TRIMATRIX LABORATORIES

5560 Corporate Exchange Court, SE
Grand Rapids, MI 49512 (616) 975-4500

EPA Region 5 Records Ctr.
350253

TRANSMITTAL FORM

Date: March 9, 2010

Attention: Jeff Lifka
To: Tetra Tech EM, Inc.
1 S. Wacker Drive, 37th Floor
Chicago, IL 60606-4651

312.201.7491

Project Name: Sultrac - Plainwell Mill

SDG: PM012510B

Work Order (s): 1002017, 1002144

WE ARE SENDING YOU:

By: ☐ US Mail ☒ FedEx ☐ Courier ☐ Other

ENCLOSED WITH THIS TRANSMITTAL: ☐ **UNDER SEPARATE COVER:** ☐

- ☐ Report(s) (Draft)
- ☒ Report(s) (Final)
- ☐ Proposal
- ☐ Contract Documents
- ☐ QAPP Information
- ☐ Other

QUANTITY	DESCRIPTION / DOCUMENT NAME
1	Hard copy of Data validation package (to TTEMI and to EPA)
1	CD of Data validation package (to TTEMI only)

THESE ARE TRANSMITTED AS CHECKED BELOW:

- ☒ Furnished As Requested
- ☐ For Review and Comment
- ☐ For Submittal To:
- ☐ For File
- ☐ As Corrected

REMARKS:

cc: Mr. Sam Chummar, USEPA Region 5
Work Assignment Manager, (SR-6J)
77 West Jackson Blvd.
Chicago, IL 60604
312-886-1434

BY: Lisa Harvey
Project Chemist

H:\SulTrac\Plainwell Mill\TRANSPM012510B.DOC

TRIMATRIX LABORATORIES

DATA VALIDATION PACKAGE

Prepared for:
SulTRAC
1 S. Wacker Drive, Suite 3700
Chicago, IL 60606

Project:
Plainwell Mill

Sample Delivery Group (SDG):
PM012510B

Date:
March 09, 2010

Prepared by:
TriMatrix Laboratories, Inc.
5560 Corporate Exchange Court SE
Grand Rapids, MI 49512-5503

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.

TRIMATRIX LABORATORIES

TABLE OF CONTENTS

SulTRAC
Plainwell Mill

Section	Description	Pages
	Cover Page	**0001**
	Table of Contents	**0002**
	SDG Case Narrative	**0003-0010**
A	**Field COC Records and Receiving Documentation**	**0011-0022**
B	**Internal COC Records**	**0023-0049**
C	**Inorganic - Metals** • USEPA-6010B • USEPA-6020A • USEPA-7470A	**0050-0762** 0051-0271 0272-0684 0685-0762
D	**Inorganic - Wet Chemistry** • USEPA-9014	**0763-0795** 0764-0795

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.

5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

SulTRAC
Plainwell Mill

SDG Executive Summary

This case narrative applies to samples received on January 28, 2010 through January 28, 2010. All samples were scheduled for analysis in accordance with parameters outlined on the field chain of custody record, the TriMatrix bid form, and/or oral and written correspondence between SulTRAC and TriMatrix Laboratories, Inc..

Each sample receipt event was assigned a unique TriMatrix work order number. Sample receipt documentation is included in section A of this data package.

Project Technical Issues/Problems

Project-related data qualification designations and reporting conventions are included in Attachment 1 - *Project Technical Narrative.*

QA/QC Data Qualifications/Narrations

Quality assurance issues and/or quality control data qualifications and narrations related to the analysis and reporting of this SDG are presented in Attachment 2 - *Statement of Data Qualifications.* The absence of a statement page for a particular analyte group (*e.g.* Percent Solids) implies that no qualifying statements were generated for that analyte.

Data Review and Approval

All data was peer-reviewed by a second analyst, and then by appropriate data management staff against laboratory quality control requirements and project specifications. It was then reviewed and approved by the group supervisor/manager prior to further review by the project chemist.

Data Deliverables

The data deliverables, both hardcopy and/or electronic (EDD), that comprise this data package are intended to comply with the documents referenced in the introductory section of this narrative. The EDD, if requested, will be issued separately from this hardcopy report. Hold time reports for each test procedure are presented following the CLP-like forms section of this report.

This report relates only to the sample(s) as received. Test results are in compliance with the requirements of the National Environmental Laboratory Accreditation Conference (NELAC). Estimates of analytical uncertainties for the test results contained within the report are available upon request.

Lisa M. Harvey, Project Chemist

03-09-2010
Date

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Sample Receipt and Login -- Work Order: 1002017

TriMatrix Laboratories received the cooler(s) for this work order on January 28, 2010, at 13:19pm. Receiving documents include field chain-of-custody (COC) record(s), sample receipt form(s), and Client Drop-Off shipping document(s). The condition of the custody seals, the type and location of the coolant, and the temperatures recorded for each cooler are presented on the TriMatrix *Sample Receiving / Log-In Checklist* provided in section A of this package. The receipt temperature of the samples was determined by using an infrared thermometer to record the temperature of three random samples of varying container types and the accompanying temperature blank, if present.

Samples were scheduled for the analyses listed on the corresponding COC form. Field IDs and assigned laboratory identifiers are presented in the table below.

Field Sample Name	Laboratory Sample ID	Matrix	Date Sampled
S-SO-56394-CB-012510-129	1002017-01	Soil	1/25/2010
S-SO-56394-CB-012510-133	1002017-02	Soil	1/25/2010
S-SO-56394-CB-012610-158	1002017-03	Soil	1/26/2010
S-SO-56394-CB-012610-160	1002017-04	Soil	1/26/2010
S-SO-56394-DR-012610-1078	1002017-05	Soil	1/26/2010
SD-SO-56394-DR-012610-1078	1002017-06	Soil	1/26/2010
S-SO-56394-CB-012710-168	1002017-07	Soil	1/27/2010
SD-SO-56394-CB-012710-168	1002017-08	Soil	1/27/2010
S-SO-56394-CB-012710-177	1002017-09	Soil	1/27/2010
S-SO-56394-CB-012710-180	1002017-10	Soil	1/27/2010
S-SO-56394-CB-012710-182	1002017-11	Soil	1/27/2010
S-SO-56394-CB-012810-189	1002017-12	Soil	1/28/2010

No administrative issues were encountered during the receipt and analysis of this work order.

The following administrative issues were encountered during the receipt and analysis of this work order:

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Sample Receipt and Login – Work Order: 1002144

TriMatrix Laboratories received the cooler(s) for this work order on January 28, 2010, at 14:05pm. Receiving documents include field chain-of-custody (COC) record(s), sample receipt form(s), and TriMatrix Courier shipping document(s). The condition of the custody seals, the type and location of the coolant, and the temperatures recorded for each cooler are presented on the TriMatrix *Sample Receiving / Log-In Checklist* provided in section A of this package. The receipt temperature of the samples was determined by using an infrared thermometer to record the temperature of three random samples of varying container types and the accompanying temperature blank, if present.

Samples were scheduled for the analyses listed on the corresponding COC form. Field IDs and assigned laboratory identifiers are presented in the table below.

Field Sample Name	Laboratory Sample ID	Matrix	Date Sampled
S-SO-56394-CB-012510-129	1002144-01	Soil	1/25/2010
S-SO-56394-CB-012510-133	1002144-02	Soil	1/25/2010
S-SO-56394-CB-012510-137	1002144-03	Soil	1/25/2010
S-SO-56394-CB-012510-144	1002144-04	Soil	1/25/2010
S-SO-56394-DR-012510-1069	1002144-05	Soil	1/25/2010
S-SO-56394-DR-012510-1059	1002144-06	Soil	1/25/2010
S-SO-56394-CB-012510-143	1002144-07	Soil	1/25/2010
S-SO-56394-DR-012510-1063	1002144-08	Soil	1/25/2010
S-SO-56394-CB-012610-153	1002144-09	Soil	1/26/2010
S-SO-56394-CB-012610-158	1002144-10	Soil	1/26/2010
S-SO-56394-CB-012610-160	1002144-11	Soil	1/26/2010
S-SO-56394-CB-012610-165	1002144-12	Soil	1/26/2010
S-SO-56394-DR-012610-1078	1002144-13	Soil	1/26/2010
SD-SO-56394-DR-012610-1078 cancel	1002144-14	Soil	1/26/2010
S-SO-56394-DR-012610-1075	1002144-15	Soil	1/26/2010
S-SO-56394-CB-012610-166	1002144-16	Soil	1/26/2010
S-SO-56394-CB-012710-168	1002144-17	Soil	1/27/2010
SD-SO-56394-CB-012710-168	1002144-18	Soil	1/27/2010
S-SO-56394-CB-012710-177	1002144-19	Soil	1/27/2010
S-SO-56394-CB-012710-180	1002144-20	Soil	1/27/2010
S-SO-56394-CB-012710-182	1002144-21	Soil	1/27/2010
S-SO-56394-CB-012710-183	1002144-22	Soil	1/27/2010
S-SO-56394-CB-012810-189	1002144-23	Soil	1/28/2010

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Field Sample Name	Laboratory Sample ID	Matrix	Date Sampled
SD-SO-56394-CB-012810-189	1002144-24	Soil	1/28/2010
S-SO-56394-CB-012810-190	1002144-25	Soil	1/28/2010

No administrative issues were encountered during the receipt and analysis of this work order.

The following administrative issues were encountered during the receipt and analysis of this work order:

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.

5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Attachment 1
Project Technical Narrative

Sample Result Reporting Convention

Sample results are reported as RL "U" (e.g. 0.001 U) if the target analyte was not detected above the MDL.

If a sample for an organic analyte is reanalyzed and also reported, the second analysis includes the suffix "RE*n*" where *n* = the first, second, etc. reanalysis.

Data Qualifier Designation

If applicable, sample results are qualified with:

- a "J" flag if the analyte was detected, but the concentration is greater than the MDL and less than the RL;
- a "B" flag if the analyte was also detected at or above the RL in the associated method blank, and the sample concentration was less than five times the method blank result;
- an "E" flag if the analyte exceeded the instrument calibration range;
- an asterisk (*) if a report-generated statement of qualification applies; qualifying statements, if any, will be found in Attachment 2 to this narrative.

QC Batch and Analytical Batch Designation

A Quality Control (QC) Batch is a seven-digit number that associates all samples that have been prepared together (or analyzed together if there is no preparation). Quality Control batches are limited to no more than twenty samples, excluding batch QC (method blanks, control spikes, etc.). Some batches may contain multiple sets of method blanks (BLK) and laboratory control samples (BS), where a set of method quality control analyses were prepared in concert with each set of samples on a given day.

An Analytical Batch (or Sequence) is a seven-digit number that associates all samples analyzed as a set under one analytical run.

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

SPLP Metals by EPA 1312/6000/7000 Series Methods

Qualification: The LCS and/or LCSD recovery exceeded the upper control limit. A positive result for this analyte in any sample from the associated QC batch is considered estimated. Non-detectable results are not qualified.

Analysis: USEPA-7470A

Sample/Analyte:		
	1002144-06 S-SO-56394-DR-012510-1059	Mercury
	1002144-08 S-SO-56394-DR-012510-1063	Mercury
	1002144-09 S-SO-56394-CB-012610-153	Mercury
	1002144-11 S-SO-56394-CB-012610-160	Mercury
	1002144-12 S-SO-56394-CB-012610-165	Mercury
	1002144-13 S-SO-56394-DR-012610-1078	Mercury

Qualification: The analyte concentration in the associated MB was greater than the MDL but less than the RL. The positive sample result, which was less than 5 times the MB value, is considered estimated.

Analysis: USEPA-6020A

Sample/Analyte:		
	1002144-01 S-SO-56394-CB-012510-129	Chromium
	1002144-01 S-SO-56394-CB-012510-129	Zinc
	1002144-02 S-SO-56394-CB-012510-133	Chromium
	1002144-02 S-SO-56394-CB-012510-133	Zinc
	1002144-03 S-SO-56394-CB-012510-137	Chromium
	1002144-03 S-SO-56394-CB-012510-137	Zinc
	1002144-04 S-SO-56394-CB-012510-144	Chromium
	1002144-04 S-SO-56394-CB-012510-144	Zinc
	1002144-05 S-SO-56394-DR-012510-1069	Chromium
	1002144-05 S-SO-56394-DR-012510-1069	Zinc
	1002144-06 S-SO-56394-DR-012510-1059	Chromium
	1002144-06 S-SO-56394-DR-012510-1059	Zinc
	1002144-07 S-SO-56394-CB-012510-143	Chromium
	1002144-07 S-SO-56394-CB-012510-143	Zinc
	1002144-08 S-SO-56394-DR-012510-1063	Chromium
	1002144-08 S-SO-56394-DR-012510-1063	Zinc
	1002144-09 S-SO-56394-CB-012610-153	Chromium
	1002144-09 S-SO-56394-CB-012610-153	Zinc
	1002144-10 S-SO-56394-CB-012610-158	Zinc
	1002144-11 S-SO-56394-CB-012610-160	Chromium
	1002144-11 S-SO-56394-CB-012610-160	Zinc

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

SPLP Metals by EPA 1312/6000/7000 Series Methods

Sample/Analyte:	1002144-12 S-SO-56394-CB-012610-165	Chromium
	1002144-12 S-SO-56394-CB-012610-165	Zinc
	1002144-13 S-SO-56394-DR-012610-1078	Chromium
	1002144-13 S-SO-56394-DR-012610-1078	Zinc
	1002144-15 S-SO-56394-DR-012610-1075	Chromium
	1002144-15 S-SO-56394-DR-012610-1075	Zinc
	1002144-16 S-SO-56394-CB-012610-166	Chromium
	1002144-16 S-SO-56394-CB-012610-166	Zinc
	1002144-17 S-SO-56394-CB-012710-168	Chromium
	1002144-17 S-SO-56394-CB-012710-168	Zinc
	1002144-18 SD-SO-56394-CB-012710-168	Chromium
	1002144-18 SD-SO-56394-CB-012710-168	Zinc
	1002144-19 S-SO-56394-CB-012710-177	Zinc
	1002144-20 S-SO-56394-CB-012710-180	Chromium
	1002144-20 S-SO-56394-CB-012710-180	Zinc
	1002144-21 S-SO-56394-CB-012710-182	Zinc
	1002144-22 S-SO-56394-CB-012710-183	Chromium
	1002144-22 S-SO-56394-CB-012710-183	Zinc
	1002144-23 S-SO-56394-CB-012810-189	Zinc
	1002144-24 SD-SO-56394-CB-012810-189	Zinc
	1002144-25 S-SO-56394-CB-012810-190	Chromium
	1002144-25 S-SO-56394-CB-012810-190	Zinc

Qualification: The analyte concentration in the associated MB was greater than the MDL but less than the RL. The positive sample result, which was greater than 5 times the MB value, is not considered estimated.

Analysis: USEPA-6010B

Sample/Analyte:	1002144-05 S-SO-56394-DR-012510-1069	Iron
	1002144-21 S-SO-56394-CB-012710-182	Iron
	1002144-22 S-SO-56394-CB-012710-183	Iron
	1002144-23 S-SO-56394-CB-012810-189	Iron
	1002144-24 SD-SO-56394-CB-012810-189	Iron
	1002144-25 S-SO-56394-CB-012810-190	Iron

Analysis: USEPA-6020A

Sample/Analyte:	1002144-10 S-SO-56394-CB-012610-158	Chromium

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

SPLP Metals by EPA 1312/6000/7000 Series Methods

Sample/Analyte:	1002144-19 S-SO-56394-CB-012710-177	Chromium
	1002144-21 S-SO-56394-CB-012710-182	Chromium

Qualification: The % difference between the values of the isotopes monitored for this analyte exceeded 25%; the lower of the two results has been reported.

Analysis: USEPA-6020A

Sample/Analyte:	1002144-03 S-SO-56394-CB-012510-137	Chromium

Qualification: This analyte was not present in this sample at a concentration greater than 50 times the MDL, therefore serial dilution is not required.

Analysis: USEPA-6010B

Sample/Analyte:	1002144-20 S-SO-56394-CB-012710-180	Aluminum
	1002144-20 S-SO-56394-CB-012710-180	Barium
	1002144-21 S-SO-56394-CB-012710-182	Iron

Qualification: The MS and/or MSD recovery was outside the control limit. The non-spiked sample result is considered estimated.

Analysis: USEPA-6020A

Sample/Analyte:	1002144-19 S-SO-56394-CB-012710-177	Copper
	1002144-19 S-SO-56394-CB-012710-177	Zinc

Qualification: The RPD between the MS and MSD results exceeded the control limit. The non-spiked sample result is considered estimated.

Analysis: USEPA-6020A

Sample/Analyte:	1002144-19 S-SO-56394-CB-012710-177	Copper
	1002144-19 S-SO-56394-CB-012710-177	Zinc

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

TRIMATRIX
LABORATORIES

SECTION - A

FIELD COC RECORDS AND RECEIVING DOCUMENTATION

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.

TriMatrix Laboratories, Inc.

5560 Corporate Exchange Court SE Grand Rapids, MI 49512
Phone (616) 975-4500 Fax (616) 942-7463
www.trimatrixlabs.com

Chain of Custody Record

COC No. 062841

2/2/10 Relog SPLP(N

PM 01 25 10 B

For Lab Use Only
Cart 2
VOA Rack/Tray
Receipt Log No. 43-3 3179
Project Chemist: Lisa Harvey
Work Order No. 1002017 1001350

Client Name: SulTRAC
Address: 1 S. Wacker Drive, Suite 3700, Chicago, IL 60606
SulTRAC EP-S5-06-02 WA006
Phone: 312-201-7491
Fax: 312-938-0118

Project Name: Plainwell Mill
Client Project No. / P.O. No.
Invoice To: (●) Client ( ) Other (comments)
Contact/Report To: Jeff Lifka - TTEMI

Analyses Requested

Schedule	Matrix Code	Laboratory Sample Number	Sample ID	Cooler ID	Sample Date	Sample Time	Comp / Grab	Matrix	A Total Metals* (soil)	A Total CN, %S (soil)	A SPLP-Metals* (soil)	A SPLP-Cyanide (Soil)		E Total CN (wtr)	B Total Metals* (wtr)	A LL Hg (wtr)			Total	Sample Comments
									17	17	17	17		5	6	2				
									Number of Containers Submitted											
A E	SO WP	01 01	1 S-50-56394-CB-012510-129	TR 1605	1-25-10	0955	Comp	S	X	X		X							1	
E		02 02	2 S-50-56394-CB-012510-133		1-25-10	1125	Comp	S	X	X		X							1	
		03	3 S-50-56394-CB-012910-137		1-25-10	1255	Comp	S	X	X									1	
		04	4 S-50-56394-CB-012510-144		1-25-10	1550	Comp	S	X	X									1	
		05	5 S-50-56394-DR-012510-1069		1-25-10	1440	Comp	S	X	X									1	
		06	6 S-50-56394-DR-012510-1059		1-25-10	0925	Comp	S	X	X									1	
		07	7 S-50-56394-CB-012510-143		1-25-10	1305	Comp	S	X	X									1	
		08	8 S-50-56394-DR-012510-1063		1-25-10	1125	Comp	S	X	X									1	
		09	9 S-50-56394-CB-012610-153		1-26-10	1020	Comp	S	X	X									1	
E		03 10	10 S-50-56394-CB-012610-158		1-26-10	1250	Comp	S	X	X		X							1	

PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Sampled By (print): Kristi Root
Sampler's Signature
Company
How Shipped? Hand Delivered
Tracking No.

Comments: Jeff gets summary report in 10 business days; DVP/CD in 20 business days. Jeff gets the invoice. EPA Region 5 EDD and EPA-SEDD for this project. *Metals: Al,Sb,As,Ba,Be,Cd,Cr,Co,Cu,Fe,Pb,Mg,Mn,Hg (soil/SPLP only), Ni,Se,Na,Tl,V,Zn.

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
[signature]	1-26-10	1743						
1. Received By	**Date**	**Time**	**2. Received By**	**Date**	**Time**	**3. Received For Lab By**	**Date**	**Time**
						[signature]	1-26-10	17:43

2009

TriMatrix Laboratories, Inc.

5560 Corporate Exchange Court SE Grand Rapids, MI 49512
Phone (616) 975-4500 Fax (616) 942-7463
www.trimatrixlabs.com

Chain of Custody Record

COC No. 06285

2/2/10 Relog SPLP CN
PM0125 10B

For Lab Use Only
Cart 2
VOA Rack/Tray —
Receipt Log No. 43-3 3-19
Project Chemist Lisa Harvey
Work Order No. 1002017 1001350

Client Name: SulTRAC
Address: 1 S. Wacker Drive, Suite 3700, Chicago, IL 60606
SulTRAC EP-S5-06-02 WA006
Phone 312-201-7491
Fax 312-938-0118

Project Name: Plainwell Mill
Client Project No. / P.O. No.
Invoice To: (●) Client ( ) Other (comments)
Contact/Report To: Jeff Lifka - TTEMI

Analyses Requested

Schedule	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	Comp / Grab	Matrix	A Total Metals* (soil)	A Total CN, %S (soil)	A SPLP-Metals* (soil)	A SPLP-Cyanide (Soil)		E Total CN (wtr)	B Total Metals* (wtr)	A LLHg (wtr)			Total	Sample Comments
				Container Type (corresponds to Container Packing List)						17	17	17	17		5	6	2				
				Number of Containers Submitted																	
A E	SO WP	030 ~~HT~~	1	S-SO-56394-CB-012610-1600	TM 1605	1-26-10	1345	Comp	S	x	x		X							1	
		~~12~~	2	S-SO-56394-CB-012610-165		1-2610	1520	Comp	S	x	x									1	
E		05 ~~13~~	3	S-SO-56394-DR-012610-1078		1-26-10	1135	Comp	S	x	x		X							1	
E	FD	060 ~~14~~	4	SD-SO-56394-DR-012610-1078		1-2610	1135	Comp	S	x	x		X							1	
		~~15~~	5	S-SO-56394-DR-012610-1075		1-2610	0925	Comp	S	x	x									1	
		~~16~~	6	S-SO-56394-CB-012610-166	V	1-2610	1610	Comp	S	x	x									1	
			7																		
			8																		
			9																		
			10																		

PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Sampled By (print): Kristi Root + TIC
Sampler's Signature
Company

How Shipped? Hand delivered
Tracking No.

Comments: Jeff gets summary report in 10 business days; DVP/CD in 20 business days. Jeff gets the invoice. EPA Region 5 EDD and EPA-SEDD for this project. *Metals: Al,Sb,As,Ba,Be,Cd,Cr,Co,Cu,Fe,Pb,Mg,Mn,Hg (soil/SPLP only), Ni,Se,Na,Tl,V,Zn.

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
[signature]	1-26-10	1743						

1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
						[signature] D. DARDIN	1-26-10	17[illegible]

0005743

TriMatrix Laboratories, Inc.

5560 Corporate Exchange Court SE Grand Rapids, MI 49512
Phone (616) 975-4500 Fax (616) 942-7463
www.trimatrixlabs.com

Chain of Custody Record

COC No. 06297

2/2/10 Relog SPLP(CN
PM0125 DB

For Lab Use Only
Cart: 5
VOA Rack/Tray:
Receipt Log No.: 43-3 ~~35-6~~
Project Chemist: Lisa Harvey
Work Order No.: 1002017 E 1001358

Client Name: SulTRAC
Address: 1 S. Wacker Drive, Suite 3700, Chicago, IL 60606
SulTRAC EP-S5-06-02 WA006
Phone: 312-201-7491
Fax: 312-938-0118

Project Name: Plainwell Mill
Client Project No. / P.O. No.:
Invoice To: (●) Client ( ) Other (comments)
Contact/Report To: Jeff Lifka - TTEMI

Analyses Requested

	A	A	A	A		E	B	A			
	Total Metals* (soil)	Total CN, %S (soil)	SPLP-Metals* (soil)	SPLP-Cyanide (Soil)		Total CN (wtr)	Total Metals* (wtr)	LLHg (wtr)			
Container Type (corresponds to Container Packing List)	17	17	17	17		5	6	2			
Number of Containers Submitted											

⇦ PRESERVATIVES
A NONE pH-7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Schedule	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	Comp / Grab	Matrix										Total	Sample Comments
A E	SO WP	07-01	1	S-50-56394-CB-012710-168		1-27-10	0900	Comp	S	X	X		X						1	
E	FD	08-02	2	SD-50-56394-CB-012710-168		1-27-10	0900	Comp	S	X	X		X						1	
E		09-03	3	S-50-56394-CB-012710-177		1-27-10	1135	Comp	S	X	X		X						1	
E		10-04	4	S-50-56394-CB-012710-180		1-27-10	1350	Comp	S	X	X		X						1	
E		11-05	5	S-50-56394-CB-012710-182		1-27-10	1450	Comp	S	X	X		X						1	
B		06	6	S-50-56394-CB-012710-183		1-27-10	1520	Comp	S	X	X								3	MS/MSD
A E		12-07	7	S-50-56394-CB-012810-189		1-28-10	0915	Comp	S	X	X		X						1	
	FD	08	8	SD-50-56394-CB-012810-189		1-28-10	0915	Comp	S	X	X								1	
		09	9	S-50-56394-CB-012810-190		1-28-10	1005	Comp	S	X	X								1	
			10																	

Sampled By (print): Kristi Root
Sampler's Signature:
Company:

How Shipped? Hand delivered
Tracking No.:

1. Relinquished By: [signature] Date: 1-28-10 Time: 1405
1. Received By: Date: Time:

2. Relinquished By: Date: Time:
2. Received By: Date: Time:

3. Relinquished By: Date: Time:
3. Received For Lab By: [signature] Date: 1-28-10 Time: 1405

Comments: Jeff gets summary report in 10 business days; DVP/CD in 20 business days. Jeff gets the invoice. EPA Region 5 EDD and EPA-SEDD for this project. *Metals: Al,Sb,As,Ba,Be,Cd,Cr,Co,Cu,Fe,Pb,Mg,Mn,Hg (soil/SPLP only), Ni,Se,Na,Tl,V,Zn.

0094

TriMatrix Laboratories, Inc.

5560 Corporate Exchange Court SE Grand Rapids, MI 49512
Phone (616) 975-4500 Fax (616) 942-7463
www.trimatrixlabs.com

Chain of Custody Record

COC No. 06284

* log in various SPLP metals 2-10-10
Log in all metals PM012510B

For Lab Use Only
Cart: 2
VOA Rack/Tray: S-15
Receipt Log No.: 37-19
Project Chemist: Lisa Harvey
Work Order No.: 1002144 / 1001350

Client Name: SulTRAC 2-22-10/JAF L.
Address: 1 S. Wacker Drive, Suite 3700, Chicago, IL 60606
SulTRAC EP-S5-06-02 WA006
Phone: 312-201-7491
Fax: 312-938-0118

Project Name: Plainwell Mill
Client Project No. / P.O. No.:
Invoice To: (●) Client ( ) Other (comments)
Contact/Report To: Jeff Lifka - TTEMI

Analyses Requested

	A	A	A	A		E	B	A			
	Total Metals* (soil)	Total CN, %S (soil)	SPLP-Metals* (soil) ★	SPLP-Cyanide (Soil)		Total CN (wtr)	Total Metals* (wtr)	LLHg (wtr)			
Container Type (corresponds to Container Packing List)	17	17	17	17		5	6	2			
Number of Containers Submitted											

⇦ PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Schedule	Matrix Code	Laboratory Sample Number	Sample ID	Cooler ID	Sample Date	Sample Time	Comp / Grab	Matrix	Total	Sample Comments
A (K)	SO WP	01	1 S-SO-56394-CB-012510-129	TMI 1605	1-25-10	0955	Comp	S	1	
		02	2 S-SO-56394-CB-012510-133		1-25-10	1125	Comp	S	1	
		03	3 S-SO-56394-CB-012510-137		1-25-10	1255	Comp	S	1	
		04	4 S-SO-56394-CB-012510-144		1-25-10	1550	Comp	S	1	
		05	5 S-SO-56394-DR-012510-1069		1-25-10	1440	Comp	S	1	
		06	6 S-SO-56394-DR-012510-1059		1-25-10	0925	Comp	S	1	
		07	7 S-SO-56394-CB-012510-143		1-25-10	1305	Comp	S	1	
		08	8 S-SO-56394-DR-012510-1063		1-25-10	1125	Comp	S	1	
		09	9 S-SO-56394-CB-012610-153		1-26-10	1020	Comp	S	1	
		10	10 S-SO-56394-CB-012610-158		1-26-10	1250	Comp	S	1	

Sampled By (print): Kristi Root
Sampler's Signature:
Company:

How Shipped? Hand Delivered
Tracking No.:

Comments: Jeff gets summary report in 10 business days; DVP/CD in 20 business days. Jeff gets the invoice. EPA Region 5 EDD and EPA-SEDD for this project. *Metals: Al,Sb,As,Ba,Be,Cd,Cr,Co,Cu,Fe,Pb,Mg,Mn,Hg (soil/SPLP only), Ni,Se,Na,Tl,V,Zn.
NO Na/Mg SPLP

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
[signature]	1-26-10	1743						
1. Received By	**Date**	**Time**	**2. Received By**	**Date**	**Time**	**3. Received For Lab By**	**Date**	**Time**
						[signature]	1-26-10	17:43

00015

TriMatrix Laboratories, Inc.

5560 Corporate Exchange Court SE Grand Rapids, MI 49512
Phone (616) 975-4500 Fax (616) 942-7463
www.trimatrixlabs.com

Chain of Custody Record

COC No. 06285

* Log in various SPLP metals 2-10-10

log in all metals PM0125 10 B

For Lab Use Only

Cart: 2
VOA Rack/Tray: - (S-15)
Receipt Log No.: 3179
Project Chemist: Lisa Harvey
Work Order No.: 1002144 / 1001350

Client Name: SulTRAC 2-22-10 JCAP L.
Address: 1 S. Wacker Drive, Suite 3700, Chicago, IL 60606
SulTRAC EP-S5-06-02 WA006
Phone: 312-201-7491
Fax: 312-938-0118

Project Name: Plainwell Mill
Client Project No. / P.O. No.:
Invoice To: (●) Client ( ) Other (comments)
Contact/Report To: Jeff Lifka - TTEMI

Analyses Requested

	A	A	A	A		E	B	A			
	Total Metals* (soil)	Total CN, %S (soil)	SPLP-Metals* (soil) *	SPLP-Cyanide (Soil)		Total CN (wtr)	Total Metals* (wtr)	LLHg (wtr)			
Container Type (corresponds to Container Packing List)	17	17	17	17		5	6	2			

⇦ PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Schedule	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	Comp / Grab	Matrix	Number of Containers Submitted										Total	Sample Comments
(K)	SO WP	11	1	S-SO-56394-CB-012610-1160	TM 1605	1-26-10	1345	Comp	S	x	x									1	
		12	2	S-SO-56394-CB-012610-1165		1-2610	1520	Comp	S	x	x									1	
		13	3	S-SO-56394-DR-012610-1078		1-26-10	1135	Comp	S	x	x									1	
	FD	Corel x3 2.11.10	4	SD-SO-56394-DR-012610-1078		1-2610	1135	Comp	S	x	x									1	
		15	5	S-SO-56394-DR-012610-1075		1-2610	0925	Comp	S	x	x									1	
		16	6	S-SO-56394-CB-012610-1166	↓	1-2610	1610	Comp	S	x	x									1	
			7																		
			8																		
			9																		
			10																		

Sampled By (print): Kristi Root @ TIC
Sampler's Signature:
Company:

How Shipped? Hand delivered
Tracking No.:

1. Relinquished By: [signature] Date: 1-26-10 Time: 1743
1. Received By: Date: Time:

Comments: Jeff gets summary report in 10 business days; DVP/CD in 20 business days. Jeff gets the invoice. EPA Region 5 EDD and EPA-SEDD for this project. *Metals: Al,Sb,As,Ba,Be,Cd,Cr,Co,Cu,Fe,Pb,Mg,Mn,Hg (soil/SPLP only), Ni,Se,Na,Tl,V,Zn.

* Combine sample 1078 + 1078 Dup together for SPLP metals (No Na/Mg SPLP)

2. Relinquished By: There is not enough VOA to run separately Date: Time:
2. Received By: Date: Time:

3. Relinquished By: Date: Time:
3. Received For Lab By: [signature] Date: 1-26-10 Time: 17:45

Corel 1078 Dup (1002144-14) -tmh 2/11/10

9006..

TriMatrix Laboratories, Inc.

5560 Corporate Exchange Court SE Grand Rapids, MI 49512
Phone (616) 975-4500 Fax (616) 942-7463
www.trimatrixlabs.com

Chain of Custody Record

COC No. 06297

* log in various SPLP metals 2-10-10
log in all metals PM0125 ID B

For Lab Use Only

Cart	5
VOA Rack/Tray	5-15
Receipt Log No.	~~358~~
Project Chemist	Lisa Harvey
Work Order No.	1002144 E-1001382

Client Name	SulTRAC 2-22-10/Jeff
Address	1 S. Wacker Drive, Suite 3700 Chicago, IL 60606 SulTRAC EP-S5-06-02 WA006
Phone	312-201-7491
Fax	312-938-0118
Project Name	Plainwell Mill
Client Project No. / P.O. No.	
Invoice To	◉ Client ○ Other (comments)
Contact/Report To	Jeff Lifka - TTEMI

Analyses Requested

Schedule	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	Comp / Grab	Matrix	A Total Metals* (soil)	A Total CN, %S (soil)	A SPLP-Metals* (soil)	A SPLP-Cyanide (Soil)		E Total CN (wtr)	B Total Metals* (wtr)	A LLHg (wtr)			Total	Sample Comments
										Container Type (corresponds to Container Packing List)											
										17	17	17	17		5	6	2				
										Number of Containers Submitted											
AK	SO ~~WP~~	17-~~01~~	1	S-SO-56394-CB-012710-168		1-27-10	0900	Comp	S	X	X									1	
K	FD	18-~~02~~	2	SD-SO-56394-CB-012710-168		1-27-10	0900	Comp	S	X	X									1	
L		19-~~03~~	3	S-SO-56394-CB-012710-177		1-27-10	1135	Comp	S	X	X									1	6020+Hg MS/MSD
L		20-~~04~~	4	S-SO-56394-CB-012710-180		1-27-10	1350	Comp	S	X	X									1	6020+Hg MS/MSD
L		21-~~05~~	5	S-SO-56394-CB-012710-~~182~~ 182		1-27-10	1450	Comp	S	X	X									1	6010 MS/MSD
BK		22-~~06~~	6	S-SO-56394-CB-012710-183		1-27-10	1520	Comp	S	X	X									3	MS/MSD
AK		23-~~07~~	7	S-SO-56394-CB-012810-189		1-28-10	0915	Comp	S	X	X									1	
K	FD	24-~~08~~	8	SD-SO-56394-CB-012810-189		1-28-10	0915	Comp	S	X	X									1	
K		25-~~09~~	9	S-SO-56394-CB-012810-190		1-28-10	1005	Comp	S	X	X									1	
			10																		

⇦ PRESERVATIVES
- A NONE pH~7
- B HNO_3 pH<2
- C H_2SO_4 pH<2
- D 1+1 HCl pH<2
- E NaOH pH>12
- F ZnAc/NaOH pH>9
- G MeOH
- H Other (note below)

Sampled By (print)	Kristi Root
Sampler's Signature	[signature]
Company	
How Shipped?	Hand delivered
Tracking No.	

Comments: Jeff gets summary report in 10 business days; DVP/CD in 20 business days. Jeff gets the invoice. EPA Region 5 EDD and EPA-SEDD for this project. *Metals: Al,Sb,As,Ba,Be,Cd,Cr,Co,Cu,Fe,Pb,Mg,Mn,Hg (soil/SPLP only), Ni,Se,Na,Tl,V,Zn.
NO Na/Mg SPLP

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
[signature]	1-28-10	1405						

1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
						[signature]	1-28-10	1405

00017

2/2/10 Relog SPLP CN 1002017

TriMatrix Laboratories, Inc.

SAMPLE RECEIVING / LOG-IN CHECKLIST

Client: SULTRAC | Project-Submittal No. New / Add To: 1001350
Receipt Record Page/Line No.: 3-19 43-3 | Project Chemist: MA | Sample Nos.: ~~01-10~~ 01-12

Coolers Received

Recorded by (initials/date): DN 1-26-10

☒ Cooler ☐ Box ☐ Other _____ | Qty Received: 1

☒ IR Gun (#202) | Thermometer Used ☐ Digital Thermometer (#54) ☐ Other (#_____) | ☐ See Additional Cooler Information Form

Cooler No.	Time
TM605	7:53

Custody Seals: ☐ None ☒ Present / Intact ☐ Present / Not Intact

Coolant Location: Dispersed / Top / Middle / Bottom

Coolant/Temperature Taken Via: ☒ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers

Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container

	Recorded °C	Correction Factor °C	Actual °C
Temp Blank:			
TB location: Representative / Not Representative			
1	5.2	0	5.2
2	4.7	0	4.7
3	5.3	0	5.3
Average °C			5.1

☒ Cooler ID on COC? ☐ VOC Trip Blank received?

Cooler No.	Time

Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact

Coolant Location: Dispersed / Top / Middle / Bottom

Coolant/Temperature Taken Via: ☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☒ None / Avg 2-3 containers

Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container

	Recorded °C	Correction Factor °C	Actual °C
Temp Blank:			
TB location: Representative / Not Representative			
1			
2			
3			
Average °C			

☐ Cooler ID on COC? ☐ VOC Trip Blank received?

Cooler No.	Time

Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact

Coolant Location: Dispersed / Top / Middle / Bottom

Coolant/Temperature Taken Via: ☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☒ None / Avg 2-3 containers

Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container

	Recorded °C	Correction Factor °C	Actual °C
Temp Blank:			
TB location: Representative / Not Representative			
1			
2			
3			
Average °C			

☐ Cooler ID on COC? ☐ VOC Trip Blank received?

Cooler No.	Time

Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact

Coolant Location: Dispersed / Top / Middle / Bottom

Coolant/Temperature Taken Via: ☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☒ None / Avg 2-3 containers

Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container

	Recorded °C	Correction Factor °C	Actual °C
Temp Blank:			
TB location: Representative / Not Representative			
1			
2			
3			
Average °C			

☐ Cooler ID on COC? ☐ VOC Trip Blank received?

If any shaded areas checked, complete Sample Receiving Non-Conformance Form

Paperwork Received

☐ No COC Received

N/A	Yes	No	
	☒	☐	Chain of Custody record(s)?
	☐		If No, COC Initiated By _____
	☒		Rec'd for Lab Signed/Date/Time?
☒	☐		Shipping document?
☒	☐		Other _____

COC ID Nos.: 06284, 06285

☒ TriMatrix

☐ Other (Name or ID#)_____

Check COC for Accuracy

☐ No analysis requested

Yes	No	
☒	☐	Sample ID matches COC?
☒	☐	Sample Date and Time matches COC?
☒		Container type completed on COC?
☒	☐	All container types indicated are received?

Sample Condition Summary

☐ Non-TriMatrix containers, see Notes

N/A	Yes	No	
	☐	☒	Broken containers/lids?
	☐	☒	Missing or incomplete labels?
	☐	☒	Illegible information on labels?
	☐	☒	Low volume received?
	☐	☒	Inappropriate containers received?
☒	☐	☐	VOC vials / TOX containers have headspace?
☒	☐	☐	Extra sample locations / containers not listed on COC?

Check Sample Preservation

N/A	Yes	No	
	☒	☐	Average sample temperature ≤6° C?
☒	☐		Completed Sample Preservation Verification Form?
☒	☐	☐	Samples preserved correctly?
☒	☐		If "No", added orange tag?
☒	☐		Received pre-preserved VOC soils?

☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

☐ Bacteriological
☐ Air Bags
☐ EnCores / Methanol Pre-Preserved
☐ Formaldehyde/Aldehyde
☐ Green-tagged containers
☐ Yellow/White-tagged 1L ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)
☐ NONE RECEIVED
☒ RECEIVED, COCs TO LAB(S)

Notes

☐ Trip Blank received ☐ Trip Blank not listed on COC
☐ No COC received, Proj. Chemist reviewed (Init/Date) _____
☐ No analysis requested, Proj. Chemist completed (Init/Date) _____

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
DN 1-26-10	DN 1-26-10	Yes / No

2/2/10 Rels SPLP CN 1002017

TriMatrix Laboratories, Inc.

SAMPLE RECEIVING / LOG-IN CHECKLIST

Client: Sultrac | Project-Submittal No.: E-100382
Receipt Record Page/Line No.: ~~358~~ 43-3 | New / Add To | Project Chemist: DMH | Sample Nos.: 01-09 01-12

Coolers Received

Recorded by (initials/date): WC 1.28.10

☑ Cooler ☐ Box ☐ Other ____ | Qty Received: 1

Thermometer Used: ☑ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (#____) | ☐ See Additional Cooler Information Form

Cooler No.	Time	Custody Seals	Coolant Location	Coolant/Temperature Taken Via	Alternate Temperature Taken Via
Trn 1883	1416	☑ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☑ None / Avg 2-3 containers	☑ Temperature Blank (TB) ☐ 1 Container
Cooler No.	Time	Custody Seals	Coolant Location	Coolant/Temperature Taken Via	Alternate Temperature Taken Via
		☐ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☑ None / Avg 2-3 containers	☐ Temperature Blank (TB) ☐ 1 Container
Cooler No.	Time	Custody Seals	Coolant Location	Coolant/Temperature Taken Via	Alternate Temperature Taken Via
		☐ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☑ None / Avg 2-3 containers	☐ Temperature Blank (TB) ☐ 1 Container
Cooler No.	Time	Custody Seals	Coolant Location	Coolant/Temperature Taken Via	Alternate Temperature Taken Via
		☐ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☑ None / Avg 2-3 containers	☐ Temperature Blank (TB) ☐ 1 Container

Recorded °C	Correction Factor °C	Actual °C
Temp Blank:	-	3.0
TB location: Representative / Not Representative		
1 3.6	-	3.6
2 3.3	-	3.3
3 3.8	-	3.8
Average °C		3.6
☐ Cooler ID on COC?		
☐ VOC Trip Blank received?		

Recorded °C	Correction Factor °C	Actual °C
Temp Blank:		
TB location: Representative / Not Representative		
1		
2		
3		
Average °C		
☐ Cooler ID on COC?		
☐ VOC Trip Blank received?		

Recorded °C	Correction Factor °C	Actual °C
Temp Blank:		
TB location: Representative / Not Representative		
1		
2		
3		
Average °C		
☐ Cooler ID on COC?		
☐ VOC Trip Blank received?		

Recorded °C	Correction Factor °C	Actual °C
Temp Blank:		
TB location: Representative / Not Representative		
1		
2		
3		
Average °C		
☐ Cooler ID on COC?		
☐ VOC Trip Blank received?		

If any shaded areas checked, complete Sample Receiving Non-Conformance Form.

Paperwork Received

☐ No COC Received

N/A	Yes	No	
	☑	☐	Chain of Custody record(s)?
	☐		If No, COC Initiated By ____
	☑		Rec'd for Lab Signed/Date/Time?
☐	☑		Shipping document?
☑	☐		Other ____

COC ID Nos.

☑ TriMatrix 010297

☐ Other (Name or ID#)____

Check COC for Accuracy

☐ No analysis requested

Yes	No	
☑	☐	Sample ID matches COC?
☑	☐	Sample Date and Time matches COC?
☑		Container type completed on COC?
☑	☐	All container types indicated are received?

Sample Condition Summary

☐ Non-TriMatrix containers, see Notes

N/A	Yes	No	
	☐	☑	Broken containers/lids?
	☐	☑	Missing or incomplete labels?
	☐	☑	Illegible information on labels?
	☐	☑	Low volume received?
	☐	☑	Inappropriate containers received?
☑	☐	☐	VOC vials / TOX containers have headspace?
☐	☐	☑	Extra sample locations / containers not listed on COC?

Check Sample Preservation

N/A	Yes	No	
	☑	☐	Average sample temperature ≤6° C?
☑	☐		Completed Sample Preservation Verification Form?
☑	☐		Samples preserved correctly?
☑	☐		If "No", added orange tag?
☑	☐		Received pre-preserved VOC soils?

☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

☐ Bacteriological
☐ Air Bags
☐ EnCores / Methanol Pre-Preserved
☐ Formaldehyde/Aldehyde
☐ Green-tagged containers
☐ Yellow/White-tagged 1L ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)
☐ NONE RECEIVED
☑ RECEIVED, COCs TO LAB(S)

Notes

☐ Trip Blank received ☐ Trip Blank not listed on COC
☐ No COC received, Proj. Chemist reviewed (Init/Date) ____
☐ No analysis requested, Proj. Chemist completed (Init/Date) ____

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
1.28.10 1405	1.28.10 1420	Yes / No

1002144

TriMatrix Laboratories, Inc.

SAMPLE RECEIVING / LOG-IN CHECKLIST

Client: SUHRAC | Project-Submittal No. New / Add To: ~~1001350~~
Receipt Record Page/Line No.: 3 19 5-15 | Project Chemist: TMA | Sample Nos.: 01-116

Coolers Received

Recorded by (initials/date): DN 1-26-10

☑ Cooler ☐ Box ☐ Other _____ | Qty Received: 1

☑ IR Gun (#202) | Thermometer Used ☐ Digital Thermometer (#54) ☐ Other (#_____) | ☐ See Additional Cooler Information Form

Cooler No.	Time
TM 605	17:53

Custody Seals: ☐ None ☑ Present / Intact ☐ Present / Not Intact

Coolant Location: Dispersed / Top / Middle / Bottom

Coolant/Temperature Taken Via: ☑ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers

Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container

	Recorded °C	Correction Factor °C	Actual °C
Temp Blank:			
TB location: Representative / Not Representative			
1	5.2	0	5.2
2	4.7	0	4.7
3	5.3	0	5.3
Average °C			5.1

☑ Cooler ID on COC? ☐ VOC Trip Blank received?

Cooler No.	Time

Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact

Coolant Location: Dispersed / Top / Middle / Bottom

Coolant/Temperature Taken Via: ☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers

Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container

	Recorded °C	Correction Factor °C	Actual °C
Temp Blank:			
TB location: Representative / Not Representative			
1			
2			
3			
Average °C			

☐ Cooler ID on COC? ☐ VOC Trip Blank received?

Cooler No.	Time

Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact

Coolant Location: Dispersed / Top / Middle / Bottom

Coolant/Temperature Taken Via: ☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers

Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container

	Recorded °C	Correction Factor °C	Actual °C
Temp Blank:			
TB location: Representative / Not Representative			
1			
2			
3			
Average °C			

☐ Cooler ID on COC? ☐ VOC Trip Blank received?

Cooler No.	Time

Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact

Coolant Location: Dispersed / Top / Middle / Bottom

Coolant/Temperature Taken Via: ☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers

Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container

	Recorded °C	Correction Factor °C	Actual °C
Temp Blank:			
TB location: Representative / Not Representative			
1			
2			
3			
Average °C			

☐ Cooler ID on COC? ☐ VOC Trip Blank received?

If any shaded areas checked, complete Sample Receiving Non-Conformance Form

Paperwork Received

☐ No COC Received

N/A	Yes	No	
	☑	☐	Chain of Custody record(s)?
	☐		If No, COC Initiated By _____
	☑		Rec'd for Lab Signed/Date/Time?
☑	☐		Shipping document?
☑	☐		Other _____

COC ID Nos. 06284, 06285

☑ TriMatrix

☐ Other (Name or ID#)_____

Check COC for Accuracy

☐ No analysis requested

Yes	No	
☑	☐	Sample ID matches COC?
☑	☐	Sample Date and Time matches COC?
☑		Container type completed on COC?
☑	☐	All container types indicated are received?

Sample Condition Summary

☐ Non-TriMatrix containers, see Notes

N/A	Yes	No	
	☐	☑	Broken containers/lids?
	☐	☑	Missing or incomplete labels?
	☐	☑	Illegible information on labels?
	☐	☑	Low volume received?
	☐	☑	Inappropriate containers received?
☑	☐	☐	VOC vials / TOX containers have headspace?
☑	☐	☐	Extra sample locations / containers not listed on COC?

Check Sample Preservation

N/A	Yes	No	
	☑	☐	Average sample temperature ≤6° C?
☑	☐		Completed Sample Preservation Verification Form?
☑	☐		Samples preserved correctly?
☑	☐		If "No", added orange tag?
☑	☐		Received pre-preserved VOC soils?

☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

☐ Bacteriological
☐ Air Bags
☐ EnCores / Methanol Pre-Preserved
☐ Formaldehyde/Aldehyde
☐ Green-tagged containers
☐ Yellow/White-tagged 1L ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)
☐ NONE RECEIVED
☑ RECEIVED, COCs TO LAB(S)

Notes

☐ Trip Blank received ☐ Trip Blank not listed on COC
☐ No COC received, Proj. Chemist reviewed (Init/Date) _____
☐ No analysis requested, Proj. Chemist completed (Init/Date) _____

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
DN 1-26-10	DN 1-26-10	Yes / No

1002144

TriMatrix Laboratories, Inc.

SAMPLE RECEIVING / LOG-IN CHECKLIST

Client	Project-Submittal No.
Sultrac	New / Add To E-100382
Receipt Record Page/Line No. 3585-15	Project Chemist DTH / Sample Nos. 01-09

Coolers Received

Recorded by (initials/date)		Qty Received	
WC 1-28-10	☑ Cooler ☐ Box ☐ Other	1	☑ IR Gun (#202) Thermometer Used ☐ Digital Thermometer (#54) ☐ Other (#) ☐ See Additional Cooler Information Form

Cooler No. / Time	Cooler No. / Time	Cooler No. / Time	Cooler No. / Time
Trn 1883 / 1416			
Custody Seals:			
☑ None	☐ None	☐ None	☐ None
☐ Present / Intact	☐ Present / Intact	☐ Present / Intact	☐ Present / Intact
☐ Present / Not Intact	☐ Present / Not Intact	☐ Present / Not Intact	☐ Present / Not Intact
Coolant Location:			
Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom
Coolant/Temperature Taken Via:			
☑ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers
☐ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers
☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers
☐ None / Avg 2-3 containers	☐ None / Avg 2-3 containers	☐ None / Avg 2-3 containers	☐ None / Avg 2-3 containers
Alternate Temperature Taken Via:			
☑ Temperature Blank (TB)	☐ Temperature Blank (TB)	☐ Temperature Blank (TB)	☐ Temperature Blank (TB)
☐ 1 Container	☐ 1 Container	☐ 1 Container	☐ 1 Container

Recorded °C	Correction Factor °C	Actual °C
Temp Blank:	-	3.0
TB location: Representative / Not Representative		
1 3.6	-	3.6
2 3.3	-	3.3
3 3.8	-	3.8
Average °C		3.6
☐ Cooler ID on COC?		
☐ VOC Trip Blank received?		

Recorded °C	Correction Factor °C	Actual °C
Temp Blank:		
TB location: Representative / Not Representative		
1		
2		
3		
Average °C		
☐ Cooler ID on COC?		
☐ VOC Trip Blank received?		

Recorded °C	Correction Factor °C	Actual °C
Temp Blank:		
TB location: Representative / Not Representative		
1		
2		
3		
Average °C		
☐ Cooler ID on COC?		
☐ VOC Trip Blank received?		

Recorded °C	Correction Factor °C	Actual °C
Temp Blank:		
TB location: Representative / Not Representative		
1		
2		
3		
Average °C		
☐ Cooler ID on COC?		
☐ VOC Trip Blank received?		

If any shaded areas checked, complete Sample Receiving Non-Conformance Form.

Paperwork Received

☐ No COC Received

N/A	Yes	No	
	☑	☐	Chain of Custody record(s)?
	☐		If No, COC Initiated By _____
	☑		Rec'd for Lab Signed/Date/Time?
☐	☑		Shipping document?
☑	☐		Other _____

COC ID Nos.

☑ TriMatrix 060297

☐ Other (Name or ID#)_____

Check COC for Accuracy

☐ No analysis requested

Yes	No	
☑	☐	Sample ID matches COC?
☑	☐	Sample Date and Time matches COC?
☑		Container type completed on COC?
☑	☐	All container types indicated are received?

Sample Condition Summary

☐ Non-TriMatrix containers, see Notes

N/A	Yes	No	
	☐	☑	Broken containers/lids?
	☐	☑	Missing or incomplete labels?
	☐	☑	Illegible information on labels?
	☐	☑	Low volume received?
	☐	☑	Inappropriate containers received?
☑	☐	☐	VOC vials / TOX containers have headspace?
☐	☐	☑	Extra sample locations / containers not listed on COC?

Check Sample Preservation

N/A	Yes	No	
	☑	☐	Average sample temperature ≤6° C?
☑	☐		Completed Sample Preservation Verification Form?
☑	☐		Samples preserved correctly?
☑	☐		If "No", added orange tag?
☑	☐		Received pre-preserved VOC soils?

☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

- ☐ Bacteriological
- ☐ Air Bags
- ☐ EnCores / Methanol Pre-Preserved
- ☐ Formaldehyde/Aldehyde
- ☐ Green-tagged containers
- ☐ Yellow/White-tagged 1L ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)
☐ NONE RECEIVED
☑ RECEIVED, COCs TO LAB(S)

Notes

☐ Trip Blank received ☐ Trip Blank not listed on COC

☐ No COC received, Proj. Chemist reviewed (Init/Date) _____

☐ No analysis requested, Proj. Chemist completed (Init/Date) _____

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
1-28-10 1405	1-28-10 1420	Yes / No

Official Sample Seal

CUSTODY SEAL

Signature [signature]

Site Plainwell Date 1-26-10

TriMatrix Laboratories, Inc.

(616) 975-4500

Official Sample Seal

CUSTODY SEAL

Signature [signature]

Site Plainwell Date 1-26-10

TriMatrix Laboratories, Inc.

(616) 975-4500

~~1001350~~
1002017 &
1002144

: 00022

TRIMATRIX LABORATORIES

SECTION - B

INTERNAL COC RECORDS

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.

5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-28-10 14:05**

Department: **Metals**

Analysis: Splp Metals

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002144-01 S-SO-56394-CB-012510-129	A	Ma Scott	2-15-10 10:00am	2-15-10 1:30pm	no	A01
1002144-02 S-SO-56394-CB-012510-133						
1002144-03 S-SO-56394-CB-012510-137						
1002144-04 S-SO-56394-CB-012510-144						
1002144-05 S-SO-56394-DR-012510-1069						
1002144-06 S-SO-56394-DR-012510-1059						
1002144-07 S-SO-56394-CB-012510-143						
1002144-08 S-SO-56394-DR-012510-1063						
1002144-09 S-SO-56394-CB-012610-153						
1002144-10 S-SO-56394-CB-012610-158						
1002144-11 S-SO-56394-CB-012610-160						
1002144-12 S-SO-56394-CB-012610-165						
1002144-13 S-SO-56394-DR-012610-1078						
1002144-15 S-SO-56394-DR-012610-1075	A	Ma Scott	2-15-10 10:00am	2-15-10 1:30pm	no	A01

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-28-10 14:05**

Department: **Metals** Analysis: Solp Metals

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002144-16 S-SO-56394-CB-012610-166	A	M a Scott	2-15-10 10:00Am	2-15-10 1:30pm	no	A 01
1002144-17 S-SO-56394-CB-012710-168						
1002144-18 SD-SO-56394-CB-012710-168						
1002144-19 S-SO-56394-CB-012710-177						
1002144-20 S-SO-56394-CB-012710-180						
1002144-21 S-SO-56394-CB-012710-182						
1002144-22 S-SO-56394-CB-012710-183						
1002144-23 S-SO-56394-CB-012810-189	A	Ma Scott	2-15-10 10:00Am	2-15-10 1:30pm	no	A 01
1002144-24 SD-SO-56394-CB-012810-189						
1002144-25 S-SO-56394-CB-012810-190						

00025

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-28-10 14:05**

Department: **Metals** Analysis: 3010A Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002144-01 S-SO-56394-CB-012510-129	A01	Ma Scott	2-17-10 7:00Am	2-17-10 4:00pm	no	A03
1002144-02 S-SO-56394-CB-012510-133	"	"	"	"	"	"
1002144-03 S-SO-56394-CB-012510-137	"	"	"	"	"	"
1002144-04 S-SO-56394-CB-012510-144	A01	Ma Scott	2-17-10 7:00Am	2-17-10 4:00pm	no	A03
1002144-05 S-SO-56394-DR-012510-1069						
1002144-06 S-SO-56394-DR-012510-1059	A01	Ma Scott	2-17-10 7:00Am	2-17-10 4:00pm	no	A03
1002144-07 S-SO-56394-CB-012510-143	"	"	"	"	"	"
1002144-08 S-SO-56394-DR-012510-1063	"	"	"	"	"	"
1002144-09 S-SO-56394-CB-012610-153	"	"	"	"	"	"
1002144-10 S-SO-56394-CB-012610-158	"	"	"	"	"	"
1002144-11 S-SO-56394-CB-012610-160	"	"	"	"	"	"
1002144-12 S-SO-56394-CB-012610-165	"	"	"	"	"	"
1002144-13 S-SO-56394-DR-012610-1078	"	"	"	"	"	"
1002144-15 S-SO-56394-DR-012610-1075	A01	Ma Scott	2-17-10 7:00Am	2-17-10 4:00pm	no	A03

00026

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-28-10 14:05**

Department: **Metals** Analysis: 3010A Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002144-16 S-SO-56394-CB-012610-166	A01	Ma Scott	2-17-10 7:00Am	2-17-10 4:00pm	no	A03
1002144-17 S-SO-56394-CB-012710-168						
1002144-18 SD-SO-56394-CB-012710-168						
1002144-19 S-SO-56394-CB-012710-177						
1002144-20 S-SO-56394-CB-012710-180						
1002144-21 S-SO-56394-CB-012710-182						
1002144-22 S-SO-56394-CB-012710-183						
1002144-23 S-SO-56394-CB-012810-189						
1002144-24 SD-SO-56394-CB-012810-189						
1002144-25 S-SO-56394-CB-012810-190	A01	Ma Scott	2-17-10 7:00Am	2-17-10 4:00pm	no	A03

000027

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-28-10 14:05**

Department: **Metals** Analysis: ICP 6010B

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002144-01 S-SO-56394-CB-012510-129	A03	Kari Vissers	2-17-10 4:00pm	2-18-10 11:05Am	no	
1002144-02 S-SO-56394-CB-012510-133	"	"	"	"	"	
1002144-03 S-SO-56394-CB-012510-137	"	"	"	"	"	
1002144-04 S-SO-56394-CB-012510-144	A03	Kari Vissers	2-17-10 4:00pm	2-18-10 11:05Am	no	
1002144-05 S-SO-56394-DR-012510-1069						
1002144-06 S-SO-56394-DR-012510-1059	A03	Kari Vissers	2-17-10 4:00pm	2-18-10 11:05Am	no	
1002144-07 S-SO-56394-CB-012510-143	"	"	"	"	"	
1002144-08 S-SO-56394-DR-012510-1063	"	"	"	"	"	
1002144-09 S-SO-56394-CB-012610-153	"	"	"	"	"	
1002144-10 S-SO-56394-CB-012610-158	"	"	"	"	"	
1002144-11 S-SO-56394-CB-012610-160	"	"	"	"	"	
1002144-12 S-SO-56394-CB-012610-165	"	"	"	"	"	
1002144-13 S-SO-56394-DR-012610-1078	A03	"	"	"	"	
1002144-15 S-SO-56394-DR-012610-1075	A03	Kari Vissers	2-17-10 4:00pm	2-18-10 11:05Am	no	

00028

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-28-10 14:05**

Department: **Metals**

Analysis: ICP 6010B

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002144-16 S-SO-56394-CB-012610-166	A03	Kari Ussier	2-17-10 4:00pm	2-18-10 11:05 AM	no	
1002144-17 S-SO-56394-CB-012710-168						
1002144-18 SD-SO-56394-CB-012710-168						
1002144-19 S-SO-56394-CB-012710-177						
1002144-20 S-SO-56394-CB-012710-180						
1002144-21 S-SO-56394-CB-012710-182						
1002144-22 S-SO-56394-CB-012710-183						
1002144-23 S-SO-56394-CB-012810-189						
1002144-24 SD-SO-56394-CB-012810-189						
1002144-25 S-SO-56394-CB-012810-190	A03	Kari Ussier	2-17-10 4:00pm	2-18-10 11:05 AM	no	

00029

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-28-10 14:05**

Department: **Metals** Analysis: 3010A Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002144-16 S-SO-56394-CB-012610-166						
1002144-17 S-SO-56394-CB-012710-168						
1002144-18 SD-SO-56394-CB-012710-168						
1002144-19 S-SO-56394-CB-012710-177						
1002144-20 S-SO-56394-CB-012710-180						
1002144-21 S-SO-56394-CB-012710-182	A01	Mallard	2-17-10 7:00Am	2-17-10 4:00pm	no	A03
1002144-22 S-SO-56394-CB-012710-183						
1002144-23 S-SO-56394-CB-012810-189						
1002144-24 SD-SO-56394-CB-012810-189						
1002144-25 S-SO-56394-CB-012810-190	A01	Mallard	2-17-10 7:00Am	2-17-10 4:00pm	no	A03

000039

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-28-10 14:05**

Department: **Metals** Analysis: ICP 6010B

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002144-16 S-SO-56394-CB-012610-166						
1002144-17 S-SO-56394-CB-012710-168						
1002144-18 SD-SO-56394-CB-012710-168						
1002144-19 S-SO-56394-CB-012710-177						
1002144-20 S-SO-56394-CB-012710-180						
1002144-21 S-SO-56394-CB-012710-182	AO3	Kari Vissers	2-17-10 4:00pm	2-18-10 11:05AM	NO	
1002144-22 S-SO-56394-CB-012710-183	"	"	"	"	"	
1002144-23 S-SO-56394-CB-012810-189	"	"	"	"	"	
1002144-24 SD-SO-56394-CB-012810-189	"	"	"	"	"	
1002144-25 S-SO-56394-CB-012810-190	AO3	Kari Vissers	2-17-10 4:00pm	2-18-10 11:05AM	NO	

00031

Internal Chain of Custody --- Work Order # **1002144**

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-28-10 14:05**

Department: **Metals**

Analysis: 3010A Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002144-01 S-SO-56394-CB-012510-129						
1002144-02 S-SO-56394-CB-012510-133						
1002144-03 S-SO-56394-CB-012510-137						
1002144-04 S-SO-56394-CB-012510-144						
1002144-05 S-SO-56394-DR-012510-1069	A01	Ma Dcott	2-23-10 7:30am	2-23-10 4:00pm	no	A03
1002144-06 S-SO-56394-DR-012510-1059						
1002144-07 S-SO-56394-CB-012510-143						
1002144-08 S-SO-56394-DR-012510-1063						
1002144-09 S-SO-56394-CB-012610-153						
1002144-10 S-SO-56394-CB-012610-158						
1002144-11 S-SO-56394-CB-012610-160						
1002144-12 S-SO-56394-CB-012610-165						
1002144-13 S-SO-56394-DR-012610-1078						
1002144-15 S-SO-56394-DR-012610-1075						

00032

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-28-10 14:05**

Department: **Metals** Analysis: ICP 6010B

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002144-01 S-SO-56394-CB-012510-129						
1002144-02 S-SO-56394-CB-012510-133						
1002144-03 S-SO-56394-CB-012510-137						
1002144-04 S-SO-56394-CB-012510-144						
1002144-05 S-SO-56394-DR-012510-1069	A03	Joanna Jaff	2/23/10 4:00pm	3/2/10 2:05pm	NO	
1002144-06 S-SO-56394-DR-012510-1059						
1002144-07 S-SO-56394-CB-012510-143						
1002144-08 S-SO-56394-DR-012510-1063						
1002144-09 S-SO-56394-CB-012610-153						
1002144-10 S-SO-56394-CB-012610-158						
1002144-11 S-SO-56394-CB-012610-160						
1002144-12 S-SO-56394-CB-012610-165						
1002144-13 S-SO-56394-DR-012610-1078						
1002144-15 S-SO-56394-DR-012610-1075						

EC000033

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-28-10 14:05**

Department: **Metals** Analysis: 3020A Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002144-01 S-SO-56394-CB-012510-129	A01	Ma Scott	2-17-10 7:00Am	2-17-10 4:00p.m	no	A04
1002144-02 S-SO-56394-CB-012510-133						
1002144-03 S-SO-56394-CB-012510-137						
1002144-04 S-SO-56394-CB-012510-144						
1002144-05 S-SO-56394-DR-012510-1069						
1002144-06 S-SO-56394-DR-012510-1059						
1002144-07 S-SO-56394-CB-012510-143						
1002144-08 S-SO-56394-DR-012510-1063						
1002144-09 S-SO-56394-CB-012610-153						
1002144-10 S-SO-56394-CB-012610-158						
1002144-11 S-SO-56394-CB-012610-160						
1002144-12 S-SO-56394-CB-012610-165						
1002144-13 S-SO-56394-DR-012610-1078						
1002144-15 S-SO-56394-DR-012610-1075	A01	Ma Scott	2-17-10 7:00Am	2-17-10 4:00pm	no	A04

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-28-10 14:05**

Department: **Metals** Analysis: 3020A Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002144-16 S-SO-56394-CB-012610-166	A01	Ma Scott	2-17-10 7:00Am	2-17-10 4:00pm	no	A04
1002144-17 S-SO-56394-CB-012710-168	"	"	"	"	"	"
1002144-18 SD-SO-56394-CB-012710-168	"	"	"	"	"	"
1002144-19 S-SO-56394-CB-012710-177	A01	Ma Scott	2-17-10 7:00Am	2-17-10 4:00pm	no	A04
1002144-20 S-SO-56394-CB-012710-180						
1002144-21 S-SO-56394-CB-012710-182						
1002144-22 S-SO-56394-CB-012710-183						
1002144-23 S-SO-56394-CB-012810-189						
1002144-24 SD-SO-56394-CB-012810-189						
1002144-25 S-SO-56394-CB-012810-190						

00035

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-28-10 14:05**

Department: **Metals**

Analysis: ICPMS 6020A

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002144-01 S-SO-56394-CB-012510-129	A04	David Johnson	2-17-10 4:00p	2-17-10 8:55a	NO	
1002144-02 S-SO-56394-CB-012510-133						
1002144-03 S-SO-56394-CB-012510-137						
1002144-04 S-SO-56394-CB-012510-144						
1002144-05 S-SO-56394-DR-012510-1069						
1002144-06 S-SO-56394-DR-012510-1059						
1002144-07 S-SO-56394-CB-012510-143		"		"	"	
1002144-08 S-SO-56394-DR-012510-1063			"			
1002144-09 S-SO-56394-CB-012610-153						
1002144-10 S-SO-56394-CB-012610-158						
1002144-11 S-SO-56394-CB-012610-160						
1002144-12 S-SO-56394-CB-012610-165						
1002144-13 S-SO-56394-DR-012610-1078						
1002144-15 S-SO-56394-DR-012610-1075	A04	David Johnson	2-17-10 4:00p	2-17-10 8:55a	NO	

00036

Internal Chain of Custody --- Work Order # **1002144**

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-28-10 14:05**

Department: **Metals**

Analysis: ICPMS 6020A

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002144-16 S-SO-56394-CB-012610-166	A04	David Johnson	2-17-10 4:00p	2-17-10 8:55p	ND	
1002144-17 S-SO-56394-CB-012710-168	↓	"	"	"	"	
1002144-18 SD-SO-56394-CB-012710-168	↓	"	"	"	"	
1002144-19 S-SO-56394-CB-012710-177	A04	David Johnson	2-17-10 4:00p	2-17-10 8:55p	ND	
1002144-20 S-SO-56394-CB-012710-180						
1002144-21 S-SO-56394-CB-012710-182						
1002144-22 S-SO-56394-CB-012710-183						
1002144-23 S-SO-56394-CB-012810-189						
1002144-24 SD-SO-56394-CB-012810-189						
1002144-25 S-SO-56394-CB-012810-190						

00037

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-28-10 14:05**

Department: **Metals** Analysis: 3020A Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002144-16 S-SO-56394-CB-012610-166						
1002144-17 S-SO-56394-CB-012710-168						
1002144-18 SD-SO-56394-CB-012710-168						
1002144-19 S-SO-56394-CB-012710-177						
1002144-20 S-SO-56394-CB-012710-180	A01	Tina Scott	2-17-10 7:00AM	2-17-10 4:00pm	no	A04
1002144-21 S-SO-56394-CB-012710-182	"	"	"	"	"	"
1002144-22 S-SO-56394-CB-012710-183	"	"	"	"	"	"
1002144-23 S-SO-56394-CB-012810-189	"	"	"	"	"	"
1002144-24 SD-SO-56394-CB-012810-189	"	"	"	"	"	"
1002144-25 S-SO-56394-CB-012810-190	A01	Tina Scott	2-17-10 7:00AM	2-17-10 4:00pm	no	A04

00038

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-28-10 14:05**

Department: **Metals** Analysis: ICPMS 6020A

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002144-16 S-SO-56394-CB-012610-166						
1002144-17 S-SO-56394-CB-012710-168						
1002144-18 SD-SO-56394-CB-012710-168						
1002144-19 S-SO-56394-CB-012710-177						
1002144-20 S-SO-56394-CB-012710-180	A04	David Johnson	2-17-10 4:00PM	2-22-10 1:00PM	NO	
1002144-21 S-SO-56394-CB-012710-182	"	"	"	"	"	
1002144-22 S-SO-56394-CB-012710-183	"	"	"	"	"	
1002144-23 S-SO-56394-CB-012810-189	"	"	"	"	"	
1002144-24 SD-SO-56394-CB-012810-189	"	"	"	"	"	
1002144-25 S-SO-56394-CB-012810-190	A04	David Johnson	2-17-10 4:00PM	2-22-10 1:00PM	NO	

00039

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-28-10 14:05**

Department: **Metals** Analysis: 7470A Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002144-01 S-SO-56394-CB-012510-129	A01	Ma Scott	2-16-10 1:00pm	2-16-10 3:00pm	no	A02
1002144-02 S-SO-56394-CB-012510-133	"	"	"	"	"	"
1002144-03 S-SO-56394-CB-012510-137	"	"	"	"	"	"
1002144-04 S-SO-56394-CB-012510-144	"	"	"	"	"	"
1002144-05 S-SO-56394-DR-012510-1069	A01	Ma Scott	2-16-10 1:00pm	2-16-10 3:00pm	no	A02
1002144-06 S-SO-56394-DR-012510-1059						
1002144-07 S-SO-56394-CB-012510-143	A01	Ma Scott	2-16-10 1:00pm	2-16-10 3:00pm	no	A02
1002144-08 S-SO-56394-DR-012510-1063						
1002144-09 S-SO-56394-CB-012610-153						
1002144-10 S-SO-56394-CB-012610-158	A01	Ma Scott	2-16-10 1:00pm	2-16-10 3:00pm	no	A02
1002144-11 S-SO-56394-CB-012610-160						
1002144-12 S-SO-56394-CB-012610-165						
1002144-13 S-SO-56394-DR-012610-1078						
1002144-15 S-SO-56394-DR-012610-1075						

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-28-10 14:05**

Department: **Metals** Analysis: 7470A Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002144-16 S-SO-56394-CB-012610-166	A01	Ma Scott	2-16-10 1:00pm	2-16-10 3:00pm	no	A02
1002144-17 S-SO-56394-CB-012710-168						
1002144-18 SD-SO-56394-CB-012710-168						
1002144-19 S-SO-56394-CB-012710-177						
1002144-20 S-SO-56394-CB-012710-180						
1002144-21 S-SO-56394-CB-012710-182						
1002144-22 S-SO-56394-CB-012710-183						
1002144-23 S-SO-56394-CB-012810-189						
1002144-24 SD-SO-56394-CB-012810-189						
1002144-25 S-SO-56394-CB-012810-190	A01	Ma Scott	2-16-10 1:00pm	2-16-10 3:00pm	no	A02

00041

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-28-10 14:05**

Department: **Metals** Analysis: Hg 7470A

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002144-01 S-SO-56394-CB-012510-129	A02	Joanne Joy	2/16/10 3:00pm	2/17/10 3:25pm	Yes	
1002144-02 S-SO-56394-CB-012510-133	"	"	"	"	"	
1002144-03 S-SO-56394-CB-012510-137	"	"	"	"	"	
1002144-04 S-SO-56394-CB-012510-144	"	"	"	"	"	
1002144-05 S-SO-56394-DR-012510-1069	A02	Joanne Joy	2/16/10 3:00pm	2/17/10 3:25pm	Yes	
1002144-06 S-SO-56394-DR-012510-1059						
1002144-07 S-SO-56394-CB-012510-143	A02	Joanne Joy	2/16/10 3:00pm	2/17/10 3:25pm	Yes	
1002144-08 S-SO-56394-DR-012510-1063						
1002144-09 S-SO-56394-CB-012610-153						
1002144-10 S-SO-56394-CB-012610-158	A02	Joanne Joy	2/16/10 3:00pm	2/17/10 3:25pm	Yes	
1002144-11 S-SO-56394-CB-012610-160						
1002144-12 S-SO-56394-CB-012610-165						
1002144-13 S-SO-56394-DR-012610-1078						
1002144-15 S-SO-56394-DR-012610-1075						

00042

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-28-10 14:05**

Department: **Metals** Analysis: Hg 7470A

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002144-16 S-SO-56394-CB-012610-166	A02	Joanne Joy	2/16/10 3:00pm	2/17/10 3:25pm	YES	
1002144-17 S-SO-56394-CB-012710-168						
1002144-18 SD-SO-56394-CB-012710-168						
1002144-19 S-SO-56394-CB-012710-177						
1002144-20 S-SO-56394-CB-012710-180						
1002144-21 S-SO-56394-CB-012710-182						
1002144-22 S-SO-56394-CB-012710-183						
1002144-23 S-SO-56394-CB-012810-189						
1002144-24 SD-SO-56394-CB-012810-189						
1002144-25 S-SO-56394-CB-012810-190	A02	Joanne Joy	2/16/10 3:00pm	2/17/10 3:25pm	YES	

Ch000

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-28-10 14:05**

Department: **Metals** Analysis: 7470A Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002144-01 S-SO-56394-CB-012510-129						
1002144-02 S-SO-56394-CB-012510-133						
1002144-03 S-SO-56394-CB-012510-137						
1002144-04 S-SO-56394-CB-012510-144						
1002144-05 S-SO-56394-DR-012510-1069						
1002144-06 S-SO-56394-DR-012510-1059	A01	Ma Scott	2-23-10 2:00pm	2-23-10 4:00pm	no	A02
1002144-07 S-SO-56394-CB-012510-143						
1002144-08 S-SO-56394-DR-012510-1063	A01	Ma Scott	2-23-10 2:00pm	2-23-10 4:00pm	no	A02
1002144-09 S-SO-56394-CB-012610-153	A01	Ma Scott	2-23-10 2:00pm	2-23-10 4:00pm	no	A02
1002144-10 S-SO-56394-CB-012610-158						
1002144-11 S-SO-56394-CB-012610-160	A01	Ma Scott	2-23-10 2:00pm	2-23-10 4:00pm	no	A02
1002144-12 S-SO-56394-CB-012610-165	A01	↓ "	↓ "	↓ "	↓ "	A02
1002144-13 S-SO-56394-DR-012610-1078	A01	Ma Scott	2-23-10 2:00pm	2-23-10 4:00pm	no	A02
1002144-15 S-SO-56394-DR-012610-1075						

th0904

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-28-10 14:05**

Department: **Metals** Analysis: Hg 7470A

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002144-01 S-SO-56394-CB-012510-129						
1002144-02 S-SO-56394-CB-012510-133						
1002144-03 S-SO-56394-CB-012510-137						
1002144-04 S-SO-56394-CB-012510-144						
1002144-05 S-SO-56394-DR-012510-1069						
1002144-06 S-SO-56394-DR-012510-1059	A02	Denise Cotter	2-23-10 4:00 PM	2-24-10 3:30 PM	Yes	
1002144-07 S-SO-56394-CB-012510-143						
1002144-08 S-SO-56394-DR-012510-1063	A02	Denise Cotter	2-23-10 4:00 PM	2-24-10 3:30 PM	Yes	
1002144-09 S-SO-56394-CB-012610-153	A02	Denise Cotter	2-23-10 4:00 PM	2-24-10 3:30 PM	Yes	
1002144-10 S-SO-56394-CB-012610-158						
1002144-11 S-SO-56394-CB-012610-160	A02	Denise Cotter	2-23-10 4:00 PM	2-24-10 3:30 PM	Yes	
1002144-12 S-SO-56394-CB-012610-165	A02	"	"	"	"	
1002144-13 S-SO-56394-DR-012610-1078	A02	Denise Cotter	2-23-10 4:00 PM	2-24-10 3:30 PM	Yes	
1002144-15 S-SO-56394-DR-012610-1075						

Sh000...

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-28-10 14:05**

Department: **Metals** Analysis: 7470A Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002144-01 S-SO-56394-CB-012510-129						
1002144-02 S-SO-56394-CB-012510-133						
1002144-03 S-SO-56394-CB-012510-137						
1002144-04 S-SO-56394-CB-012510-144						
1002144-05 S-SO-56394-DR-012510-1069						
1002144-06 S-SO-56394-DR-012510-1059						
1002144-07 S-SO-56394-CB-012510-143						
1002144-08 S-SO-56394-DR-012510-1063						
1002144-09 S-SO-56394-CB-012610-153						
1002144-10 S-SO-56394-CB-012610-158						
1002144-11 S-SO-56394-CB-012610-160						
1002144-12 S-SO-56394-CB-012610-165						
1002144-13 S-SO-56394-DR-012610-1078						
1002144-15 S-SO-56394-DR-012610-1075	A01	Ina Scott	2-23-10 2:00pm	2-23-10 4:00pm	no	A02

9h000

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-28-10 14:05**

Department: **Metals** Analysis: Hg 7470A

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002144-01 S-SO-56394-CB-012510-129						
1002144-02 S-SO-56394-CB-012510-133						
1002144-03 S-SO-56394-CB-012510-137						
1002144-04 S-SO-56394-CB-012510-144						
1002144-05 S-SO-56394-DR-012510-1069						
1002144-06 S-SO-56394-DR-012510-1059						
1002144-07 S-SO-56394-CB-012510-143						
1002144-08 S-SO-56394-DR-012510-1063						
1002144-09 S-SO-56394-CB-012610-153						
1002144-10 S-SO-56394-CB-012610-158						
1002144-11 S-SO-56394-CB-012610-160						
1002144-12 S-SO-56394-CB-012610-165						
1002144-13 S-SO-56394-DR-012610-1078						
1002144-15 S-SO-56394-DR-012610-1075	A02	Denise Cottey	2-23-10 4:00 pm	2-24-10 3:30 pm	Yes	

00047

Internal Chain of Custody --- Work Order # **1002017**

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-28-10 13:19**

Department: **Inorganic - Wet Chemistry**

Analysis: 9010B Cyanide Distillation

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002017-01 S-SO-56394-CB-012510-129	A01	Lucy M Harvey	02/03/10 7:00am	02/03/10 8:00am	NO	A02
1002017-02 S-SO-56394-CB-012510-133	A01					
1002017-03 S-SO-56394-CB-012610-158	A01					
1002017-04 S-SO-56394-CB-012610-160	A01					
1002017-05 S-SO-56394-DR-012610-1078	A01					
1002017-06 SD-SO-56394-DR-012610-1078	A01	"	"	"	"	"
1002017-07 S-SO-56394-CB-012710-168	A01					
1002017-08 SD-SO-56394-CB-012710-168	A01					
1002017-09 S-SO-56394-CB-012710-177	A01					
1002017-10 S-SO-56394-CB-012710-180	A01					
1002017-11 S-SO-56394-CB-012710-182	A01					
1002017-12 S-SO-56394-CB-012810-189	A01	Lucy M Harvey	02/03/10 7:00am	02/03/10 8:00am	NO	A02

8h000

Internal Chain of Custody --- Work Order # **1002017**

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-28-10 13:19**

Department: Inorganic - Wet Chemistry Analysis: Cyanide SPLP 9014

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002017-01 S-SO-56394-CB-012510-129	A02	Lucy M Ashley	02/03/10 12:30pm	02/03/10 2:35pm	NO	—
1002017-02 S-SO-56394-CB-012510-133						—
1002017-03 S-SO-56394-CB-012610-158						—
1002017-04 S-SO-56394-CB-012610-160						—
1002017-05 S-SO-56394-DR-012610-1078						—
1002017-06 SD-SO-56394-DR-012610-1078	"	"	"		"	—
1002017-07 S-SO-56394-CB-012710-168				"		—
1002017-08 SD-SO-56394-CB-012710-168						—
1002017-09 S-SO-56394-CB-012710-177						—
1002017-10 S-SO-56394-CB-012710-180						—
1002017-11 S-SO-56394-CB-012710-182						—
1002017-12 S-SO-56394-CB-012810-189	A02	Lucy M Ashley	02/03/10 12:30pm	02/03/10 2:35pm	NO	—

61000

TRIMATRIX LABORATORIES

SECTION - C

INORGANIC - METALS

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.

5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

TriMatrix Laboratories, Inc.

SulTRAC

Project: Plainwell Mill

SDG: PM012510B

USEPA-6010B

SAMPLE ID SUMMARY

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-SO-56394-CB-012510-129	1002144-01
S-SO-56394-CB-012510-133	1002144-02
S-SO-56394-CB-012510-137	1002144-03
S-SO-56394-CB-012510-144	1002144-04
S-SO-56394-DR-012510-1069	1002144-05
S-SO-56394-DR-012510-1059	1002144-06
S-SO-56394-CB-012510-143	1002144-07
S-SO-56394-DR-012510-1063	1002144-08
S-SO-56394-CB-012610-153	1002144-09
S-SO-56394-CB-012610-158	1002144-10
S-SO-56394-CB-012610-160	1002144-11
S-SO-56394-CB-012610-165	1002144-12
S-SO-56394-DR-012610-1078	1002144-13
S-SO-56394-DR-012610-1075	1002144-15
S-SO-56394-CB-012610-166	1002144-16
S-SO-56394-CB-012710-168	1002144-17
SD-SO-56394-CB-012710-168	1002144-18
S-SO-56394-CB-012710-177	1002144-19
S-SO-56394-CB-012710-180	1002144-20
S-SO-56394-CB-012710-182	1002144-21
S-SO-56394-CB-012710-183	1002144-22
S-SO-56394-CB-012810-189	1002144-23
SD-SO-56394-CB-012810-189	1002144-24
S-SO-56394-CB-012810-190	1002144-25

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012510-129

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 09:55
Solids: 0.00
Laboratory ID: 1002144-01

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001397

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.42	mg/L	1	0.10	0.023		02/18/10 08:47
7440-39-3	Barium, SPLP	0.049	mg/L	1	0.010	0.0036		02/18/10 08:47
7439-89-6	Iron, SPLP	0.25	mg/L	1	0.020	0.0042		02/18/10 08:47
7439-96-5	Manganese, SPLP	0.020	mg/L	1	0.020	0.0031	U	02/18/10 08:47
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/18/10 08:47

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012510-133

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 11:25
Solids: 0.00
Laboratory ID: 1002144-02

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001397

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.024	mg/L	1	0.10	0.023	J	02/18/10 08:51
7440-39-3	Barium, SPLP	0.045	mg/L	1	0.010	0.0036		02/18/10 08:51
7439-89-6	Iron, SPLP	0.0046	mg/L	1	0.020	0.0042	J	02/18/10 08:51
7439-96-5	Manganese, SPLP	0.020	mg/L	1	0.020	0.0031	U	02/18/10 08:51
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/18/10 08:51

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012510-137

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 12:55
Solids: 0.00
Laboratory ID: 1002144-03

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001397

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.076	mg/L	1	0.10	0.023	J	02/18/10 08:54
7440-39-3	Barium, SPLP	0.050	mg/L	1	0.010	0.0036		02/18/10 08:54
7439-89-6	Iron, SPLP	0.056	mg/L	1	0.020	0.0042		02/18/10 08:54
7439-96-5	Manganese, SPLP	0.020	mg/L	1	0.020	0.0031	U	02/18/10 08:54
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/18/10 08:54

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012510-144

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 15:50
Solids: 0.00
Laboratory ID: 1002144-04

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001397

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.29	mg/L	1	0.10	0.023		02/18/10 08:58
7440-39-3	Barium, SPLP	0.0094	mg/L	1	0.010	0.0036	J	02/18/10 08:58
7439-89-6	Iron, SPLP	0.16	mg/L	1	0.020	0.0042		02/18/10 08:58
7439-96-5	Manganese, SPLP	0.020	mg/L	1	0.020	0.0031	U	02/18/10 08:58
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/18/10 08:58

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-DR-012510-1069

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 14:40
Solids: 0.00
Laboratory ID: 1002144-05

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/23/10 07:30
Initial/Final: 25 mL / 25 mL
QC Batch: 1001566

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.026	mg/L	1	0.10	0.023	J	03/02/10 13:51
7440-39-3	Barium, SPLP	0.0068	mg/L	1	0.010	0.0036	J	03/02/10 13:51
7439-89-6	Iron, SPLP	0.073	mg/L	1	0.020	0.0042		03/02/10 13:51
7439-96-5	Manganese, SPLP	0.020	mg/L	1	0.020	0.0031	U	03/02/10 13:51
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	03/02/10 13:51

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-DR-012510-1059

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 09:25
Solids: 0.00
Laboratory ID: 1002144-06

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001397

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.11	mg/L	1	0.10	0.023		02/18/10 09:01
7440-39-3	Barium, SPLP	0.0042	mg/L	1	0.010	0.0036	J	02/18/10 09:01
7439-89-6	Iron, SPLP	0.011	mg/L	1	0.020	0.0042	J	02/18/10 09:01
7439-96-5	Manganese, SPLP	0.020	mg/L	1	0.020	0.0031	U	02/18/10 09:01
7440-02-0	Nickel, SPLP	0.0071	mg/L	1	0.010	0.0064	J	02/18/10 09:01

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012510-143

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 13:05
Solids: 0.00
Laboratory ID: 1002144-07

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001397

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.19	mg/L	1	0.10	0.023		02/18/10 09:04
7440-39-3	Barium, SPLP	0.0061	mg/L	1	0.010	0.0036	J	02/18/10 09:04
7439-89-6	Iron, SPLP	0.057	mg/L	1	0.020	0.0042		02/18/10 09:04
7439-96-5	Manganese, SPLP	0.020	mg/L	1	0.020	0.0031	U	02/18/10 09:04
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/18/10 09:04

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-DR-012510-1063

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 11:25
Solids: 0.00
Laboratory ID: 1002144-08

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001397

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	3.5	mg/L	1	0.10	0.023		02/18/10 09:08
7440-39-3	Barium, SPLP	0.026	mg/L	1	0.010	0.0036		02/18/10 09:08
7439-89-6	Iron, SPLP	2.8	mg/L	1	0.020	0.0042		02/18/10 09:08
7439-96-5	Manganese, SPLP	0.065	mg/L	1	0.020	0.0031		02/18/10 09:08
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/18/10 09:08

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012610-153

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 10:20
Solids: 0.00
Laboratory ID: 1002144-09

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001397

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.10	mg/L	1	0.10	0.023	U	02/18/10 09:11
7440-39-3	Barium, SPLP	0.0051	mg/L	1	0.010	0.0036	J	02/18/10 09:11
7439-89-6	Iron, SPLP	0.064	mg/L	1	0.020	0.0042		02/18/10 09:11
7439-96-5	Manganese, SPLP	0.020	mg/L	1	0.020	0.0031	U	02/18/10 09:11
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/18/10 09:11

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012610-158

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 12:50
Solids: 0.00
Laboratory ID: 1002144-10

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001397

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	2.5	mg/L	1	0.10	0.023		02/18/10 09:21
7440-39-3	Barium, SPLP	0.34	mg/L	1	0.010	0.0036		02/18/10 09:21
7439-89-6	Iron, SPLP	4.4	mg/L	1	0.020	0.0042		02/18/10 09:21
7439-96-5	Manganese, SPLP	0.35	mg/L	1	0.020	0.0031		02/18/10 09:21
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/18/10 09:21

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012610-160

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 13:45
Solids: 0.00
Laboratory ID: 1002144-11

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001397

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	1.1	mg/L	1	0.10	0.023		02/18/10 09:24
7440-39-3	Barium, SPLP	0.022	mg/L	1	0.010	0.0036		02/18/10 09:24
7439-89-6	Iron, SPLP	1.8	mg/L	1	0.020	0.0042		02/18/10 09:24
7439-96-5	Manganese, SPLP	0.018	mg/L	1	0.020	0.0031	J	02/18/10 09:24
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/18/10 09:24

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012610-165

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 15:20
Solids: 0.00
Laboratory ID: 1002144-12

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001397

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.031	mg/L	1	0.10	0.023	J	02/18/10 09:28
7440-39-3	Barium, SPLP	0.010	mg/L	1	0.010	0.0036	U	02/18/10 09:28
7439-89-6	Iron, SPLP	0.015	mg/L	1	0.020	0.0042	J	02/18/10 09:28
7439-96-5	Manganese, SPLP	0.020	mg/L	1	0.020	0.0031	U	02/18/10 09:28
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/18/10 09:28

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-DR-012610-1078

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 11:35
Solids: 0.00
Laboratory ID: 1002144-13

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001397

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.10	mg/L	1	0.10	0.023	U	02/18/10 09:31
7440-39-3	Barium, SPLP	0.18	mg/L	1	0.010	0.0036		02/18/10 09:31
7439-89-6	Iron, SPLP	0.0045	mg/L	1	0.020	0.0042	J	02/18/10 09:31
7439-96-5	Manganese, SPLP	0.020	mg/L	1	0.020	0.0031	U	02/18/10 09:31
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/18/10 09:31

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-DR-012610-1075

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 09:25
Solids: 0.00
Laboratory ID: 1002144-15

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001397

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.15	mg/L	1	0.10	0.023		02/18/10 09:34
7440-39-3	Barium, SPLP	0.0054	mg/L	1	0.010	0.0036	J	02/18/10 09:34
7439-89-6	Iron, SPLP	0.020	mg/L	1	0.020	0.0042	U	02/18/10 09:34
7439-96-5	Manganese, SPLP	0.020	mg/L	1	0.020	0.0031	U	02/18/10 09:34
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/18/10 09:34

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012610-166

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 16:10
Solids: 0.00
Laboratory ID: 1002144-16

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001397

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.64	mg/L	1	0.10	0.023		02/18/10 09:38
7440-39-3	Barium, SPLP	0.011	mg/L	1	0.010	0.0036		02/18/10 09:38
7439-89-6	Iron, SPLP	0.60	mg/L	1	0.020	0.0042		02/18/10 09:38
7439-96-5	Manganese, SPLP	0.016	mg/L	1	0.020	0.0031	J	02/18/10 09:38
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/18/10 09:38

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012710-168

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 09:00
Solids: 0.00
Laboratory ID: 1002144-17

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001397

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	1.0	mg/L	1	0.10	0.023		02/18/10 09:41
7440-39-3	Barium, SPLP	0.029	mg/L	1	0.010	0.0036		02/18/10 09:41
7439-89-6	Iron, SPLP	1.1	mg/L	1	0.020	0.0042		02/18/10 09:41
7439-96-5	Manganese, SPLP	0.054	mg/L	1	0.020	0.0031		02/18/10 09:41
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/18/10 09:41

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

SD-SO-56394-CB-012710-168

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 09:00
Solids: 0.00
Laboratory ID: 1002144-18

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001397

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.87	mg/L	1	0.10	0.023		02/18/10 09:44
7440-39-3	Barium, SPLP	0.024	mg/L	1	0.010	0.0036		02/18/10 09:44
7439-89-6	Iron, SPLP	0.80	mg/L	1	0.020	0.0042		02/18/10 09:44
7439-96-5	Manganese, SPLP	0.036	mg/L	1	0.020	0.0031		02/18/10 09:44
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/18/10 09:44

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012710-177

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 11:35
Solids: 0.00
Laboratory ID: 1002144-19

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001397

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.52	mg/L	1	0.10	0.023		02/18/10 09:48
7440-39-3	Barium, SPLP	0.0055	mg/L	1	0.010	0.0036	J	02/18/10 09:48
7439-89-6	Iron, SPLP	0.17	mg/L	1	0.020	0.0042		02/18/10 09:48
7439-96-5	Manganese, SPLP	0.020	mg/L	1	0.020	0.0031	U	02/18/10 09:48
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/18/10 09:48

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012710-180

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 13:50
Solids: 0.00
Laboratory ID: 1002144-20

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001397

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.83	mg/L	1	0.10	0.023		02/18/10 09:51
7440-39-3	Barium, SPLP	0.023	mg/L	1	0.010	0.0036		02/18/10 09:51
7439-89-6	Iron, SPLP	0.020	mg/L	1	0.020	0.0042		02/18/10 09:51
7439-96-5	Manganese, SPLP	0.020	mg/L	1	0.020	0.0031	U	02/18/10 09:51
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/18/10 09:51

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012710-182

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 14:50
Solids: 0.00
Laboratory ID: 1002144-21

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001398

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.046	mg/L	1	0.10	0.023	J	02/18/10 10:23
7440-39-3	Barium, SPLP	0.16	mg/L	1	0.010	0.0036		02/18/10 10:23
7439-89-6	Iron, SPLP	0.050	mg/L	1	0.020	0.0042		02/18/10 10:23
7439-96-5	Manganese, SPLP	0.020	mg/L	1	0.020	0.0031	U	02/18/10 10:23
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/18/10 10:23

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012710-183

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 15:20
Solids: 0.00
Laboratory ID: 1002144-22

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001398

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.43	mg/L	1	0.10	0.023		02/18/10 10:47
7440-39-3	Barium, SPLP	0.023	mg/L	1	0.010	0.0036		02/18/10 10:47
7439-89-6	Iron, SPLP	0.34	mg/L	1	0.020	0.0042		02/18/10 10:47
7439-96-5	Manganese, SPLP	0.0096	mg/L	1	0.020	0.0031	J	02/18/10 10:47
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/18/10 10:47

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012810-189

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/28/10 09:15
Solids: 0.00
Laboratory ID: 1002144-23

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001398

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.11	mg/L	1	0.10	0.023		02/18/10 10:50
7440-39-3	Barium, SPLP	0.010	mg/L	1	0.010	0.0036	U	02/18/10 10:50
7439-89-6	Iron, SPLP	0.070	mg/L	1	0.020	0.0042		02/18/10 10:50
7439-96-5	Manganese, SPLP	0.020	mg/L	1	0.020	0.0031	U	02/18/10 10:50
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/18/10 10:50

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

SD-SO-56394-CB-012810-189

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/28/10 09:15
Solids: 0.00
Laboratory ID: 1002144-24

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001398

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.11	mg/L	1	0.10	0.023		02/18/10 10:53
7440-39-3	Barium, SPLP	0.010	mg/L	1	0.010	0.0036	U	02/18/10 10:53
7439-89-6	Iron, SPLP	0.051	mg/L	1	0.020	0.0042		02/18/10 10:53
7439-96-5	Manganese, SPLP	0.020	mg/L	1	0.020	0.0031	U	02/18/10 10:53
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/18/10 10:53

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012810-190

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/28/10 10:05
Solids: 0.00
Laboratory ID: 1002144-25

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001398

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.43	mg/L	1	0.10	0.023		02/18/10 10:57
7440-39-3	Barium, SPLP	0.0079	mg/L	1	0.010	0.0036	J	02/18/10 10:57
7439-89-6	Iron, SPLP	0.31	mg/L	1	0.020	0.0042		02/18/10 10:57
7439-96-5	Manganese, SPLP	0.0093	mg/L	1	0.020	0.0031	J	02/18/10 10:57
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/18/10 10:57

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B18004

SDG: PM012510B
Project: Plainwell Mill
Instrument: 101
Calibration: 0B18013

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B18004-CAL1	0B18004-002	02/18/10 07:53
Cal Standard	0B18004-CAL2	0B18004-003	02/18/10 07:56
Cal Standard	0B18004-CAL3	0B18004-004	02/18/10 08:00
Cal Standard	0B18004-CAL4	0B18004-005	02/18/10 08:03
Cal Standard	0B18004-CAL5	0B18004-006	02/18/10 08:07
Secondary Cal Check	0B18004-SCV1	0B18004-007	02/18/10 08:10
Calibration Check	0B18004-CCV1	0B18004-007	02/18/10 08:10
Calibration Blank	0B18004-CCB1	0B18004-008	02/18/10 08:13
MRL Check	0B18004-CRL1	0B18004-009	02/18/10 08:17
Interference Check A	0B18004-IFA1	0B18004-010	02/18/10 08:20
Interference Check A	0B18004-IFA2	0B18004-011	02/18/10 08:24
Interference Check B	0B18004-IFB1	0B18004-012	02/18/10 08:27
Interference Check B	0B18004-IFB2	0B18004-013	02/18/10 08:31
Calibration Check	0B18004-CCV2	0B18004-014	02/18/10 08:34
Calibration Blank	0B18004-CCB2	0B18004-015	02/18/10 08:37
Blank	1001397-BLK1	0B18004-016	02/18/10 08:41
LCS	1001397-BS1	0B18004-017	02/18/10 08:44
S-SO-56394-CB-012510-129	1002144-01	0B18004-018	02/18/10 08:47
S-SO-56394-CB-012510-129	1002144-01	0B18004-018	02/18/10 08:47
S-SO-56394-CB-012510-129	1002144-01	0B18004-018	02/18/10 08:47
S-SO-56394-CB-012510-129	1002144-01	0B18004-018	02/18/10 08:47
S-SO-56394-CB-012510-129	1002144-01	0B18004-018	02/18/10 08:47
S-SO-56394-CB-012510-133	1002144-02	0B18004-019	02/18/10 08:51
S-SO-56394-CB-012510-133	1002144-02	0B18004-019	02/18/10 08:51
S-SO-56394-CB-012510-133	1002144-02	0B18004-019	02/18/10 08:51
S-SO-56394-CB-012510-133	1002144-02	0B18004-019	02/18/10 08:51
S-SO-56394-CB-012510-133	1002144-02	0B18004-019	02/18/10 08:51
S-SO-56394-CB-012510-137	1002144-03	0B18004-020	02/18/10 08:54
S-SO-56394-CB-012510-137	1002144-03	0B18004-020	02/18/10 08:54
S-SO-56394-CB-012510-137	1002144-03	0B18004-020	02/18/10 08:54
S-SO-56394-CB-012510-137	1002144-03	0B18004-020	02/18/10 08:54
S-SO-56394-CB-012510-137	1002144-03	0B18004-020	02/18/10 08:54

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B18004

SDG: PM012510B
Project: Plainwell Mill
Instrument: 101
Calibration: 0B18013

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012510-144	1002144-04	0B18004-021	02/18/10 08:58
S-SO-56394-CB-012510-144	1002144-04	0B18004-021	02/18/10 08:58
S-SO-56394-CB-012510-144	1002144-04	0B18004-021	02/18/10 08:58
S-SO-56394-CB-012510-144	1002144-04	0B18004-021	02/18/10 08:58
S-SO-56394-CB-012510-144	1002144-04	0B18004-021	02/18/10 08:58
S-SO-56394-DR-012510-1059	1002144-06	0B18004-022	02/18/10 09:01
S-SO-56394-DR-012510-1059	1002144-06	0B18004-022	02/18/10 09:01
S-SO-56394-DR-012510-1059	1002144-06	0B18004-022	02/18/10 09:01
S-SO-56394-DR-012510-1059	1002144-06	0B18004-022	02/18/10 09:01
S-SO-56394-DR-012510-1059	1002144-06	0B18004-022	02/18/10 09:01
S-SO-56394-CB-012510-143	1002144-07	0B18004-023	02/18/10 09:04
S-SO-56394-CB-012510-143	1002144-07	0B18004-023	02/18/10 09:04
S-SO-56394-CB-012510-143	1002144-07	0B18004-023	02/18/10 09:04
S-SO-56394-CB-012510-143	1002144-07	0B18004-023	02/18/10 09:04
S-SO-56394-CB-012510-143	1002144-07	0B18004-023	02/18/10 09:04
S-SO-56394-DR-012510-1063	1002144-08	0B18004-024	02/18/10 09:08
S-SO-56394-DR-012510-1063	1002144-08	0B18004-024	02/18/10 09:08
S-SO-56394-DR-012510-1063	1002144-08	0B18004-024	02/18/10 09:08
S-SO-56394-DR-012510-1063	1002144-08	0B18004-024	02/18/10 09:08
S-SO-56394-DR-012510-1063	1002144-08	0B18004-024	02/18/10 09:08
S-SO-56394-CB-012610-153	1002144-09	0B18004-025	02/18/10 09:11
S-SO-56394-CB-012610-153	1002144-09	0B18004-025	02/18/10 09:11
S-SO-56394-CB-012610-153	1002144-09	0B18004-025	02/18/10 09:11
S-SO-56394-CB-012610-153	1002144-09	0B18004-025	02/18/10 09:11
S-SO-56394-CB-012610-153	1002144-09	0B18004-025	02/18/10 09:11
Calibration Check	0B18004-CCV3	0B18004-026	02/18/10 09:14
Calibration Blank	0B18004-CCB3	0B18004-027	02/18/10 09:17
S-SO-56394-CB-012610-158	1002144-10	0B18004-028	02/18/10 09:21
S-SO-56394-CB-012610-158	1002144-10	0B18004-028	02/18/10 09:21
S-SO-56394-CB-012610-158	1002144-10	0B18004-028	02/18/10 09:21
S-SO-56394-CB-012610-158	1002144-10	0B18004-028	02/18/10 09:21
S-SO-56394-CB-012610-158	1002144-10	0B18004-028	02/18/10 09:21

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B18004

SDG: PM012510B
Project: Plainwell Mill
Instrument: 101
Calibration: 0B18013

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012610-160	1002144-11	0B18004-029	02/18/10 09:24
S-SO-56394-CB-012610-160	1002144-11	0B18004-029	02/18/10 09:24
S-SO-56394-CB-012610-160	1002144-11	0B18004-029	02/18/10 09:24
S-SO-56394-CB-012610-160	1002144-11	0B18004-029	02/18/10 09:24
S-SO-56394-CB-012610-160	1002144-11	0B18004-029	02/18/10 09:24
S-SO-56394-CB-012610-165	1002144-12	0B18004-030	02/18/10 09:28
S-SO-56394-CB-012610-165	1002144-12	0B18004-030	02/18/10 09:28
S-SO-56394-CB-012610-165	1002144-12	0B18004-030	02/18/10 09:28
S-SO-56394-CB-012610-165	1002144-12	0B18004-030	02/18/10 09:28
S-SO-56394-CB-012610-165	1002144-12	0B18004-030	02/18/10 09:28
S-SO-56394-DR-012610-1078	1002144-13	0B18004-031	02/18/10 09:31
S-SO-56394-DR-012610-1078	1002144-13	0B18004-031	02/18/10 09:31
S-SO-56394-DR-012610-1078	1002144-13	0B18004-031	02/18/10 09:31
S-SO-56394-DR-012610-1078	1002144-13	0B18004-031	02/18/10 09:31
S-SO-56394-DR-012610-1078	1002144-13	0B18004-031	02/18/10 09:31
S-SO-56394-DR-012610-1075	1002144-15	0B18004-032	02/18/10 09:34
S-SO-56394-DR-012610-1075	1002144-15	0B18004-032	02/18/10 09:34
S-SO-56394-DR-012610-1075	1002144-15	0B18004-032	02/18/10 09:34
S-SO-56394-DR-012610-1075	1002144-15	0B18004-032	02/18/10 09:34
S-SO-56394-DR-012610-1075	1002144-15	0B18004-032	02/18/10 09:34
S-SO-56394-CB-012610-166	1002144-16	0B18004-033	02/18/10 09:38
S-SO-56394-CB-012610-166	1002144-16	0B18004-033	02/18/10 09:38
S-SO-56394-CB-012610-166	1002144-16	0B18004-033	02/18/10 09:38
S-SO-56394-CB-012610-166	1002144-16	0B18004-033	02/18/10 09:38
S-SO-56394-CB-012610-166	1002144-16	0B18004-033	02/18/10 09:38
S-SO-56394-CB-012710-168	1002144-17	0B18004-034	02/18/10 09:41
S-SO-56394-CB-012710-168	1002144-17	0B18004-034	02/18/10 09:41
S-SO-56394-CB-012710-168	1002144-17	0B18004-034	02/18/10 09:41
S-SO-56394-CB-012710-168	1002144-17	0B18004-034	02/18/10 09:41
S-SO-56394-CB-012710-168	1002144-17	0B18004-034	02/18/10 09:41
SD-SO-56394-CB-012710-168	1002144-18	0B18004-035	02/18/10 09:44
SD-SO-56394-CB-012710-168	1002144-18	0B18004-035	02/18/10 09:44

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B18004

SDG: PM012510B
Project: Plainwell Mill
Instrument: 101
Calibration: 0B18013

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
SD-SO-56394-CB-012710-168	1002144-18	0B18004-035	02/18/10 09:44
SD-SO-56394-CB-012710-168	1002144-18	0B18004-035	02/18/10 09:44
SD-SO-56394-CB-012710-168	1002144-18	0B18004-035	02/18/10 09:44
S-SO-56394-CB-012710-177	1002144-19	0B18004-036	02/18/10 09:48
S-SO-56394-CB-012710-177	1002144-19	0B18004-036	02/18/10 09:48
S-SO-56394-CB-012710-177	1002144-19	0B18004-036	02/18/10 09:48
S-SO-56394-CB-012710-177	1002144-19	0B18004-036	02/18/10 09:48
S-SO-56394-CB-012710-177	1002144-19	0B18004-036	02/18/10 09:48
S-SO-56394-CB-012710-180	1002144-20	0B18004-037	02/18/10 09:51
S-SO-56394-CB-012710-180	1002144-20	0B18004-037	02/18/10 09:51
S-SO-56394-CB-012710-180	1002144-20	0B18004-037	02/18/10 09:51
S-SO-56394-CB-012710-180	1002144-20	0B18004-037	02/18/10 09:51
S-SO-56394-CB-012710-180	1002144-20	0B18004-037	02/18/10 09:51
Calibration Check	0B18004-CCV4	0B18004-038	02/18/10 09:56
Calibration Blank	0B18004-CCB4	0B18004-039	02/18/10 09:59
S-SO-56394-CB-012710-180	1001397-MS1	0B18004-040	02/18/10 10:02
S-SO-56394-CB-012710-180	1001397-MSD1	0B18004-041	02/18/10 10:06
S-SO-56394-CB-012710-180	0B18004-SRD1	0B18004-042	02/18/10 10:09
S-SO-56394-CB-012710-180	1001397-PS1	0B18004-043	02/18/10 10:13
Blank	1001398-BLK1	0B18004-044	02/18/10 10:16
LCS	1001398-BS1	0B18004-045	02/18/10 10:19
S-SO-56394-CB-012710-182	1002144-21	0B18004-046	02/18/10 10:23
S-SO-56394-CB-012710-182	1002144-21	0B18004-046	02/18/10 10:23
S-SO-56394-CB-012710-182	1002144-21	0B18004-046	02/18/10 10:23
S-SO-56394-CB-012710-182	1002144-21	0B18004-046	02/18/10 10:23
S-SO-56394-CB-012710-182	1002144-21	0B18004-046	02/18/10 10:23
S-SO-56394-CB-012710-182	1001398-MS1	0B18004-047	02/18/10 10:26
S-SO-56394-CB-012710-182	1001398-MSD1	0B18004-048	02/18/10 10:30
S-SO-56394-CB-012710-182	0B18004-SRD2	0B18004-049	02/18/10 10:33
Calibration Check	0B18004-CCV5	0B18004-050	02/18/10 10:36
Calibration Blank	0B18004-CCB5	0B18004-051	02/18/10 10:40
S-SO-56394-CB-012710-182	1001398-PS1	0B18004-052	02/18/10 10:43

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B18004

SDG: PM012510B
Project: Plainwell Mill
Instrument: 101
Calibration: 0B18013

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012710-183	1002144-22	0B18004-053	02/18/10 10:47
S-SO-56394-CB-012710-183	1002144-22	0B18004-053	02/18/10 10:47
S-SO-56394-CB-012710-183	1002144-22	0B18004-053	02/18/10 10:47
S-SO-56394-CB-012710-183	1002144-22	0B18004-053	02/18/10 10:47
S-SO-56394-CB-012710-183	1002144-22	0B18004-053	02/18/10 10:47
S-SO-56394-CB-012810-189	1002144-23	0B18004-054	02/18/10 10:50
S-SO-56394-CB-012810-189	1002144-23	0B18004-054	02/18/10 10:50
S-SO-56394-CB-012810-189	1002144-23	0B18004-054	02/18/10 10:50
S-SO-56394-CB-012810-189	1002144-23	0B18004-054	02/18/10 10:50
S-SO-56394-CB-012810-189	1002144-23	0B18004-054	02/18/10 10:50
SD-SO-56394-CB-012810-189	1002144-24	0B18004-055	02/18/10 10:53
SD-SO-56394-CB-012810-189	1002144-24	0B18004-055	02/18/10 10:53
SD-SO-56394-CB-012810-189	1002144-24	0B18004-055	02/18/10 10:53
SD-SO-56394-CB-012810-189	1002144-24	0B18004-055	02/18/10 10:53
SD-SO-56394-CB-012810-189	1002144-24	0B18004-055	02/18/10 10:53
S-SO-56394-CB-012810-190	1002144-25	0B18004-056	02/18/10 10:57
S-SO-56394-CB-012810-190	1002144-25	0B18004-056	02/18/10 10:57
S-SO-56394-CB-012810-190	1002144-25	0B18004-056	02/18/10 10:57
S-SO-56394-CB-012810-190	1002144-25	0B18004-056	02/18/10 10:57
S-SO-56394-CB-012810-190	1002144-25	0B18004-056	02/18/10 10:57
Calibration Check	0B18004-CCV6	0B18004-057	02/18/10 11:00
Calibration Blank	0B18004-CCB6	0B18004-058	02/18/10 11:03

00081

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0C02043

SDG: PM012510B
Project: Plainwell Mill
Instrument: 311
Calibration: 0C03002

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0C02043-CAL1	0C02043-001	03/02/10 12:39
Cal Standard	0C02043-CAL2	0C02043-002	03/02/10 12:43
Cal Standard	0C02043-CAL3	0C02043-003	03/02/10 12:47
Cal Standard	0C02043-CAL4	0C02043-004	03/02/10 12:51
Cal Standard	0C02043-CAL5	0C02043-005	03/02/10 12:55
Secondary Cal Check	0C02043-SCV1	0C02043-006	03/02/10 12:59
Calibration Check	0C02043-CCV1	0C02043-006	03/02/10 12:59
Calibration Blank	0C02043-CCB1	0C02043-007	03/02/10 13:03
Instrument RL Check	0C02043-CRL1	0C02043-008	03/02/10 13:07
Interference Check A	0C02043-IFA1	0C02043-009	03/02/10 13:11
Interference Check A	0C02043-IFA2	0C02043-010	03/02/10 13:17
Interference Check B	0C02043-IFB1	0C02043-011	03/02/10 13:23
Interference Check B	0C02043-IFB2	0C02043-012	03/02/10 13:29
Calibration Check	0C02043-CCV2	0C02043-013	03/02/10 13:35
Calibration Blank	0C02043-CCB2	0C02043-014	03/02/10 13:39
Blank	1001566-BLK1	0C02043-015	03/02/10 13:43
LCS	1001566-BS1	0C02043-016	03/02/10 13:47
S-SO-56394-DR-012510-1069	1002144-05	0C02043-017	03/02/10 13:51
S-SO-56394-DR-012510-1069	1002144-05	0C02043-017	03/02/10 13:51
S-SO-56394-DR-012510-1069	1002144-05	0C02043-017	03/02/10 13:51
S-SO-56394-DR-012510-1069	1002144-05	0C02043-017	03/02/10 13:51
S-SO-56394-DR-012510-1069	1002144-05	0C02043-017	03/02/10 13:51
Calibration Check	0C02043-CCV3	0C02043-018	03/02/10 13:55
Calibration Blank	0C02043-CCB3	0C02043-019	03/02/10 13:59

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B18004
Instrument ID: 101
Control Limt: +/- 10.00%
Calibration: 0B18013

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B18004-CCV1	Aluminum	2500	2510	100	ug/L	02/18/10 08:10
	Barium	500	506	101	ug/L	02/18/10 08:10
	Iron	500	516	103	ug/L	02/18/10 08:10
	Manganese	500	514	103	ug/L	02/18/10 08:10
	Nickel	500	513	103	ug/L	02/18/10 08:10
0B18004-CCV2	Aluminum	2500	2520	101	ug/L	02/18/10 08:34
	Barium	500	502	100	ug/L	02/18/10 08:34
	Iron	500	513	103	ug/L	02/18/10 08:34
	Manganese	500	507	101	ug/L	02/18/10 08:34
	Nickel	500	503	101	ug/L	02/18/10 08:34
0B18004-CCV3	Aluminum	2500	2540	101	ug/L	02/18/10 09:14
	Barium	500	499	100	ug/L	02/18/10 09:14
	Iron	500	508	102	ug/L	02/18/10 09:14
	Manganese	500	502	100	ug/L	02/18/10 09:14
	Nickel	500	499	100	ug/L	02/18/10 09:14
0B18004-CCV4	Aluminum	2500	2510	100	ug/L	02/18/10 09:56
	Barium	500	505	101	ug/L	02/18/10 09:56
	Iron	500	497	99	ug/L	02/18/10 09:56
	Manganese	500	494	99	ug/L	02/18/10 09:56
	Nickel	500	499	100	ug/L	02/18/10 09:56
0B18004-CCV5	Aluminum	2500	2490	100	ug/L	02/18/10 10:36
	Barium	500	506	101	ug/L	02/18/10 10:36
	Iron	500	501	100	ug/L	02/18/10 10:36
	Manganese	500	495	99	ug/L	02/18/10 10:36
	Nickel	500	508	102	ug/L	02/18/10 10:36
0B18004-CCV6	Aluminum	2500	2510	100	ug/L	02/18/10 11:00
	Barium	500	504	101	ug/L	02/18/10 11:00
	Iron	500	503	101	ug/L	02/18/10 11:00
	Manganese	500	499	100	ug/L	02/18/10 11:00
	Nickel	500	509	102	ug/L	02/18/10 11:00

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0C02043
Instrument ID: 311
Control Limt: +/- 10.00%
Calibration: 0C03002

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0C02043-CCV1	Aluminum	2500	2450	98	ug/L	03/02/10 12:59
	Barium	500	499	100	ug/L	03/02/10 12:59
	Iron	500	501	100	ug/L	03/02/10 12:59
	Manganese	500	506	101	ug/L	03/02/10 12:59
	Nickel	500	514	103	ug/L	03/02/10 12:59
0C02043-CCV2	Aluminum	2500	2480	99	ug/L	03/02/10 13:35
	Barium	500	499	100	ug/L	03/02/10 13:35
	Iron	500	501	100	ug/L	03/02/10 13:35
	Manganese	500	502	100	ug/L	03/02/10 13:35
	Nickel	500	505	101	ug/L	03/02/10 13:35
0C02043-CCV3	Aluminum	2500	2480	99	ug/L	03/02/10 13:55
	Barium	500	501	100	ug/L	03/02/10 13:55
	Iron	500	498	100	ug/L	03/02/10 13:55
	Manganese	500	506	101	ug/L	03/02/10 13:55
	Nickel	500	510	102	ug/L	03/02/10 13:55

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. **SDG:** PM012510B

Client: SulTRAC **Project:** Plainwell Mill

Sequence: 0B18004 **Instrument:** 101

Laboratory ID: 0B18004-SCV1 **Calibration:** 0B18013

Analyte	Expected	Found	% R	QC Limit	Units
Aluminum	2500	2510	100	90-110	ug/L
Iron	500	516	103	90-110	ug/L
Manganese	500	514	103	90-110	ug/L
Nickel	500	513	103	90-110	ug/L

* Values outside of QC limits

: 00085

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0C02043
Instrument: 311
Laboratory ID: 0C02043-SCV1
Calibration: 0C03002

Analyte	Expected	Found	% R	QC Limit	Units
Aluminum	2500	2450	98	90-110	ug/L
Barium	500	499	100	90-110	ug/L
Iron	500	501	100	90-110	ug/L
Manganese	500	506	101	90-110	ug/L
Nickel	500	514	103	90-110	ug/L

* Values outside of QC limits

CRDL STANDARD

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B18004

SDG: PM012510B

Project: Plainwell Mill

Instrument ID: 101

Calibration: 0B18013

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B18004-CRL1	Aluminum	100	115	115	ug/L	50 - 150
	Barium	20.0	19.8	99	ug/L	50 - 150
	Iron	20.0	22.3	111	ug/L	50 - 150
	Manganese	20.0	20.4	102	ug/L	50 - 150
	Nickel	20.0	10.7	54	ug/L	50 - 150

* Values outside of QC limits

: 00087

BLANKS
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B18004

SDG: PM012510B
Project: Plainwell Mill
Instrument ID: 101
Calibration: 0B18013

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B18004-CCB1	Aluminum	-25	100	23	ug/L	J	02/18/10 08:13
	Barium	-1.6	10	3.6	ug/L	U	02/18/10 08:13
	Iron	1.1	20	4.2	ug/L	U	02/18/10 08:13
	Manganese	-2.0	20	3.1	ug/L	U	02/18/10 08:13
	Nickel	2.1	10	6.4	ug/L	U	02/18/10 08:13
0B18004-CCB2	Aluminum	-20	100	23	ug/L	U	02/18/10 08:37
	Barium	-1.6	10	3.6	ug/L	U	02/18/10 08:37
	Iron	1.8	20	4.2	ug/L	U	02/18/10 08:37
	Manganese	-1.6	20	3.1	ug/L	U	02/18/10 08:37
	Nickel	-3.1	10	6.4	ug/L	U	02/18/10 08:37
0B18004-CCB3	Aluminum	-16	100	23	ug/L	U	02/18/10 09:17
	Barium	-0.94	10	3.6	ug/L	U	02/18/10 09:17
	Iron	2.5	20	4.2	ug/L	U	02/18/10 09:17
	Manganese	-2.4	20	3.1	ug/L	U	02/18/10 09:17
	Nickel	1.5	10	6.4	ug/L	U	02/18/10 09:17
0B18004-CCB4	Aluminum	-34	100	23	ug/L	J	02/18/10 09:59
	Barium	-1.2	10	3.6	ug/L	U	02/18/10 09:59
	Iron	2.4	20	4.2	ug/L	U	02/18/10 09:59
	Manganese	-2.7	20	3.1	ug/L	U	02/18/10 09:59
	Nickel	-3.0	10	6.4	ug/L	U	02/18/10 09:59
0B18004-CCB5	Aluminum	-11	100	23	ug/L	U	02/18/10 10:40
	Barium	-1.2	10	3.6	ug/L	U	02/18/10 10:40
	Iron	2.7	20	4.2	ug/L	U	02/18/10 10:40
	Manganese	-2.6	20	3.1	ug/L	U	02/18/10 10:40
	Nickel	-9.4	10	6.4	ug/L	J	02/18/10 10:40
0B18004-CCB6	Aluminum	-41	100	23	ug/L	J	02/18/10 11:03
	Barium	-1.2	10	3.6	ug/L	U	02/18/10 11:03
	Iron	2.0	20	4.2	ug/L	U	02/18/10 11:03
	Manganese	-2.8	20	3.1	ug/L	U	02/18/10 11:03
	Nickel	4.7	10	6.4	ug/L	U	02/18/10 11:03

* Values outside of QC limits

BLANKS
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0C02043

SDG: PM012510B
Project: Plainwell Mill
Instrument ID: 311
Calibration: 0C03002

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0C02043-CCB1	Aluminum	-14	100	23	ug/L	U	03/02/10 13:03
	Barium	0.00066	10	3.6	ug/L	U	03/02/10 13:03
	Iron	0.040	20	4.2	ug/L	U	03/02/10 13:03
	Manganese	-0.67	20	3.1	ug/L	U	03/02/10 13:03
	Nickel	-1.6	10	6.4	ug/L	U	03/02/10 13:03
0C02043-CCB2	Aluminum	-17	100	23	ug/L	U	03/02/10 13:39
	Barium	0.066	10	3.6	ug/L	U	03/02/10 13:39
	Iron	0.64	20	4.2	ug/L	U	03/02/10 13:39
	Manganese	-0.36	20	3.1	ug/L	U	03/02/10 13:39
	Nickel	-1.1	10	6.4	ug/L	U	03/02/10 13:39
0C02043-CCB3	Aluminum	-17	100	23	ug/L	U	03/02/10 13:59
	Barium	0.21	10	3.6	ug/L	U	03/02/10 13:59
	Iron	1.3	20	4.2	ug/L	U	03/02/10 13:59
	Manganese	-0.45	20	3.1	ug/L	U	03/02/10 13:59
	Nickel	-2.6	10	6.4	ug/L	U	03/02/10 13:59

* Values outside of QC limits

00089

ICP INTERFERENCE CHECK SAMPLE

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B18004

SDG: PM012510B

Project: Plainwell Mill

Instrument ID: 101

Calibration: 0B18013

Lab Sample ID	Analyte	True	Found	%R	Units
0B18004-IFA1	Aluminum	100000	100000	100	ug/L
	Barium	0.00	-1.91		ug/L
	Iron	40000	39600	99	ug/L
	Manganese	0.00	0.0949		ug/L
	Nickel	0.00	5.62		ug/L
0B18004-IFA2	Aluminum	0.00	66.0		ug/L
	Barium	0.00	-2.20		ug/L
	Iron	0.00	9.38		ug/L
	Manganese	20000	20600	103	ug/L
	Nickel	20000	21000	105	ug/L
0B18004-IFB1	Aluminum	100000	102000	102	ug/L
	Barium	500	457	91	ug/L
	Iron	40000	40400	101	ug/L
	Manganese	500	505	101	ug/L
	Nickel	1000	994	99	ug/L
0B18004-IFB2	Aluminum	1000	1100	110	ug/L
	Manganese	20000	20500	102	ug/L
	Nickel	20000	20800	104	ug/L

* Values outside of QC limits

: 00090

ICP INTERFERENCE CHECK SAMPLE

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0C02043

SDG: PM012510B

Project: Plainwell Mill

Instrument ID: 311

Calibration: 0C03002

Lab Sample ID	Analyte	True	Found	%R	Units
0C02043-IFA1	Aluminum	100000	99300	99	ug/L
	Barium	0.00	0.652		ug/L
	Iron	40000	39300	98	ug/L
	Manganese	0.00	1.61		ug/L
	Nickel	0.00	-0.0540		ug/L
0C02043-IFA2	Aluminum	0.00	57.4		ug/L
	Barium	0.00	0.220		ug/L
	Iron	0.00	-6.00		ug/L
	Manganese	20000	20000	100	ug/L
	Nickel	20000	20700	103	ug/L
0C02043-IFB1	Aluminum	100000	101000	101	ug/L
	Barium	500	458	92	ug/L
	Iron	40000	39900	100	ug/L
	Manganese	500	502	100	ug/L
	Nickel	1000	981	98	ug/L
0C02043-IFB2	Aluminum	1000	1030	103	ug/L
	Manganese	20000	20300	102	ug/L
	Nickel	20000	21000	105	ug/L

* Values outside of QC limits

: 00091

QC BATCH SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510B

Client: SulTRAC Project: Plainwell Mill

QC Batch: 1001397 QC Batch Matrix: Soil Preparation: 3010A SPLP Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1001397-BLK1	02/17/10 07:00	
LCS	1001397-BS1	02/17/10 07:00	
S-SO-56394-CB-012710-180	1001397-MS1	02/17/10 07:00	
S-SO-56394-CB-012710-180	1001397-MSD1	02/17/10 07:00	
S-SO-56394-CB-012710-180	1001397-PS1	02/18/10 07:00	
S-SO-56394-CB-012510-129	1002144-01	02/17/10 07:00	
S-SO-56394-CB-012510-133	1002144-02	02/17/10 07:00	
S-SO-56394-CB-012510-137	1002144-03	02/17/10 07:00	
S-SO-56394-CB-012510-144	1002144-04	02/17/10 07:00	
S-SO-56394-DR-012510-1059	1002144-06	02/17/10 07:00	
S-SO-56394-CB-012510-143	1002144-07	02/17/10 07:00	
S-SO-56394-DR-012510-1063	1002144-08	02/17/10 07:00	
S-SO-56394-CB-012610-153	1002144-09	02/17/10 07:00	
S-SO-56394-CB-012610-158	1002144-10	02/17/10 07:00	
S-SO-56394-CB-012610-160	1002144-11	02/17/10 07:00	
S-SO-56394-CB-012610-165	1002144-12	02/17/10 07:00	
S-SO-56394-DR-012610-1078	1002144-13	02/17/10 07:00	
S-SO-56394-DR-012610-1075	1002144-15	02/17/10 07:00	
S-SO-56394-CB-012610-166	1002144-16	02/17/10 07:00	
S-SO-56394-CB-012710-168	1002144-17	02/17/10 07:00	
SD-SO-56394-CB-012710-168	1002144-18	02/17/10 07:00	
S-SO-56394-CB-012710-177	1002144-19	02/17/10 07:00	
S-SO-56394-CB-012710-180	1002144-20	02/17/10 07:00	

QC BATCH SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B

Client: SulTRAC
Project: Plainwell Mill

QC Batch: 1001398
QC Batch Matrix: Soil
Preparation: 3010A SPLP Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1001398-BLK1	02/17/10 07:00	
LCS	1001398-BS1	02/17/10 07:00	
S-SO-56394-CB-012710-182	1001398-MS1	02/17/10 07:00	
S-SO-56394-CB-012710-182	1001398-MSD1	02/17/10 07:00	
S-SO-56394-CB-012710-182	1001398-PS1	02/18/10 07:00	
S-SO-56394-CB-012710-182	1002144-21	02/17/10 07:00	
S-SO-56394-CB-012710-183	1002144-22	02/17/10 07:00	
S-SO-56394-CB-012810-189	1002144-23	02/17/10 07:00	
SD-SO-56394-CB-012810-189	1002144-24	02/17/10 07:00	
S-SO-56394-CB-012810-190	1002144-25	02/17/10 07:00	

QC BATCH SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B

Client: SulTRAC
Project: Plainwell Mill

QC Batch: 1001566
QC Batch Matrix: Soil
Preparation: 3010A SPLP Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1001566-BLK1	02/23/10 07:30	
LCS	1001566-BS1	02/23/10 07:30	
S-SO-56394-DR-012510-1069	1002144-05	02/23/10 07:30	

00094

METHOD BLANK DATA SHEET
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1001397-BLK1
File ID: 0B18004-016
Prepared: 02/17/10 07:00
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 25 mL
Analyzed: 02/18/10 08:41
Instrument: 101
QC Batch: 1001397
Sequence: 0B18004
Calibration: 0B18013

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7429-90-5	Aluminum, SPLP	0.023	0.10	0.10	mg/L	U
7440-39-3	Barium, SPLP	0.0036	0.010	0.010	mg/L	U
7439-89-6	Iron, SPLP	0.0042	0.020	0.020	mg/L	U
7439-96-5	Manganese, SPLP	0.0031	0.020	0.020	mg/L	U
7440-02-0	Nickel, SPLP	0.0064	0.010	0.010	mg/L	U

METHOD BLANK DATA SHEET
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1001398-BLK1
File ID: 0B18004-044
Prepared: 02/17/10 07:00
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 25 mL
Analyzed: 02/18/10 10:16
Instrument: 101
QC Batch: 1001398
Sequence: 0B18004
Calibration: 0B18013

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7429-90-5	Aluminum, SPLP	0.023	0.10	0.10	mg/L	U
7440-39-3	Barium, SPLP	0.0036	0.010	0.010	mg/L	U
7439-89-6	Iron, SPLP	0.0042	0.020	0.0074	mg/L	J
7439-96-5	Manganese, SPLP	0.0031	0.020	0.020	mg/L	U
7440-02-0	Nickel, SPLP	0.0064	0.010	0.010	mg/L	U

METHOD BLANK DATA SHEET
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1001566-BLK1
File ID: 0C02043-015
Prepared: 02/23/10 07:30
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 25 mL
Analyzed: 03/02/10 13:43
Instrument: 311
QC Batch: 1001566
Sequence: 0C02043
Calibration: 0C03002

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7429-90-5	Aluminum, SPLP	0.023	0.10	0.10	mg/L	U
7440-39-3	Barium, SPLP	0.0036	0.010	0.010	mg/L	U
7439-89-6	Iron, SPLP	0.0042	0.020	0.0059	mg/L	J
7439-96-5	Manganese, SPLP	0.0031	0.020	0.020	mg/L	U
7440-02-0	Nickel, SPLP	0.0064	0.010	0.010	mg/L	U

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6010B

S-SO-56394-CB-012710-180

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 25 mL

Laboratory ID: 1001397-MS1

QC Batch: 1001397

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Aluminum, SPLP	1.25	0.834	1.92	87	75 - 125	mg/L
Barium, SPLP	0.250	0.0235	0.253	92	75 - 125	mg/L
Iron, SPLP	0.250	0.0204	0.247	91	75 - 125	mg/L
Manganese, SPLP	0.250	ND	0.227	91	75 - 125	mg/L
Nickel, SPLP	0.250	ND	0.223	89	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6010B

S-SO-56394-CB-012710-180

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 25 mL

Laboratory ID: 1001397-MSD1

QC Batch: 1001397

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Aluminum, SPLP	1.25	1.87	83	3	20	75 - 125	mg/L
Barium, SPLP	0.250	0.247	90	2	20	75 - 125	mg/L
Iron, SPLP	0.250	0.244	89	1	20	75 - 125	mg/L
Manganese, SPLP	0.250	0.221	88	3	20	75 - 125	mg/L
Nickel, SPLP	0.250	0.226	90	1	20	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-012710-182

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 25 mL

Laboratory ID: 1001398-MS1

QC Batch: 1001398

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Aluminum, SPLP	1.25	0.0462	1.11	85	75 - 125	mg/L
Barium, SPLP	0.250	0.155	0.353	79	75 - 125	mg/L
Iron, SPLP	0.250	0.0505	0.256	82	75 - 125	mg/L
Manganese, SPLP	0.250	ND	0.215	86	75 - 125	mg/L
Nickel, SPLP	0.250	ND	0.215	86	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-012710-182

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 25 mL

Laboratory ID: 1001398-MSD1

QC Batch: 1001398

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Aluminum, SPLP	1.25	1.16	89	5	20	75 - 125	mg/L
Barium, SPLP	0.250	0.363	83	3	20	75 - 125	mg/L
Iron, SPLP	0.250	0.267	86	4	20	75 - 125	mg/L
Manganese, SPLP	0.250	0.224	90	4	20	75 - 125	mg/L
Nickel, SPLP	0.250	0.222	89	3	20	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

: 00101

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010B

S-SO-56394-CB-012710-180

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids:
Laboratory ID: 1001397-PS1
Lab Source ID: 1002144-20

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 4 mL / 4 mL
QC Batch: 1001397
Sequence: 0B18004

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Aluminum, SPLP	80 - 120	2000	834	1250	93	ug/L
Barium, SPLP	80 - 120	265	23.5	250	97	ug/L
Iron, SPLP	80 - 120	261	20.4	250	96	ug/L
Manganese, SPLP	80 - 120	239	-1.65	250	96	ug/L
Nickel, SPLP	80 - 120	240	0.382	250	96	ug/L

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010B

S-SO-56394-CB-012710-182

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids:
Laboratory ID: 1001398-PS1
Lab Source ID: 1002144-21

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 4 mL / 4 mL
QC Batch: 1001398
Sequence: 0B18004

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Aluminum, SPLP	80 - 120	1280	46.2	1250	99	ug/L
Barium, SPLP	80 - 120	399	155	250	97	ug/L
Iron, SPLP	80 - 120	296	50.5	250	98	ug/L
Manganese, SPLP	80 - 120	247	0.948	250	98	ug/L
Nickel, SPLP	80 - 120	247	-1.12	250	99	ug/L

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil

Laboratory ID: 1001397-BS1

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 25 mL
QC Batch: 1001397
Sequence: 0B18004

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Aluminum, SPLP	1.25	1.16	93	80 - 120	mg/L
Barium, SPLP	0.250	0.236	94	80 - 120	mg/L
Iron, SPLP	0.250	0.241	96	80 - 120	mg/L
Manganese, SPLP	0.250	0.237	95	80 - 120	mg/L
Nickel, SPLP	0.250	0.232	93	80 - 120	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil

Laboratory ID: 1001398-BS1

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 25 mL
QC Batch: 1001398
Sequence: 0B18004

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Aluminum, SPLP	1.25	1.19	96	80 - 120	mg/L
Barium, SPLP	0.250	0.244	98	80 - 120	mg/L
Iron, SPLP	0.250	0.244	97	80 - 120	mg/L
Manganese, SPLP	0.250	0.240	96	80 - 120	mg/L
Nickel, SPLP	0.250	0.242	97	80 - 120	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil

Laboratory ID: 1001566-BS1

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 25 mL
QC Batch: 1001566
Sequence: 0C02043

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Aluminum, SPLP	1.25	1.15	92	80 - 120	mg/L
Barium, SPLP	0.250	0.239	95	80 - 120	mg/L
Iron, SPLP	0.250	0.240	96	80 - 120	mg/L
Manganese, SPLP	0.250	0.240	96	80 - 120	mg/L
Nickel, SPLP	0.250	0.241	96	80 - 120	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

SERIAL DILUTION
USEPA-6010B

S-SO-56394-CB-012710-180

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids:
Laboratory ID: 0B18004-SRD1
QC Batch: 0B18004
Lab Source ID: 1002144-20
Sequence: 0B18004

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Aluminum, SPLP	834		724		13.0 #		ug/L	10
Barium, SPLP	23.5		19.2	J	18.0 #		ug/L	10
Iron, SPLP	20.4		37.8	J	85.0 #		ug/L	10
Manganese, SPLP	-1.65	U	-12.6	U	664.0 #		ug/L	10
Nickel, SPLP	0.382	U	-28.3	U	7508.0 #		ug/L	10

* Values outside of QC limits

Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

SERIAL DILUTION
USEPA-6010B

S-SO-56394-CB-012710-182

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids:
Laboratory ID: 0B18004-SRD2
QC Batch: 0B18004
Lab Source ID: 1002144-21
Sequence: 0B18004

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Aluminum, SPLP	46.2	J	-9.12	U	120.0 #		ug/L	10
Barium, SPLP	155		162		5.0 #		ug/L	10
Iron, SPLP	50.5		77.0	J	52.0 #		ug/L	10
Manganese, SPLP	0.948	U	-9.89	U	1143.0 #		ug/L	10
Nickel, SPLP	-1.12	U	15.1	U	1448.0 #		ug/L	10

* Values outside of QC limits

Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510B

Client: SulTRAC

Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012510-129	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012510-129	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012510-129	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012510-129	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012510-129	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012510-133	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012510-133	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012510-133	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012510-133	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012510-133	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012510-137	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012510-137	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012510-137	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012510-137	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012510-137	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012510-144	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012510-144	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012510-144	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012510-144	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012510-144	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-DR-012510-1069	01/25/10	01/28/10	02/15/10	02/23/10	8	NA	03/02/10	15	180	
S-SO-56394-DR-012510-1069	01/25/10	01/28/10	02/15/10	02/23/10	8	NA	03/02/10	15	180	

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510B

Client: SulTRAC Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-DR-012510-1069	01/25/10	01/28/10	02/15/10	02/23/10	8	NA	03/02/10	15	180	
S-SO-56394-DR-012510-1069	01/25/10	01/28/10	02/15/10	02/23/10	8	NA	03/02/10	15	180	
S-SO-56394-DR-012510-1069	01/25/10	01/28/10	02/15/10	02/23/10	8	NA	03/02/10	15	180	
S-SO-56394-DR-012510-1059	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-DR-012510-1059	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-DR-012510-1059	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-DR-012510-1059	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-DR-012510-1059	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012510-143	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012510-143	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012510-143	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012510-143	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012510-143	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-DR-012510-1063	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-DR-012510-1063	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-DR-012510-1063	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-DR-012510-1063	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-DR-012510-1063	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012610-153	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012610-153	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012610-153	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012610-153	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510B

Client: SulTRAC

Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012610-153	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012610-158	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012610-158	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012610-158	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012610-158	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012610-158	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012610-160	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012610-160	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012610-160	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012610-160	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012610-160	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012610-165	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012610-165	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012610-165	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012610-165	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012610-165	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-DR-012610-1078	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-DR-012610-1078	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-DR-012610-1078	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-DR-012610-1078	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-DR-012610-1078	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-DR-012610-1075	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	

: 00111

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510B

Client: SulTRAC Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-DR-012610-1075	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-DR-012610-1075	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-DR-012610-1075	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-DR-012610-1075	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012610-166	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012610-166	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012610-166	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012610-166	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012610-166	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	

00112

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510B

Client: SulTRAC Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012710-177	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	

00113

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510B

Client: SulTRAC

Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
SD-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/18/10	3	180	

: 00114

ICP-AES INTERELEMENT CORRECTION FACTORS
USEPA-6010B/200.7

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510B

Client: SulTRAC

Project: Plainwell Mill

ICP-AES Instrument ID: 101

Date: 10-06-09

Time: 13:24

091115

Analyte	Wavelength (nm)	Interelement Correction Factors For:											
		Al	Ca	Cd	Ce	Co	Cr	Cu	Fe	Mg	Mn	Mo	Ni
Aluminum	396.146	N/A	-0.131226		-9.24802							32.194	
Antimony	217.584				-2.11186		16.1406	-0.197429	-0.914556	-0.139051	-0.515285	3.8092	0.542946
Arsenic	188.979						1.00316	0.228942				2.35372	
Barium	455.403												
Beryllium	234.863	0.00799194					-0.00278193		0.123649			-0.0366754	0.00259808
Boron	249.769								2.70324				0.132351
Cadmium	214.436	0.0861335		N/A			-0.0156581	0.120564	0.0744666	0.0338942		-0.117147	0.483165
Calcium	315.874	-0.0751586	N/A	-0.205015	1.23556	3.0799	0.163052	-0.115143	-0.0953351	-0.129344	-0.41568	2.56482	0.0821439
Chromium	205.563	0.0245235			-0221836		N/A		0.137588		-0.276712	.659638	0.730313
Cobalt	228.616	-0.0290569			0.174911	N/A	0.225942		0.395714	0.0454944	-0.252597	-0.276195	-0.118045
Copper	324.741		-0.106391		0.230713	0.386937		N/A				-0.167773	
Iron	238.204	0.0341092				-1.32526	0.174593		N/A				
Lead	220.353	-0.20469			1.09653	0.54638		0.585844	-0.203738			-2.00925	
Lithium	670.784				0.108851								
Magnesium	279.071	-0.0464679	-0.122982	-0.199725	1.29568	-1.02308	-1.06553	0.0038452	0.64928	N/A	3.93999	0.130855	0.0198641
Manganese	257.610				0.140019						N/A		
Molybdenum	202.031							0.184292				N/A	0.207923
Nickel	231.604				0.159089	1.49082	-0.131624	-0.083765	0.0694863	0.0418102		-4.76678	N/A
Phosphorus	178.226												
Potassium	766.490	-0.0572325	-0.0326169	-0.190184	-0.83375	-0.121864	-0.0730872	0.0383003	-0.214834	0.0667874	-0.0775764	-0.280478	0.0458884
Selenium	196.026				-5.81027	1.47121	0.595995	0.2057		-0.299767	-6.50285		0.468099
Silver	328.068				-3.75581				-0.0252001		0.0996652	-0.0891796	
Silicon	251.611									3.71598		8.59864	
Sodium	589.592	-0.0190672	-0.0471587	-0.448443	-0.249173	-0.332982	0.0258397	0.0750155	-0.0668389	0.0698791	-0.307105	2.24465	0.0776244
Strontium	407.771				-.74796								
Thallium	190.801				1.68986	6.35601	1.39272				-16.8195		
Tin	189.927		-1.55942							-0.457156			
Titanium	334.946						0.337924	0.0378989					
Vanadium	292.395				0.195859		0.348704		0.146754			-14.4715	
Zinc	206.200						0.637498	0.0453936				-0.126987	

ICP-AES INTERELEMENT CORRECTION FACTORS
USEPA-6010B/200.7

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510B

Client: SulTRAC

Project: Plainwell Mill

ICP-AES Instrument ID: 101

Date: 10-6-09

Time: 13:24

Analyte	Wavelength (nm)	Interelement Correction Factors For:											
		Ti	V										
Aluminum	396.146												
Antimony	217.584												
Arsenic	188.979	6.50311											
Barium	455.403	-0.132875											
Beryllium	234.863												
Boron	249.769												
Cadmium	214.436		-0.0688003										
Calcium	315.874	-0.125975	0.00410474										
Chromium	205.563	0.883507	0.0956343										
Cobalt	228.616	1.56448											
Copper	324.741	-0.619906	-0.220574										
Iron	238.204												
Lead	220.353												
Lithium	670.784												
Magnesium	279.071	0.523314	0.454442										
Manganese	257.610												
Molybdenum	202.031		-0.508752										
Nickel	231.604												
Phosphorus	178.226												
Potassium	766.490	-0.173254	-0.0256686										
Selenium	196.026		-0.963081										
Silver	328.068		-1.33488										
Silicon	251.611	47.1127											
Sodium	589.592	-0.38974	-0.062988										
Strontium	407.771												
Thallium	190.801	1.10779	3.63356										
Tin	189.927												
Titanium	334.946	N/A											
Vanadium	292.395	0.776516	N/A										
Zinc	206.200		0.0424952										

09116

ICP-AES INTERELEMENT CORRECTION FACTORS
USEPA-6010B/200.7

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510B

Client: SulTRAC

Project: Plainwell Mill

ICP-AES Instrument ID: 311

Date: 12-14-09

Time: 12:55 PM

Analyte	Wavelength (nm)	Interelement Correction Factors For:											
		Al	Ca	Cd	Ce	Co	Cr	Cu	Fe	Mg	Mn	Mo	Ni
Aluminum	396.146	n\a	-0.227336		-2.48994							17.9508	
Antimony	217.584							-1.45282	-3.00416				-1.90424
Arsenic	188.979				5.09174		2.19224						
Barium	455.403												
Beryllium	234.863	0.00696423							0.336166				
Boron	249.769					3.30937	-1.23095		-0.113012				
Cadmium	214.436	0.0720118						0.0718999	0.18317				0.912412
Calcium	315.874		n\a										
Chromium	205.563						n\a		-0.0615176				0.639461
Cobalt	228.616					n\a	-0.272718		0.0351399				0.263739
Copper	324.741					0.227876		n/a					
Iron	238.204					0.338581	0.232389		n\a	0.0548602	0.475594		
Lead	220.353				1.23155			2.61299					
Lithium	670.784												
Magnesium	279.071									n\a			
Manganese	257.610								-0.0375986		n/a		
Molybdenum	202.031											n/a	
Nickel	231.604				0.125286	1.60158						-1.78427	
Phosphorus	178.226												
Potassium	766.490												
Selenium	196.026				-3.33516				-1.17733				
Silver	328.068		-0.0114149		-4.81682				-0.130382				
Silicon	251.611								-0.256134				
Sodium	589.592												
Strontium	407.771												
Thallium	190.801				-7.39134	-7.39134							
Tin	189.927		-0.218228										
Titanium	334.946												
Vanadium	292.395				0.179046		0.321516		0.18293			-10.6504	
Zinc	206.200	0.0247642					0.403032		0.0566901	0.0267277		-0.735862	

09117

ICP-AES INTERELEMENT CORRECTION FACTORS
USEPA-6010B/200.7

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510B

Client: SulTRAC

Project: Plainwell Mill

ICP-AES Instrument ID: 311

Date: 12-14-09

Time: 12:55PM

69118

Analyte	Wavelength (nm)	Interelement Correction Factors For:											
		Ti	V										
Aluminum	396.146	0.704418											
Antimony	217.584		1.66988										
Arsenic	188.979	6.72865											
Barium	455.403												
Beryllium	234.863												
Boron	249.769	0.702542											
Cadmium	214.436	-0.243047	-0.170012										
Calcium	315.874												
Chromium	205.563												
Cobalt	228.616	2.23794											
Copper	324.741	-0.602575	-0.323612										
Iron	238.204		-0.269921										
Lead	220.353	-0.674766											
Lithium	670.784												
Magnesium	279.071												
Manganese	257.610												
Molybdenum	202.031												
Nickel	231.604												
Phosphorus	178.226												
Potassium	766.490												
Selenium	196.026												
Silver	328.068		-0.222019										
Silicon	251.611	26.1893											
Sodium	589.592												
Strontium	407.771												
Thallium	190.801	-9.51371	-1.7968										
Tin	189.927												
Titanium	334.946	n\a											
Vanadium	292.395	0.631364	n\a										
Zinc	206.200												

ICP-AES LINEAR RANGES
USEPA-6010B/200.7

Laboratory: TriMatrix SDG: PM012510B

Client: SulTRAC Project: Plainwell Mill

ICP-AES Instrument ID: 101

Analyte	Integration Time (sec)	Date Analyzed	Analyst	Concentration (ug/L)
Aluminum	0.2 - 20	3/1/2010	KLV	500,000
Antimony	0.2 - 20	3/1/2010	KLV	200,000
Arsenic	0.2 - 20	3/1/2010	KLV	200,000
Barium	0.2 - 20	3/1/2010	KLV	5,000
Beryllium	0.2 - 20	3/1/2010	KLV	50,000
Boron	0.2 - 20	3/1/2010	KLV	100,000
Cadmium	0.2 - 20	3/1/2010	KLV	100,000
Calcium	0.2 - 20	3/1/2010	KLV	500,000
Chromium	0.2 - 20	3/1/2010	KLV	500,000
Cobalt	0.2 - 20	3/1/2010	KLV	100,000
Copper	0.2 - 20	3/1/2010	KLV	500,000
Iron	0.2 - 20	3/1/2010	KLV	500,000
Lead	0.2 - 20	3/1/2010	KLV	100,000
Lithium	0.2 - 20	3/1/2010	KLV	50,000
Magnesium	0.2 - 20	3/1/2010	KLV	500,000
Manganese	0.2 - 20	3/1/2010	KLV	100,000
Molybdenum	0.2 - 20	3/1/2010	KLV	100,000
Nickel	0.2 - 20	3/1/2010	KLV	500,000
Potassium	0.2 - 20	3/1/2010	KLV	200,000
Selenium	0.2 - 20	3/1/2010	KLV	200,000
Silicon	0.2 - 20	3/1/2010	KLV	20,000
Silver	0.2 - 20	3/1/2010	KLV	5,000
Sodium	0.2 - 20	3/1/2010	KLV	200,000
Strontium	0.2 - 20	3/1/2010	KLV	2,000
Thallium	0.2 - 20	3/1/2010	KLV	100,000
Tin	0.2 - 20	3/1/2010	KLV	200,000
Titanium	0.2 - 20	3/1/2010	KLV	100,000
Vanadium	0.2 - 20	3/1/2010	KLV	500,000
Zinc	0.2 - 20	3/1/2010	KLV	50,000

Comments:

ICP-AES LINEAR RANGES
USEPA-6010B/200.7

Laboratory: TriMatrix SDG: PM012510B

Client: SulTRAC Project: Plainwell Mill

ICP-AES Instrument ID: 311

Analyte	Integration Time (sec)	Date Analyzed	Analyst	Concentration (ug/L)
Aluminum	0.2 - 20	2/1/2010	JMF	500,000
Arsenic	0.2 - 20	2/1/2010	JMF	100,000
Barium	0.2 - 20	2/1/2010	JMF	5,000
Beryllium	0.2 - 20	2/1/2010	JMF	5,000
Boron	0.2 - 20	2/1/2010	JMF	50,000
Cadmium	0.2 - 20	2/1/2010	JMF	20,000
Calcium	0.2 - 20	2/1/2010	JMF	500,000
Chromium	0.2 - 20	2/1/2010	JMF	50,000
Cobalt	0.2 - 20	2/1/2010	JMF	100,000
Copper	0.2 - 20	2/1/2010	JMF	100,000
Iron	0.2 - 20	2/1/2010	JMF	500,000
Lead	0.2 - 20	2/1/2010	JMF	100,000
Lithium	0.2 - 20	2/1/2010	JMF	10,000
Magnesium	0.2 - 20	2/1/2010	JMF	500,000
Manganese	0.2 - 20	2/1/2010	JMF	25,000
Molybdenum	0.2 - 20	2/1/2010	JMF	20,000
Nickel	0.2 - 20	2/1/2010	JMF	100,000
Potassium	0.2 - 20	2/1/2010	JMF	200,000
Selenium	0.2 - 20	2/1/2010	JMF	50,000
Silicon	0.2 - 20	2/1/2010	JMF	40,000
Silver	0.2 - 20	2/1/2010	JMF	5,000
Sodium	0.2 - 20	2/1/2010	JMF	500,000
Strontium	0.2 - 20	2/1/2010	JMF	2,000
Sulfur	0.2-20			
Thallium	0.2 - 20	2/1/2010	JMF	100,000
Tin	0.2 - 20	2/1/2010	JMF	100,000
Titanium	0.2 - 20	2/1/2010	JMF	100,000
Vanadium	0.2 - 20	2/1/2010	JMF	100,000
Zinc	0.2 - 20	2/1/2010	JMF	50,000

Comments:

TriMatrix Laboratories, Inc. SPLP Extraction Worksheet

Client	T&E 145	Saltrac	Saltrac	Saltrac
Sample Number	Spl-1	1002144-01	1002144-02	1002144-03
1.0 Sample Description (Liquid, solid, multi-phasic)		Soil	Soil	Soil

% Solids Determination

- All samples must undergo % solids determination. Only re-use the solids from this section for the fluid determination. Discard any other solids/filtrates from this section!

2.1 Analyst /Date	MAS 12/8/10	MAS 02-15-10	MAS 02-15-10	MAS 02-15-10
2.2	g	g	g	g
2.3	g	g	g	g
Particle Size Reduction (Y/N)	Y (N)	Y (N)	Y (N)	Y (N)
2.4	g	g	g	g
2.5 Actual Sample Weight (100g min.)	g	g	g	g
2.6 Total Volume Filtrate(s)	mL	mL	mL	mL

Label the phases of the same number, A=Aqueous, B=Oil, C=Organic Phase, D= Other Phase. Make sure ALL Lab areas are aware of any Multi-phasic samples!

Phase A: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase B: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase C: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase D: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
2.7 Weight Of Wet Solids (Filter paper wt. + wet solids)	g	g	g	g
2.8 % Wet Solids {(wt. wet solids- wt. filter paper)/ act. samp. wt.} x100	%	%	%	%

- If % wet solids, are >0.5%, but < 100%, then use equation: (100g/ % wet solids) x 100 to determine the actual amount of sample to set up the SPLP in Section 4.3. Also, do the % dry solids to complete all sample records

- If sample is 100% solid, proceed to Section 4.2. If sample is oily and % wet solids are low, then proceed with the % dry solids.

2.9 *Weight of Dry Solids (Wt. of filter paper + dry solids)*	g	g	g	g
- Sample must be dried at 100C +/- 20C for two readings within +/- 1%.				
2.10 % Dry Solids {(wt. dry solids- wt filter paper)/Act. samp. wt. } x100	— %	100 %	100 %	12 %

-If % dry solids are <0.5%, then the filtrate = the SPLP leachate. Sample is 100% liquid. Filter enough sample for all lab areas (see Section 6.3.4 for actual amounts).

-If the sample is oily, the % dry solids are low but not <0.5%, and if there are no "visible " solids on the filter paper, then the oil filtrate = the SPLP leachate (since there is only oil caught in the filter paper.)

Make sure all lab areas receive adequate aliquots of filtrate: Metals-40 mL vial, Prep Lab-40 mL vial. PLEASE, record in Narrative (Section 7) that sample was oily and filtrate=SPLP leachate.

Fluid Determination

3.1 Analyst / Date	MAS 12/16/10	MAS 02-15-10	MAS 02-15-10	MAS 02-15-10
3.2 Particle Size Reduction (Y/N). If No, explain in Narrative, Section 7	Y (N)	Y (N)	Y (N)	Y (N)
3.3 To determine what SPLP fluid to use, follow these guidelines:				
3.3.1 - for samples taken east of the Mississippi River and for wastes/wastewaters, use SPLP fluid #1.				
3.3.2 - for samples taken west of the Mississippi River, use SPLP fluid #2.				
3.3.3 - for samples containing cyanide and for volatiles, use SPLP fluid #3.				
3.3.4 - or check for a client specific fluid request.				
3.4 Record Extraction Fluid Type (1, 2 or 3)	(1) 2 3	(1) 2 3	(1) 2 3	(1) 2 3
3.5	#1&5	#1&5	#1&5	#1&5
3.6 Date Calibrated	2/8/10	02-15-10	02-15-10	02-15-10

00121

TriMatrix Laboratories, Inc.

SPLP Extraction Worksheet

	Sample Number	F/F 145	1007144-01	1007144-02	1007144-03
Sample Size For SPLP Set-up		100 2/18/10			
4.1	For 100% solid sample, weight used (100 g minimum)	~~200~~ — g	100.0 g	100.0 g	100.0 g
4.2	If % solids were >0.5% and <100%, then record:				
4.2.1	Adjusted amount of sample to yield 100g (from Section 2.)	g	g	g	g
4.2.2	Actual weight of sample (sample - weight of filter papers)	g	g	g	g
4.2.3	Total Amount of Miscible Filtrate(s) (from Section 2.6.)	mL	mL	mL	mL
4.3	For 100% liquid sample, record filtrate volumes for all lab areas in Section 6.3.4	ml	ml	ml	ml
4.4	Particle Size Reduction (Y/N)	Y (N)	Y (N)	Y (N)	Y (N)
Amount of Extraction Fluid (added by weight) For SPLP Set-up.					
5.1	Extraction Fluid (1, 2 or 3) and Batch I.D.	EF 1 145	EF SPLP I 146	EF I 146	EF I 146
5.2	pH of Extraction Fluid	pH 4.24	pH 4.15	pH 4.15	pH 4.15
5.3	20 x Actual solid weight (from Section 4.1 or 4.2.2)	2000.0 g	2000.0 g	2000.0 g	2000.0 g
SPLP Extraction Record					
6.1	Analyst @ set-up/ Date (MM-DD-YY)	MAS 12/18/10	MAS 12/15/10	MAS 12/15/10	MAS 12/15/10
6.1.1	Initial Temperature @ set-up (23+/- 2 C)	22 C	23 C	23 C	23 C
6.1.2	Tumbler I.D. / RPM (30+/-2 RPM)	#3 @ 32	#2 @ 32	#2 @ 32	#2 @ 32
6.2	*Tumbling Times*				
6.2.1	Time started	1:30pm	1:50pm	1:50pm	1:50pm
6.2.2	Time completed	6:30 Am	6:00 Am	6:00 Am	6:00 Am
6.3	Analyst @ completion/ Date (MM-DD-YY)	MAS 12/19/10	MAS 12/16/10	MAS 12/16/10	MAS 12/16/10
6.3.1	Final Temperature @ completion (23+/-2 C)	21 23 C	23 25 C	23 25 C	23 25 C
6.3.2	Initial miscible phase added back to filtered leachate(Y/N). If N, explain in section 7.0	Y (N)	Y (N)	Y (N)	Y (N)
6.3.3	Final pH of leachate (Not preserved)	4.22	8.38	8.13	8.83
6.3.3.1	pH meter I.D.	#18.5	#185	#18.5	#185
6.3.3.2		RDB 12/19/10	RDB 12/16/10	RDB 12/16/10	RDB 12/16/10
6.3.4	Final Volume of Leachate Collected (mL)	2000.0 mL	2000.0 mL	2000.0 mL	2000.0 mL
6.3.4.1	Metals Lab (normal aliquot =1L ; min aliquot =200 mL)	500.0 mL	500.0 mL	500.0 mL	500.0 mL
6.3.4.2	Prep Lab (normal aliquot=500 mL to 1L ; min aliquot = 500mL)	mL	mL	mL	mL
6.3.4.3	Inorganic Lab (Check with Supervisor for aliquot amount)	mL	mL	mL	mL
6.3.5	Volume of non-miscible phase collected (see Section 2.6)	mL	mL	mL	mL
6.3.5.1	Metals Lab (normal aliquot= 20 mL)	mL	mL	mL	mL
6.3.5.2	Prep Lab (normal aliquot = 40 mL)	mL	mL	mL	mL
6.3.5.3	Inorganic Lab (Check with Supervisor for aliquot amount)	mL	mL	mL	mL
6.3.6	Metals Only:				
6.3.6.1	Analyst/ Date	RDB 12/19/10	RDB 12/16/10	RDB 12/16/10	RDB 12/16/10
6.3.6.2	Metals spikes used, please list				
6.3.6.3	Preservation (pH < 2), Record actual pH	pH —	pH 0.74	pH 0.88	pH 0.91

7.0 **Narratives/ Comments:**

00122

TriMatrix Laboratories, Inc.

SPLP Extraction Worksheet

Client	Subtrac	Subtrac	Subtrac	Subtrac
Sample Number	1002144-04	1002144-05	1002144-06	1002144-07
1.0 Sample Description (Liquid, solid, multi-phasic)	Soil	Soil	Soil	Soil

% Solids Determination

- All samples must undergo % solids determination. Only re-use the solids from this section for the fluid determination. Discard any other solids/filtrates from this section!

2.1 Analyst /Date	MAS 10-15-10	MAS 10-15-10	MAS 10-15-10	MAS 10-15-10
2.2	g	g	g	g
2.3	g	g	g	g
Particle Size Reduction (Y/N)	Y (N)	Y (N)	Y (N)	Y (N)
2.4	g	g	g	g
2.5 Actual Sample Weight (100g min.)	g	g	g	g
2.6 Total Volume Filtrate(s)	mL	mL	mL	mL

Label the phases of the same number, A=Aqueous, B=Oil, C=Organic Phase, D= Other Phase. Make sure ALL Lab areas are aware of any Multi-phasic samples!

Phase A: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase B: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase C: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase D: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
2.7 Weight Of Wet Solids (Filter paper wt. + wet solids)	g	g	g	g
2.8 % Wet Solids [(wt. wet solids- wt. filter paper)/ act. samp. wt.] x100	%	%	%	%

- If % wet solids, are >0.5%, but < 100%, then use equation: (100g/ % wet solids) x 100 to determine the actual amount of sample to set up the SPLP in Section 4.3. Also, do the % dry solids to complete all sample records
- If sample is 100% solid, proceed to Section 4.2. If sample is oily and % wet solids are low, then proceed with the % dry solids.

2.9 Weight of Dry Solids (Wt. of filter paper + dry solids)	g	g	g	g
- Sample must be dried at 100C +/- 20C for two readings within +/- 1%.				
2.10 % Dry Solids [(wt. dry solids- wt filter paper)/Act. samp. wt.] x100	100 %	100 %	100 %	100 %

-If % dry solids are <0.5%, then the filtrate = the SPLP leachate. Sample is 100% liquid. Filter enough sample for all lab areas (see Section 6.3.4 for actual amounts).

-If the sample is oily, the % dry solids are low but not <0.5%, and if there are no "visible " solids on the filter paper, then the oil filtrate = the SPLP leachate (since there is only oil caught in the filter paper.)

Make sure all lab areas receive adequate aliquots of filtrate: Metals-40 mL vial, Prep Lab-40 mL vial. PLEASE, record in Narrative (Section 7) that sample was oily and filtrate=SPLP leachate.

Fluid Determination

3.1 Analyst / Date	MAS 10-15-10	MAS 10-15-10	MAS 10-15-10	MAS 10-15-10
3.2 Particle Size Reduction (Y/N). If No, explain in Narrative, Section 7	Y (N)	Y (N)	Y (N)	Y (N)
3.3 To determine what SPLP fluid to use, follow these guidelines:				
3.3.1 - for samples taken east of the Mississippi River and for wastes/wastewaters, use SPLP fluid #1.				
3.3.2 - for samples taken west of the Mississippi River, use SPLP fluid #2.				
3.3.3 - for samples containing cyanide and for volatiles, use SPLP fluid #3.				
3.3.4 - or check for a client specific fluid request.				
3.4 Record Extraction Fluid Type (1, 2 or 3)	(1) 2 3	(1) 2 3	(1) 2 3	(1) 2 3
3.5	#1 BS	#1 BS	#1 BS	#1 BS
3.6 Date Calibrated	02-15-10	02-15-10	02-15-10	02-15-10

TriMatrix Laboratories, Inc. SPLP Extraction Worksheet

Sample Number	1007144-04	1007144-05	1007144-06	1007144-07
Sample Size For SPLP Set-up				
4.1 For 100% solid sample, weight used (100 g minimum)	100.0 g	100.0g	100.0g	100.0g
4.2 If % solids were >0.5% and <100%, then record:				
4.2.1 Adjusted amount of sample to yield 100g (from Section 2.)	g	g	g	g
4.2.2 Actual weight of sample (sample - weight of filter papers)	g	g	g	g
4.2.3 Total Amount of Miscible Filtrate(s) (from Section 2.6.)	mL	mL	mL	mL
4.3 For 100% liquid sample, record filtrate volumes for all lab areas in Section 6.3.4	ml	ml	ml	ml
4.4 Particle Size Reduction (Y/N).	Y (N)	Y (N)	Y (N)	Y (N)
Amount of Extraction Fluid (added by weight) For SPLP Set-up.				
5.1 Extraction Fluid (1, 2 or 3) and Batch I.D.	EF I146	EF I146	EF I146	EF I146
5.2 pH of Extraction Fluid	pH 4.15	pH 4.15	pH 4.15	pH 4.15
5.3 20 x Actual solid weight (from Section 4.1 or 4.2.2).	2000.0 g	2000.0g	2000.0 g	2000.0g
SPLP Extraction Record				
6.1 Analyst @ set-up/ Date (MM-DD-YY)	MAS 12/15/10	MAS 12/15/10	MAS 12/15/10	MAS 12/15/10
6.1.1 Initial Temperature @ set-up (23+/- 2 C)	23 C	23 C	23 C	23 C
6.1.2 Tumbler I.D. / RPM (30+/-2 RPM)	#2 @ 32	#2 @ 32	#2 @ 32	#2 @ 32
6.2 Tumbling Times				
6.2.1 Time started	1:50pm	1:50pm	1:50pm	1:50pm
6.2.2 Time completed	6:00Am	6:00Am	6:00Am	6:00Am
6.3 Analyst @ completion/ Date (MM-DD-YY)	MAS 12/16/10	MAS 12/16/10	MAS 12/16/10	MAS 12/16/10
6.3.1 Final Temperature @ completion (23+/-2 C)	23 25 C	23 25 C	23 25 C	23 25 C
6.3.2 Initial miscible phase added back to filtered leachate(Y/N). If N, explain in section 7.0	Y (N)	Y (N)	Y (N)	Y (N)
6.3.3 Final pH of leachate (Not preserved)	8.34	7.37	9.30	9.12
6.3.3.1 pH meter I.D.	#185	#185	#185	#185
6.3.3.2	RDB 12/16/10	RDB 12/16/10	RDB 12/16/10	RDB 12/16/10
6.3.4 Final Volume of Leachate Collected (mL)	2000.0 mL	2000.0 mL	2000.0 mL	2000.0 mL
6.3.4.1 Metals Lab (normal aliquot =1L ; min aliquot =200 mL)	500.0 mL	500.0 mL	500.0 mL	500.0 mL
6.3.4.2 Prep Lab (normal aliquot=500 mL to 1L ; min aliquot = 500mL)	mL	mL	mL	mL
6.3.4.3 Inorganic Lab (Check with Supervisor for aliquot amount)	mL	mL	mL	mL
6.3.5 Volume of non-miscible phase collected (see Section 2.6)	mL	mL	mL	mL
6.3.5.1 Metals Lab (normal aliquot= 20 mL)	mL	mL	mL	mL
6.3.5.2 Prep Lab (normal aliquot = 40 mL)	mL	mL	mL	mL
6.3.5.3 Inorganic Lab (Check with Supervisor for aliquot amount)	mL	mL	mL	mL
6.3.6 Metals Only:				
6.3.6.1 Analyst/ Date	RDB 12/16/10	RDB 12/16/10	RDB 12/16/10	RDB 12/16/10
6.3.6.2 Metals spikes used, please list				
6.3.6.3 Preservation (pH < 2), Record actual pH	pH 9.5	pH 0.74	pH 1.20	pH 1.03

7.0 **Narratives/ Comments:**

00124

TriMatrix Laboratories, Inc.

SPLP Extraction Worksheet

00125

Client	Sealtrac	Sealtrac	Sealtrac	Sealtrac
Sample Number	1002144-08	1002144-09	1002144-10	1002144-11
1.0 Sample Description (Liquid, solid, multi-phasic)	Soil	Soil	Soil	Soil

% Solids Determination

- All samples must undergo % solids determination. Only re-use the solids from this section for the fluid determination. Discard any other solids/filtrates from this section!

2.1 Analyst /Date	MAS 10-15-10	MAS 10-15-10	MAS 10-15-10	MAS 10-15-10
2.2	g	g	g	g
2.3	g	g	g	g
Particle Size Reduction (Y/N)	Y (N)	Y (N)	Y (N)	Y (N)
2.4	g	g	g	g
2.5 Actual Sample Weight (100g min.)	g	g	g	g
2.6 Total Volume Filtrate(s)	mL	mL	mL	mL

Label the phases of the same number, A=Aqueous, B=Oil, C=Organic Phase, D= Other Phase. Make sure ALL Lab areas are aware of any Multi-phasic samples!

Phase A: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase B: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase C: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase D: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
2.7 Weight Of Wet Solids (Filter paper wt. + wet solids)	g	g	g	g
2.8 % Wet Solids {(wt. wet solids- wt. filter paper)/ act. samp. wt.} x100	%	%	%	%

- If % wet solids, are >0.5%, but < 100%, then use equation: (100g/ % wet solids) x 100 to determine the actual amount of sample to set up the SPLP in Section 4.3. Also, do the % dry solids to complete all sample records

- If sample is 100% solid, proceed to Section 4.2. If sample is oily and % wet solids are low, then proceed with the % dry solids.

2.9 Weight of Dry Solids (Wt. of filter paper + dry solids)	g	g	g	g
- Sample must be dried at 100C +/- 20C for two readings within +/- 1%.				
2.10 % Dry Solids {(wt. dry solids- wt filter paper)/Act. samp. wt. } x100	100 %	100 %	100 %	100 %

-If % dry solids are <0.5%, then the filtrate = the SPLP leachate. Sample is 100% liquid. Filter enough sample for all lab areas (see Section 6.3.4 for actual amounts).

-If the sample is oily, the % dry solids are low but not <0.5%, and if there are no "visible " solids on the filter paper, then the oil filtrate = the SPLP leachate (since there is only oil caught in the filter paper.)

Make sure all lab areas receive adequate aliquots of filtrate: Metals-40 mL vial, Prep Lab-40 mL vial. PLEASE, record in Narrative (Section 7) that sample was oily and filtrate=SPLP leachate.

Fluid Determination

3.1 Analyst / Date	MAS 10-15-10	MAS 10-15-10	MAS 10-15-10	MAS 10-15-10
3.2 Particle Size Reduction (Y/N). If No, explain in Narrative, Section 7	Y (N)	Y / N	Y (N)	Y (N)
3.3 To determine what SPLP fluid to use, follow these guidelines:				
3.3.1 - for samples taken east of the Mississippi River and for wastes/wastewaters, use SPLP fluid #1.				
3.3.2 - for samples taken west of the Mississippi River, use SPLP fluid #2.				
3.3.3 - for samples containing cyanide and for volatiles, use SPLP fluid #3.				
3.3.4 - or check for a client specific fluid request.				
3.4 Record Extraction Fluid Type (1, 2 or 3)	(1) 2 3	(1) 2 3	(1) 2 3	(1) 2 3
3.5	#1	#1	#1	#1
3.6 Date Calibrated	10-15-10	10-15-10	10-15-10	10-15-10

TriMatrix Laboratories, Inc. SPLP Extraction Worksheet

		Sample Number	1002144-08	1002144 09	1002144-10	1002144-11
Sample Size For SPLP Set-up						
4.1	For 100% solid sample, weight used (100 g minimum)		100.0 g	100.0 g	100.0 g	100. g
4.2	If % solids were >0.5% and <100%, then record:					
4.2.1	Adjusted amount of sample to yield 100g (from Section 2.)		g	g	g	g
4.2.2	Actual weight of sample (sample - weight of filter papers)		g	g	g	g
4.2.3	Total Amount of Miscible Filtrate(s) (from Section 2.6.)		mL	mL	mL	mL
4.3	For 100% liquid sample, record filtrate volumes for all lab areas in Section 6.3.4		ml	ml	ml	ml
4.4	Particle Size Reduction (Y/N)		Y (N)	Y (N)	Y (N)	Y (N)
Amount of Extraction Fluid (added by weight) For SPLP Set-up.						
5.1	Extraction Fluid (1, 2 or 3) and Batch I.D.		EF I 146	EF I 146	EF I 146	EF I 146
5.2	pH of Extraction Fluid		pH 4.15	pH 4.15	pH 4.15	pH 4.15
5.3	20 x Actual solid weight (from Section 4.1 or 4.2.2)		2000.0 g	2000.0 g	2000.0 g	2000.0 g
SPLP Extraction Record						
6.1	Analyst @ set-up/ Date (MM-DD-YY)		MAS 12/15/10	MAS 12/15/10	MAS 12/15/10	MAS 12/15/10
6.1.1	Initial Temperature @ set-up (23+/- 2 C)		23 C	23 C	23 C	23 C
6.1.2	Tumbler I.D. / RPM (30+/-2 RPM)		#2 @ 32	#3 @ 32	#3 @ 32	#3 @ 32
6.2	Tumbling Times					
6.2.1	Time started		1:50pm	1:50pm	1:50pm	1:50pm
6.2.2	Time completed		6:00Am	6:00Am	6:00Am	6:00Am
6.3	Analyst @ completion/ Date (MM-DD-YY)		MAS 12/16/10	MAS 12/16/10	MAS 12/16/10	MAS 12/16/10
6.3.1	Final Temperature @ completion (23+/-2 C)		23 25 C	23 25 C	23 25 C	23 25 C
6.3.2	Initial miscible phase added back to filtered leachate(Y/N). If N, explain in section 7.0		Y (N)	Y (N)	Y (N)	Y (N)
6.3.3	Final pH of leachate (Not preserved)		8.01	9.05	9.32	8.59
6.3.3.1	pH meter I.D.		#185	#185	#185	#185
6.3.3.2			RDB 12/16/10	RDB 12/16/10	RDB 12/16/10	RDB 12/16/10
6.3.4	Final Volume of Leachate Collected (mL)		2000.0 mL	2000.0 mL	2000.0 mL	2000.0 mL
6.3.4.1	Metals Lab (normal aliquot =1L ; min aliquot =200 mL)		500.0 mL	500.0 mL	500.0 mL	500.0 mL
6.3.4.2	Prep Lab (normal aliquot=500 mL to 1L ; min aliquot = 500mL)		mL	mL	mL	mL
6.3.4.3	Inorganic Lab (Check with Supervisor for aliquot amount)		mL	mL	mL	mL
6.3.5	Volume of non-miscible phase collected (see Section 2.6)		mL	mL	mL	mL
6.3.5.1	Metals Lab (normal aliquot= 20 mL)		mL	mL	mL	mL
6.3.5.2	Prep Lab (normal aliquot = 40 mL)		mL	mL	mL	mL
6.3.5.3	Inorganic Lab (Check with Supervisor for aliquot amount)		mL	mL	mL	mL
6.3.6	Metals Only:					
6.3.6.1	Analyst/ Date		RDB 12/16/10	RDB 12/16/10	RDB 12/16/10	RDB 12/16/10
6.3.6.2	Metals spikes used, please list					
6.3.6.3	Preservation (pH < 2), Record actual pH		pH 0.83	pH 0.70	pH 0.59	pH 0.76

7.0 **Narratives/ Comments:**

90125

TriMatrix Laboratories, Inc. SPLP Extraction Worksheet

09127

Client	Subtrac	Subtrac	Subtrac	Subtrac
Sample Number	1002144-12	1002144-13	1002144-15	1002144-16
1.0 Sample Description (Liquid, solid, multi-phasic)	Soil	Soil	Soil	Soil

% Solids Determination

- All samples must undergo % solids determination. Only re-use the solids from this section for the fluid determination. Discard any other solids/filtrates from this section!

2.1 Analyst /Date	MAS 02-15-10	MAS 02-15-10	MAS 02-15-10	MAS 02-15-10
2.2	g	g	g	g
2.3	g	g	g	g
Particle Size Reduction (Y/N)	Y (N)	Y (N)	Y (N)	Y (N)
2.4	g	g	g	g
2.5 Actual Sample Weight (100g min.)	g	g	g	g
2.6 Total Volume Filtrate(s)	mL	mL	mL	mL

Label the phases of the same number, A=Aqueous, B=Oil, C=Organic Phase, D= Other Phase. Make sure ALL Lab areas are aware of any Multi-phasic samples!

Phase A: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase B: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase C: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase D: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
2.7 Weight Of Wet Solids (Filter paper wt. + wet solids)	g	g	g	g
2.8 % Wet Solids {(wt. wet solids- wt. filter paper)/ act. samp. wt.} x100	%	%	%	%

- If % wet solids, are >0.5%, but < 100%, then use equation: (100g/ % wet solids) x 100 to determine the actual amount of sample to set up the SPLP in Section 4.3. Also, do the % dry solids to complete all sample records

- If sample is 100% solid, proceed to Section 4.2. If sample is oily and % wet solids are low, then proceed with the % dry solids.

2.9 Weight of Dry Solids (Wt. of filter paper + dry solids)	g	g	g	g
- Sample must be dried at 100C +/- 20C for two readings within +/- 1%.				
2.10 % Dry Solids {(wt. dry solids- wt filter paper)/Act. samp. wt. } x100	100 %	100 %	100 %	100 %

-If % dry solids are <0.5%, then the filtrate = the SPLP leachate. Sample is 100% liquid. Filter enough sample for all lab areas (see Section 6.3.4 for actual amounts).

-If the sample is oily, the % dry solids are low but not <0.5%, and if there are no "visible " solids on the filter paper, then the oil filtrate = the SPLP leachate (since there is only oil caught in the filter paper.)

Make sure all lab areas receive adequate aliquots of filtrate: Metals-40 mL vial, Prep Lab-40 mL vial. PLEASE, record in Narrative (Section 7) that sample was oily and filtrate=SPLP leachate.

Fluid Determination

3.1 Analyst / Date	MAS 02-15-10	MAS 02-15-10	MAS 02-15-10	MAS 02-15-10
3.2 Particle Size Reduction (Y/N). If No, explain in Narrative, Section 7	Y (N)	Y (N)	Y (N)	Y (N)
3.3 To determine what SPLP fluid to use, follow these guidelines:				
3.3.1 - for samples taken east of the Mississippi River and for wastes/wastewaters, use SPLP fluid #1.				
3.3.2 - for samples taken west of the Mississippi River, use SPLP fluid #2.				
3.3.3 - for samples containing cyanide and for volatiles, use SPLP fluid #3.				
3.3.4 - or check for a client specific fluid request.				
3.4 Record Extraction Fluid Type (1, 2 or 3)	(1) 2 3	(1) 2 3	(1) 2 3	(1) 2 3
3.5	#1 85	#1 85	#1 85	#1 85
3.6 Date Calibrated	02-15-10	02-15-10	02-15-10	02-15-10

TriMatrix Laboratories, Inc.

SPLP Extraction Worksheet

	Sample Number	1007144-12	1007144-13	1007144-15	1007144-16
Sample Size For SPLP Set-up					
4.1	For 100% solid sample, weight used (100 g minimum)	100.0 g	100.0 g	100.0 g	100. g
4.2	If % solids were >0.5% and <100%, then record:				
4.2.1	Adjusted amount of sample to yield 100g (from Section 2.)	g	g	g	g
4.2.2	Actual weight of sample (sample - weight of filter papers)	g	g	g	g
4.2.3	Total Amount of Miscible Filtrate(s) (from Section 2.6.)	mL	mL	mL	mL
4.3	For 100% liquid sample, record filtrate volumes for all lab areas in Section 6.3.4	ml	ml	ml	ml
4.4	Particle Size Reduction (Y/N).	Y (N)	Y (N)	Y (N)	Y (N)
Amount of Extraction Fluid (added by weight) For SPLP Set-up.					
5.1	Extraction Fluid (1, 2 or 3) and Batch I.D.	EF I 146	EF I 146	EF I 146	EF I 146
5.2	pH of Extraction Fluid	pH 4.15	pH 4.15	pH 4.15	pH 4.15
5.3	20 x Actual solid weight (from Section 4.1 or 4.2.2).	2000.0 g	2000.0 g	2000.0 g	2000.0 g
SPLP Extraction Record					
6.1	Analyst @ set-up/ Date (MM-DD-YY)	MAS 12/15/10	MAS 12/15/10	MAS 12/15/10	MAS 12/15/10
6.1.1	Initial Temperature @ set-up (23+/- 2 C)	23 C	23 C	23 C	23 C
6.1.2	Tumbler I.D. / RPM (30+/-2 RPM)	#3 @ 32	#3 @ 32	#3 @ 32	#4 @ 32
6.2	Tumbling Times				
6.2.1	Time started	1:50 pm	1:50 pm	1:50 pm	1:50 pm
6.2.2	Time completed	6:00 Am	6:00 Am	6:00 Am	6:00 Am
6.3	Analyst @ completion/ Date (MM-DD-YY)	MAS 12/16/10	MAS 12/16/10	MAS 12/16/10	MAS 12/16/10
6.3.1	Final Temperature @ completion (23+/-2 C)	23 25 C	23 25 C	23 25 C	23 25 C
6.3.2	Initial miscible phase added back to filtered leachate(Y/N). If N, explain in section 7.0.	Y (N)	Y (N)	Y (N)	Y (N)
6.3.3	Final pH of leachate (Not preserved)	9.24	7.75	9.22	9.28
6.3.3.1	pH meter I.D.	#185	#185	#185	#185
6.3.3.2		RDS 12/16/10	RDS 12/16/10	RDS 12/16/10	RDS 12/16/10
6.3.4	Final Volume of Leachate Collected (mL)	2000.0 mL	2000.0 mL	2000.0 mL	2000.0 mL
6.3.4.1	Metals Lab (normal aliquot =1L ; min aliquot =200 mL)	500.0 mL	500.0 mL	500.0 mL	500.0 mL
6.3.4.2	Prep Lab (normal aliquot=500 mL to 1L ; min aliquot = 500mL)	mL	mL	mL	mL
6.3.4.3	Inorganic Lab (Check with Supervisor for aliquot amount)	mL	mL	mL	mL
6.3.5	Volume of non-miscible phase collected (see Section 2.6)	mL	mL	mL	mL
6.3.5.1	Metals Lab (normal aliquot= 20 mL)	mL	mL	mL	mL
6.3.5.2	Prep Lab (normal aliquot = 40 mL)	mL	mL	mL	mL
6.3.5.3	Inorganic Lab (Check with Supervisor for aliquot amount)	mL	mL	mL	mL
6.3.6	Metals Only:				
6.3.6.1	Analyst/ Date	RDS 12/16/10	RDS 12/16/10	RDS 12/16/10	RDS 12/16/10
6.3.6.2	Metals spikes used, please list				
6.3.6.3	Preservation (pH < 2), Record actual pH	pH 0.95	pH 0.90	pH 0.91	pH 0.92

7.0 **Narratives/ Comments:**

00128

TriMatrix Laboratories, Inc. SPLP Extraction Worksheet

90129

	Client	Seltrac	Seltrac	Seltrac	Seltrac
	Sample Number	1002144 -17	1002144 -18	1002144 19	1002144 20
1.0	Sample Description (Liquid, solid, multi-phasic)	Soil	Soil	Soil	Soil

% Solids Determination

- All samples must undergo % solids determination. Only re-use the solids from this section for the fluid determination. Discard any other solids/filtrates from this section!

2.1	Analyst /Date	MAS 10-15-10	MAS 10-15-10	MAS 10-15-10	MAS 10-15-10
2.2		g	g	g	g
2.3		g	g	g	g
	Particle Size Reduction (Y/N)	Y (N)	Y (N)	Y (N)	Y (N)
2.4		g	g	g	g
2.5	Actual Sample Weight (100g min.)	g	g	g	g
2.6	Total Volume Filtrate(s)	mL	mL	mL	mL
	Label the phases of the same number, A=Aqueous, B=Oil, C=Organic Phase, D= Other Phase. Make sure ALL Lab areas are aware of any Multi-phasic samples!				
	Phase A: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
	Phase B: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
	Phase C: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
	Phase D: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
2.7	Weight Of Wet Solids (Filter paper wt. + wet solids)	g	g	g	g
2.8	% Wet Solids {(wt. wet solids- wt. filter paper)/ act. samp. wt.} x100	%	%	%	%

- If % wet solids, are >0.5%, but < 100%, then use equation: (100g/ % wet solids) x 100 to determine the actual amount of sample to set up the SPLP in Section 4.3. Also, do the % dry solids to complete all sample records
- If sample is 100% solid, proceed to Section 4.2. If sample is oily and % wet solids are low, then proceed with the % dry solids.

2.9	Weight of Dry Solids (Wt. of filter paper + dry solids)	g	g	g	g
	- Sample must be dried at 100C +/- 20C for two readings within +/- 1%.				
2.10	% Dry Solids {(wt. dry solids- wt filter paper)/Act. samp. wt. } x100	100 %	100 %	100 %	100 %

-If % dry solids are <0.5%, then the filtrate = the SPLP leachate. Sample is 100% liquid. Filter enough sample for all lab areas (see Section 6.3.4 for actual amounts).

-If the sample is oily, the % dry solids are low but not <0.5%, and if there are no "visible " solids on the filter paper, then the oil filtrate = the SPLP leachate (since there is only oil caught in the filter paper.)

Make sure all lab areas receive adequate aliquots of filtrate: Metals-40 mL vial, Prep Lab-40 mL vial. PLEASE, record in Narrative (Section 7) that sample was oily and filtrate=SPLP leachate.

Fluid Determination

3.1	Analyst / Date	MAS 10-15-10	MAS 10-15-10	MAS 10-15-10	MAS 10-15-10
3.2	Particle Size Reduction (Y/N). If No, explain in Narrative, Section 7	Y N	Y N	Y N	Y N
3.3	To determine what SPLP fluid to use, follow these guidelines:				
	3.3.1 - for samples taken east of the Mississippi River and for wastes/wastewaters, use SPLP fluid #1.				
	3.3.2 - for samples taken west of the Mississippi River, use SPLP fluid #2.				
	3.3.3 - for samples containing cyanide and for volatiles, use SPLP fluid #3.				
	3.3.4 - or check for a client specific fluid request.				
3.4	Record Extraction Fluid Type (1, 2 or 3)	(1) 2 3	(1) 2 3	(1) 2 3	(1) 2 3
3.5		#1	#1	#1	#1
3.6	Date Calibrated	02-15-10	02-15-10	02-15-10	02-15-10

TriMatrix Laboratories, Inc.

SPLP Extraction Worksheet

	Sample Number	1002144-17	1002144-18	1002144-19	1002144-20
Sample Size For SPLP Set-up					
4.1	For 100% solid sample, weight used (100 g minimum)	100.0 g	100.0 g	100.0 g	100.0 g
4.2	If % solids were >0.5% and <100%, then record:				
4.2.1	Adjusted amount of sample to yield 100g (from Section 2.)	g	g	g	g
4.2.2	Actual weight of sample (sample - weight of filter papers)	g	g	g	g
4.2.3	Total Amount of Miscible Filtrate(s) (from Section 2.6.)	mL	mL	mL	mL
4.3	For 100% liquid sample, record filtrate volumes for all lab areas in Section 6.3.4	ml	ml	ml	ml
4.4	Particle Size Reduction (Y/N)	Y (N)	Y (N)	Y (N)	Y (N)
Amount of Extraction Fluid (added by weight) For SPLP Set-up.					
5.1	Extraction Fluid (1, 2 or 3) and Batch I.D.	EF I 146	EF I 146	EF I 146	EF I 146
5.2	pH of Extraction Fluid	pH 4.15	pH 4.15	pH 4.15	pH 4.15
5.3	20 x Actual solid weight (from Section 4.1 or 4.2.2)	2000.0 g	2000.0 g	2000.0 g	2000.0 g
SPLP Extraction Record					
6.1	Analyst @ set-up/ Date (MM-DD-YY)	MAS 12/15/10	MAS 12/15/10	MAS 12/15/10	MAS 12/15/10
6.1.1	Initial Temperature @ set-up (23+/- 2 C)	23 C	23 C	23 C	23 C
6.1.2	Tumbler I.D. / RPM (30+/-2 RPM)	#4 @ 32	#4 @ 32	#4 @ 32	#4 @ 32
6.2	Tumbling Times				
6.2.1	Time started	1:50 pm	1:50 pm	1:50 pm	1:50 pm
6.2.2	Time completed	6:00 Am	6:00 Am	6:00 Am	6:00 Am
6.3	Analyst @ completion/ Date (MM-DD-YY)	MAS 12/16/10	MAS 12/16/10	MAS 12/16/10	MAS 12/16/10
6.3.1	Final Temperature @ completion (23+/-2 C)	23 25 C	23 25 C	23 25 C	23 25 C
6.3.2	Initial miscible phase added back to filtered leachate(Y/N). If N, explain in section 7.0	Y (N)	Y (N)	Y (N)	Y (N)
6.3.3	Final pH of leachate (Not preserved)	8.79	8.84	10.55	10.32
6.3.3.1	pH meter I.D.	#185	#185	#185	#185
6.3.3.2		RDB 12/16/10	RDB 12/16/10	RDB 12/16/10	RDB 12/16/10
6.3.4	Final Volume of Leachate Collected (mL)	2000.0 mL	2000.0 mL	2000.0 mL	2000.0 mL
6.3.4.1	Metals Lab (normal aliquot =1L ; min aliquot =200 mL)	500.0 mL	500.0 mL	500.0 mL	500.0 mL
6.3.4.2	Prep Lab (normal aliquot=500 mL to 1L ; min aliquot = 500mL)	mL	mL	mL	mL
6.3.4.3	Inorganic Lab (Check with Supervisor for aliquot amount)	mL	mL	mL	mL
6.3.5	Volume of non-miscible phase collected (see Section 2.6)	mL	mL	mL	mL
6.3.5.1	Metals Lab (normal aliquot= 20 mL)	mL	mL	mL	mL
6.3.5.2	Prep Lab (normal aliquot = 40 mL)	mL	mL	mL	mL
6.3.5.3	Inorganic Lab (Check with Supervisor for aliquot amount)	mL	mL	mL	mL
6.3.6	Metals Only:				
6.3.6.1	Analyst/ Date	RDB 12/16/10	RDB 12/16/10	RDB 12/16/10	RDB 12/16/10
6.3.6.2	Metals spikes used, please list				
6.3.6.3	Preservation (pH < 2), Record actual pH	pH 0.71	pH 0.74	pH 0.75	pH 0.72

7.0 Narratives/ Comments:

00130

TriMatrix Laboratories, Inc. SPLP Extraction Worksheet

Client	Saltrac	Saltrac	Saltrac	Saltrac
Sample Number	1002144 - 21	1002144 - 22	1002144-23	1002144 -24
1.0 Sample Description (Liquid, solid, multi-phasic)	Soil	Soil	Soil	Soil

% Solids Determination

- All samples must undergo % solids determination. Only re-use the solids from this section for the fluid determination. Discard any other solids/filtrates from this section!

2.1 Analyst /Date	MAS 102-15-10	MAS 102-15-10	MAS 102-15-10	MAS 102-15-10
2.2	g	g	g	g
2.3	g	g	g	g
Particle Size Reduction (Y/N)	Y (N)	Y (N)	Y (N)	Y (N)
2.4	g	g	g	g
2.5 Actual Sample Weight (100g min.)	g	g	g	g
2.6 Total Volume Filtrate(s)	mL	mL	mL	mL

Label the phases of the same number, A=Aqueous, B=Oil, C=Organic Phase, D= Other Phase. Make sure ALL Lab areas are aware of any Multi-phasic samples!

Phase A: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase B: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase C: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase D: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
2.7 Weight Of Wet Solids (Filter paper wt. + wet solids)	g	g	g	g
2.8 % Wet Solids {(wt. wet solids- wt. filter paper)/ act. samp. wt.} x100	%	%	%	%

- If % wet solids, are >0.5%, but < 100%, then use equation: (100g/ % wet solids) x 100 to determine the actual amount of sample to set up the SPLP in Section 4.3. Also, do the % dry solids to complete all sample records

- If sample is 100% solid, proceed to Section 4.2. If sample is oily and % wet solids are low, then proceed with the % dry solids.

2.9 Weight of Dry Solids (Wt. of filter paper + dry solids)	g	g	g	g
- Sample must be dried at 100C +/- 20C for two readings within +/- 1%.				
2.10 % Dry Solids {(wt. dry solids- wt filter paper)/Act. samp. wt. } x100	100 %	100 %	100 %	100 %

-If % dry solids are <0.5%, then the filtrate = the SPLP leachate. Sample is 100% liquid. Filter enough sample for all lab areas (see Section 6.3.4 for actual amounts).

-If the sample is oily, the % dry solids are low but not <0.5%, and if there are no "visible " solids on the filter paper, then the oil filtrate = the SPLP leachate (since there is only oil caught in the filter paper.)

Make sure all lab areas receive adequate aliquots of filtrate: Metals-40 mL vial, Prep Lab-40 mL vial. PLEASE, record in Narrative (Section 7) that sample was oily and filtrate=SPLP leachate.

Fluid Determination

3.1 Analyst / Date	MAS 102-15-10	MAS 02-15-10	MAS 102-15-10	MAS 102-15-10
3.2 Particle Size Reduction (Y/N). If No, explain in Narrative, Section 7	Y (N)	Y (N)	Y (N)	Y (N)
3.3 To determine what SPLP fluid to use, follow these guidelines:				
3.3.1 - for samples taken east of the Mississippi River and for wastes/wastewaters, use SPLP fluid #1.				
3.3.2 - for samples taken west of the Mississippi River, use SPLP fluid #2.				
3.3.3 - for samples containing cyanide and for volatiles, use SPLP fluid #3.				
3.3.4 - or check for a client specific fluid request.				
3.4 Record Extraction Fluid Type (1, 2 or 3)	(1) 2 3	(1) 2 3	(1) 2 3	(1) 2 3
3.5	#1 BS	#1 BS	#1 BS	#1 BS
3.6 Date Calibrated	02-15-10	02-15-10	02-15-10	02-15-10

TriMatrix Laboratories, Inc. SPLP Extraction Worksheet

	Sample Number	1002144-21	1002144-22	1002144-23	1002144-24
Sample Size For SPLP Set-up					
4.1	For 100% solid sample, weight used (100 g minimum)	100.0 g	100.0 g	100.0 g	100.0 g
4.2	If % solids were >0.5% and <100%, then record:				
4.2.1	Adjusted amount of sample to yield 100g (from Section 2.)	g	g	g	g
4.2.2	Actual weight of sample (sample - weight of filter papers)	g	g	g	g
4.2.3	Total Amount of Miscible Filtrate(s) (from Section 2.6.)	mL	mL	mL	mL
4.3	For 100% liquid sample, record filtrate volumes for all lab areas in Section 6.3.4	ml	ml	ml	ml
4.4	Particle Size Reduction (Y/N)	Y (N)	Y (N)	Y (N)	Y (N)
Amount of Extraction Fluid (added by weight) For SPLP Set-up.					
5.1	Extraction Fluid (1, 2 or 3) and Batch I.D.	EF I146	EF I146	EF I146	EF I146
5.2	pH of Extraction Fluid	pH 4.15	pH 4.15	pH 4.15	pH 4.15
5.3	20 x Actual solid weight (from Section 4.1 or 4.2.2)	2000.0 g	2000.0 g	2000.0 g	2000.0 g
SPLP Extraction Record					
6.1	Analyst @ set-up/ Date (MM-DD-YY)	MAS 12/15/10	MAS 12/15/10	MAS 12/15/10	MAS 12/15/10
6.1.1	Initial Temperature @ set-up (23+/- 2 C)	23 C	23 C	23 C	23 C
6.1.2	Tumbler I.D. / RPM (30+/-2 RPM)	#4 @ 32	#5 @ 32	#5 @ 32	#5 @ 32
6.2	Tumbling Times				
6.2.1	Time started	1:50pm	1:50pm	1:50pm	1:50pm
6.2.2	Time completed	6:00Am	6:00Am	6:00Am	6:00Am
6.3	Analyst @ completion/ Date (MM-DD-YY)	MAS 12/16/10	MAS 12/16/10	MAS 12/16/10	MAS 12/16/10
6.3.1	Final Temperature @ completion (23+/-2 C)	23 25 C	23 25 C	23 25 C	23 25 C
6.3.2	Initial miscible phase added back to filtered leachate(Y/N). If N, explain in section 7.0	Y (N)	Y (N)	Y (N)	Y (N)
6.3.3	Final pH of leachate (Not preserved)	8.98	9.34	9.37	9.33
6.3.3.1	pH meter I.D.	#185	#185	#185	#185
6.3.3.2		RDO 12/16/10	RDO 12/16/10	RDO 12/16/10	RDO 12/16/10
6.3.4	Final Volume of Leachate Collected (mL)	2000.0 mL	2000.0 mL	2000.0 mL	2000.0 mL
6.3.4.1	Metals Lab (normal aliquot =1L ; min aliquot =200 mL)	500.0 mL	500.0 mL	500.0 mL	500.0 mL
6.3.4.2	Prep Lab (normal aliquot=500 mL to 1L ; min aliquot = 500mL)	mL	mL	mL	mL
6.3.4.3	Inorganic Lab (Check with Supervisor for aliquot amount)	mL	mL	mL	mL
6.3.5	Volume of non-miscible phase collected (see Section 2.6)	mL	mL	mL	mL
6.3.5.1	Metals Lab (normal aliquot= 20 mL)	mL	mL	mL	mL
6.3.5.2	Prep Lab (normal aliquot = 40 mL)	mL	mL	mL	mL
6.3.5.3	Inorganic Lab (Check with Supervisor for aliquot amount)	mL	mL	mL	mL
6.3.6	Metals Only:				
6.3.6.1	Analyst/ Date	RDO 12/16/10	RDO 12/16/10	RDO 12/16/10	RDO 12/16/10
6.3.6.2	Metals spikes used, please list				
6.3.6.3	Preservation (pH < 2), Record actual pH	pH 0.93	pH 0.88	pH 0.90	pH 0.98

7.0 **Narratives/ Comments:**

60132

TriMatrix Laboratories, Inc. **SPLP Extraction Worksheet**

New no cancelled
1002228-01

Client	Saltrac	T/F I 146	[redacted]	T/F I Splp 146
Sample Number	1002144 -25	—	1002044-01	—
1.0 Sample Description (Liquid, solid, multi-phasic)	Soil	—	Soil	—

% Solids Determination

- All samples must undergo % solids determination. Only re-use the solids from this section for the fluid determination. Discard any other solids/filtrates from this section!

2.1 Analyst /Date	MAS 102-15-10	MAS 102-15-10	MAS 102-18-10	MAS 102-18-10
2.2	g	g	g	g
2.3	g	g	g	g
Particle Size Reduction (Y/N)	Y N	Y N	Y N	Y N
2.4	g	g	g	g
2.5 Actual Sample Weight (100g min.)	g	g	g	g
2.6 Total Volume Filtrate(s)	mL	mL	mL	mL

Label the phases of the same number, A=Aqueous, B=Oil, C=Organic Phase, D= Other Phase. Make sure ALL Lab areas are aware of any Multi-phasic samples!

Phase A: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase B: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase C: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase D: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
2.7 Weight Of Wet Solids (Filter paper wt. + wet solids)	g	g	g	g
2.8 % Wet Solids {(wt. wet solids- wt. filter paper)/ act. samp. wt.} x100	%	%	%	%

- If % wet solids, are >0.5%, but < 100%, then use equation: (100g/ % wet solids) x 100 to determine the actual amount of sample to set up the SPLP in Section 4.3. Also, do the % dry solids to complete all sample records
- If sample is 100% solid, proceed to Section 4.2. If sample is oily and % wet solids are low, then proceed with the % dry solids.

2.9 Weight of Dry Solids (Wt. of filter paper + dry solids)	g	g	g	g
- Sample must be dried at 100C +/- 20C for two readings within +/- 1%.				
2.10 % Dry Solids {(wt. dry solids- wt filter paper)/Act. samp. wt. } x100	100 %	— %	100 %	— %

-If % dry solids are <0.5%, then the filtrate = the SPLP leachate. Sample is 100% liquid. Filter enough sample for all lab areas (see Section 6.3.4 for actual amounts).

-If the sample is oily, the % dry solids are low but not <0.5%, and if there are no "visible " solids on the filter paper, then the oil filtrate = the SPLP leachate (since there is only oil caught in the filter paper.)

Make sure all lab areas receive adequate aliquots of filtrate: Metals-40 mL vial, Prep Lab-40 mL vial. PLEASE, record in Narrative (Section 7) that sample was oily and filtrate=SPLP leachate.

Fluid Determination

3.1 Analyst / Date	MAS 102-15-10	MAS 102-15-10	MAS 102-18-10	MAS 102-18-10
3.2 Particle Size Reduction (Y/N). If No, explain in Narrative, Section 7	Y N	Y N	Y N	Y N

3.3 To determine what SPLP fluid to use, follow these guidelines:

3.3.1 - for samples taken east of the Mississippi River and for wastes/wastewaters, use SPLP fluid #1.

3.3.2 - for samples taken west of the Mississippi River, use SPLP fluid #2.

3.3.3 - for samples containing cyanide and for volatiles, use SPLP fluid #3.

3.3.4 - or check for a client specific fluid request.

3.4 Record Extraction Fluid Type (1, 2 or 3)	1 2 3	1 2 3	1 2 3	1 2 3
3.5	#185	#185	#185	#185
3.6 Date Calibrated	02-15-10	02-15-10	02-18-10	02-18-10

: 00133

TriMatrix Laboratories, Inc.

SPLP Extraction Worksheet

New No. 1002228-01

	Sample Number	1002144-25	TIEI146	1002044-01	TIEI147
Sample Size For SPLP Set-up					
4.1	For 100% solid sample, weight used (100 g minimum)	100.0 g	— g	100.0 g	— g
4.2	If % solids were >0.5% and <100%, then record:				
4.2.1	Adjusted amount of sample to yield 100g (from Section 2.)	g	g	g	g
4.2.2	Actual weight of sample (sample - weight of filter papers)	g	g	g	g
4.2.3	Total Amount of Miscible Filtrate(s) (from Section 2.6.)	mL	mL	mL	mL
4.3	For 100% liquid sample, record filtrate volumes for all lab areas in Section 6.3.4	ml	ml	ml	ml
4.4	Particle Size Reduction (Y/N)	Y (N)	Y (N)	Y (N)	Y (N)
Amount of Extraction Fluid (added by weight) For SPLP Set-up.					
5.1	Extraction Fluid (1, 2 or 3) and Batch I.D.	EF I146	EF I146	EF I147	EF I147
5.2	pH of Extraction Fluid	pH 4.15	pH 4.15	pH 4.21	pH 4.21
5.3	20 x Actual solid weight (from Section 4.1 or 4.2.2)	2000.0 g	2000.0 g	2000.0 g	2000.0 g
SPLP Extraction Record					
6.1	Analyst @ set-up/ Date (MM-DD-YY)	MAS 12/15/10	MAS 12/15/10	MAS 12-18-10	MAS 12-18-10
6.1.1	Initial Temperature @ set-up (23+/- 2 C)	23 C	23 C	C	C
6.1.2	Tumbler I.D. / RPM (30+/-2 RPM)	#5 @ 32	#5 @ 32		
6.2	Tumbling Times				
6.2.1	Time started	1:50 Pm	1:50 Pm		
6.2.2	Time completed	6:00 Am	6:00 Am		
6.3	Analyst @ completion/ Date (MM-DD-YY)	MAS 12/16/10	MAS 12/16/10	1	1
6.3.1	Final Temperature @ completion (23+/-2 C)	23 25 C	23 25 C	C	C
6.3.2	Initial miscible phase added back to filtered leachate(Y/N). If N, explain in section 7.0	Y (N)	Y (N)	Y N	Y N
6.3.3	Final pH of leachate (Not preserved)	4.51	4.23		
6.3.3.1	pH meter I.D.	#185	#185		
6.3.3.2		ROS 12/16/10	ROS 12/16/10	1	1
6.3.4	Final Volume of Leachate Collected (mL)	2000.0 mL	2000.0 mL	mL	mL
6.3.4.1	Metals Lab (normal aliquot =1L ; min aliquot =200 mL)	500.0 mL	500.0 mL	mL	mL
6.3.4.2	Prep Lab (normal aliquot=500 mL to 1L ; min aliquot = 500mL)	mL	mL	mL	mL
6.3.4.3	Inorganic Lab (Check with Supervisor for aliquot amount)	mL	mL	mL	mL
6.3.5	Volume of non-miscible phase collected (see Section 2.6)	mL	mL	mL	mL
6.3.5.1	Metals Lab (normal aliquot= 20 mL)	mL	mL	mL	mL
6.3.5.2	Prep Lab (normal aliquot = 40 mL)	mL	mL	mL	mL
6.3.5.3	Inorganic Lab (Check with Supervisor for aliquot amount)	mL	mL	mL	mL
6.3.6	Metals Only:				
6.3.6.1	Analyst/ Date	ROS 12/16/10	ROS 12/16/10	1	1
6.3.6.2	Metals spikes used, please list				
6.3.6.3	Preservation (pH < 2), Record actual pH	pH 0.76	pH —	pH Cancelled	pH

7.0 **Narratives/ Comments:**

00134

Metals, Soil, SPLP Metals

00135

Batch comments:
MAS 02/15/10 1:30PM
TUMBLERS 1,2,3,4,5
@32RPM
SPLP I 146
22C

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client: Source ID	Client: Spike ID	Client: uL Spike	Comments
1002144-01	A	Feb-15-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002144-02	A	Feb-15-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002144-03	A	Feb-15-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002144-04	A	Feb-15-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002144-05	A	Feb-15-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002144-06	A	Feb-15-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002144-07	A	Feb-15-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002144-08	A	Feb-15-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002144-09	A	Feb-15-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002144-10	A	Feb-15-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002144-11	A	Feb-15-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									

Comments:	Analyst Initials:

Metals, Soil, SPLP Metals

00136

Batch comments:

MAS 02/15/10 1:30PM
TUMBLERS 1,2,3,4,5
@32RPM
SPLP I 146
22C

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client: Source ID	Client: Spike ID	Client: uL Spike	Comments
1002144-12	A	Feb-15-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002144-13	A	Feb-15-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002144-15	A	Feb-15-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002144-16	A	Feb-15-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002144-17	A	Feb-15-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002144-18	A	Feb-15-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002144-19	A	Feb-15-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002144-20	A	Feb-15-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002144-21	A	Feb-15-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002144-22	A	Feb-15-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002144-23	A	Feb-15-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									

Comments:	Analyst Initials:

Metals, Soil, SPLP Metals

9137

Batch comments:
MAS 02/15/10 1:30PM
TUMBLERS 1,2,3,4,5
@32RPM
SPLP I 146
22C

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1002144-24	A	Feb-15-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002144-25	A	Feb-15-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									

Comments:

Analyst Initials:

Metals, Soil, 3010A SPLP Digestion

60138

Batch comments:

MAS 02/17/10 7:00AM-4:00PM
INST#217@93.6C#223
HOTBLOCK VESSSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1001397-BLK1		Feb-17-10 07:00	MAS	25	25				
1001397-BS1		Feb-17-10 07:00	MAS	25	25		9100970	125	
1001397-MS1		Feb-17-10 07:00	MAS	25	25	1002144-20	9100970	125	
1001397-MSD1		Feb-17-10 07:00	MAS	25	25	1002144-20	9100970	125	
1001397-PS1		Feb-18-10 07:00	KLV	4	4	1002144-20	9050565	20	
1002144-01	A 01	Feb-17-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002144-02	A 01	Feb-17-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002144-03	A 01	Feb-17-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002144-04	A 01	Feb-17-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002144-06	A 01	Feb-17-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002144-07	A 01	Feb-17-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002144-08	A 01	Feb-17-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002144-09	A 01	Feb-17-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002144-10	A 01	Feb-17-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					

Comments:

Analyst Initials:

Metals, Soil, 3010A SPLP Digestion

090139

Batch comments:

MAS 02/17/10 7:00AM-4:00PM
INST#217@93.6C#223
HOTBLOCK VESSSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1002144-11	A 01	Feb-17-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002144-12	A 01	Feb-17-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002144-13	A 01	Feb-17-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002144-15	A 01	Feb-17-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002144-16	A 01	Feb-17-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002144-17	A 01	Feb-17-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002144-18	A 01	Feb-17-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002144-19	A 01	Feb-17-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002144-20	A 01	Feb-17-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					

Comments:

Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH **1001398** Page 1 of 1

Printed: 3/8/2010 8:01:35AM

Metals, Soil, 3010A SPLP Digestion

Batch comments:

MAS 02/17/10 7:00AM-4:00PM
INST#217@93.66C#223
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1001398-BLK1		Feb-17-10 07:00	MAS	25	25				
1001398-BS1		Feb-17-10 07:00	MAS	25	25		9100970	125	
1001398-MS1		Feb-17-10 07:00	MAS	25	25	1002144-21	9100970	125	
1001398-MSD1		Feb-17-10 07:00	MAS	25	25	1002144-21	9100970	125	
1001398-PS1		Feb-18-10 07:00	KLV	4	4	1002144-21	9050565	20	
1002144-21	A 01	Feb-17-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002144-22	A 01	Feb-17-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002144-23	A 01	Feb-17-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002144-24	A 01	Feb-17-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002144-25	A 01	Feb-17-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					

Comments:

Analyst Initials:

bch_TM_byAnalysis.rpt

Metals, Soil, 3010A SPLP Digestion

Batch comments:

MAS 02/23/10 7:30AM-4:00PM
INST#217@93.9C#223
HOTBLOCK VESSEL LOT#A909LS164
SPLP I 147

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1001566-BLK1		Feb-23-10 07:30	MAS	25	25				
1001566-BS1		Feb-23-10 07:30	MAS	25	25		9100970	125	
1002144-05	A 01	Feb-23-10 07:30	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					

Comments:	Analyst Initials:

2/18

Due 2-22

Calib 0B1803

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence

Instrument #: 101
Date: 2-18-10
Analyst: KW

Data File: 0B18004
Calibration BLK/ICB/CCB: 5%HNO3/1109060/5%HCL/4109080
Internal Standard #: 0010921

Autosampler Position:

1. BLK/CCB/0020514
2. STD 1/0020510
3. STD 2/0020511
4. STD3/CCV/0020512
5. STD4/0020513
9. DAILY SCV/CCV1/0020515
10. CRL/0010356
11. IFA1/0010740
12. IFA2/0020174
13. IFB1/0010637
14. IFB2/0010316

Analysis # / Position #	ID	Dilution			Analysis # / Position #	ID	Dilution		
		Initial Volume (mL)	Final Volume (mL)	Dilution Factor			Initial Volume (mL)	Final Volume (mL)	Dilution Factor
1/17	1001397-BLK1				35/51	100244-25			
2/18	BS1				36/52				
3/19	100244-01				37/53				
4/20	02				38/54				
5/21	03				39/55				
6/22	04				40/56				
7/23	06				41/57				
8/24	07				42/58				
9/25	08				43/59				
10/26	09				44/60				
11/27	10				45/61				
12/28	11				46/62				
13/29	12				47/63				
14/30	13				48/64				
15/31	15				49/65				
16/32	16				50/66				
17/33	17				51/67				
18/34	18				52/68				
19/35	19				53/69				
20/36	20				54/70				
21/37	1001397-MS1				55/71				
22/38	MSD1				56/72				
23/39	SRD1	1	5	5	57/73				
24/40	PS1				58/74				
25/41	1001398-BLK1				59/75				
26/42	BS1				60/76				
27/43	100244-21				61/77				
28/44	MS1				62/78				
29/45	MSD1				63/79				
30/46	SRD2	1	5	5	64/80				
31/47	PS1				65/81				
32/48	100244-22				66/82				
33/49	23				67/83				
34/50	24				68/84				

Method - AQU_6010C_101
SIF File - 0b18004

Seq #	A/S Loc	ID	Category
1	1	IS Init	IS Init.
2	1	0B18004-CAL1	Calib Blank
3	2	0B18004-CAL2	Calib Std.
4	3	0B18004-CAL3	Calib Std.
5	4	0B18004-CAL4	Calib Std.
6	5	0B18004-CAL5	Calib Std.
7	9	0B18004-SCV1	QC
8	1	0B18004-CCB	QC
9	10	0B18004-CRL1	QC
10	11	0B18004-IFA1	QC
11	12	0B18004-IFA2	QC
12	13	0B18004-IFB1	QC
13	14	0B18004-IFB2	QC
14	4	0B18004-CCV	QC
15	1	0B18004-CCB	QC
16	17	1001397-blk1	Sample
17	18	1001397-bs1	Sample
18	19	1002144-01	Sample
19	20	1002144-02	Sample
20	21	1002144-03	Sample
21	22	1002144-04	Sample
22	23	1002144-06	Sample
23	24	1002144-07	Sample
24	25	1002144-08	Sample
25	26	1002144-09	Sample
26	4	0B18004-CCV	QC
27	1	0B18004-CCB	QC
28	27	1002144-10	Sample
29	28	1002144-11	Sample
30	29	1002144-12	Sample
31	30	1002144-13	Sample
32	31	1002144-15	Sample
33	32	1002144-16	Sample
34	33	1002144-17	Sample
35	34	1002144-18	Sample
36	35	1002144-19	Sample
37	36	1002144-20	Sample
38	4	0B18004-CCV	QC
39	1	0B18004-CCB	QC
40	37	1001397-ms1	Sample
41	38	1001397-msd1	Sample
42	39	0b18004-srd1	Sample
43	40	1001397-ps1	Sample
44	41	1001398-blk1	Sample
45	42	1001398-bs1	Sample
46	43	1002144-21	Sample
47	44	1001398-ms1	Sample
48	45	1001398-msd1	Sample
49	46	0b18004-srd2	Sample
50	4	0B18004-CCV	QC
51	1	0B18004-CCB	QC
52	47	1001398-ps1	Sample
53	48	1002144-22	Sample
54	49	1002144-23	Sample
55	50	1002144-24	Sample
56	51	1002144-25	Sample
57	4	0B18004-CCV	QC
58	1	0B18004-CCB	QC

Calibration Summary
Method: AQU_6010C_101 Date: 2/18/10 7:50:46 AM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.

Method: AQU_6010C_101 IEC: IEC-35.IEC MSF:
Results: 0B18004 Spectra Stored: Yes Method Stored: Yes
Sample Info: 0b18004 User: User1 Date: 2/18/10 7:50:46 AM
Method Description: Aqueous 6010C

Replicate Data
ID: IS Init Date: 2/18/10 7:51:55 AM

Repl#	Element	Net Intensity	Corrected Intensity
1	Sc 357.253	436588.2	436588.2
1	Y 360.064	269698.9	269698.9
2	Sc 357.253	436437.7	436437.7
2	Y 360.064	269498.8	269498.8

Mean Data
ID: IS Init Seq. No.: 1 A/S Pos: 1
Data: Original Date: 2/18/10 7:51:55 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD
Sc 357.253	436513.0	106.42	0.02%
Y 360.064	269598.8	141.49	0.05%

Replicate Data
ID: 0B18004-CAL1 Date: 2/18/10 7:52:53 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units
1	Sc 357.253	446420.2	446420.2	102.3	µg/L
1	Y 360.064	277285.9	277285.9	102.9	µg/L
1	Ag 328.068	-195.8	-191.4	0	µg/L
1	Al 396.140	-17.2	-16.8	0	µg/L
1	As 188.979	-4.9	-4.8	0	µg/L
1	B 249.773	90.0	88.0	0	µg/L
1	Ba 455.403	8386.6	8200.5	0	µg/L
1	Be 234.861	100.4	98.1	0	µg/L
1	Ca 315.887	-416.8	-407.5	0	mg/L
1	Cd 214.438	46.0	45.0	0	µg/L
1	Ce 413.765	80.6	78.8	0	µg/L
1	Co 228.616	-5.5	-5.4	0	µg/L
1	Cr 205.560	59.4	58.1	0	µg/L
1	Cu 327.394	-77.4	-75.7	0	µg/L
1	Fe 238.204	95.1	93.0	0	µg/L
1	K 766.514	1917.6	1875.1	0	mg/L
1	Li 670.781	248.3	242.8	0	µg/L
1	Mg 279.074	-40.1	-39.2	0	mg/L
1	Mn 257.610	-154.3	-150.9	0	µg/L
1	Mo 202.031	3.6	3.5	0	µg/L
1	Na 589.594	2530.2	2474.1	0	mg/L
1	Ni 231.603	104.2	101.9	0	µg/L
1	Pb 220.353	-5.7	-5.6	0	µg/L
1	Sb 206.831	-3.6	-3.5	0	µg/L
1	Se 196.026	71.4	69.8	0	µg/L
1	Si 251.611	1107.5	1083.0	0	µg/L
1	Sn 189.933	-3.1	-3.0	0	µg/L
1	Sr 407.771	778.2	760.9	0	µg/L
1	Ti 334.941	1796.6	1756.7	0	µg/L
1	Tl 190.800	15.7	15.3	0	µg/L
1	V 292.402	-358.4	-350.4	0	µg/L

1	Zn 206.200	4.1	4.0	0	µg/L
2	Sc 357.253	433794.5	433794.5	99.4	µg/L
2	Y 360.064	267888.1	267888.1	99.4	µg/L
2	Ag 328.068	-110.9	-111.6	0	µg/L
2	Al 396.140	-55.8	-56.1	0	µg/L
2	As 188.979	11.4	11.4	0	µg/L
2	B 249.773	101.6	102.2	0	µg/L
2	Ba 455.403	8398.5	8451.1	0	µg/L
2	Be 234.861	121.0	121.8	0	µg/L
2	Ca 315.887	-268.2	-269.9	0	mg/L
2	Cd 214.438	36.1	36.4	0	µg/L
2	Ce 413.765	119.9	120.7	0	µg/L
2	Co 228.616	-25.1	-25.3	0	µg/L
2	Cr 205.560	58.1	58.5	0	µg/L
2	Cu 327.394	-96.3	-96.9	0	µg/L
2	Fe 238.204	76.3	76.7	0	µg/L
2	K 766.514	2186.4	2200.1	0	mg/L
2	Li 670.781	411.7	414.3	0	µg/L
2	Mg 279.074	-56.8	-57.2	0	mg/L
2	Mn 257.610	-119.3	-120.1	0	µg/L
2	Mo 202.031	6.5	6.6	0	µg/L
2	Na 589.594	2594.9	2611.2	0	mg/L
2	Ni 231.603	70.2	70.7	0	µg/L
2	Pb 220.353	-10.9	-11.0	0	µg/L
2	Sb 206.831	-4.9	-4.9	0	µg/L
2	Se 196.026	62.6	63.0	0	µg/L
2	Si 251.611	1093.6	1100.5	0	µg/L
2	Sn 189.933	-1.9	-2.0	0	µg/L
2	Sr 407.771	839.6	844.8	0	µg/L
2	Ti 334.941	1715.7	1726.4	0	µg/L
2	Tl 190.800	25.0	25.2	0	µg/L
2	V 292.402	-373.2	-375.5	0	µg/L
2	Zn 206.200	-3.4	-3.4	0	µg/L

Mean Data

ID: 0B18004-CAL1 Seq. No.: 2 A/S Pos: 1
Data: Original Date: 2/18/10 7:52:53 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.253	440107.4	8927.72	2.03%	100.8	µg/L
Y 360.064	272587.0	6645.24	2.44%	101.1	µg/L
Ag 328.068	-151.5	56.46	37.27%	0	µg/L
Al 396.140	-36.5	27.82	76.29%	0	µg/L
As 188.979	3.3	11.49	348.08%	0	µg/L
B 249.773	95.1	10.02	10.54%	0	µg/L
Ba 455.403	8325.8	177.26	2.13%	0	µg/L
Be 234.861	110.0	16.73	15.21%	0	µg/L
Ca 315.887	-338.7	97.32	28.73%	0	mg/L
Cd 214.438	40.7	6.12	15.05%	0	µg/L
Ce 413.765	99.7	29.59	29.67%	0	µg/L
Co 228.616	-15.3	14.04	91.59%	0	µg/L
Cr 205.560	58.3	0.30	0.51%	0	µg/L
Cu 327.394	-86.3	14.98	17.37%	0	µg/L
Fe 238.204	84.9	11.47	13.52%	0	µg/L
K 766.514	2037.6	229.80	11.28%	0	mg/L
Li 670.781	328.5	121.27	36.91%	0	µg/L
Mg 279.074	-48.2	12.73	26.41%	0	mg/L
Mn 257.610	-135.5	21.78	16.08%	0	µg/L
Mo 202.031	5.0	2.19	43.56%	0	µg/L
Na 589.594	2542.6	96.96	3.81%	0	mg/L
Ni 231.603	86.3	22.06	25.57%	0	µg/L
Pb 220.353	-8.3	3.81	46.12%	0	µg/L
Sb 206.831	-4.2	1.01	24.12%	0	µg/L
Se 196.026	66.4	4.87	7.34%	0	µg/L
Si 251.611	1091.7	12.38	1.13%	0	µg/L
Sn 189.933	-2.5	0.75	30.09%	0	µg/L
Sr 407.771	802.9	59.33	7.39%	0	µg/L
Ti 334.941	1741.6	21.41	1.23%	0	µg/L
Tl 190.800	20.3	6.98	34.46%	0	µg/L
V 292.402	-363.0	17.73	4.89%	0	µg/L

Zn 206.200 0.3 5.22 >999.9% 0 µg/L

Replicate Data ----------
ID: 0B18004-CAL2 Date: 2/18/10 7:56:13 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units
1	Sc 357.253	438785.5	438785.5	100.5	µg/L
1	Y 360.064	271912.8	271912.8	100.9	µg/L
1	Ag 328.068	62.1	61.8	5.00	µg/L
1	Al 396.140	453.8	451.5	50.00	µg/L
1	As 188.979	22.3	22.2	100.00	µg/L
1	B 249.773	717.4	713.6	50.00	µg/L
1	Ba 455.403	15212.4	15133.6	10.00	µg/L
1	Be 234.861	204.7	203.7	1.00	µg/L
1	Ca 315.887	5688.7	5659.3	0.500	mg/L
1	Cd 214.438	76.8	76.4	5.00	µg/L
1	Co 228.616	12.8	12.7	10.00	µg/L
1	Cr 205.560	70.9	70.5	10.00	µg/L
1	Cu 327.394	89.2	88.8	10.00	µg/L
1	Fe 238.204	175.5	174.6	10.00	µg/L
1	K 766.514	2493.5	2480.6	0.100	mg/L
1	Li 670.781	1515.3	1507.4	8.00	µg/L
1	Mg 279.074	686.7	683.1	0.500	mg/L
1	Mn 257.610	718.0	714.2	10.00	µg/L
1	Na 589.594	10722.6	10667.1	0.500	mg/L
1	Ni 231.603	115.0	114.4	10.00	µg/L
1	Pb 220.353	6.9	6.9	50.00	µg/L
1	Sb 206.831	29.7	29.6	100.00	µg/L
1	Se 196.026	80.0	79.6	100.00	µg/L
1	Si 251.611	1644.8	1636.3	100.00	µg/L
1	Sn 189.933	10.3	10.3	100.00	µg/L
1	Sr 407.771	73222.1	72842.9	50.00	µg/L
1	Tl 190.800	33.9	33.7	100.00	µg/L
1	V 292.402	-169.9	-169.0	10.00	µg/L
1	Zn 206.200	26.6	26.5	10.00	µg/L
2	Sc 357.253	436307.2	436307.2	100.0	µg/L
2	Y 360.064	270366.3	270366.3	100.3	µg/L
2	Ag 328.068	-8.9	-8.9	5.00	µg/L
2	Al 396.140	649.3	649.6	50.00	µg/L
2	As 188.979	26.3	26.3	100.00	µg/L
2	B 249.773	738.0	738.4	50.00	µg/L
2	Ba 455.403	15030.4	15037.4	10.00	µg/L
2	Be 234.861	185.8	185.9	1.00	µg/L
2	Ca 315.887	5674.9	5677.6	0.500	mg/L
2	Cd 214.438	72.2	72.3	5.00	µg/L
2	Co 228.616	14.6	14.6	10.00	µg/L
2	Cr 205.560	74.3	74.3	10.00	µg/L
2	Cu 327.394	37.3	37.4	10.00	µg/L
2	Fe 238.204	179.7	179.8	10.00	µg/L
2	K 766.514	2503.9	2505.1	0.100	mg/L
2	Li 670.781	1630.0	1630.8	8.00	µg/L
2	Mg 279.074	639.5	639.8	0.500	mg/L
2	Mn 257.610	621.3	621.6	10.00	µg/L
2	Na 589.594	10612.5	10617.5	0.500	mg/L
2	Ni 231.603	105.7	105.7	10.00	µg/L
2	Pb 220.353	-4.3	-4.3	50.00	µg/L
2	Sb 206.831	27.3	27.3	100.00	µg/L
2	Se 196.026	76.7	76.7	100.00	µg/L
2	Si 251.611	1621.2	1621.9	100.00	µg/L
2	Sn 189.933	9.1	9.1	100.00	µg/L
2	Sr 407.771	73311.6	73346.2	50.00	µg/L
2	Tl 190.800	33.8	33.8	100.00	µg/L
2	V 292.402	-196.3	-196.4	10.00	µg/L
2	Zn 206.200	24.4	24.4	10.00	µg/L

Mean Data ----------
ID: 0B18004-CAL2 Seq. No.: 3 A/S Pos: 2
Data: Original Date: 2/18/10 7:56:13 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.253	437546.4	1752.42	0.40%	100.2	µg/L
Y 360.064	271139.5	1093.53	0.40%	100.6	µg/L
Ag 328.068	26.4	50.01	189.14%	5.00	µg/L
Al 396.140	550.5	140.08	25.45%	50.00	µg/L
As 188.979	24.3	2.90	11.95%	100.00	µg/L
B 249.773	726.0	17.48	2.41%	50.00	µg/L
Ba 455.403	15085.5	68.02	0.45%	10.00	µg/L
Be 234.861	194.8	12.60	6.47%	1.00	µg/L
Ca 315.887	5668.4	12.96	0.23%	0.500	mg/L
Cd 214.438	74.3	2.91	3.91%	5.00	µg/L
Co 228.616	13.7	1.35	9.86%	10.00	µg/L
Cr 205.560	72.4	2.67	3.68%	10.00	µg/L
Cu 327.394	63.1	36.35	57.64%	10.00	µg/L
Fe 238.204	177.2	3.65	2.06%	10.00	µg/L
K 766.514	2492.9	17.34	0.70%	0.100	mg/L
Li 670.781	1569.1	87.23	5.56%	8.00	µg/L
Mg 279.074	661.5	30.60	4.63%	0.500	mg/L
Mn 257.610	667.9	65.51	9.81%	10.00	µg/L
Na 589.594	10642.3	35.08	0.33%	0.500	mg/L
Ni 231.603	110.1	6.12	5.56%	10.00	µg/L
Pb 220.353	1.3	7.90	595.79%	50.00	µg/L
Sb 206.831	28.4	1.61	5.68%	100.00	µg/L
Se 196.026	78.2	2.02	2.58%	100.00	µg/L
Si 251.611	1629.1	10.14	0.62%	100.00	µg/L
Sn 189.933	9.7	0.83	8.54%	100.00	µg/L
Sr 407.771	73094.5	355.88	0.49%	50.00	µg/L
Tl 190.800	33.8	0.06	0.17%	100.00	µg/L
V 292.402	-182.7	19.42	10.63%	10.00	µg/L
Zn 206.200	25.4	1.49	5.84%	10.00	µg/L

Replicate Data

ID: 0B18004-CAL3 Date: 2/18/10 7:59:35 AM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units
1	Sc 357.253	438827.2	438827.2	100.5	µg/L
1	Y 360.064	271891.2	271891.2	100.9	µg/L
1	Ag 328.068	2513.7	2500.4	100.00	µg/L
1	Al 396.140	4093.0	4071.4	500.00	µg/L
1	As 188.979	100.9	100.4	500.00	µg/L
1	B 249.773	1297.6	1290.7	100.00	µg/L
1	Ba 455.403	72560.5	72177.9	100.00	µg/L
1	Be 234.861	995.4	990.1	10.00	µg/L
1	Ca 315.887	10866.1	10808.8	1.00	mg/L
1	Cd 214.438	736.2	732.3	100.00	µg/L
1	Co 228.616	331.1	329.3	100.00	µg/L
1	Cr 205.560	177.6	176.7	100.00	µg/L
1	Cu 327.394	1342.8	1335.7	100.00	µg/L
1	Fe 238.204	1014.0	1008.6	100.0	µg/L
1	K 766.514	5393.7	5365.2	1.00	mg/L
1	Li 670.781	16357.1	16270.8	100.00	µg/L
1	Mg 279.074	1296.6	1289.8	1.00	mg/L
1	Mn 257.610	7643.8	7603.5	100.00	µg/L
1	Mo 202.031	83.6	83.2	100.0	µg/L
1	Na 589.594	18675.4	18576.9	1.00	mg/L
1	Ni 231.603	257.0	255.6	100.00	µg/L
1	Pb 220.353	26.1	25.9	100.00	µg/L
1	Sb 206.831	108.7	108.1	500.00	µg/L
1	Se 196.026	134.8	134.1	500.00	µg/L
1	Si 251.611	3629.8	3610.7	500.00	µg/L
1	Sn 189.933	53.0	52.7	500.00	µg/L
1	Sr 407.771	143674.2	142916.5	100.00	µg/L
1	Ti 334.941	11382.0	11321.9	100.00	µg/L
1	Tl 190.800	95.0	94.5	500.00	µg/L
1	V 292.402	1302.0	1295.1	100.00	µg/L
1	Zn 206.200	228.1	226.9	100.00	µg/L
2	Sc 357.253	436174.9	436174.9	99.9	µg/L
2	Y 360.064	270424.7	270424.7	100.3	µg/L

2	Ag 328.068	2610.6	2612.6	100.00 µg/L
2	Al 396.140	4001.4	4004.5	500.00 µg/L
2	As 188.979	101.7	101.7	500.00 µg/L
2	B 249.773	1306.2	1307.2	100.00 µg/L
2	Ba 455.403	72200.1	72256.0	100.00 µg/L
2	Be 234.861	994.3	995.1	10.00 µg/L
2	Ca 315.887	10897.0	10905.5	1.00 mg/L
2	Cd 214.438	723.0	723.5	100.00 µg/L
2	Co 228.616	323.8	324.0	100.00 µg/L
2	Cr 205.560	162.9	163.0	100.00 µg/L
2	Cu 327.394	1458.9	1460.1	100.00 µg/L
2	Fe 238.204	1029.2	1030.0	100.0 µg/L
2	K 766.514	5446.1	5450.3	1.00 mg/L
2	Li 670.781	16082.3	16094.8	100.00 µg/L
2	Mg 279.074	1361.8	1362.9	1.00 mg/L
2	Mn 257.610	7699.0	7704.9	100.00 µg/L
2	Mo 202.031	76.7	76.7	100.0 µg/L
2	Na 589.594	18390.3	18404.5	1.00 mg/L
2	Ni 231.603	259.6	259.8	100.00 µg/L
2	Pb 220.353	20.6	20.6	100.00 µg/L
2	Sb 206.831	111.2	111.3	500.00 µg/L
2	Se 196.026	145.3	145.5	500.00 µg/L
2	Si 251.611	3597.0	3599.8	500.00 µg/L
2	Sn 189.933	52.0	52.0	500.00 µg/L
2	Sr 407.771	143323.5	143434.6	100.00 µg/L
2	Ti 334.941	11316.5	11325.3	100.00 µg/L
2	Tl 190.800	97.9	97.9	500.00 µg/L
2	V 292.402	1298.8	1299.8	100.00 µg/L
2	Zn 206.200	229.6	229.8	100.00 µg/L

Mean Data

ID: 0B18004-CAL3 Seq. No.: 4 A/S Pos: 3
Data: Original Date: 2/18/10 7:59:35 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.253	437501.0	1875.43	0.43%	100.2	µg/L
Y 360.064	271157.9	1037.03	0.38%	100.6	µg/L
Ag 328.068	2556.5	79.37	3.10%	100.00	µg/L
Al 396.140	4037.9	47.28	1.17%	500.00	µg/L
As 188.979	101.0	0.97	0.96%	500.00	µg/L
B 249.773	1299.0	11.67	0.90%	100.00	µg/L
Ba 455.403	72217.0	55.27	0.08%	100.00	µg/L
Be 234.861	992.6	3.49	0.35%	10.00	µg/L
Ca 315.887	10857.1	68.37	0.63%	1.00	mg/L
Cd 214.438	727.9	6.19	0.85%	100.00	µg/L
Co 228.616	326.7	3.73	1.14%	100.00	µg/L
Cr 205.560	169.9	9.68	5.70%	100.00	µg/L
Cu 327.394	1397.9	87.95	6.29%	100.00	µg/L
Fe 238.204	1019.3	15.15	1.49%	100.0	µg/L
K 766.514	5407.8	60.18	1.11%	1.00	mg/L
Li 670.781	16182.8	124.48	0.77%	100.00	µg/L
Mg 279.074	1326.3	51.66	3.90%	1.00	mg/L
Mn 257.610	7654.2	71.72	0.94%	100.00	µg/L
Mo 202.031	80.0	4.58	5.72%	100.0	µg/L
Na 589.594	18490.7	121.87	0.66%	1.00	mg/L
Ni 231.603	257.7	2.93	1.14%	100.00	µg/L
Pb 220.353	23.3	3.74	16.07%	100.00	µg/L
Sb 206.831	109.7	2.21	2.01%	500.00	µg/L
Se 196.026	139.8	8.04	5.76%	500.00	µg/L
Si 251.611	3605.2	7.70	0.21%	500.00	µg/L
Sn 189.933	52.4	0.47	0.89%	500.00	µg/L
Sr 407.771	143175.5	366.31	0.26%	100.00	µg/L
Ti 334.941	11323.6	2.39	0.02%	100.00	µg/L
Tl 190.800	96.2	2.40	2.49%	500.00	µg/L
V 292.402	1297.5	3.30	0.25%	100.00	µg/L
Zn 206.200	228.3	2.05	0.90%	100.00	µg/L

Replicate Data

ID: 0B18004-CAL4 Date: 2/18/10 8:03:00 AM

	Net	Corrected	Calib

Repl#	Element	Intensity	Intensity	Conc.	Units
1	Sc 357.253	442470.6	442470.6	101.4	µg/L
1	Y 360.064	273615.3	273615.3	101.5	µg/L
1	Ag 328.068	13027.0	12851.6	500.00	µg/L
1	Al 396.140	20038.9	19769.1	2500.00	µg/L
1	As 188.979	470.3	464.0	2500.00	µg/L
1	B 249.773	5340.4	5268.5	500.00	µg/L
1	Ba 455.403	328756.9	324330.4	500.00	µg/L
1	Be 234.861	4595.5	4533.6	50.00	µg/L
1	Ca 315.887	54435.8	53702.9	5.00	mg/L
1	Cd 214.438	3517.1	3469.7	500.00	µg/L
1	Co 228.616	1660.2	1637.9	500.00	µg/L
1	Cr 205.560	624.2	615.8	500.00	µg/L
1	Cu 327.394	7407.9	7308.1	500.00	µg/L
1	Fe 238.204	4835.3	4770.2	500.00	µg/L
1	K 766.514	19125.7	18868.2	5.00	mg/L
1	Li 670.781	80613.9	79528.5	500.00	µg/L
1	Mg 279.074	6858.6	6766.2	5.00	mg/L
1	Mn 257.610	39361.5	38831.5	500.00	µg/L
1	Mo 202.031	347.6	342.9	500.00	µg/L
1	Na 589.594	80331.3	79249.6	5.00	mg/L
1	Ni 231.603	967.7	954.6	500.00	µg/L
1	Pb 220.353	138.2	136.3	500.00	µg/L
1	Sb 206.831	519.0	512.0	2500.00	µg/L
1	Se 196.026	407.9	402.4	2500.00	µg/L
1	Si 251.611	13575.9	13393.1	2500.00	µg/L
1	Sn 189.933	281.5	277.7	2500.00	µg/L
1	Sr 407.771	716616.9	706968.1	500.00	µg/L
1	Ti 334.941	50333.8	49656.1	500.00	µg/L
1	Tl 190.800	449.5	443.4	2500.00	µg/L
1	V 292.402	7672.8	7569.5	500.00	µg/L
1	Zn 206.200	1154.6	1139.0	500.00	µg/L
2	Sc 357.253	438947.1	438947.1	100.6	µg/L
2	Y 360.064	271255.8	271255.8	100.6	µg/L
2	Ag 328.068	12873.2	12801.8	500.00	µg/L
2	Al 396.140	19958.4	19847.7	2500.00	µg/L
2	As 188.979	459.7	457.2	2500.00	µg/L
2	B 249.773	5320.3	5290.8	500.00	µg/L
2	Ba 455.403	330391.0	328558.9	500.00	µg/L
2	Be 234.861	4561.4	4536.1	50.00	µg/L
2	Ca 315.887	53749.7	53451.6	5.00	mg/L
2	Cd 214.438	3509.0	3489.6	500.00	µg/L
2	Co 228.616	1682.7	1673.3	500.00	µg/L
2	Cr 205.560	631.8	628.3	500.00	µg/L
2	Cu 327.394	7349.7	7308.9	500.00	µg/L
2	Fe 238.204	4785.3	4758.8	500.00	µg/L
2	K 766.514	18826.8	18722.4	5.00	mg/L
2	Li 670.781	81054.4	80605.0	500.00	µg/L
2	Mg 279.074	6750.6	6713.2	5.00	mg/L
2	Mn 257.610	38845.4	38630.0	500.00	µg/L
2	Mo 202.031	347.8	345.9	500.00	µg/L
2	Na 589.594	80434.5	79988.5	5.00	mg/L
2	Ni 231.603	964.3	959.0	500.00	µg/L
2	Pb 220.353	143.5	142.7	500.00	µg/L
2	Sb 206.831	503.6	500.8	2500.00	µg/L
2	Se 196.026	418.4	416.1	2500.00	µg/L
2	Si 251.611	13515.4	13440.5	2500.00	µg/L
2	Sn 189.933	277.3	275.8	2500.00	µg/L
2	Sr 407.771	720353.5	716358.9	500.00	µg/L
2	Ti 334.941	49669.0	49393.6	500.00	µg/L
2	Tl 190.800	457.2	454.6	2500.00	µg/L
2	V 292.402	7565.0	7523.1	500.00	µg/L
2	Zn 206.200	1156.1	1149.7	500.00	µg/L

Mean Data ----------

ID: 0B18004-CAL4 Seq. No.: 5 A/S Pos: 4

Data: Original Date: 2/18/10 8:03:00 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units

Sc 357.253	440708.8	2491.52	0.57%	101.0 µg/L
Y 360.064	272435.5	1668.38	0.61%	101.1 µg/L
Ag 328.068	12826.7	35.21	0.27%	500.00 µg/L
Al 396.140	19808.4	55.59	0.28%	2500.00 µg/L
As 188.979	460.6	4.80	1.04%	2500.00 µg/L
B 249.773	5279.6	15.78	0.30%	500.00 µg/L
Ba 455.403	326444.6	2989.97	0.92%	500.00 µg/L
Be 234.861	4534.8	1.76	0.04%	50.00 µg/L
Ca 315.887	53577.2	177.65	0.33%	5.00 mg/L
Cd 214.438	3479.6	14.06	0.40%	500.00 µg/L
Co 228.616	1655.6	25.08	1.52%	500.00 µg/L
Cr 205.560	622.1	8.83	1.42%	500.00 µg/L
Cu 327.394	7308.5	0.54	0.01%	500.00 µg/L
Fe 238.204	4764.5	8.07	0.17%	500.00 µg/L
K 766.514	18795.3	103.12	0.55%	5.00 mg/L
Li 670.781	80066.7	761.19	0.95%	500.00 µg/L
Mg 279.074	6739.7	37.53	0.56%	5.00 mg/L
Mn 257.610	38730.8	142.47	0.37%	500.00 µg/L
Mo 202.031	344.4	2.08	0.60%	500.00 µg/L
Na 589.594	79619.1	522.44	0.66%	5.00 mg/L
Ni 231.603	956.8	3.09	0.32%	500.00 µg/L
Pb 220.353	139.5	4.50	3.23%	500.00 µg/L
Sb 206.831	506.4	7.89	1.56%	2500.00 µg/L
Se 196.026	409.2	9.63	2.35%	2500.00 µg/L
Si 251.611	13416.8	33.53	0.25%	2500.00 µg/L
Sn 189.933	276.7	1.34	0.48%	2500.00 µg/L
Sr 407.771	711663.5	6640.35	0.93%	500.00 µg/L
Ti 334.941	49524.8	185.63	0.37%	500.00 µg/L
Tl 190.800	449.0	7.91	1.76%	2500.00 µg/L
V 292.402	7546.3	32.82	0.43%	500.00 µg/L
Zn 206.200	1144.4	7.56	0.66%	500.00 µg/L

Replicate Data

ID: 0B18004-CAL5 Date: 2/18/10 8:06:30 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units
1	Sc 357.253	443577.1	443577.1	101.6	µg/L
1	Y 360.064	274312.7	274312.7	101.7	µg/L
1	Ag 328.068	25971.2	25557.6	1000.00	µg/L
1	Al 396.140	39455.2	38826.9	5000.00	µg/L
1	As 188.979	902.7	888.3	5000.00	µg/L
1	B 249.773	10362.7	10197.7	1000.00	µg/L
1	Ba 455.403	641008.7	630800.4	1000.00	µg/L
1	Be 234.861	9060.1	8915.8	100.00	µg/L
1	Ca 315.887	107640.0	105925.8	10.00	mg/L
1	Cd 214.438	6954.9	6844.1	1000.00	µg/L
1	Ce 413.765	6850.9	6741.8	1000.00	µg/L
1	Co 228.616	3399.8	3345.6	1000.00	µg/L
1	Cr 205.560	1191.0	1172.0	1000.00	µg/L
1	Cu 327.394	14412.9	14183.4	1000.00	µg/L
1	Fe 238.204	9500.6	9349.3	1000.00	µg/L
1	K 766.514	35632.2	35064.7	10.00	mg/L
1	Li 670.781	158791.0	156262.2	1000.00	µg/L
1	Mg 279.074	13415.6	13202.0	10.00	mg/L
1	Mn 257.610	77570.5	76335.1	1000.00	µg/L
1	Mo 202.031	677.9	667.1	1000.00	µg/L
1	Na 589.594	155414.9	152939.9	10.00	mg/L
1	Ni 231.603	1808.0	1779.2	1000.00	µg/L
1	Pb 220.353	277.8	273.4	1000.00	µg/L
1	Sb 206.831	1028.4	1012.0	5000.00	µg/L
1	Se 196.026	754.4	742.4	5000.00	µg/L
1	Si 251.611	25417.8	25013.0	5000.00	µg/L
1	Sn 189.933	548.1	539.4	5000.00	µg/L
1	Sr 407.771	1413902.7	1391385.9	1000.00	µg/L
1	Ti 334.941	97520.4	95967.3	1000.00	µg/L
1	Tl 190.800	865.0	851.3	5000.00	µg/L
1	V 292.402	15481.0	15234.4	1000.00	µg/L
1	Zn 206.200	2283.0	2246.6	1000.00	µg/L
2	Sc 357.253	439601.8	439601.8	100.7	µg/L

2 Y 360.064	271658.5	271658.5	100.8	µg/L
2 Ag 328.068	25756.2	25575.2	1000.00	µg/L
2 Al 396.140	39201.9	38926.4	5000.00	µg/L
2 As 188.979	904.6	898.3	5000.00	µg/L
2 B 249.773	10459.4	10385.9	1000.00	µg/L
2 Ba 455.403	640310.8	635811.8	1000.00	µg/L
2 Be 234.861	8961.7	8898.7	100.00	µg/L
2 Ca 315.887	106835.9	106085.2	10.00	mg/L
2 Cd 214.438	6903.1	6854.6	1000.00	µg/L
2 Ce 413.765	6820.0	6772.1	1000.00	µg/L
2 Co 228.616	3329.7	3306.3	1000.00	µg/L
2 Cr 205.560	1200.8	1192.4	1000.00	µg/L
2 Cu 327.394	14454.9	14353.4	1000.00	µg/L
2 Fe 238.204	9421.1	9354.9	1000.00	µg/L
2 K 766.514	35511.4	35261.9	10.00	mg/L
2 Li 670.781	158488.8	157375.2	1000.00	µg/L
2 Mg 279.074	13268.7	13175.5	10.00	mg/L
2 Mn 257.610	77009.9	76468.8	1000.00	µg/L
2 Mo 202.031	682.0	677.2	1000.00	µg/L
2 Na 589.594	155430.6	154338.5	10.00	mg/L
2 Ni 231.603	1811.3	1798.6	1000.00	µg/L
2 Pb 220.353	277.3	275.4	1000.00	µg/L
2 Sb 206.831	1028.1	1020.9	5000.00	µg/L
2 Se 196.026	746.7	741.5	5000.00	µg/L
2 Si 251.611	25227.9	25050.6	5000.00	µg/L
2 Sn 189.933	554.5	550.6	5000.00	µg/L
2 Sr 407.771	1412712.2	1402786.1	1000.00	µg/L
2 Ti 334.941	96865.3	96184.7	1000.00	µg/L
2 Tl 190.800	870.9	864.7	5000.00	µg/L
2 V 292.402	15315.7	15208.1	1000.00	µg/L
2 Zn 206.200	2288.8	2272.7	1000.00	µg/L

Mean Data ----------

ID: 0B18004-CAL5 Seq. No.: 6 A/S Pos: 5
Data: Original Date: 2/18/10 8:06:30 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.253	441589.4	2810.99	0.64%	101.2	µg/L
Y 360.064	272985.6	1876.84	0.69%	101.3	µg/L
Ag 328.068	25566.4	12.44	0.05%	1000.00	µg/L
Al 396.140	38876.6	70.39	0.18%	5000.00	µg/L
As 188.979	893.3	7.05	0.79%	5000.00	µg/L
B 249.773	10291.8	133.06	1.29%	1000.00	µg/L
Ba 455.403	633306.1	3543.58	0.56%	1000.00	µg/L
Be 234.861	8907.2	12.09	0.14%	100.00	µg/L
Ca 315.887	106005.5	112.70	0.11%	10.00	mg/L
Cd 214.438	6849.4	7.44	0.11%	1000.00	µg/L
Ce 413.765	6756.9	21.41	0.32%	1000.00	µg/L
Co 228.616	3326.0	27.81	0.84%	1000.00	µg/L
Cr 205.560	1182.2	14.41	1.22%	1000.00	µg/L
Cu 327.394	14268.4	120.20	0.84%	1000.00	µg/L
Fe 238.204	9352.1	3.94	0.04%	1000.00	µg/L
K 766.514	35163.3	139.46	0.40%	10.00	mg/L
Li 670.781	156818.7	787.02	0.50%	1000.00	µg/L
Mg 279.074	13188.7	18.72	0.14%	10.00	mg/L
Mn 257.610	76402.0	94.51	0.12%	1000.00	µg/L
Mo 202.031	672.2	7.17	1.07%	1000.00	µg/L
Na 589.594	153639.2	988.98	0.64%	10.00	mg/L
Ni 231.603	1788.9	13.69	0.77%	1000.00	µg/L
Pb 220.353	274.4	1.39	0.51%	1000.00	µg/L
Sb 206.831	1016.4	6.29	0.62%	5000.00	µg/L
Se 196.026	741.9	0.63	0.09%	5000.00	µg/L
Si 251.611	25031.8	26.62	0.11%	5000.00	µg/L
Sn 189.933	545.0	7.95	1.46%	5000.00	µg/L
Sr 407.771	1397086.0	8061.18	0.58%	1000.00	µg/L
Ti 334.941	96076.0	153.72	0.16%	1000.00	µg/L
Tl 190.800	858.0	9.53	1.11%	5000.00	µg/L
V 292.402	15221.2	18.64	0.12%	1000.00	µg/L
Zn 206.200	2259.7	18.41	0.81%	1000.00	µg/L

Calibration Summary ----------

Method: AQU_6010C_101 Date: 2/18/10 8:07:17 AM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
Ag 328.068	4	Linear	-80.0	25.7	0.00000	0.999984
Al 396.140	4	Linear	131.8	7.8	0.00000	0.999954
As 188.979	4	Linear	8.5	0.2	0.00000	0.999897
B 249.773	4	Linear	201.7	10.1	0.00000	0.999863
Ba 455.403	4	Linear	9600.5	625.7	0.00000	0.999962
Be 234.861	4	Linear	113.0	88.0	0.00000	0.999995
Ca 315.887	4	Linear	150.3	10607.1	0.00000	0.999969
Cd 214.438	4	Linear	46.7	6.8	0.00000	0.999987
Ce 413.765	1	Linear	99.7	6.7	0.00000	1.000000
Co 228.616	4	Linear	-14.4	3.3	0.00000	0.999995
Cr 205.560	4	Linear	59.2	1.1	0.00000	0.999995
Cu 327.394	4	Linear	-43.2	14.4	0.00000	0.999889
Fe 238.204	4	Linear	92.7	9.3	0.00000	0.999988
K 766.514	4	Linear	2120.2	3310.3	0.00000	0.999983
Li 670.781	4	Linear	568.8	156.8	0.00000	0.999955
Mg 279.074	4	Linear	3.7	1324.2	0.00000	0.999924
Mn 257.610	4	Linear	-9.1	76.6	0.00000	0.999971
Mo 202.031	3	Linear	9.7	0.7	0.00000	0.999915
Na 589.594	4	Linear	3164.2	15097.7	0.00000	0.999950
Ni 231.603	4	Linear	91.2	1.7	0.00000	0.999938
Pb 220.353	4	Linear	-8.0	0.3	0.00000	0.999454
Sb 206.831	4	Linear	3.4	0.2	0.00000	0.999923
Se 196.026	4	Linear	68.2	0.1	0.00000	0.999932
Si 251.611	4	Linear	1190.5	4.8	0.00000	0.999898
Sn 189.933	4	Linear	-1.4	0.1	0.00000	0.999951
Sr 407.771	4	Linear	4006.2	1397.4	0.00000	0.999961
Ti 334.941	3	Linear	1921.7	94.4	0.00000	0.999977
Tl 190.800	4	Linear	18.1	0.2	0.00000	0.999865
V 292.402	4	Linear	-310.2	15.6	0.00000	0.999965
Zn 206.200	4	Linear	3.5	2.3	0.00000	0.999981

Replicate Data

ID: 0B18004-SCV1 Date: 2/18/10 8:09:57 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	438140.6	438140.6	100.4	µg/L		
1	Y 360.064	270953.8	270953.8	100.5	µg/L		
1	Ag 328.068	13140.1	13091.3	512.799	µg/L		
1	Al 396.140	19699.1	19626.0	2507.72	µg/L		
1	As 188.979	457.7	456.0	2517.09	µg/L		
1	B 249.773	5332.9	5313.1	505.537	µg/L		
1	Ba 455.403	326306.8	325094.6	504.226	µg/L		
1	Be 234.861	4629.5	4612.3	51.1052	µg/L		
1	Ca 315.887	55273.1	55067.8	5.17520	mg/L		
1	Cd 214.438	3539.1	3525.9	510.507	µg/L		
1	Ce 413.765	47.7	47.5	-7.83922	µg/L		
1	Co 228.616	1692.7	1686.4	509.096	µg/L		
1	Cr 205.560	637.9	635.5	512.979	µg/L		
1	Cu 327.394	7282.5	7255.4	507.209	µg/L		
1	Fe 238.204	4895.3	4877.1	515.778	µg/L		
1	K 766.514	18878.4	18808.3	5.04218	mg/L		
1	Li 670.781	80875.4	80575.0	510.269	µg/L		
1	Mg 279.074	6982.2	6956.3	5.25003	mg/L		
1	Mn 257.610	39404.2	39257.8	512.461	µg/L		
1	Mo 202.031	351.7	350.4	512.994	µg/L		
1	Na 589.594	79479.9	79184.6	5.03407	mg/L		
1	Ni 231.603	971.4	967.8	514.368	µg/L		
1	Pb 220.353	138.4	137.9	512.033	µg/L		
1	Sb 206.831	442.4	440.7	2160.38	µg/L		
1	Se 196.026	421.4	419.9	2602.49	µg/L		
1	Si 251.611	13320.3	13270.8	2520.48	µg/L		
1	Sn 189.933	284.2	283.2	2595.10	µg/L		
1	Sr 407.771	725500.1	722805.0	514.365	µg/L		
1	Ti 334.941	51246.2	51055.8	520.698	µg/L		
1	Tl 190.800	462.9	461.2	2625.76	µg/L		

1	V 292.402	7619.6	7591.3	507.432 µg/L
1	Zn 206.200	1155.2	1150.9	507.437 µg/L
2	Sc 357.253	437787.8	437787.8	100.3 µg/L
2	Y 360.064	270162.9	270162.9	100.2 µg/L
2	Ag 328.068	13063.3	13025.2	510.226 µg/L
2	Al 396.140	19687.0	19629.7	2508.20 µg/L
2	As 188.979	451.2	449.9	2482.91 µg/L
2	B 249.773	5388.5	5372.8	511.441 µg/L
2	Ba 455.403	328004.6	327049.5	507.350 µg/L
2	Be 234.861	4651.6	4638.0	51.3975 µg/L
2	Ca 315.887	55489.2	55327.6	5.19970 mg/L
2	Cd 214.438	3541.7	3531.4	511.310 µg/L
2	Ce 413.765	148.0	147.5	7.18231 µg/L
2	Co 228.616	1686.7	1681.8	507.708 µg/L
2	Cr 205.560	639.9	638.0	515.211 µg/L
2	Cu 327.394	7353.9	7332.5	512.564 µg/L
2	Fe 238.204	4901.7	4887.5	516.895 µg/L
2	K 766.514	18863.4	18808.4	5.04221 mg/L
2	Li 670.781	81429.5	81192.4	514.207 µg/L
2	Mg 279.074	6912.9	6892.8	5.20209 mg/L
2	Mn 257.610	39570.9	39455.7	515.043 µg/L
2	Mo 202.031	348.0	347.0	507.859 µg/L
2	Na 589.594	80008.2	79775.2	5.07320 mg/L
2	Ni 231.603	965.6	962.8	511.470 µg/L
2	Pb 220.353	140.3	139.9	518.916 µg/L
2	Sb 206.831	442.7	441.4	2163.55 µg/L
2	Se 196.026	410.2	409.0	2521.92 µg/L
2	Si 251.611	13369.0	13330.1	2532.85 µg/L
2	Sn 189.933	279.7	278.9	2555.67 µg/L
2	Sr 407.771	729404.6	727280.6	517.568 µg/L
2	Ti 334.941	51362.3	51212.8	522.362 µg/L
2	Tl 190.800	460.3	459.0	2612.59 µg/L
2	V 292.402	7677.8	7655.5	511.555 µg/L
2	Zn 206.200	1162.0	1158.7	510.865 µg/L

Mean Data

ID: 0B18004-SCV1 Seq. No.: 7 Sample No.: 1 A/S Pos: 9
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 8:09:57 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	437964.2	100.3	0.06	µg/L				0.06%
Y 360.064	270558.4	100.4	0.21	µg/L				0.21%
Ag 328.068	13058.3	511.513	1.8200	µg/L				0.36%
Al 396.140	19627.8	2507.96	0.341	µg/L				0.01%
As 188.979	452.9	2500.00	24.170	µg/L				0.97%
B 249.773	5343.0	508.489	4.1752	µg/L				0.82%
Ba 455.403	326072.1	505.788	2.2092	µg/L				0.44%
Be 234.861	4625.2	51.2514	0.20666	µg/L				0.40%
Ca 315.887	55197.7	5.18745	0.017327	mg/L				0.33%
Cd 214.438	3528.7	510.908	0.5680	µg/L				0.11%
Ce 413.765	97.5	-0.328457	10.6218218	µg/L				>999.9%
Co 228.616	1684.1	508.402	0.9815	µg/L				0.19%
Cr 205.560	636.8	514.095	1.5787	µg/L				0.31%
Cu 327.394	7294.0	509.887	3.7863	µg/L				0.74%
Fe 238.204	4882.3	516.337	0.7898	µg/L				0.15%
K 766.514	18808.4	5.04219	0.000026	mg/L				0.00%
Li 670.781	80883.7	512.238	2.7844	µg/L				0.54%
Mg 279.074	6924.5	5.22606	0.033901	mg/L				0.65%
Mn 257.610	39356.7	513.752	1.8258	µg/L				0.36%
Mo 202.031	348.7	510.427	3.6312	µg/L				0.71%
Na 589.594	79479.9	5.05363	0.027669	mg/L				0.55%
Ni 231.603	965.3	512.919	2.0488	µg/L				0.40%
Pb 220.353	138.9	515.475	4.8671	µg/L				0.94%
Sb 206.831	441.1	2161.96	2.241	µg/L				0.10%
*QC exceeds lower limit for Sb 206.831 Recovery = 86.48% Action = Continue								
Se 196.026	414.4	2562.20	56.971	µg/L				2.22%
Si 251.611	13300.5	2526.66	8.749	µg/L				0.35%
Sn 189.933	281.0	2575.39	27.882	µg/L				1.08%
Sr 407.771	725042.8	515.966	2.2646	µg/L				0.44%

Ti 334.941	51134.3	521.530	1.1763 µg/L	0.23%
Tl 190.800	460.1	2619.18	9.311 µg/L	0.36%
V 292.402	7623.4	509.493	2.9148 µg/L	0.57%
Zn 206.200	1154.8	509.151	2.4240 µg/L	0.48%

Replicate Data

ID: 0B18004-CCB Date: 2/18/10 8:13:19 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	434135.1	434135.1	99.5	µg/L		
1	Y 360.064	269136.1	269136.1	99.8	µg/L		
1	Ag 328.068	-127.7	-128.4	-1.88384	µg/L		
1	Al 396.140	18.9	19.0	-14.5156	µg/L		
1	As 188.979	4.8	4.8	-20.3723	µg/L		
1	B 249.773	211.2	212.3	1.05188	µg/L		
1	Ba 455.403	8548.3	8595.1	-1.60679	µg/L		
1	Be 234.861	97.3	97.8	-0.172109	µg/L		
1	Ca 315.887	-356.0	-357.9	-0.0479153	mg/L		
1	Cd 214.438	34.6	34.8	-1.74953	µg/L		
1	Ce 413.765	126.5	127.1	4.11896	µg/L		
1	Co 228.616	-17.8	-17.9	-1.02940	µg/L		
1	Cr 205.560	55.8	56.1	-2.82236	µg/L		
1	Cu 327.394	-65.9	-66.3	-1.60314	µg/L		
1	Fe 238.204	109.0	109.6	1.82669	µg/L		
1	K 766.514	1878.7	1889.0	-0.0698388	mg/L		
1	Li 670.781	286.2	287.8	-1.79207	µg/L		
1	Mg 279.074	1.7	1.7	-0.0014793	mg/L		
1	Mn 257.610	-154.3	-155.2	-1.90613	µg/L		
1	Mo 202.031	6.1	6.2	-5.37075	µg/L		
1	Na 589.594	2673.6	2688.3	-0.0315259	mg/L		
1	Ni 231.603	106.8	107.4	9.47141	µg/L		
1	Pb 220.353	-5.7	-5.7	7.97161	µg/L		
1	Sb 206.831	2.9	2.9	-2.87813	µg/L		
1	Se 196.026	73.6	74.0	42.8258	µg/L		
1	Si 251.611	1163.3	1169.7	-4.33517	µg/L		
1	Sn 189.933	-1.9	-1.9	-4.68909	µg/L		
1	Sr 407.771	841.0	845.6	-2.26170	µg/L		
1	Ti 334.941	1680.4	1689.6	-2.45981	µg/L		
1	Tl 190.800	17.3	17.4	-3.81755	µg/L		
1	V 292.402	-341.0	-342.8	-2.09700	µg/L		
1	Zn 206.200	-1.6	-1.6	-2.25934	µg/L		
2	Sc 357.253	432689.6	432689.6	99.1	µg/L		
2	Y 360.064	268125.8	268125.8	99.5	µg/L		
2	Ag 328.068	-42.8	-43.2	1.43579	µg/L		
2	Al 396.140	-148.4	-149.8	-36.2219	µg/L		
2	As 188.979	-2.7	-2.7	-62.8060	µg/L		
2	B 249.773	164.2	165.7	-3.56179	µg/L		
2	Ba 455.403	8508.1	8583.3	-1.62570	µg/L		
2	Be 234.861	98.5	99.3	-0.154899	µg/L		
2	Ca 315.887	-246.2	-248.3	-0.0375847	mg/L		
2	Cd 214.438	44.5	44.9	-0.264856	µg/L		
2	Ce 413.765	24.6	24.8	-11.2574	µg/L		
2	Co 228.616	-19.5	-19.6	-1.55347	µg/L		
2	Cr 205.560	53.0	53.5	-5.14357	µg/L		
2	Cu 327.394	-108.3	-109.3	-4.59293	µg/L		
2	Fe 238.204	95.8	96.6	0.424508	µg/L		
2	K 766.514	2082.9	2101.3	-0.0057056	mg/L		
2	Li 670.781	380.2	383.6	-1.18104	µg/L		
2	Mg 279.074	0.3	0.3	-0.0025435	mg/L		
2	Mn 257.610	-168.7	-170.2	-2.10257	µg/L		
2	Mo 202.031	10.2	10.3	0.859988	µg/L		
2	Na 589.594	2735.1	2759.3	-0.0268225	mg/L		
2	Ni 231.603	81.6	82.3	-5.24630	µg/L		
2	Pb 220.353	-6.5	-6.6	4.99838	µg/L		
2	Sb 206.831	-0.9	-0.9	-21.7116	µg/L		
2	Se 196.026	61.6	62.2	-44.2765	µg/L		
2	Si 251.611	1160.0	1170.3	-4.20935	µg/L		
2	Sn 189.933	-3.9	-4.0	-23.6810	µg/L		
2	Sr 407.771	778.2	785.1	-2.30503	µg/L		

2 Ti 334.941	1698.0	1713.0	-2.21165	µg/L
2 Tl 190.800	17.9	18.0	-0.271215	µg/L
2 V 292.402	-344.2	-347.2	-2.37948	µg/L
2 Zn 206.200	3.1	3.1	-0.197471	µg/L

Mean Data

ID: 0B18004-CCB Seq. No.: 8 Sample No.: 2 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 8:13:19 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	433412.4	99.3	0.23	µg/L				0.24%
Y 360.064	268630.9	99.6	0.26	µg/L				0.27%
Ag 328.068	-85.8	-0.224023	2.3473307	µg/L				>999.9%
Al 396.140	-65.4	-25.3687	15.34873	µg/L				60.50%
As 188.979	1.1	-41.5892	30.00516	µg/L				72.15%
B 249.773	189.0	-1.25496	3.262361	µg/L				259.96%
Ba 455.403	8589.2	-1.61625	0.013368	µg/L				0.83%
Be 234.861	98.6	-0.163504	0.0121690	µg/L				7.44%
Ca 315.887	-303.1	-0.0427500	0.00730483	mg/L				17.09%
Cd 214.438	39.8	-1.00719	1.049825	µg/L				104.23%
Ce 413.765	76.0	-3.56924	10.872754	µg/L				304.62%
Co 228.616	-18.7	-1.29143	0.370572	µg/L				28.69%
Cr 205.560	54.8	-3.98296	1.641343	µg/L				41.21%
Cu 327.394	-87.8	-3.09803	2.114103	µg/L				68.24%
Fe 238.204	103.1	1.12560	0.991495	µg/L				88.09%
K 766.514	1995.1	-0.0377722	0.04534905	mg/L				120.06%
Li 670.781	335.7	-1.48656	0.432062	µg/L				29.06%
Mg 279.074	1.0	-0.0020114	0.00075247	mg/L				37.41%
Mn 257.610	-162.7	-2.00435	0.138906	µg/L				6.93%
Mo 202.031	8.2	-2.25538	4.405795	µg/L				195.35%
Na 589.594	2723.8	-0.0291742	0.00332581	mg/L				11.40%
Ni 231.603	94.8	2.11255	10.406991	µg/L				492.63%
Pb 220.353	-6.1	6.48499	2.102393	µg/L				32.42%
Sb 206.831	1.0	-12.2948	13.31724	µg/L				108.32%
Se 196.026	68.1	-0.725393	61.5906275	µg/L				>999.9%
Si 251.611	1170.0	-4.27226	0.088971	µg/L				2.08%
Sn 189.933	-2.9	-14.1850	13.42930	µg/L				94.67%
Sr 407.771	815.3	-2.28336	0.030633	µg/L				1.34%
Ti 334.941	1701.3	-2.33573	0.175470	µg/L				7.51%
Tl 190.800	17.7	-2.04438	2.507635	µg/L				122.66%
V 292.402	-345.0	-2.23824	0.199748	µg/L				8.92%
Zn 206.200	0.8	-1.22840	1.457961	µg/L				118.69%

Replicate Data

ID: 0B18004-CRL1 Date: 2/18/10 8:16:39 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	437909.8	437909.8	100.3	µg/L		
1	Y 360.064	271865.8	271865.8	100.8	µg/L		
1	Ag 328.068	231.7	230.9	12.1068	µg/L		
1	Al 396.140	1106.4	1102.8	124.911	µg/L		
1	As 188.979	48.8	48.7	226.227	µg/L		
1	B 249.773	1202.4	1198.6	98.5941	µg/L		
1	Ba 455.403	21829.7	21760.1	19.4336	µg/L		
1	Be 234.861	281.6	280.7	1.90520	µg/L		
1	Ca 315.887	11227.3	11191.5	1.04039	mg/L		
1	Cd 214.438	115.5	115.2	10.0494	µg/L		
1	Ce 413.765	138.1	137.7	5.70424	µg/L		
1	Co 228.616	70.5	70.3	25.3683	µg/L		
1	Cr 205.560	91.3	91.0	28.2828	µg/L		
1	Cu 327.394	300.6	299.7	23.8272	µg/L		
1	Fe 238.204	293.3	292.4	21.5309	µg/L		
1	K 766.514	2661.3	2652.8	0.160906	mg/L		
1	Li 670.781	2967.9	2958.4	15.2408	µg/L		
1	Mg 279.074	1444.4	1439.8	1.08447	mg/L		
1	Mn 257.610	1499.9	1495.1	19.6312	µg/L		
1	Mo 202.031	147.2	146.7	206.210	µg/L		
1	Na 589.594	19279.0	19217.5	1.06329	mg/L		

1	Ni 231.603	115.0	114.6	13.7078	µg/L
1	Pb 220.353	23.4	23.4	109.985	µg/L
1	Sb 206.831	47.5	47.4	217.115	µg/L
1	Se 196.026	106.1	105.7	277.830	µg/L
1	Si 251.611	2212.1	2205.0	211.683	µg/L
1	Sn 189.933	22.3	22.2	214.915	µg/L
1	Sr 407.771	151463.5	150980.4	105.173	µg/L
1	Ti 334.941	21279.1	21211.2	204.420	µg/L
1	Tl 190.800	56.0	55.8	223.636	µg/L
1	V 292.402	-43.6	-43.5	17.1264	µg/L
1	Zn 206.200	50.7	50.6	20.8004	µg/L
2	Sc 357.253	434888.7	434888.7	99.6	µg/L
2	Y 360.064	269886.1	269886.1	100.1	µg/L
2	Ag 328.068	166.5	167.2	9.62409	µg/L
2	Al 396.140	940.2	943.7	104.438	µg/L
2	As 188.979	40.8	41.0	182.969	µg/L
2	B 249.773	1200.1	1204.6	99.1914	µg/L
2	Ba 455.403	22185.9	22268.8	20.2465	µg/L
2	Be 234.861	272.3	273.3	1.82077	µg/L
2	Ca 315.887	11242.5	11284.5	1.04917	mg/L
2	Cd 214.438	108.3	108.7	9.09576	µg/L
2	Ce 413.765	125.2	125.7	3.90074	µg/L
2	Co 228.616	69.5	69.7	25.1950	µg/L
2	Cr 205.560	69.5	69.7	9.33398	µg/L
2	Cu 327.394	269.4	270.4	21.7958	µg/L
2	Fe 238.204	304.9	306.0	23.0020	µg/L
2	K 766.514	2663.9	2673.8	0.167246	mg/L
2	Li 670.781	3058.5	3069.9	15.9517	µg/L
2	Mg 279.074	1444.3	1449.7	1.09195	mg/L
2	Mn 257.610	1605.7	1611.7	21.1533	µg/L
2	Mo 202.031	143.4	143.9	201.992	µg/L
2	Na 589.594	19203.0	19274.8	1.06708	mg/L
2	Ni 231.603	104.0	104.4	7.73774	µg/L
2	Pb 220.353	23.2	23.3	109.772	µg/L
2	Sb 206.831	46.5	46.7	213.497	µg/L
2	Se 196.026	106.5	106.9	286.268	µg/L
2	Si 251.611	2167.8	2175.9	205.611	µg/L
2	Sn 189.933	18.6	18.7	182.630	µg/L
2	Sr 407.771	152215.3	152783.8	106.464	µg/L
2	Ti 334.941	21439.0	21519.1	207.683	µg/L
2	Tl 190.800	56.9	57.1	231.228	µg/L
2	V 292.402	-13.6	-13.7	19.0421	µg/L
2	Zn 206.200	49.1	49.3	20.2446	µg/L

Mean Data

ID: 0B18004-CRL1 Seq. No.: 9 Sample No.: 3 A/S Pos: 10
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 8:16:39 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	436399.3	100.0	0.49	µg/L				0.49%
Y 360.064	270876.0	100.5	0.52	µg/L				0.52%
Ag 328.068	199.0	10.8655	1.75555	µg/L				16.16%
Al 396.140	1023.3	114.675	14.4765	µg/L				12.62%
As 188.979	44.8	204.598	30.5886	µg/L				14.95%
B 249.773	1201.6	98.8927	0.42234	µg/L				0.43%
Ba 455.403	22014.4	19.8401	0.57485	µg/L				2.90%
Be 234.861	277.0	1.86298	0.059702	µg/L				3.20%
Ca 315.887	11238.0	1.04478	0.006211	mg/L				0.59%
Cd 214.438	111.9	9.57260	0.674361	µg/L				7.04%
Ce 413.765	131.7	4.80249	1.275265	µg/L				26.55%
Co 228.616	70.0	25.2817	0.12249	µg/L				0.48%
Cr 205.560	80.4	18.8084	13.39881	µg/L				71.24%
Cu 327.394	285.0	22.8115	1.43638	µg/L				6.30%
Fe 238.204	299.2	22.2665	1.04023	µg/L				4.67%
K 766.514	2663.3	0.164076	0.0044832	mg/L				2.73%
Li 670.781	3014.2	15.5963	0.50266	µg/L				3.22%
Mg 279.074	1444.7	1.08821	0.005290	mg/L				0.49%
Mn 257.610	1553.4	20.3923	1.07623	µg/L				5.28%
Mo 202.031	145.3	204.101	2.9826	µg/L				1.46%

Na 589.594	19246.2	1.06519	0.002680	mg/L	0.25%
Ni 231.603	109.5	10.7228	4.22147	µg/L	39.37%
Pb 220.353	23.3	109.878	0.1502	µg/L	0.14%
Sb 206.831	47.0	215.306	2.5584	µg/L	1.19%
Se 196.026	106.3	282.049	5.9669	µg/L	2.12%
Si 251.611	2190.5	208.647	4.2934	µg/L	2.06%
Sn 189.933	20.4	198.773	22.8289	µg/L	11.48%
Sr 407.771	151882.1	105.818	0.9125	µg/L	0.86%
Ti 334.941	21365.1	206.051	2.3072	µg/L	1.12%
Tl 190.800	56.4	227.432	5.3687	µg/L	2.36%
V 292.402	-28.6	18.0842	1.35464	µg/L	7.49%
Zn 206.200	49.9	20.5225	0.39295	µg/L	1.91%

Replicate Data

ID: 0B18004-IFA1 Date: 2/18/10 8:20:04 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	438500.6	438500.6	100.5	µg/L		
1	Y 360.064	271071.6	271071.6	100.5	µg/L		
1	Ag 328.068	-120.0	-119.4	-1.53389	µg/L		
1	Al 396.140	778778.7	775248.6	99710.8	µg/L		
1	As 188.979	13.9	13.8	29.9108	µg/L		
1	B 249.773	1289.0	1283.2	0.478863	µg/L		
1	Ba 455.403	8421.5	8383.4	-1.94526	µg/L		
1	Be 234.861	576.0	573.3	0.358389	µg/L		
1	Ca 315.887	1057765.8	1052971.1	99.2799	mg/L		
1	Cd 214.438	159.8	159.1	7.90877	µg/L		
1	Ce 413.765	190.6	189.7	13.5171	µg/L		
1	Co 228.616	45.7	45.5	2.34408	µg/L		
1	Cr 205.560	63.2	62.9	3.28832	µg/L		
1	Cu 327.394	-196.7	-195.8	-0.0431597	µg/L		
1	Fe 238.204	367152.0	365487.8	39390.9	µg/L		
1	K 766.514	2088.5	2079.1	0.0115878	mg/L		
1	Li 670.781	356.5	354.9	-1.36404	µg/L		
1	Mg 279.074	131542.4	130946.1	98.8747	mg/L		
1	Mn 257.610	18.4	18.3	0.357565	µg/L		
1	Mo 202.031	-6.4	-6.3	-24.2286	µg/L		
1	Na 589.594	2831.9	2819.0	-0.0067523	mg/L		
1	Ni 231.603	89.9	89.5	-1.02277	µg/L		
1	Pb 220.353	-14.9	-14.9	-24.1914	µg/L		
1	Sb 206.831	-4.6	-4.6	-39.5662	µg/L		
1	Se 196.026	55.3	55.0	-97.3241	µg/L		
1	Si 251.611	3585.9	3569.7	128.958	µg/L		
1	Sn 189.933	-29.3	-29.1	-253.310	µg/L		
1	Sr 407.771	1850.9	1842.5	-1.54835	µg/L		
1	Ti 334.941	1876.1	1867.6	-0.574215	µg/L		
1	Tl 190.800	12.8	12.8	-31.3207	µg/L		
1	V 292.402	-299.7	-298.3	0.759641	µg/L		
1	Zn 206.200	5.5	5.5	0.849194	µg/L		
2	Sc 357.253	440513.3	440513.3	100.9	µg/L		
2	Y 360.064	272282.2	272282.2	101.0	µg/L		
2	Ag 328.068	-103.7	-102.8	-0.885109	µg/L		
2	Al 396.140	790250.4	783074.1	100717	µg/L		
2	As 188.979	-5.3	-5.2	-76.9077	µg/L		
2	B 249.773	1288.4	1276.7	-1.37600	µg/L		
2	Ba 455.403	8502.4	8425.2	-1.87848	µg/L		
2	Be 234.861	519.9	515.2	-0.357613	µg/L		
2	Ca 315.887	1073942.4	1064189.8	100.338	mg/L		
2	Cd 214.438	171.0	169.5	9.33951	µg/L		
2	Ce 413.765	80.9	80.1	-2.94592	µg/L		
2	Co 228.616	44.5	44.1	1.77136	µg/L		
2	Cr 205.560	76.3	75.6	14.5556	µg/L		
2	Cu 327.394	-128.9	-127.7	4.80190	µg/L		
2	Fe 238.204	373029.6	369642.1	39838.8	µg/L		
2	K 766.514	2048.3	2029.7	-0.0030750	mg/L		
2	Li 670.781	367.6	364.3	-1.30431	µg/L		
2	Mg 279.074	133422.2	132210.6	99.8294	mg/L		
2	Mn 257.610	-22.2	-22.0	-0.167846	µg/L		
2	Mo 202.031	6.1	6.0	-5.58609	µg/L		

2 Na 589.594	2809.5	2784.0	-0.0089069	mg/L
2 Ni 231.603	113.2	112.1	12.2651	µg/L
2 Pb 220.353	-15.9	-15.8	-27.4462	µg/L
2 Sb 206.831	0.3	0.3	-15.4509	µg/L
2 Se 196.026	63.8	63.3	-36.3913	µg/L
2 Si 251.611	3654.8	3621.6	136.244	µg/L
2 Sn 189.933	-28.4	-28.1	-244.034	µg/L
2 Sr 407.771	1920.0	1902.6	-1.50533	µg/L
2 Ti 334.941	1925.3	1907.8	-0.147259	µg/L
2 Tl 190.800	19.4	19.3	7.12095	µg/L
2 V 292.402	-324.5	-321.6	-0.732136	µg/L
2 Zn 206.200	7.0	6.9	1.48728	µg/L

Mean Data

ID: 0B18004-IFA1 Seq. No.: 10 Sample No.: 4 A/S Pos: 11
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 8:20:04 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	439507.0	100.7	0.33	µg/L				0.32%
Y 360.064	271676.9	100.8	0.32	µg/L				0.32%
Ag 328.068	-111.1	-1.20950	0.458759	µg/L				37.93%
Al 396.140	779161.3	100214	711.8	µg/L				0.71%
As 188.979	4.3	-23.4984	75.53206	µg/L				321.43%
B 249.773	1279.9	-0.448571	1.3115897	µg/L				292.39%
Ba 455.403	8404.3	-1.91187	0.047224	µg/L				2.47%
Be 234.861	544.3	0.0003881	0.50628965	µg/L				>999.9%
Ca 315.887	1058580.5	99.8089	0.74805	mg/L				0.75%
Cd 214.438	164.3	8.62414	1.011682	µg/L				11.73%
Ce 413.765	134.9	5.28560	11.641122	µg/L				220.24%
Co 228.616	44.8	2.05772	0.404975	µg/L				19.68%
Cr 205.560	69.3	8.92196	7.967170	µg/L				89.30%
Cu 327.394	-161.7	2.37937	3.425978	µg/L				143.99%
Fe 238.204	367564.9	39614.8	316.68	µg/L				0.80%
K 766.514	2054.4	0.0042564	0.01036816	mg/L				243.59%
Li 670.781	359.6	-1.33418	0.042236	µg/L				3.17%
Mg 279.074	131578.4	99.3521	0.67513	mg/L				0.68%
Mn 257.610	-1.8	0.0948595	0.37152197	µg/L				391.65%
Mo 202.031	-0.2	-14.9073	13.18223	µg/L				88.43%
Na 589.594	2801.5	-0.0078296	0.00152356	mg/L				19.46%
Ni 231.603	100.8	5.62118	9.395965	µg/L				167.15%
Pb 220.353	-15.3	-25.8188	2.30152	µg/L				8.91%
Sb 206.831	-2.1	-27.5086	17.05205	µg/L				61.99%
Se 196.026	59.1	-66.8577	43.08598	µg/L				64.44%
Si 251.611	3595.6	132.601	5.1515	µg/L				3.88%
Sn 189.933	-28.6	-248.672	6.5593	µg/L				2.64%
*QC exceeds lower limit for Sn 189.933 Action = Continue								
Sr 407.771	1872.5	-1.52684	0.030423	µg/L				1.99%
Ti 334.941	1887.7	-0.360737	0.3019030	µg/L				83.69%
Tl 190.800	16.0	-12.0999	27.18237	µg/L				224.65%
V 292.402	-310.0	0.0137524	1.05484580	µg/L				>999.9%
Zn 206.200	6.2	1.16823	0.451191	µg/L				38.62%

Replicate Data

ID: 0B18004-IFA2 Date: 2/18/10 8:23:30 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	447298.0	447298.0	102.5	µg/L		
1	Y 360.064	277429.4	277429.4	102.9	µg/L		
1	Ag 328.068	-1107.5	-1080.8	-12.0507	µg/L		
1	Al 396.140	660.7	644.8	65.9880	µg/L		
1	As 188.979	31.4	30.6	-7.60309	µg/L		
1	B 249.773	255.2	249.0	4.67678	µg/L		
1	Ba 455.403	8334.9	8133.9	-2.34394	µg/L		
1	Be 234.861	150.9	147.3	0.389742	µg/L		
1	Ca 315.887	-200.9	-196.1	-0.0206714	mg/L		
1	Cd 214.438	133.1	129.9	2.16957	µg/L		
1	Ce 413.765	-38.0	-37.1	-20.5513	µg/L		
1	Co 228.616	84.0	82.0	-2.90676	µg/L		

1	Cr 205.560	23481.3	22915.1	20312.4	µg/L
1	Cu 327.394	308897.4	301449.4	20964.4	µg/L
1	Fe 238.204	184.0	179.6	9.36715	µg/L
1	K 766.514	2052.0	2002.5	-0.0266945	mg/L
1	Li 670.781	800.0	780.7	1.35151	µg/L
1	Mg 279.074	159.9	156.0	0.0360734	mg/L
1	Mn 257.610	1610057.8	1571237.1	20505.9	µg/L
1	Mo 202.031	2.2	2.2	-11.3898	µg/L
1	Na 589.594	3788.5	3697.2	0.0534133	mg/L
1	Ni 231.603	36375.8	35498.7	20778.4	µg/L
1	Pb 220.353	-12.1	-11.8	-13.4266	µg/L
1	Sb 206.831	60.0	58.6	-56.0889	µg/L
1	Se 196.026	35.6	34.7	-114.367	µg/L
1	Si 251.611	5011.0	4890.2	-184.902	µg/L
1	Sn 189.933	-5.3	-5.2	-34.6611	µg/L
1	Sr 407.771	458.3	447.3	-2.54672	µg/L
1	Ti 334.941	1965809.3	1918411.0	20310.0	µg/L
1	Tl 190.800	-42.8	-41.7	-9.52298	µg/L
1	V 292.402	321131.2	313388.3	20130.0	µg/L
1	Zn 206.200	15.8	15.4	-7.70575	µg/L
2	Sc 357.253	441912.9	441912.9	101.2	µg/L
2	Y 360.064	273608.8	273608.8	101.5	µg/L
2	Ag 328.068	-1019.4	-1006.9	-8.93875	µg/L
2	Al 396.140	653.3	645.3	66.0552	µg/L
2	As 188.979	40.8	40.3	45.9956	µg/L
2	B 249.773	254.7	251.6	4.92938	µg/L
2	Ba 455.403	8415.4	8312.5	-2.05847	µg/L
2	Be 234.861	112.9	111.6	-0.0161603	µg/L
2	Ca 315.887	-98.5	-97.3	-0.0112758	mg/L
2	Cd 214.438	128.5	126.9	1.55230	µg/L
2	Ce 413.765	-10.6	-10.5	-16.5519	µg/L
2	Co 228.616	83.8	82.7	-2.94103	µg/L
2	Cr 205.560	23588.3	23300.0	20654.6	µg/L
2	Cu 327.394	307290.2	303535.3	21109.4	µg/L
2	Fe 238.204	181.9	179.7	9.38393	µg/L
2	K 766.514	2011.2	1986.6	-0.0314028	mg/L
2	Li 670.781	523.2	516.8	-0.331566	µg/L
2	Mg 279.074	164.2	162.2	0.0403531	mg/L
2	Mn 257.610	1603045.4	1583457.2	20665.4	µg/L
2	Mo 202.031	7.0	6.9	-4.26262	µg/L
2	Na 589.594	3640.1	3595.6	0.0468413	mg/L
2	Ni 231.603	36568.0	36121.1	21143.7	µg/L
2	Pb 220.353	-3.9	-3.8	14.5448	µg/L
2	Sb 206.831	92.1	91.0	98.5049	µg/L
2	Se 196.026	50.9	50.3	1.91245	µg/L
2	Si 251.611	5273.4	5209.0	-126.152	µg/L
2	Sn 189.933	-3.9	-3.9	-22.9213	µg/L
2	Sr 407.771	373.9	369.4	-2.60249	µg/L
2	Ti 334.941	1957905.4	1933981.1	20475.0	µg/L
2	Tl 190.800	-35.9	-35.5	30.1864	µg/L
2	V 292.402	320052.6	316141.8	20306.8	µg/L
2	Zn 206.200	-17.5	-17.3	-22.3860	µg/L

Mean Data ----------

ID: 0B18004-IFA2 Seq. No.: 11 Sample No.: 5 A/S Pos: 12

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 2/18/10 8:23:30 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Sc 357.253	444605.4	101.9	0.87	µg/L				0.86%
Y 360.064	275519.1	102.2	1.00	µg/L				0.98%
Ag 328.068	-1043.9	-10.4947	2.20048	µg/L				20.97%
Al 396.140	645.1	66.0216	0.04751	µg/L				0.07%
As 188.979	35.5	19.1963	37.90001	µg/L				197.43%
B 249.773	250.3	4.80308	0.178617	µg/L				3.72%
Ba 455.403	8223.2	-2.20121	0.201855	µg/L				9.17%
Be 234.861	129.4	0.186791	0.2870166	µg/L				153.66%
Ca 315.887	-146.7	-0.0159736	0.00664364	mg/L				41.59%
Cd 214.438	128.4	1.86094	0.436476	µg/L				23.45%
Ce 413.765	-23.8	-18.5516	2.82797	µg/L				15.24%

Co 228.616	82.4	-2.92390	0.024230	µg/L	0.83%
Cr 205.560	23107.6	20483.5	241.98	µg/L	1.18%
Cu 327.394	302492.4	21036.9	102.57	µg/L	0.49%
Fe 238.204	179.6	9.37554	0.011870	µg/L	0.13%
K 766.514	1994.5	-0.0290486	0.00332931	mg/L	11.46%
Li 670.781	648.7	0.509970	1.1901111	µg/L	233.37%
Mg 279.074	159.1	0.0382133	0.00302619	mg/L	7.92%
Mn 257.610	1577347.2	20585.6	112.77	µg/L	0.55%
Mo 202.031	4.5	-7.82619	5.039649	µg/L	64.39%
Na 589.594	3646.4	0.0501273	0.00464714	mg/L	9.27%
Ni 231.603	35809.9	20961.0	258.28	µg/L	1.23%
Pb 220.353	-7.8	0.559135	19.7787776	µg/L	>999.9%
Sb 206.831	74.8	21.2080	109.31434	µg/L	515.44%
Se 196.026	42.5	-56.2271	82.22168	µg/L	146.23%
Si 251.611	5049.6	-155.527	41.5424	µg/L	26.71%
Sn 189.933	-4.5	-28.7912	8.30130	µg/L	28.83%
Sr 407.771	408.3	-2.57461	0.039432	µg/L	1.53%
Ti 334.941	1926196.0	20392.5	116.68	µg/L	0.57%
Tl 190.800	-38.6	10.3317	28.07876	µg/L	271.77%
V 292.402	314765.0	20218.4	124.95	µg/L	0.62%
Zn 206.200	-0.9	-15.0459	10.38048	µg/L	68.99%

Replicate Data ----------

ID: 0B18004-IFB1 Date: 2/18/10 8:26:59 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	436081.4	436081.4	99.9	µg/L		
1	Y 360.064	269470.1	269470.1	100.0	µg/L		
1	Ag 328.068	25509.7	25535.0	997.266	µg/L		
1	Al 396.140	790261.9	791044.0	101743	µg/L		
1	As 188.979	9.1	9.1	3.38678	µg/L		
1	B 249.773	1304.1	1305.4	0.663120	µg/L		
1	Ba 455.403	293736.2	294026.9	454.573	µg/L		
1	Be 234.861	5031.9	5036.8	50.9645	µg/L		
1	Ca 315.887	1070868.8	1071928.6	101.066	mg/L		
1	Cd 214.438	6896.2	6903.0	997.266	µg/L		
1	Ce 413.765	93.2	93.3	-0.962465	µg/L		
1	Co 228.616	1677.2	1678.9	490.973	µg/L		
1	Cr 205.560	638.7	639.4	516.419	µg/L		
1	Cu 327.394	7049.9	7056.8	504.157	µg/L		
1	Fe 238.204	372027.7	372395.9	40135.6	µg/L		
1	K 766.514	2036.4	2038.4	-0.0000415	mg/L		
1	Li 670.781	413.5	413.9	-0.987988	µg/L		
1	Mg 279.074	133372.9	133504.9	100.806	mg/L		
1	Mn 257.610	38491.8	38529.9	502.962	µg/L		
1	Mo 202.031	4.9	4.9	-7.30694	µg/L		
1	Na 589.594	2899.8	2902.7	-0.0009035	mg/L		
1	Ni 231.603	1779.9	1781.6	991.973	µg/L		
1	Pb 220.353	267.7	268.0	968.626	µg/L		
1	Sb 206.831	-1.2	-1.2	-23.0286	µg/L		
1	Se 196.026	64.0	64.0	-30.7791	µg/L		
1	Si 251.611	3777.2	3780.9	165.854	µg/L		
1	Sn 189.933	-24.0	-24.0	-206.270	µg/L		
1	Sr 407.771	1868.7	1870.6	-1.52825	µg/L		
1	Ti 334.941	2023.0	2025.0	1.09380	µg/L		
1	Tl 190.800	16.8	16.8	-7.50505	µg/L		
1	V 292.402	7635.0	7642.5	510.726	µg/L		
1	Zn 206.200	2224.2	2226.4	983.092	µg/L		
2	Sc 357.253	433565.4	433565.4	99.3	µg/L		
2	Y 360.064	267607.9	267607.9	99.3	µg/L		
2	Ag 328.068	25438.7	25611.7	1000.25	µg/L		
2	Al 396.140	795196.0	800602.2	102972	µg/L		
2	As 188.979	7.7	7.8	-4.02173	µg/L		
2	B 249.773	1309.0	1317.9	0.397056	µg/L		
2	Ba 455.403	295179.0	297185.8	459.622	µg/L		
2	Be 234.861	5037.8	5072.1	51.2964	µg/L		
2	Ca 315.887	1078338.4	1085669.5	102.362	mg/L		
2	Cd 214.438	6853.2	6899.8	996.684	µg/L		
2	Ce 413.765	90.7	91.3	-1.26234	µg/L		

2 Co 228.616	1655.5	1666.7	487.110	µg/L
2 Cr 205.560	643.7	648.1	524.188	µg/L
2 Cu 327.394	7106.9	7155.2	511.133	µg/L
2 Fe 238.204	374996.8	377546.2	40690.9	µg/L
2 K 766.514	1814.0	1826.3	-0.0637893	mg/L
2 Li 670.781	150.0	151.0	-2.66428	µg/L
2 Mg 279.074	134550.2	135464.9	102.286	mg/L
2 Mn 257.610	38576.9	38839.2	506.998	µg/L
2 Mo 202.031	-2.0	-2.0	-17.7586	µg/L
2 Na 589.594	2801.5	2820.5	-0.0061206	mg/L
2 Ni 231.603	1774.9	1787.0	995.141	µg/L
2 Pb 220.353	256.0	257.8	932.764	µg/L
2 Sb 206.831	6.9	6.9	17.0614	µg/L
2 Se 196.026	69.6	70.0	13.7050	µg/L
2 Si 251.611	3711.2	3736.4	151.064	µg/L
2 Sn 189.933	-21.4	-21.6	-184.392	µg/L
2 Sr 407.771	2028.7	2042.5	-1.40524	µg/L
2 Ti 334.941	1927.9	1941.0	0.204531	µg/L
2 Tl 190.800	7.8	7.8	-60.7857	µg/L
2 V 292.402	7590.0	7641.6	510.668	µg/L
2 Zn 206.200	2220.4	2235.4	987.082	µg/L

Mean Data

ID: 0B18004-IFB1 Seq. No.: 12 Sample No.: 6 A/S Pos: 13
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 8:26:59 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Sc 357.253	434823.4	99.6	0.41	µg/L				0.41%
Y 360.064	268539.0	99.6	0.49	µg/L				0.49%
Ag 328.068	25573.3	998.760	2.1122	µg/L				0.21%
Al 396.140	795823.1	102357	869.4	µg/L				0.85%
As 188.979	8.4	-0.317477	5.2386105	µg/L				>999.9%
B 249.773	1311.6	0.530088	0.1881356	µg/L				35.49%
Ba 455.403	295606.4	457.098	3.5699	µg/L				0.78%
Be 234.861	5054.5	51.1304	0.23465	µg/L				0.46%
Ca 315.887	1078799.1	101.714	0.9163	mg/L				0.90%
Cd 214.438	6901.4	996.975	0.4114	µg/L				0.04%
Ce 413.765	92.3	-1.11240	0.212043	µg/L				19.06%
Co 228.616	1672.8	489.041	2.7320	µg/L				0.56%
Cr 205.560	643.7	520.303	5.4931	µg/L				1.06%
Cu 327.394	7106.0	507.645	4.9330	µg/L				0.97%
Fe 238.204	374971.1	40413.2	392.60	µg/L				0.97%
K 766.514	1932.3	-0.0319154	0.04507655	mg/L				141.24%
Li 670.781	282.5	-1.82613	1.185318	µg/L				64.91%
Mg 279.074	134484.9	101.546	1.0465	mg/L				1.03%
Mn 257.610	38684.6	504.980	2.8539	µg/L				0.57%
Mo 202.031	1.4	-12.5328	7.39044	µg/L				58.97%
Na 589.594	2861.6	-0.0035121	0.00368901	mg/L				105.04%
Ni 231.603	1784.3	993.557	2.2403	µg/L				0.23%
Pb 220.353	262.9	950.695	25.3586	µg/L				2.67%
Sb 206.831	2.8	-2.98363	28.347897	µg/L				950.12%
Se 196.026	67.0	-8.53706	31.455068	µg/L				368.45%
Si 251.611	3758.7	158.459	10.4577	µg/L				6.60%
Sn 189.933	-22.8	-195.331	15.4702	µg/L				7.92%
Sr 407.771	1956.5	-1.46675	0.086976	µg/L				5.93%
Ti 334.941	1983.0	0.649167	0.6288097	µg/L				96.86%
Tl 190.800	12.3	-34.1454	37.67509	µg/L				110.34%
V 292.402	7642.1	510.697	0.0408	µg/L				0.01%
Zn 206.200	2230.9	985.087	2.8212	µg/L				0.29%

Replicate Data

ID: 0B18004-IFB2 Date: 2/18/10 8:30:28 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	441056.8	441056.8	101.0	µg/L		
1	Y 360.064	273213.6	273213.6	101.3	µg/L		
1	Ag 328.068	-1066.6	-1055.6	-11.2624	µg/L		
1	Al 396.140	8784.0	8693.5	1101.38	µg/L		

1	As 188.979	225.2	222.9	1074.65	µg/L
1	B 249.773	10117.9	10013.7	970.439	µg/L
1	Ba 455.403	8695.6	8606.0	-1.58941	µg/L
1	Be 234.861	144.6	143.1	0.341836	µg/L
1	Ca 315.887	55631.5	55058.4	5.18653	mg/L
1	Cd 214.438	121.7	120.4	0.836434	µg/L
1	Ce 413.765	22.9	22.7	-11.5688	µg/L
1	Co 228.616	90.1	89.1	-0.590530	µg/L
1	Cr 205.560	23106.3	22868.2	20270.8	µg/L
1	Cu 327.394	299594.6	296508.2	20620.9	µg/L
1	Fe 238.204	213.1	210.9	12.7458	µg/L
1	K 766.514	2241.0	2217.9	0.0391321	mg/L
1	Li 670.781	711.5	704.2	0.863659	µg/L
1	Mg 279.074	7080.8	7007.8	5.21180	mg/L
1	Mn 257.610	1573100.2	1556894.0	20318.7	µg/L
1	Mo 202.031	668.9	662.0	982.256	µg/L
1	Na 589.594	81660.0	80818.8	5.15922	mg/L
1	Ni 231.603	35680.4	35312.8	20669.3	µg/L
1	Pb 220.353	-2.8	-2.8	18.1641	µg/L
1	Sb 206.831	277.8	275.0	1013.74	µg/L
1	Se 196.026	181.2	179.4	954.932	µg/L
1	Si 251.611	4901.9	4851.4	-187.550	µg/L
1	Sn 189.933	-6.7	-6.6	-48.0334	µg/L
1	Sr 407.771	1271.5	1258.4	-1.96633	µg/L
1	Ti 334.941	1927365.7	1907509.9	20194.5	µg/L
1	Tl 190.800	138.3	136.9	1046.01	µg/L
1	V 292.402	314376.0	311137.3	19999.8	µg/L
1	Zn 206.200	-11.3	-11.2	-19.4742	µg/L
2	Sc 357.253	435974.5	435974.5	99.9	µg/L
2	Y 360.064	269800.3	269800.3	100.1	µg/L
2	Ag 328.068	-1007.7	-1008.9	-9.01098	µg/L
2	Al 396.140	8718.1	8728.8	1105.92	µg/L
2	As 188.979	224.5	224.8	1083.50	µg/L
2	B 249.773	10225.3	10237.9	992.618	µg/L
2	Ba 455.403	8699.4	8710.1	-1.42304	µg/L
2	Be 234.861	131.5	131.7	0.212049	µg/L
2	Ca 315.887	55701.8	55770.7	5.25377	mg/L
2	Cd 214.438	129.2	129.4	2.04086	µg/L
2	Ce 413.765	-11.9	-12.0	-16.7765	µg/L
2	Co 228.616	77.1	77.2	-4.64978	µg/L
2	Cr 205.560	23088.1	23116.6	20491.5	µg/L
2	Cu 327.394	300311.7	300682.7	20911.2	µg/L
2	Fe 238.204	179.4	179.6	9.37096	µg/L
2	K 766.514	2069.6	2072.1	-0.0047720	mg/L
2	Li 670.781	810.7	811.7	1.54934	µg/L
2	Mg 279.074	7098.3	7107.1	5.28552	mg/L
2	Mn 257.610	1577851.9	1579800.8	20617.6	µg/L
2	Mo 202.031	687.9	688.7	1022.46	µg/L
2	Na 589.594	81835.1	81936.2	5.23341	mg/L
2	Ni 231.603	35651.7	35695.7	20894.0	µg/L
2	Pb 220.353	-8.5	-8.5	-1.77152	µg/L
2	Sb 206.831	277.6	277.9	1024.65	µg/L
2	Se 196.026	182.2	182.4	979.196	µg/L
2	Si 251.611	5139.9	5146.2	-140.746	µg/L
2	Sn 189.933	-1.5	-1.5	-1.18143	µg/L
2	Sr 407.771	1306.0	1307.6	-1.93111	µg/L
2	Ti 334.941	1934579.4	1936968.9	20506.7	µg/L
2	Tl 190.800	139.7	139.8	1068.36	µg/L
2	V 292.402	315808.6	316198.7	20325.2	µg/L
2	Zn 206.200	0.6	0.6	-14.4034	µg/L

Mean Data

ID: 0B18004-IFB2 Seq. No.: 13 Sample No.: 7 A/S Pos: 14
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 8:30:28 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Sc 357.253	438515.6	100.5	0.82	µg/L				0.82%
Y 360.064	271506.9	100.7	0.90	µg/L				0.89%
Ag 328.068	-1032.3	-10.1367	1.59202	µg/L				15.71%

Al 396.140	8711.2	1103.65	3.210	µg/L	0.29%
As 188.979	223.8	1079.07	6.262	µg/L	0.58%
B 249.773	10125.8	981.528	15.6829	µg/L	1.60%
Ba 455.403	8658.1	-1.50622	0.117641	µg/L	7.81%
Be 234.861	137.4	0.276942	0.0917739	µg/L	33.14%
Ca 315.887	55414.5	5.22015	0.047543	mg/L	0.91%
Cd 214.438	124.9	1.43865	0.851661	µg/L	59.20%
Ce 413.765	5.4	-14.1726	3.68238	µg/L	25.98%
Co 228.616	83.2	-2.62016	2.870326	µg/L	109.55%
Cr 205.560	22992.4	20381.1	156.02	µg/L	0.77%
Cu 327.394	298595.4	20766.1	205.27	µg/L	0.99%
Fe 238.204	195.3	11.0584	2.38634	µg/L	21.58%
K 766.514	2145.0	0.0171801	0.03104488	mg/L	180.70%
Li 670.781	758.0	1.20650	0.484850	µg/L	40.19%
Mg 279.074	7057.5	5.24866	0.052128	mg/L	0.99%
Mn 257.610	1568347.4	20468.2	211.39	µg/L	1.03%
Mo 202.031	675.4	1002.36	28.426	µg/L	2.84%
Na 589.594	81377.5	5.19631	0.052459	mg/L	1.01%
Ni 231.603	35504.2	20781.7	158.89	µg/L	0.76%
Pb 220.353	-5.6	8.19631	14.096644	µg/L	171.99%
Sb 206.831	276.4	1019.20	7.714	µg/L	0.76%
Se 196.026	180.9	967.064	17.1575	µg/L	1.77%
Si 251.611	4998.8	-164.148	33.0957	µg/L	20.16%
Sn 189.933	-4.1	-24.6074	33.12934	µg/L	134.63%
Sr 407.771	1283.0	-1.94872	0.024904	µg/L	1.28%
Ti 334.941	1922239.4	20350.6	220.75	µg/L	1.08%
Tl 190.800	138.4	1057.18	15.802	µg/L	1.49%
V 292.402	313668.0	20162.5	230.08	µg/L	1.14%
Zn 206.200	-5.3	-16.9388	3.58559	µg/L	21.17%

Replicate Data

ID: 0B18004-CCV Date: 2/18/10 8:33:58 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	439745.5	439745.5	100.7	µg/L		
1	Y 360.064	272465.0	272465.0	101.1	µg/L		
1	Ag 328.068	12958.6	12863.3	503.922	µg/L		
1	Al 396.140	19789.0	19643.5	2509.98	µg/L		
1	As 188.979	457.7	454.4	2507.92	µg/L		
1	B 249.773	5312.6	5273.6	501.625	µg/L		
1	Ba 455.403	324362.3	321978.0	499.245	µg/L		
1	Be 234.861	4577.4	4543.8	50.3270	µg/L		
1	Ca 315.887	53633.2	53239.0	5.00281	mg/L		
1	Cd 214.438	3465.3	3439.8	497.876	µg/L		
1	Ce 413.765	61.5	61.0	-5.81466	µg/L		
1	Co 228.616	1660.0	1647.8	497.538	µg/L		
1	Cr 205.560	632.0	627.3	505.691	µg/L		
1	Cu 327.394	7267.4	7214.0	504.328	µg/L		
1	Fe 238.204	4885.0	4849.1	512.755	µg/L		
1	K 766.514	18796.2	18658.0	4.99676	mg/L		
1	Li 670.781	79811.8	79225.2	501.660	µg/L		
1	Mg 279.074	6815.1	6765.0	5.10559	mg/L		
1	Mn 257.610	38989.3	38702.7	505.217	µg/L		
1	Mo 202.031	349.3	346.7	507.403	µg/L		
1	Na 589.594	79755.7	79169.4	5.03307	mg/L		
1	Ni 231.603	947.5	940.6	498.413	µg/L		
1	Pb 220.353	144.5	143.5	531.609	µg/L		
1	Sb 206.831	522.7	518.8	2546.27	µg/L		
1	Se 196.026	433.4	430.3	2679.36	µg/L		
1	Si 251.611	13364.7	13266.4	2519.56	µg/L		
1	Sn 189.933	280.9	278.9	2555.69	µg/L		
1	Sr 407.771	709690.9	704474.1	501.247	µg/L		
1	Ti 334.941	49846.8	49480.4	504.003	µg/L		
1	Tl 190.800	451.1	447.8	2546.54	µg/L		
1	V 292.402	7580.0	7524.3	503.129	µg/L		
1	Zn 206.200	1154.4	1146.0	505.243	µg/L		
2	Sc 357.253	437782.2	437782.2	100.3	µg/L		
2	Y 360.064	271154.2	271154.2	100.6	µg/L		
2	Ag 328.068	13030.5	12992.7	508.959	µg/L		

2 Al 396.140	19891.7	19834.1	2534.49	µg/L
2 As 188.979	453.5	452.2	2495.64	µg/L
2 B 249.773	5385.6	5370.0	511.165	µg/L
2 Ba 455.403	325781.9	324837.4	503.815	µg/L
2 Be 234.861	4559.4	4546.2	50.3541	µg/L
2 Ca 315.887	53800.3	53644.3	5.04101	mg/L
2 Cd 214.438	3486.3	3476.2	503.206	µg/L
2 Ce 413.765	-18.7	-18.7	-17.7858	µg/L
2 Co 228.616	1664.8	1660.0	501.184	µg/L
2 Cr 205.560	634.3	632.5	510.282	µg/L
2 Cu 327.394	7358.5	7337.2	512.890	µg/L
2 Fe 238.204	4867.3	4853.1	513.196	µg/L
2 K 766.514	18939.4	18884.5	5.06517	mg/L
2 Li 670.781	80098.3	79866.0	505.747	µg/L
2 Mg 279.074	6726.4	6706.9	5.06172	mg/L
2 Mn 257.610	39092.4	38979.1	508.823	µg/L
2 Mo 202.031	346.2	345.2	505.099	µg/L
2 Na 589.594	80030.7	79798.7	5.07476	mg/L
2 Ni 231.603	959.2	956.4	507.712	µg/L
2 Pb 220.353	133.7	133.3	495.970	µg/L
2 Sb 206.831	515.7	514.2	2523.52	µg/L
2 Se 196.026	425.9	424.7	2638.19	µg/L
2 Si 251.611	13460.2	13421.2	2551.86	µg/L
2 Sn 189.933	281.1	280.2	2568.21	µg/L
2 Sr 407.771	712458.2	710392.6	505.483	µg/L
2 Ti 334.941	49963.5	49818.6	507.587	µg/L
2 Tl 190.800	458.8	457.5	2603.92	µg/L
2 V 292.402	7578.5	7556.5	505.199	µg/L
2 Zn 206.200	1141.6	1138.3	501.870	µg/L

Mean Data ----------

ID: 0B18004-CCV Seq. No.: 14 Sample No.: 8 A/S Pos: 4
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 8:33:58 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	438763.9	100.5	0.32	µg/L				0.32%
Y 360.064	271809.6	100.8	0.34	µg/L				0.34%
Ag 328.068	12928.0	506.441	3.5614	µg/L				0.70%
Al 396.140	19738.8	2522.23	17.332	µg/L				0.69%
As 188.979	453.3	2501.78	8.681	µg/L				0.35%
B 249.773	5321.8	506.395	6.7461	µg/L				1.33%
Ba 455.403	323407.7	501.530	3.2315	µg/L				0.64%
Be 234.861	4545.0	50.3405	0.01910	µg/L				0.04%
Ca 315.887	53441.6	5.02191	0.027012	mg/L				0.54%
Cd 214.438	3458.0	500.541	3.7688	µg/L				0.75%
Ce 413.765	21.2	-11.8002	8.46488	µg/L				71.73%
Co 228.616	1653.9	499.361	2.5780	µg/L				0.52%
Cr 205.560	629.9	507.987	3.2461	µg/L				0.64%
Cu 327.394	7275.6	508.609	6.0543	µg/L				1.19%
Fe 238.204	4851.1	512.975	0.3114	µg/L				0.06%
K 766.514	18771.2	5.03096	0.048378	mg/L				0.96%
Li 670.781	79545.6	503.703	2.8903	µg/L				0.57%
Mg 279.074	6736.0	5.08366	0.031024	mg/L				0.61%
Mn 257.610	38840.9	507.020	2.5502	µg/L				0.50%
Mo 202.031	345.9	506.251	1.6289	µg/L				0.32%
Na 589.594	79484.1	5.05391	0.029478	mg/L				0.58%
Ni 231.603	948.5	503.062	6.5751	µg/L				1.31%
Pb 220.353	138.4	513.790	25.2009	µg/L				4.90%
Sb 206.831	516.5	2534.89	16.091	µg/L				0.63%
Se 196.026	427.5	2658.77	29.111	µg/L				1.09%
Si 251.611	13343.8	2535.71	22.837	µg/L				0.90%
Sn 189.933	279.6	2561.95	8.850	µg/L				0.35%
Sr 407.771	707433.4	503.365	2.9948	µg/L				0.59%
Ti 334.941	49649.5	505.795	2.5342	µg/L				0.50%
Tl 190.800	452.7	2575.23	40.573	µg/L				1.58%
V 292.402	7540.4	504.164	1.4638	µg/L				0.29%
Zn 206.200	1142.1	503.556	2.3852	µg/L				0.47%

Replicate Data ----------

ID: 0B18004-CCB Date: 2/18/10 8:37:22 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	431823.3	431823.3	98.9	µg/L		
1	Y 360.064	267708.4	267708.4	99.3	µg/L		
1	Ag 328.068	-65.6	-66.3	0.535591	µg/L		
1	Al 396.140	8.8	8.9	-15.8180	µg/L		
1	As 188.979	4.1	4.1	-24.5156	µg/L		
1	B 249.773	191.2	193.3	-0.832678	µg/L		
1	Ba 455.403	8434.7	8526.3	-1.71677	µg/L		
1	Be 234.861	124.3	125.7	0.144054	µg/L		
1	Ca 315.887	-276.5	-279.5	-0.0405253	mg/L		
1	Cd 214.438	50.5	51.0	0.639656	µg/L		
1	Ce 413.765	81.5	82.4	-2.60637	µg/L		
1	Co 228.616	-17.0	-17.1	-0.812512	µg/L		
1	Cr 205.560	58.4	59.0	-0.194362	µg/L		
1	Cu 327.394	37.8	38.2	5.65759	µg/L		
1	Fe 238.204	101.9	103.0	1.11836	µg/L		
1	K 766.514	2180.9	2204.5	0.0254883	mg/L		
1	Li 670.781	123.0	124.4	-2.83439	µg/L		
1	Mg 279.074	-14.0	-14.1	-0.0134807	mg/L		
1	Mn 257.610	-117.2	-118.4	-1.42697	µg/L		
1	Mo 202.031	5.9	5.9	-5.74616	µg/L		
1	Na 589.594	2684.2	2713.3	-0.0298651	mg/L		
1	Ni 231.603	93.9	94.9	2.15655	µg/L		
1	Pb 220.353	-9.9	-10.0	-7.18546	µg/L		
1	Sb 206.831	-5.6	-5.7	-45.1015	µg/L		
1	Se 196.026	77.2	78.0	72.6527	µg/L		
1	Si 251.611	1141.7	1154.1	-7.59126	µg/L		
1	Sn 189.933	-2.6	-2.6	-11.5878	µg/L		
1	Sr 407.771	803.0	811.7	-2.28592	µg/L		
1	Ti 334.941	1718.3	1737.0	-1.95805	µg/L		
1	Tl 190.800	13.0	13.1	-29.3722	µg/L		
1	V 292.402	-270.9	-273.8	2.33425	µg/L		
1	Zn 206.200	1.5	1.6	-0.873583	µg/L		
2	Sc 357.253	428549.2	428549.2	98.2	µg/L		
2	Y 360.064	265768.2	265768.2	98.6	µg/L		
2	Ag 328.068	-134.0	-136.5	-2.19854	µg/L		
2	Al 396.140	-55.6	-56.7	-24.2471	µg/L		
2	As 188.979	5.7	5.8	-14.8266	µg/L		
2	B 249.773	171.6	174.8	-2.65955	µg/L		
2	Ba 455.403	8521.1	8679.4	-1.47211	µg/L		
2	Be 234.861	85.4	87.0	-0.294853	µg/L		
2	Ca 315.887	-188.1	-191.6	-0.0322374	mg/L		
2	Cd 214.438	42.4	43.2	-0.508285	µg/L		
2	Ce 413.765	-49.7	-50.6	-22.5836	µg/L		
2	Co 228.616	-5.1	-5.2	2.76130	µg/L		
2	Cr 205.560	50.6	51.6	-6.81910	µg/L		
2	Cu 327.394	-6.4	-6.5	2.55059	µg/L		
2	Fe 238.204	112.8	114.9	2.39946	µg/L		
2	K 766.514	2018.9	2056.4	-0.0192645	mg/L		
2	Li 670.781	256.9	261.6	-1.95892	µg/L		
2	Mg 279.074	-57.3	-58.3	-0.0468613	mg/L		
2	Mn 257.610	-143.8	-146.4	-1.79205	µg/L		
2	Mo 202.031	3.2	3.3	-9.72919	µg/L		
2	Na 589.594	2631.3	2680.2	-0.0320577	mg/L		
2	Ni 231.603	75.7	77.2	-8.27003	µg/L		
2	Pb 220.353	-17.1	-17.4	-33.1521	µg/L		
2	Sb 206.831	-4.2	-4.3	-38.0798	µg/L		
2	Se 196.026	78.3	79.8	85.6963	µg/L		
2	Si 251.611	1145.4	1166.7	-4.95153	µg/L		
2	Sn 189.933	-1.8	-1.8	-4.24747	µg/L		
2	Sr 407.771	766.6	780.8	-2.30806	µg/L		
2	Ti 334.941	1796.1	1829.4	-0.978090	µg/L		
2	Tl 190.800	18.9	19.2	6.83511	µg/L		
2	V 292.402	-299.3	-304.8	0.343996	µg/L		
2	Zn 206.200	-9.3	-9.5	-5.74959	µg/L		

Mean Data

ID: 0B18004-CCB Seq. No.: 15 Sample No.: 9 A/S Pos: 1

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 8:37:22 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	430186.2	98.6	0.53	µg/L				0.54%
Y 360.064	266738.3	98.9	0.51	µg/L				0.51%
Ag 328.068	-101.4	-0.831475	1.9333230	µg/L				232.52%
Al 396.140	-23.9	-20.0325	5.96027	µg/L				29.75%
As 188.979	5.0	-19.6711	6.85113	µg/L				34.83%
B 249.773	184.1	-1.74611	1.291792	µg/L				73.98%
Ba 455.403	8602.9	-1.59444	0.173006	µg/L				10.85%
Be 234.861	106.3	-0.0753994	0.31035471	µg/L				411.61%
Ca 315.887	-235.6	-0.0363813	0.00586043	mg/L				16.11%
Cd 214.438	47.1	0.0656850	0.81171680	µg/L				>999.9%
Ce 413.765	15.9	-12.5950	14.12604	µg/L				112.16%
Co 228.616	-11.2	0.974394	2.5270664	µg/L				259.35%
Cr 205.560	55.3	-3.50673	4.684400	µg/L				133.58%
Cu 327.394	15.8	4.10409	2.196976	µg/L				53.53%
Fe 238.204	109.0	1.75891	0.905877	µg/L				51.50%
K 766.514	2130.5	0.0031119	0.03164503	mg/L				>999.9%
Li 670.781	193.0	-2.39666	0.619049	µg/L				25.83%
Mg 279.074	-36.2	-0.0301710	0.02360364	mg/L				78.23%
Mn 257.610	-132.4	-1.60951	0.258151	µg/L				16.04%
Mo 202.031	4.6	-7.73768	2.816428	µg/L				36.40%
Na 589.594	2696.8	-0.0309614	0.00155041	mg/L				5.01%
Ni 231.603	86.0	-3.05674	7.372702	µg/L				241.19%
Pb 220.353	-13.7	-20.1688	18.36120	µg/L				91.04%
Sb 206.831	-5.0	-41.5907	4.96508	µg/L				11.94%
Se 196.026	78.9	79.1745	9.22324	µg/L				11.65%
Si 251.611	1160.4	-6.27140	1.866574	µg/L				29.76%
Sn 189.933	-2.2	-7.91761	5.190365	µg/L				65.55%
Sr 407.771	796.3	-2.29699	0.015653	µg/L				0.68%
Ti 334.941	1783.2	-1.46807	0.692936	µg/L				47.20%
Tl 190.800	16.2	-11.2686	25.60246	µg/L				227.20%
V 292.402	-289.3	1.33912	1.407319	µg/L				105.09%
Zn 206.200	-3.9	-3.31159	3.447861	µg/L				104.12%

Replicate Data
ID: 1001397-blk1 Date: 2/18/10 8:40:42 AM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	451224.5	451224.5	103.4	µg/L		
1	Y 360.064	280423.4	280423.4	104.0	µg/L		
1	Ag 328.068	-43.8	-42.4	1.46643	µg/L	1.46643	µg/L
1	Al 396.140	-18.1	-17.5	-19.2078	µg/L	-19.2078	µg/L
1	As 188.979	-2.7	-2.6	-62.1854	µg/L	-62.1854	µg/L
1	B 249.773	5607.7	5424.9	516.588	µg/L	516.588	µg/L
1	Ba 455.403	10123.7	9793.6	0.308637	µg/L	0.308637	µg/L
1	Be 234.861	92.3	89.3	-0.269384	µg/L	-0.269384	µg/L
1	Ca 315.887	1111.7	1075.5	0.0872190	mg/L	0.0872190	mg/L
1	Cd 214.438	54.1	52.3	0.828630	µg/L	0.828630	µg/L
1	Ce 413.765	48.8	47.3	-7.88207	µg/L	-0.0078821	mg/L
1	Co 228.616	-20.7	-20.1	-1.68104	µg/L	-1.68104	µg/L
1	Cr 205.560	56.9	55.1	-3.70989	µg/L	-3.70989	µg/L
1	Cu 327.394	-29.4	-28.5	1.02504	µg/L	1.02504	µg/L
1	Fe 238.204	137.0	132.6	4.29994	µg/L	4.29994	µg/L
1	K 766.514	2393.9	2315.8	0.0591059	mg/L	0.0591059	mg/L
1	Li 670.781	174.4	168.7	-2.55171	µg/L	-2.55171	µg/L
1	Mg 279.074	27.7	26.8	0.0174133	mg/L	0.0174133	mg/L
1	Mn 257.610	-122.7	-118.7	-1.42981	µg/L	-1.42981	µg/L
1	Mo 202.031	9.7	9.4	-0.538071	µg/L	-0.538071	µg/L
1	Na 589.594	76702.3	74201.6	4.70516	mg/L	4.70516	mg/L
1	Ni 231.603	93.6	90.6	-0.386952	µg/L	-0.386952	µg/L
1	Pb 220.353	-6.4	-6.2	6.22202	µg/L	6.22202	µg/L
1	Sb 206.831	8.6	8.3	24.2086	µg/L	24.2086	µg/L
1	Se 196.026	77.7	75.2	51.9770	µg/L	51.9770	µg/L
1	Si 251.611	3215.8	3110.9	400.693	µg/L	400.693	µg/L
1	Sn 189.933	-0.8	-0.8	5.55735	µg/L	5.55735	µg/L
1	Sr 407.771	932.6	902.2	-2.22122	µg/L	-2.22122	µg/L

1	Ti 334.941	1696.8	1641.5	-2.96967 µg/L	-2.96967 µg/L	
1	Tl 190.800	20.6	20.0	11.3201 µg/L	11.3201 µg/L	
1	V 292.402	-310.0	-299.9	0.658384 µg/L	0.658384 µg/L	
1	Zn 206.200	15.9	15.3	5.22112 µg/L	5.22112 µg/L	
2	Sc 357.253	446544.6	446544.6	102.3 µg/L		
2	Y 360.064	277697.6	277697.6	103.0 µg/L		
2	Ag 328.068	-39.6	-38.7	1.60995 µg/L	1.60995 µg/L	
2	Al 396.140	-5.1	-5.0	-17.6016 µg/L	-17.6016 µg/L	
2	As 188.979	9.6	9.4	5.14723 µg/L	5.14723 µg/L	
2	B 249.773	5664.9	5537.6	527.742 µg/L	527.742 µg/L	
2	Ba 455.403	10015.6	9790.6	0.303840 µg/L	0.303840 µg/L	
2	Be 234.861	97.3	95.1	-0.203069 µg/L	-0.203069 µg/L	
2	Ca 315.887	1089.4	1064.9	0.0862251 mg/L	0.0862251 mg/L	
2	Cd 214.438	47.0	46.0	-0.101464 µg/L	-0.101464 µg/L	
2	Ce 413.765	195.4	191.1	13.7189 µg/L	0.0137189 mg/L	
2	Co 228.616	-18.7	-18.3	-1.16383 µg/L	-1.16383 µg/L	
2	Cr 205.560	60.3	58.9	-0.260124 µg/L	-0.260124 µg/L	
2	Cu 327.394	-33.7	-32.9	0.715906 µg/L	0.715906 µg/L	
2	Fe 238.204	134.2	131.2	4.15328 µg/L	4.15328 µg/L	
2	K 766.514	2202.0	2152.5	0.0097604 mg/L	0.0097604 mg/L	
2	Li 670.781	315.2	308.2	-1.66223 µg/L	-1.66223 µg/L	
2	Mg 279.074	37.4	36.6	0.0248165 mg/L	0.0248165 mg/L	
2	Mn 257.610	-126.8	-123.9	-1.49829 µg/L	-1.49829 µg/L	
2	Mo 202.031	4.3	4.2	-8.30632 µg/L	-8.30632 µg/L	
2	Na 589.594	76832.4	75106.4	4.76509 mg/L	4.76509 mg/L	
2	Ni 231.603	85.2	83.3	-4.66999 µg/L	-4.66999 µg/L	
2	Pb 220.353	-5.3	-5.2	9.86597 µg/L	9.86597 µg/L	
2	Sb 206.831	-3.2	-3.1	-32.5878 µg/L	-32.5878 µg/L	
2	Se 196.026	73.4	71.7	26.2696 µg/L	26.2696 µg/L	
2	Si 251.611	3193.9	3122.1	403.031 µg/L	403.031 µg/L	
2	Sn 189.933	-1.2	-1.1	2.17912 µg/L	2.17912 µg/L	
2	Sr 407.771	990.2	968.0	-2.17412 µg/L	-2.17412 µg/L	
2	Ti 334.941	1711.0	1672.6	-2.64018 µg/L	-2.64018 µg/L	
2	Tl 190.800	11.9	11.6	-37.9916 µg/L	-37.9916 µg/L	
2	V 292.402	-283.9	-277.5	2.09736 µg/L	2.09736 µg/L	
2	Zn 206.200	22.7	22.2	8.23674 µg/L	8.23674 µg/L	

Mean Data ----------

ID: 1001397-blk1 Seq. No.: 16 Sample No.: 1 A/S Pos: 17
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 8:40:42 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	448884.6	102.8	0.76	µg/L				0.74%
Y 360.064	279060.5	103.5	0.71	µg/L				0.69%
Ag 328.068	-40.5	1.53819	0.101488	µg/L	1.53819	0.101488	µg/L	6.60%
Al 396.140	-11.2	-18.4047	1.13576	µg/L	-18.4047	1.13576	µg/L	6.17%
As 188.979	3.4	-28.5191	47.61135	µg/L	-28.5191	47.61135	µg/L	166.95%
B 249.773	5481.2	522.165	7.8871	µg/L	522.165	7.8871	µg/L	1.51%
Ba 455.403	9792.1	0.306239	0.0033921	µg/L	0.306239	0.0033921	µg/L	1.11%
Be 234.861	92.2	-0.236226	0.0468920	µg/L	-0.236226	0.0468920	µg/L	19.85%
Ca 315.887	1070.2	0.0867220	0.00070273	mg/L	0.0867220	0.00070273	mg/L	0.81%
Cd 214.438	49.2	0.363583	0.6576757	µg/L	0.363583	0.6576757	µg/L	180.89%
Ce 413.765	119.2	2.91840	15.274183	µg/L	0.0029184	0.01527418	mg/L	523.37%
Co 228.616	-19.2	-1.42244	0.365719	µg/L	-1.42244	0.365719	µg/L	25.71%
Cr 205.560	57.0	-1.98501	2.439352	µg/L	-1.98501	2.439352	µg/L	122.89%
Cu 327.394	-30.7	0.870471	0.2185891	µg/L	0.870471	0.2185891	µg/L	25.11%
Fe 238.204	131.9	4.22661	0.103708	µg/L	4.22661	0.103708	µg/L	2.45%
K 766.514	2234.2	0.0344332	0.03489249	mg/L	0.0344332	0.03489249	mg/L	101.33%
Li 670.781	238.4	-2.10697	0.628954	µg/L	-2.10697	0.628954	µg/L	29.85%
Mg 279.074	31.7	0.0211149	0.00523485	mg/L	0.0211149	0.00523485	mg/L	24.79%
Mn 257.610	-121.3	-1.46405	0.048420	µg/L	-1.46405	0.048420	µg/L	3.31%
Mo 202.031	6.8	-4.42220	5.492982	µg/L	-4.42220	5.492982	µg/L	124.21%
Na 589.594	74654.0	4.73513	0.042377	mg/L	4.73513	0.042377	mg/L	0.89%
Ni 231.603	86.9	-2.52847	3.028566	µg/L	-2.52847	3.028566	µg/L	119.78%
Pb 220.353	-5.7	8.04399	2.576658	µg/L	8.04399	2.576658	µg/L	32.03%
Sb 206.831	2.6	-4.18957	40.161126	µg/L	-4.18957	40.161126	µg/L	958.60%
Se 196.026	73.5	39.1233	18.17789	µg/L	39.1233	18.17789	µg/L	46.46%
Si 251.611	3116.5	401.862	1.6532	µg/L	401.862	1.6532	µg/L	0.41%
Sn 189.933	-0.9	3.86823	2.388763	µg/L	3.86823	2.388763	µg/L	61.75%

Sr 407.771	935.1	-2.19767	0.033306 µg/L	-2.19767	0.033306 µg/L	1.52%
Ti 334.941	1657.1	-2.80492	0.232983 µg/L	-2.80492	0.232983 µg/L	8.31%
Tl 190.800	15.8	-13.3357	34.86866 µg/L	-13.3357	34.86866 µg/L	261.47%
V 292.402	-288.7	1.37787	1.017512 µg/L	1.37787	1.017512 µg/L	73.85%
Zn 206.200	18.8	6.72893	2.132369 µg/L	6.72893	2.132369 µg/L	31.69%

Replicate Data

ID: 1001397-bs1 Date: 2/18/10 8:44:04 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	446128.2	446128.2	102.2	µg/L		
1	Y 360.064	276911.3	276911.3	102.7	µg/L		
1	Ag 328.068	5981.6	5852.7	230.978	µg/L	230.978	µg/L
1	Al 396.140	9329.8	9128.7	1157.36	µg/L	1157.36	µg/L
1	As 188.979	231.3	226.3	1225.35	µg/L	1225.35	µg/L
1	B 249.773	8047.3	7873.8	758.801	µg/L	758.801	µg/L
1	Ba 455.403	160201.2	156748.5	235.173	µg/L	235.173	µg/L
1	Be 234.861	2252.4	2203.9	23.7493	µg/L	23.7493	µg/L
1	Ca 315.887	130264.5	127456.9	12.0022	mg/L	12.0022	mg/L
1	Cd 214.438	1690.2	1653.8	235.812	µg/L	235.812	µg/L
1	Ce 413.765	180.7	176.8	11.5725	µg/L	0.0115725	mg/L
1	Co 228.616	778.2	761.5	232.242	µg/L	232.242	µg/L
1	Cr 205.560	333.0	325.8	237.290	µg/L	237.290	µg/L
1	Cu 327.394	3469.6	3394.8	238.923	µg/L	238.923	µg/L
1	Fe 238.204	2389.8	2338.3	242.085	µg/L	242.085	µg/L
1	K 766.514	41957.1	41052.8	11.7622	mg/L	11.7622	mg/L
1	Li 670.781	38130.0	37308.2	234.319	µg/L	234.319	µg/L
1	Mg 279.074	16184.8	15836.0	11.9565	mg/L	11.9565	mg/L
1	Mn 257.610	18563.0	18162.9	237.158	µg/L	237.158	µg/L
1	Mo 202.031	169.1	165.4	234.430	µg/L	234.430	µg/L
1	Na 589.594	259111.6	253527.0	16.5837	mg/L	16.5837	mg/L
1	Ni 231.603	497.2	486.5	231.934	µg/L	231.934	µg/L
1	Pb 220.353	67.4	65.9	259.339	µg/L	259.339	µg/L
1	Sb 206.831	245.2	239.9	1168.08	µg/L	1168.08	µg/L
1	Se 196.026	240.5	235.3	1236.54	µg/L	1236.54	µg/L
1	Si 251.611	9266.1	9066.4	1643.25	µg/L	1643.25	µg/L
1	Sn 189.933	131.0	128.2	1181.65	µg/L	1181.65	µg/L
1	Sr 407.771	338930.0	331625.2	234.441	µg/L	234.441	µg/L
1	Ti 334.941	24710.7	24178.2	235.862	µg/L	235.862	µg/L
1	Tl 190.800	229.3	224.4	1222.39	µg/L	1222.39	µg/L
1	V 292.402	3450.4	3376.1	236.731	µg/L	236.731	µg/L
1	Zn 206.200	583.3	570.8	250.867	µg/L	250.867	µg/L
2	Sc 357.253	447437.0	447437.0	102.5	µg/L		
2	Y 360.064	277745.3	277745.3	103.0	µg/L		
2	Ag 328.068	6052.4	5904.7	233.002	µg/L	233.002	µg/L
2	Al 396.140	9388.3	9159.1	1161.27	µg/L	1161.27	µg/L
2	As 188.979	217.7	212.4	1146.76	µg/L	1146.76	µg/L
2	B 249.773	8217.3	8016.7	772.932	µg/L	772.932	µg/L
2	Ba 455.403	161505.2	157562.1	236.474	µg/L	236.474	µg/L
2	Be 234.861	2239.2	2184.6	23.5299	µg/L	23.5299	µg/L
2	Ca 315.887	131422.3	128213.6	12.0736	mg/L	12.0736	mg/L
2	Cd 214.438	1670.8	1630.0	232.318	µg/L	232.318	µg/L
2	Ce 413.765	-49.3	-48.1	-22.2118	µg/L	-0.0222118	mg/L
2	Co 228.616	784.3	765.2	233.354	µg/L	233.354	µg/L
2	Cr 205.560	343.3	335.0	245.444	µg/L	245.444	µg/L
2	Cu 327.394	3527.6	3441.5	242.164	µg/L	242.164	µg/L
2	Fe 238.204	2371.4	2313.5	239.416	µg/L	239.416	µg/L
2	K 766.514	42318.4	41285.2	11.8324	mg/L	11.8324	mg/L
2	Li 670.781	38337.1	37401.2	234.912	µg/L	234.912	µg/L
2	Mg 279.074	16254.8	15857.9	11.9731	mg/L	11.9731	mg/L
2	Mn 257.610	18661.8	18206.2	237.722	µg/L	237.722	µg/L
2	Mo 202.031	165.8	161.8	228.922	µg/L	228.922	µg/L
2	Na 589.594	260924.4	254554.1	16.6517	mg/L	16.6517	mg/L
2	Ni 231.603	499.8	487.6	232.596	µg/L	232.596	µg/L
2	Pb 220.353	70.4	68.7	269.054	µg/L	269.054	µg/L
2	Sb 206.831	249.0	243.0	1183.26	µg/L	1183.26	µg/L
2	Se 196.026	237.5	231.7	1210.20	µg/L	1210.20	µg/L
2	Si 251.611	9341.6	9113.5	1653.08	µg/L	1653.08	µg/L
2	Sn 189.933	132.7	129.5	1193.25	µg/L	1193.25	µg/L

2 Sr 407.771	341760.9	333416.9	235.723 µg/L	235.723 µg/L
2 Ti 334.941	24730.3	24126.5	235.315 µg/L	235.315 µg/L
2 Tl 190.800	228.2	222.7	1212.36 µg/L	1212.36 µg/L
2 V 292.402	3485.2	3400.1	238.273 µg/L	238.273 µg/L
2 Zn 206.200	584.5	570.2	250.626 µg/L	250.626 µg/L

Mean Data

ID: 1001397-bs1 Seq. No.: 17 Sample No.: 2 A/S Pos: 18
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 8:44:04 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	446782.6	102.4	0.21	µg/L				0.21%
Y 360.064	277328.3	102.9	0.22	µg/L				0.21%
Ag 328.068	5878.7	231.990	1.4315	µg/L	231.990	1.4315	µg/L	0.62%
Al 396.140	9143.9	1159.31	2.767	µg/L	1159.31	2.767	µg/L	0.24%
As 188.979	219.3	1186.05	55.574	µg/L	1186.05	55.574	µg/L	4.69%
B 249.773	7945.3	765.866	9.9923	µg/L	765.866	9.9923	µg/L	1.30%
Ba 455.403	157155.3	235.824	0.9194	µg/L	235.824	0.9194	µg/L	0.39%
Be 234.861	2194.2	23.6396	0.15518	µg/L	23.6396	0.15518	µg/L	0.66%
Ca 315.887	127835.3	12.0379	0.05045	mg/L	12.0379	0.05045	mg/L	0.42%
Cd 214.438	1641.9	234.065	2.4709	µg/L	234.065	2.4709	µg/L	1.06%
Ce 413.765	64.3	-5.31968	23.889111	µg/L	-0.0053197	0.02388911	mg/L	449.07%
Co 228.616	763.3	232.798	0.7860	µg/L	232.798	0.7860	µg/L	0.34%
Cr 205.560	330.4	241.367	5.7662	µg/L	241.367	5.7662	µg/L	2.39%
Cu 327.394	3418.2	240.543	2.2919	µg/L	240.543	2.2919	µg/L	0.95%
Fe 238.204	2325.9	240.750	1.8871	µg/L	240.750	1.8871	µg/L	0.78%
K 766.514	41169.0	11.7973	0.04965	mg/L	11.7973	0.04965	mg/L	0.42%
Li 670.781	37354.7	234.615	0.4193	µg/L	234.615	0.4193	µg/L	0.18%
Mg 279.074	15847.0	11.9648	0.01175	mg/L	11.9648	0.01175	mg/L	0.10%
Mn 257.610	18184.5	237.440	0.3993	µg/L	237.440	0.3993	µg/L	0.17%
Mo 202.031	163.6	231.676	3.8951	µg/L	231.676	3.8951	µg/L	1.68%
Na 589.594	254040.5	16.6177	0.04811	mg/L	16.6177	0.04811	mg/L	0.29%
Ni 231.603	487.0	232.265	0.4682	µg/L	232.265	0.4682	µg/L	0.20%
Pb 220.353	67.3	264.197	6.8695	µg/L	264.197	6.8695	µg/L	2.60%
Sb 206.831	241.4	1175.67	10.735	µg/L	1175.67	10.735	µg/L	0.91%
Se 196.026	233.5	1223.37	18.627	µg/L	1223.37	18.627	µg/L	1.52%
Si 251.611	9089.9	1648.17	6.953	µg/L	1648.17	6.953	µg/L	0.42%
Sn 189.933	128.8	1187.45	8.203	µg/L	1187.45	8.203	µg/L	0.69%
Sr 407.771	332521.1	235.082	0.9066	µg/L	235.082	0.9066	µg/L	0.39%
Ti 334.941	24152.3	235.589	0.3871	µg/L	235.589	0.3871	µg/L	0.16%
Tl 190.800	223.5	1217.38	7.088	µg/L	1217.38	7.088	µg/L	0.58%
V 292.402	3388.1	237.502	1.0910	µg/L	237.502	1.0910	µg/L	0.46%
Zn 206.200	570.5	250.747	0.1701	µg/L	250.747	0.1701	µg/L	0.07%

Replicate Data

ID: 1002144-01 Date: 2/18/10 8:47:24 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	449597.2	449597.2	103.0	µg/L		
1	Y 360.064	279324.1	279324.1	103.6	µg/L		
1	Ag 328.068	-105.8	-102.7	-0.883740	µg/L	-0.883740	µg/L
1	Al 396.140	3491.4	3389.8	419.107	µg/L	419.107	µg/L
1	As 188.979	13.5	13.1	25.9474	µg/L	25.9474	µg/L
1	B 249.773	1244.8	1208.6	99.5805	µg/L	99.5805	µg/L
1	Ba 455.403	41142.9	39945.5	48.4977	µg/L	48.4977	µg/L
1	Be 234.861	111.0	107.8	-0.0587372	µg/L	-0.0587372	µg/L
1	Ca 315.887	168219.2	163323.7	15.3833	mg/L	15.3833	mg/L
1	Cd 214.438	40.4	39.3	-1.08704	µg/L	-1.08704	µg/L
1	Ce 413.765	-2.4	-2.3	-15.3322	µg/L	-0.0153322	mg/L
1	Co 228.616	-9.3	-9.1	1.60682	µg/L	1.60682	µg/L
1	Cr 205.560	64.6	62.7	3.08673	µg/L	3.08673	µg/L
1	Cu 327.394	100.1	97.2	9.75506	µg/L	9.75506	µg/L
1	Fe 238.204	2494.3	2421.7	251.083	µg/L	251.083	µg/L
1	K 766.514	5028.1	4881.7	0.834851	mg/L	0.834851	mg/L
1	Li 670.781	419.8	407.6	-1.02788	µg/L	-1.02788	µg/L
1	Mg 279.074	2398.8	2329.0	1.75789	mg/L	1.75789	mg/L
1	Mn 257.610	221.5	215.1	2.92611	µg/L	2.92611	µg/L
1	Mo 202.031	14.4	14.0	6.40618	µg/L	6.40618	µg/L

1	Na 589.594	88644.0	86064.3	5.49162	mg/L	5.49162 mg/L
1	Ni 231.603	93.8	91.1	-0.0937979	µg/L	-0.0937979 µg/L
1	Pb 220.353	-15.9	-15.5	-26.2594	µg/L	-26.2594 µg/L
1	Sb 206.831	-8.8	-8.5	-59.0812	µg/L	-59.0812 µg/L
1	Se 196.026	77.5	75.3	52.5214	µg/L	52.5214 µg/L
1	Si 251.611	8211.8	7972.8	1415.08	µg/L	1415.08 µg/L
1	Sn 189.933	-3.3	-3.2	-16.5362	µg/L	-16.5362 µg/L
1	Sr 407.771	57638.7	55961.3	37.1785	µg/L	37.1785 µg/L
1	Ti 334.941	3488.2	3386.6	15.5243	µg/L	15.5243 µg/L
1	Tl 190.800	27.7	26.9	52.1290	µg/L	52.1290 µg/L
1	V 292.402	-310.7	-301.7	0.544858	µg/L	0.544858 µg/L
1	Zn 206.200	36.7	35.7	14.2040	µg/L	14.2040 µg/L
2	Sc 357.253	446561.1	446561.1	102.3	µg/L	
2	Y 360.064	277123.1	277123.1	102.8	µg/L	
2	Ag 328.068	-50.4	-49.3	1.19673	µg/L	1.19673 µg/L
2	Al 396.140	3430.0	3352.8	414.345	µg/L	414.345 µg/L
2	As 188.979	5.0	4.9	-20.2958	µg/L	-20.2958 µg/L
2	B 249.773	1217.5	1190.1	97.7584	µg/L	97.7584 µg/L
2	Ba 455.403	41321.3	40391.5	49.2105	µg/L	49.2105 µg/L
2	Be 234.861	108.7	106.3	-0.0759700	µg/L	-0.0759700 µg/L
2	Ca 315.887	169326.6	165516.6	15.5901	mg/L	15.5901 mg/L
2	Cd 214.438	40.0	39.1	-1.10829	µg/L	-1.10829 µg/L
2	Ce 413.765	116.9	114.2	2.17858	µg/L	0.0021786 mg/L
2	Co 228.616	-12.5	-12.2	0.665105	µg/L	0.665105 µg/L
2	Cr 205.560	62.4	61.0	1.58594	µg/L	1.58594 µg/L
2	Cu 327.394	165.6	161.9	14.2552	µg/L	14.2552 µg/L
2	Fe 238.204	2512.0	2455.5	254.720	µg/L	254.720 µg/L
2	K 766.514	5099.3	4984.5	0.865918	mg/L	0.865918 mg/L
2	Li 670.781	367.7	359.4	-1.33543	µg/L	-1.33543 µg/L
2	Mg 279.074	2479.4	2423.6	1.82936	mg/L	1.82936 mg/L
2	Mn 257.610	213.2	208.4	2.83924	µg/L	2.83924 µg/L
2	Mo 202.031	10.1	9.9	0.201330	µg/L	0.201330 µg/L
2	Na 589.594	89201.8	87194.7	5.56650	mg/L	5.56650 mg/L
2	Ni 231.603	108.4	105.9	8.60841	µg/L	8.60841 µg/L
2	Pb 220.353	-5.5	-5.4	8.98321	µg/L	8.98321 µg/L
2	Sb 206.831	0.5	0.5	-14.7339	µg/L	-14.7339 µg/L
2	Se 196.026	68.7	67.2	-7.40733	µg/L	-7.40733 µg/L
2	Si 251.611	8251.6	8066.0	1434.53	µg/L	1434.53 µg/L
2	Sn 189.933	-4.5	-4.4	-27.5124	µg/L	-27.5124 µg/L
2	Sr 407.771	57886.5	56584.0	37.6241	µg/L	37.6241 µg/L
2	Ti 334.941	3304.2	3229.8	13.8623	µg/L	13.8623 µg/L
2	Tl 190.800	14.7	14.4	-21.8743	µg/L	-21.8743 µg/L
2	V 292.402	-310.3	-303.3	0.441230	µg/L	0.441230 µg/L
2	Zn 206.200	32.2	31.5	12.3477	µg/L	12.3477 µg/L

Mean Data

ID: 1002144-01 Seq. No.: 18 Sample No.: 3 A/S Pos: 19
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 8:47:24 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	448079.1	102.6	0.49	µg/L				0.48%
Y 360.064	278223.6	103.2	0.58	µg/L				0.56%
Ag 328.068	-76.0	0.156497	1.4711168	µg/L	0.156497	1.4711168	µg/L	940.03%
Al 396.140	3371.3	416.726	3.3672	µg/L	416.726	3.3672	µg/L	0.81%
As 188.979	9.0	2.82581	32.698847	µg/L	2.82581	32.698847	µg/L	>999.9%
B 249.773	1199.3	98.6695	1.28839	µg/L	98.6695	1.28839	µg/L	1.31%
Ba 455.403	40168.5	48.8541	0.50401	µg/L	48.8541	0.50401	µg/L	1.03%
Be 234.861	107.1	-0.0673536	0.01218541	µg/L	-0.0673536	0.01218541	µg/L	18.09%
Ca 315.887	164420.1	15.4867	0.14618	mg/L	15.4867	0.14618	mg/L	0.94%
Cd 214.438	39.2	-1.09766	0.015021	µg/L	-1.09766	0.015021	µg/L	1.37%
Ce 413.765	55.9	-6.57683	12.382017	µg/L	-0.0065768	0.01238202	mg/L	188.27%
Co 228.616	-10.6	1.13596	0.665892	µg/L	1.13596	0.665892	µg/L	58.62%
Cr 205.560	61.9	2.33633	1.061215	µg/L	2.33633	1.061215	µg/L	45.42%
Cu 327.394	129.5	12.0051	3.18207	µg/L	12.0051	3.18207	µg/L	26.51%
Fe 238.204	2438.6	252.901	2.5721	µg/L	252.901	2.5721	µg/L	1.02%
K 766.514	4933.1	0.850385	0.0219679	mg/L	0.850385	0.0219679	mg/L	2.58%
Li 670.781	383.5	-1.18165	0.217475	µg/L	-1.18165	0.217475	µg/L	18.40%
Mg 279.074	2376.3	1.79362	0.050535	mg/L	1.79362	0.050535	mg/L	2.82%
Mn 257.610	211.8	2.88267	0.061425	µg/L	2.88267	0.061425	µg/L	2.13%

Mo 202.031	11.9	3.30376	4.387495 µg/L	3.30376	4.387495 µg/L	132.80%
Na 589.594	86629.5	5.52906	0.052948 mg/L	5.52906	0.052948 mg/L	0.96%
Ni 231.603	98.5	4.25731	6.153389 µg/L	4.25731	6.153389 µg/L	144.54%
Pb 220.353	-10.4	-8.63811	24.920311 µg/L	-8.63811	24.920311 µg/L	288.49%
Sb 206.831	-4.0	-36.9075	31.35825 µg/L	-36.9075	31.35825 µg/L	84.96%
Se 196.026	71.2	22.5570	42.37598 µg/L	22.5570	42.37598 µg/L	187.86%
Si 251.611	8019.4	1424.80	13.748 µg/L	1424.80	13.748 µg/L	0.96%
Sn 189.933	-3.8	-22.0243	7.76141 µg/L	-22.0243	7.76141 µg/L	35.24%
Sr 407.771	56272.6	37.4013	0.31509 µg/L	37.4013	0.31509 µg/L	0.84%
Ti 334.941	3308.2	14.6933	1.17524 µg/L	14.6933	1.17524 µg/L	8.00%
Tl 190.800	20.6	15.1273	52.32824 µg/L	15.1273	52.32824 µg/L	345.92%
V 292.402	-302.5	0.493044	0.0732757 µg/L	0.493044	0.0732757 µg/L	14.86%
Zn 206.200	33.6	13.2759	1.31262 µg/L	13.2759	1.31262 µg/L	9.89%

Replicate Data

ID: 1002144-02 Date: 2/18/10 8:50:46 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	438360.0	438360.0	100.4	µg/L		
1	Y 360.064	270803.0	270803.0	100.4	µg/L		
1	Ag 328.068	-83.9	-83.6	-0.136686	µg/L	-0.136686	µg/L
1	Al 396.140	420.2	418.4	36.8682	µg/L	36.8682	µg/L
1	As 188.979	5.5	5.5	-16.9590	µg/L	-16.9590	µg/L
1	B 249.773	759.7	756.5	54.8709	µg/L	54.8709	µg/L
1	Ba 455.403	37981.7	37821.6	45.1033	µg/L	45.1033	µg/L
1	Be 234.861	108.9	108.4	-0.0517754	µg/L	-0.0517754	µg/L
1	Ca 315.887	757761.9	754569.2	71.1237	mg/L	71.1237	mg/L
1	Cd 214.438	51.5	51.3	0.679647	µg/L	0.679647	µg/L
1	Ce 413.765	40.2	40.0	-8.96579	µg/L	-0.0089658	mg/L
1	Co 228.616	-7.9	-7.9	1.96093	µg/L	1.96093	µg/L
1	Cr 205.560	53.1	52.9	-5.63509	µg/L	-5.63509	µg/L
1	Cu 327.394	-56.8	-56.6	-0.929560	µg/L	-0.929560	µg/L
1	Fe 238.204	117.1	116.6	2.58109	µg/L	2.58109	µg/L
1	K 766.514	4653.0	4633.4	0.761664	mg/L	0.761664	mg/L
1	Li 670.781	343.3	341.9	-1.44732	µg/L	-1.44732	µg/L
1	Mg 279.074	2403.7	2393.5	1.81347	mg/L	1.81347	mg/L
1	Mn 257.610	71.5	71.2	1.04847	µg/L	1.04847	µg/L
1	Mo 202.031	4.1	4.1	-8.51837	µg/L	-8.51837	µg/L
1	Na 589.594	46662.3	46465.7	2.87143	mg/L	2.87143	mg/L
1	Ni 231.603	95.0	94.6	1.94751	µg/L	1.94751	µg/L
1	Pb 220.353	0.2	0.2	28.6624	µg/L	28.6624	µg/L
1	Sb 206.831	8.5	8.4	24.5634	µg/L	24.5634	µg/L
1	Se 196.026	76.1	75.8	56.3931	µg/L	56.3931	µg/L
1	Si 251.611	7462.7	7431.2	1302.09	µg/L	1302.09	µg/L
1	Sn 189.933	-13.6	-13.5	-110.765	µg/L	-110.765	µg/L
1	Sr 407.771	102600.7	102168.4	70.2438	µg/L	70.2438	µg/L
1	Ti 334.941	1885.4	1877.5	-0.469353	µg/L	-0.469353	µg/L
1	Tl 190.800	21.4	21.3	19.2752	µg/L	19.2752	µg/L
1	V 292.402	-346.0	-344.6	-2.20966	µg/L	-2.20966	µg/L
1	Zn 206.200	5.9	5.8	1.01384	µg/L	1.01384	µg/L
2	Sc 357.253	432305.2	432305.2	99.0	µg/L		
2	Y 360.064	266704.3	266704.3	98.9	µg/L		
2	Ag 328.068	-46.8	-47.3	1.27657	µg/L	1.27657	µg/L
2	Al 396.140	213.6	215.6	10.7812	µg/L	10.7812	µg/L
2	As 188.979	6.5	6.5	-10.8129	µg/L	-10.8129	µg/L
2	B 249.773	751.7	759.0	55.1206	µg/L	55.1206	µg/L
2	Ba 455.403	37759.6	38127.1	45.5915	µg/L	45.5915	µg/L
2	Be 234.861	74.0	74.7	-0.434956	µg/L	-0.434956	µg/L
2	Ca 315.887	757465.4	764838.1	72.0918	mg/L	72.0918	mg/L
2	Cd 214.438	44.0	44.5	-0.326171	µg/L	-0.326171	µg/L
2	Ce 413.765	-24.8	-25.1	-18.7450	µg/L	-0.0187450	mg/L
2	Co 228.616	0.5	0.5	4.46503	µg/L	4.46503	µg/L
2	Cr 205.560	68.8	69.5	9.14187	µg/L	9.14187	µg/L
2	Cu 327.394	-88.3	-89.2	-3.19333	µg/L	-3.19333	µg/L
2	Fe 238.204	152.2	153.7	6.57971	µg/L	6.57971	µg/L
2	K 766.514	4657.9	4703.2	0.782772	mg/L	0.782772	mg/L
2	Li 670.781	350.6	354.0	-1.36966	µg/L	-1.36966	µg/L
2	Mg 279.074	2394.2	2417.5	1.83168	mg/L	1.83168	mg/L
2	Mn 257.610	104.0	105.0	1.48923	µg/L	1.48923	µg/L

2 Mo 202.031	18.1	18.2	12.7972 µg/L	12.7972 µg/L
2 Na 589.594	46649.3	47103.3	2.91371 mg/L	2.91371 mg/L
2 Ni 231.603	85.7	86.5	-2.78724 µg/L	-2.78724 µg/L
2 Pb 220.353	-2.8	-2.8	18.1252 µg/L	18.1252 µg/L
2 Sb 206.831	-5.4	-5.5	-44.0105 µg/L	-44.0105 µg/L
2 Se 196.026	78.3	79.1	80.5184 µg/L	80.5184 µg/L
2 Si 251.611	7427.9	7500.2	1316.47 µg/L	1316.47 µg/L
2 Sn 189.933	-14.3	-14.4	-119.255 µg/L	-119.255 µg/L
2 Sr 407.771	102713.5	103713.2	71.3493 µg/L	71.3493 µg/L
2 Ti 334.941	1777.7	1795.0	-1.34274 µg/L	-1.34274 µg/L
2 Tl 190.800	22.8	23.0	29.2102 µg/L	29.2102 µg/L
2 V 292.402	-303.0	-306.0	0.269284 µg/L	0.269284 µg/L
2 Zn 206.200	-0.2	-0.2	-1.67123 µg/L	-1.67123 µg/L

Mean Data

ID: 1002144-02 Seq. No.: 19 Sample No.: 4 A/S Pos: 20
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 8:50:46 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	435332.6	99.7	0.98	µg/L				0.98%
Y 360.064	268753.7	99.7	1.07	µg/L				1.08%
Ag 328.068	-65.4	0.569942	0.9993225	µg/L	0.569942	0.9993225	µg/L	175.34%
Al 396.140	317.0	23.8247	18.44629	µg/L	23.8247	18.44629	µg/L	77.43%
As 188.979	6.0	-13.8860	4.34592	µg/L	-13.8860	4.34592	µg/L	31.30%
B 249.773	757.8	54.9957	0.17651	µg/L	54.9957	0.17651	µg/L	0.32%
Ba 455.403	37974.4	45.3474	0.34523	µg/L	45.3474	0.34523	µg/L	0.76%
Be 234.861	91.6	-0.243366	0.2709495	µg/L	-0.243366	0.2709495	µg/L	111.33%
Ca 315.887	759703.6	71.6077	0.68456	mg/L	71.6077	0.68456	mg/L	0.96%
Cd 214.438	47.9	0.176738	0.7112209	µg/L	0.176738	0.7112209	µg/L	402.42%
Ce 413.765	7.5	-13.8554	6.91497	µg/L	-0.0138554	0.00691497	mg/L	49.91%
Co 228.616	-3.7	3.21298	1.770669	µg/L	3.21298	1.770669	µg/L	55.11%
Cr 205.560	61.2	1.75339	10.448888	µg/L	1.75339	10.448888	µg/L	595.93%
Cu 327.394	-72.9	-2.06144	1.600725	µg/L	-2.06144	1.600725	µg/L	77.65%
Fe 238.204	135.2	4.58040	2.827454	µg/L	4.58040	2.827454	µg/L	61.73%
K 766.514	4668.3	0.772218	0.0149260	mg/L	0.772218	0.0149260	mg/L	1.93%
Li 670.781	347.9	-1.40849	0.054916	µg/L	-1.40849	0.054916	µg/L	3.90%
Mg 279.074	2405.5	1.82258	0.012876	mg/L	1.82258	0.012876	mg/L	0.71%
Mn 257.610	88.1	1.26885	0.311663	µg/L	1.26885	0.311663	µg/L	24.56%
Mo 202.031	11.2	2.13939	15.072350	µg/L	2.13939	15.072350	µg/L	704.51%
Na 589.594	46784.5	2.89257	0.029899	mg/L	2.89257	0.029899	mg/L	1.03%
Ni 231.603	90.5	-0.419866	3.3479760	µg/L	-0.419866	3.3479760	µg/L	797.39%
Pb 220.353	-1.3	23.3938	7.45088	µg/L	23.3938	7.45088	µg/L	31.85%
Sb 206.831	1.5	-9.72355	48.489081	µg/L	-9.72355	48.489081	µg/L	498.68%
Se 196.026	77.4	68.4558	17.05918	µg/L	68.4558	17.05918	µg/L	24.92%
Si 251.611	7465.7	1309.28	10.168	µg/L	1309.28	10.168	µg/L	0.78%
Sn 189.933	-14.0	-115.010	6.0031	µg/L	-115.010	6.0031	µg/L	5.22%
Sr 407.771	102940.8	70.7965	0.78168	µg/L	70.7965	0.78168	µg/L	1.10%
Ti 334.941	1836.2	-0.906045	0.6175762	µg/L	-0.906045	0.6175762	µg/L	68.16%
Tl 190.800	22.2	24.2427	7.02515	µg/L	24.2427	7.02515	µg/L	28.98%
V 292.402	-325.3	-0.970190	1.7528819	µg/L	-0.970190	1.7528819	µg/L	180.67%
Zn 206.200	2.8	-0.328698	1.8986316	µg/L	-0.328698	1.8986316	µg/L	577.62%

Replicate Data

ID: 1002144-03 Date: 2/18/10 8:54:09 AM

Repl# Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1 Sc 357.253	431389.7	431389.7	98.8	µg/L		
1 Y 360.064	266805.9	266805.9	99.0	µg/L		
1 Ag 328.068	-3.4	-3.5	2.98088	µg/L	2.98088	µg/L
1 Al 396.140	629.3	636.7	64.9524	µg/L	64.9524	µg/L
1 As 188.979	5.6	5.7	-15.6113	µg/L	-15.6113	µg/L
1 B 249.773	1780.2	1801.3	158.205	µg/L	158.205	µg/L
1 Ba 455.403	40418.4	40898.4	50.0207	µg/L	50.0207	µg/L
1 Be 234.861	103.3	104.5	-0.0962620	µg/L	-0.0962620	µg/L
1 Ca 315.887	179961.9	182099.2	17.1534	mg/L	17.1534	mg/L
1 Cd 214.438	53.5	54.1	1.09626	µg/L	1.09626	µg/L
1 Ce 413.765	188.5	190.7	13.6725	µg/L	0.0136725	mg/L
1 Co 228.616	-20.4	-20.6	-1.85128	µg/L	-1.85128	µg/L

1 Cr 205.560	69.2	70.0	9.57774 µg/L	9.57774 µg/L	
1 Cu 327.394	28.5	28.9	5.00890 µg/L	5.00890 µg/L	
1 Fe 238.204	616.6	623.9	57.2680 µg/L	57.2680 µg/L	
1 K 766.514	4350.7	4402.4	0.690166 mg/L	0.690166 mg/L	
1 Li 670.781	477.7	483.4	-0.544818 µg/L	-0.544818 µg/L	
1 Mg 279.074	3736.9	3781.3	2.85484 mg/L	2.85484 mg/L	
1 Mn 257.610	37.7	38.2	0.617354 µg/L	0.617354 µg/L	
1 Mo 202.031	16.8	17.0	10.8926 µg/L	10.8926 µg/L	
1 Na 589.594	58380.7	59074.1	3.70400 mg/L	3.70400 mg/L	
1 Ni 231.603	82.4	83.4	-4.62741 µg/L	-4.62741 µg/L	
1 Pb 220.353	-4.0	-4.0	13.8672 µg/L	13.8672 µg/L	
1 Sb 206.831	10.1	10.2	33.4899 µg/L	33.4899 µg/L	
1 Se 196.026	85.5	86.5	135.670 µg/L	135.670 µg/L	
1 Si 251.611	8541.3	8642.7	1554.86 µg/L	1554.86 µg/L	
1 Sn 189.933	-3.1	-3.1	-15.9188 µg/L	-15.9188 µg/L	
1 Sr 407.771	61175.0	61901.6	41.4293 µg/L	41.4293 µg/L	
1 Ti 334.941	1828.1	1849.8	-0.762009 µg/L	-0.762009 µg/L	
1 Tl 190.800	12.7	12.9	-30.6432 µg/L	-30.6432 µg/L	
1 V 292.402	-336.3	-340.3	-1.93385 µg/L	-1.93385 µg/L	
1 Zn 206.200	0.1	0.1	-1.50138 µg/L	-1.50138 µg/L	
2 Sc 357.253	428844.8	428844.8	98.2 µg/L		
2 Y 360.064	265129.4	265129.4	98.3 µg/L		
2 Ag 328.068	-98.2	-100.0	-0.775926 µg/L	-0.775926 µg/L	
2 Al 396.140	793.7	807.9	86.9706 µg/L	86.9706 µg/L	
2 As 188.979	8.2	8.3	-0.728239 µg/L	-0.728239 µg/L	
2 B 249.773	1813.3	1845.8	162.602 µg/L	162.602 µg/L	
2 Ba 455.403	40701.9	41429.7	50.8697 µg/L	50.8697 µg/L	
2 Be 234.861	102.9	104.8	-0.0932879 µg/L	-0.0932879 µg/L	
2 Ca 315.887	182396.1	185657.5	17.4889 mg/L	17.4889 mg/L	
2 Cd 214.438	46.9	47.8	0.159839 µg/L	0.159839 µg/L	
2 Ce 413.765	79.5	81.0	-2.82028 µg/L	-0.0028203 mg/L	
2 Co 228.616	-16.3	-16.6	-0.646026 µg/L	-0.646026 µg/L	
2 Cr 205.560	57.9	58.9	-0.273059 µg/L	-0.273059 µg/L	
2 Cu 327.394	102.3	104.1	10.2380 µg/L	10.2380 µg/L	
2 Fe 238.204	598.6	609.3	55.6952 µg/L	55.6952 µg/L	
2 K 766.514	4483.2	4563.4	0.738833 mg/L	0.738833 mg/L	
2 Li 670.781	523.6	533.0	-0.228464 µg/L	-0.228464 µg/L	
2 Mg 279.074	3801.3	3869.3	2.92131 mg/L	2.92131 mg/L	
2 Mn 257.610	30.6	31.1	0.525063 µg/L	0.525063 µg/L	
2 Mo 202.031	12.5	12.7	4.45667 µg/L	4.45667 µg/L	
2 Na 589.594	58942.9	59996.8	3.76514 mg/L	3.76514 mg/L	
2 Ni 231.603	88.3	89.9	-0.812191 µg/L	-0.812191 µg/L	
2 Pb 220.353	-0.6	-0.6	25.9941 µg/L	25.9941 µg/L	
2 Sb 206.831	-3.4	-3.4	-33.9170 µg/L	-33.9170 µg/L	
2 Se 196.026	75.4	76.8	63.7393 µg/L	63.7393 µg/L	
2 Si 251.611	8650.2	8804.9	1588.70 µg/L	1588.70 µg/L	
2 Sn 189.933	-7.6	-7.7	-57.6234 µg/L	-57.6234 µg/L	
2 Sr 407.771	61830.5	62936.0	42.1696 µg/L	42.1696 µg/L	
2 Ti 334.941	1794.6	1826.6	-1.00779 µg/L	-1.00779 µg/L	
2 Tl 190.800	23.2	23.6	32.8652 µg/L	32.8652 µg/L	
2 V 292.402	-275.1	-280.1	1.93377 µg/L	1.93377 µg/L	
2 Zn 206.200	15.4	15.7	5.36211 µg/L	5.36211 µg/L	

Mean Data

ID: 1002144-03 Seq. No.: 20 Sample No.: 5 A/S Pos: 21
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 8:54:09 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	430117.3	98.5	0.41	µg/L				0.42%
Y 360.064	265967.6	98.7	0.44	µg/L				0.45%
Ag 328.068	-51.7	1.10248	2.656460	µg/L	1.10248	2.656460	µg/L	240.95%
Al 396.140	722.3	75.9615	15.56923	µg/L	75.9615	15.56923	µg/L	20.50%
As 188.979	7.0	-8.16976	10.523900	µg/L	-8.16976	10.523900	µg/L	128.82%
B 249.773	1823.5	160.404	3.1087	µg/L	160.404	3.1087	µg/L	1.94%
Ba 455.403	41164.1	50.4452	0.60038	µg/L	50.4452	0.60038	µg/L	1.19%
Be 234.861	104.6	-0.0947750	0.00210304	µg/L	-0.0947750	0.00210304	µg/L	2.22%
Ca 315.887	183878.4	17.3212	0.23721	mg/L	17.3212	0.23721	mg/L	1.37%
Cd 214.438	51.0	0.628050	0.6621509	µg/L	0.628050	0.6621509	µg/L	105.43%
Ce 413.765	135.9	5.42609	11.662125	µg/L	0.0054261	0.01166213	mg/L	214.93%

Co 228.616	-18.6	-1.24865	0.852243 µg/L	-1.24865	0.852243 µg/L	68.25%
Cr 205.560	64.5	4.65234	6.965564 µg/L	4.65234	6.965564 µg/L	149.72%
Cu 327.394	66.5	7.62346	3.697534 µg/L	7.62346	3.697534 µg/L	48.50%
Fe 238.204	616.6	56.4816	1.11219 µg/L	56.4816	1.11219 µg/L	1.97%
K 766.514	4482.9	0.714500	0.0344125 mg/L	0.714500	0.0344125 mg/L	4.82%
Li 670.781	508.2	-0.386641	0.2236963 µg/L	-0.386641	0.2236963 µg/L	57.86%
Mg 279.074	3825.3	2.88808	0.047002 mg/L	2.88808	0.047002 mg/L	1.63%
Mn 257.610	34.7	0.571209	0.0652602 µg/L	0.571209	0.0652602 µg/L	11.42%
Mo 202.031	14.8	7.67465	4.550915 µg/L	7.67465	4.550915 µg/L	59.30%
Na 589.594	59535.4	3.73457	0.043228 mg/L	3.73457	0.043228 mg/L	1.16%
Ni 231.603	86.6	-2.71980	2.697765 µg/L	-2.71980	2.697765 µg/L	99.19%
Pb 220.353	-2.3	19.9306	8.57496 µg/L	19.9306	8.57496 µg/L	43.02%
Sb 206.831	3.4	-0.213538	47.6638670 µg/L	-0.213538	47.6638670 µg/L	>999.9%
Se 196.026	81.6	99.7048	50.86288 µg/L	99.7048	50.86288 µg/L	51.01%
Si 251.611	8723.8	1571.78	23.925 µg/L	1571.78	23.925 µg/L	1.52%
Sn 189.933	-5.4	-36.7711	29.48958 µg/L	-36.7711	29.48958 µg/L	80.20%
Sr 407.771	62418.8	41.7994	0.52345 µg/L	41.7994	0.52345 µg/L	1.25%
Ti 334.941	1838.2	-0.884898	0.1737913 µg/L	-0.884898	0.1737913 µg/L	19.64%
Tl 190.800	18.2	1.11102	44.907230 µg/L	1.11102	44.907230 µg/L	>999.9%
V 292.402	-310.2	-0.0000417	2.73482170 µg/L	-0.0000417	2.73482170 µg/L	>999.9%
Zn 206.200	7.9	1.93037	4.853222 µg/L	1.93037	4.853222 µg/L	251.41%

Replicate Data

ID: 1002144-04 Date: 2/18/10 8:57:31 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	429229.7	429229.7	98.3	µg/L		
1	Y 360.064	265127.5	265127.5	98.3	µg/L		
1	Ag 328.068	-72.6	-73.8	0.242675	µg/L	0.242675	µg/L
1	Al 396.140	2352.3	2392.2	290.770	µg/L	290.770	µg/L
1	As 188.979	-0.2	-0.2	-48.5448	µg/L	-48.5448	µg/L
1	B 249.773	1450.8	1475.5	125.979	µg/L	125.979	µg/L
1	Ba 455.403	15224.5	15482.8	9.40115	µg/L	9.40115	µg/L
1	Be 234.861	112.4	114.3	0.0152604	µg/L	0.0152604	µg/L
1	Ca 315.887	105425.3	107214.2	10.0936	mg/L	10.0936	mg/L
1	Cd 214.438	45.9	46.7	-0.0010379	µg/L	-0.0010379	µg/L
1	Ce 413.765	121.7	123.8	3.60995	µg/L	0.0036100	mg/L
1	Co 228.616	-20.3	-20.6	-1.85034	µg/L	-1.85034	µg/L
1	Cr 205.560	62.9	63.9	4.18661	µg/L	4.18661	µg/L
1	Cu 327.394	26.6	27.1	4.88554	µg/L	4.88554	µg/L
1	Fe 238.204	1506.5	1532.0	155.166	µg/L	155.166	µg/L
1	K 766.514	3177.4	3231.3	0.335975	mg/L	0.335975	mg/L
1	Li 670.781	320.6	326.1	-1.54805	µg/L	-1.54805	µg/L
1	Mg 279.074	1012.5	1029.7	0.776025	mg/L	0.776025	mg/L
1	Mn 257.610	198.8	202.2	2.75790	µg/L	2.75790	µg/L
1	Mo 202.031	1.5	1.6	-12.3220	µg/L	-12.3220	µg/L
1	Na 589.594	45625.8	46400.0	2.86372	mg/L	2.86372	mg/L
1	Ni 231.603	82.1	83.5	-4.54095	µg/L	-4.54095	µg/L
1	Pb 220.353	-4.8	-4.9	10.7291	µg/L	10.7291	µg/L
1	Sb 206.831	4.4	4.5	4.96154	µg/L	4.96154	µg/L
1	Se 196.026	87.0	88.4	149.867	µg/L	149.867	µg/L
1	Si 251.611	9461.9	9622.5	1759.28	µg/L	1759.28	µg/L
1	Sn 189.933	-5.9	-6.0	-42.3959	µg/L	-42.3959	µg/L
1	Sr 407.771	21771.8	22141.2	12.9772	µg/L	12.9772	µg/L
1	Ti 334.941	2824.9	2872.9	10.0796	µg/L	10.0796	µg/L
1	Tl 190.800	12.3	12.5	-32.9658	µg/L	-32.9658	µg/L
1	V 292.402	-241.6	-245.7	4.14148	µg/L	4.14148	µg/L
1	Zn 206.200	23.1	23.5	8.83932	µg/L	8.83932	µg/L
2	Sc 357.253	427614.6	427614.6	98.0	µg/L		
2	Y 360.064	263912.7	263912.7	97.9	µg/L		
2	Ag 328.068	-83.8	-85.6	-0.216163	µg/L	-0.216163	µg/L
2	Al 396.140	2385.8	2435.4	296.333	µg/L	296.333	µg/L
2	As 188.979	10.0	10.2	9.79950	µg/L	9.79950	µg/L
2	B 249.773	1453.6	1483.9	126.811	µg/L	126.811	µg/L
2	Ba 455.403	15153.6	15469.0	9.37903	µg/L	9.37903	µg/L
2	Be 234.861	122.7	125.3	0.139375	µg/L	0.139375	µg/L
2	Ca 315.887	106142.8	108351.6	10.2008	mg/L	10.2008	mg/L
2	Cd 214.438	45.2	46.2	-0.0733041	µg/L	-0.0733041	µg/L
2	Ce 413.765	209.8	214.2	17.1934	µg/L	0.0171934	mg/L

2 Co 228.616	-25.5	-26.0	-3.45949 µg/L	-3.45949 µg/L	
2 Cr 205.560	60.1	61.4	1.88643 µg/L	1.88643 µg/L	
2 Cu 327.394	-1.1	-1.1	2.92645 µg/L	2.92645 µg/L	
2 Fe 238.204	1498.7	1529.8	154.932 µg/L	154.932 µg/L	
2 K 766.514	3023.2	3086.1	0.292122 mg/L	0.292122 mg/L	
2 Li 670.781	537.7	548.8	-0.127174 µg/L	-0.127174 µg/L	
2 Mg 279.074	1144.0	1167.8	0.880314 mg/L	0.880314 mg/L	
2 Mn 257.610	209.6	214.0	2.91137 µg/L	2.91137 µg/L	
2 Mo 202.031	14.4	14.7	7.51281 µg/L	7.51281 µg/L	
2 Na 589.594	45754.2	46706.3	2.88401 mg/L	2.88401 mg/L	
2 Ni 231.603	83.6	85.3	-3.47219 µg/L	-3.47219 µg/L	
2 Pb 220.353	2.6	2.6	37.2757 µg/L	37.2757 µg/L	
2 Sb 206.831	-3.6	-3.7	-35.2202 µg/L	-35.2202 µg/L	
2 Se 196.026	85.3	87.1	140.002 µg/L	140.002 µg/L	
2 Si 251.611	9511.8	9709.7	1777.48 µg/L	1777.48 µg/L	
2 Sn 189.933	-2.5	-2.5	-10.3354 µg/L	-10.3354 µg/L	
2 Sr 407.771	21878.1	22333.4	13.1147 µg/L	13.1147 µg/L	
2 Ti 334.941	2751.4	2808.6	9.39871 µg/L	9.39871 µg/L	
2 Tl 190.800	11.7	12.0	-36.0944 µg/L	-36.0944 µg/L	
2 V 292.402	-198.8	-202.9	6.88797 µg/L	6.88797 µg/L	
2 Zn 206.200	17.6	18.0	6.39638 µg/L	6.39638 µg/L	

Mean Data

ID: 1002144-04 Seq. No.: 21 Sample No.: 6 A/S Pos: 22
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 8:57:31 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	428422.1	98.1	0.26	µg/L				0.27%
Y 360.064	264520.1	98.1	0.32	µg/L				0.32%
Ag 328.068	-79.7	0.0132562	0.32444780	µg/L	0.0132562	0.32444780	µg/L	>999.9%
Al 396.140	2413.8	293.551	3.9337	µg/L	293.551	3.9337	µg/L	1.34%
As 188.979	5.0	-19.3726	41.25563	µg/L	-19.3726	41.25563	µg/L	212.96%
B 249.773	1479.7	126.395	0.5885	µg/L	126.395	0.5885	µg/L	0.47%
Ba 455.403	15475.9	9.39009	0.015641	µg/L	9.39009	0.015641	µg/L	0.17%
Be 234.861	119.8	0.0773178	0.08776237	µg/L	0.0773178	0.08776237	µg/L	113.51%
Ca 315.887	107782.9	10.1472	0.07582	mg/L	10.1472	0.07582	mg/L	0.75%
Cd 214.438	46.4	-0.0371710	0.05109989	µg/L	-0.0371710	0.05109989	µg/L	137.47%
Ce 413.765	169.0	10.4017	9.60493	µg/L	0.0104017	0.00960493	mg/L	92.34%
Co 228.616	-23.3	-2.65492	1.137846	µg/L	-2.65492	1.137846	µg/L	42.86%
Cr 205.560	62.6	3.03652	1.626476	µg/L	3.03652	1.626476	µg/L	53.56%
Cu 327.394	13.0	3.90600	1.385287	µg/L	3.90600	1.385287	µg/L	35.47%
Fe 238.204	1530.9	155.049	0.1651	µg/L	155.049	0.1651	µg/L	0.11%
K 766.514	3158.7	0.314048	0.0310090	mg/L	0.314048	0.0310090	mg/L	9.87%
Li 670.781	437.5	-0.837612	1.0047107	µg/L	-0.837612	1.0047107	µg/L	119.95%
Mg 279.074	1098.7	0.828170	0.0737433	mg/L	0.828170	0.0737433	mg/L	8.90%
Mn 257.610	208.1	2.83463	0.108517	µg/L	2.83463	0.108517	µg/L	3.83%
Mo 202.031	8.1	-2.40459	14.025312	µg/L	-2.40459	14.025312	µg/L	583.27%
Na 589.594	46553.2	2.87387	0.014346	mg/L	2.87387	0.014346	mg/L	0.50%
Ni 231.603	84.4	-4.00657	0.755727	µg/L	-4.00657	0.755727	µg/L	18.86%
Pb 220.353	-1.1	24.0024	18.77131	µg/L	24.0024	18.77131	µg/L	78.21%
Sb 206.831	0.4	-15.1293	28.41275	µg/L	-15.1293	28.41275	µg/L	187.80%
Se 196.026	87.8	144.935	6.9757	µg/L	144.935	6.9757	µg/L	4.81%
Si 251.611	9666.1	1768.38	12.872	µg/L	1768.38	12.872	µg/L	0.73%
Sn 189.933	-4.3	-26.3657	22.67020	µg/L	-26.3657	22.67020	µg/L	85.98%
Sr 407.771	22237.3	13.0460	0.09725	µg/L	13.0460	0.09725	µg/L	0.75%
Ti 334.941	2840.7	9.73917	0.481472	µg/L	9.73917	0.481472	µg/L	4.94%
Tl 190.800	12.2	-34.5301	2.21226	µg/L	-34.5301	2.21226	µg/L	6.41%
V 292.402	-224.3	5.51472	1.942065	µg/L	5.51472	1.942065	µg/L	35.22%
Zn 206.200	20.8	7.61785	1.727419	µg/L	7.61785	1.727419	µg/L	22.68%

Replicate Data

ID: 1002144-06 Date: 2/18/10 9:00:47 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	346216.3	346216.3	79.3	µg/L		
1	Y 360.064	210285.6	210285.6	78.0	µg/L		
1	Ag 328.068	1.4	1.8	3.18619	µg/L	3.18619	µg/L
1	Al 396.140	782.9	987.1	110.026	µg/L	110.026	µg/L

1	As 188.979	12.0	15.1	37.2219 µg/L	37.2219 µg/L	
1	B 249.773	225.9	284.8	8.22192 µg/L	8.22192 µg/L	
1	Ba 455.403	10482.3	13216.2	5.77856 µg/L	5.77856 µg/L	
1	Be 234.861	103.6	130.6	0.200047 µg/L	0.200047 µg/L	
1	Ca 315.887	72033.2	90820.1	8.54799 mg/L	8.54799 mg/L	
1	Cd 214.438	42.4	53.4	0.987215 µg/L	0.987215 µg/L	
1	Ce 413.765	-12.8	-16.2	-17.4096 µg/L	-0.0174096 mg/L	
1	Co 228.616	-15.7	-19.8	-1.60277 µg/L	-1.60277 µg/L	
1	Cr 205.560	60.0	75.6	14.6108 µg/L	14.6108 µg/L	
1	Cu 327.394	-11.5	-14.5	1.99513 µg/L	1.99513 µg/L	
1	Fe 238.204	166.1	209.4	12.5859 µg/L	12.5859 µg/L	
1	K 766.514	4095.9	5164.1	0.920015 mg/L	0.920015 mg/L	
1	Li 670.781	239.1	301.5	-1.70467 µg/L	-1.70467 µg/L	
1	Mg 279.074	3034.5	3825.9	2.88746 mg/L	2.88746 mg/L	
1	Mn 257.610	-142.4	-179.6	-2.22480 µg/L	-2.22480 µg/L	
1	Mo 202.031	7.1	9.0	-1.12378 µg/L	-1.12378 µg/L	
1	Na 589.594	29755.1	37515.5	2.27526 mg/L	2.27526 mg/L	
1	Ni 231.603	90.2	113.7	13.1563 µg/L	13.1563 µg/L	
1	Pb 220.353	-4.9	-6.1	6.48252 µg/L	6.48252 µg/L	
1	Sb 206.831	-10.9	-13.7	-84.8499 µg/L	-84.8499 µg/L	
1	Se 196.026	80.0	100.9	241.835 µg/L	241.835 µg/L	
1	Si 251.611	9105.6	11480.5	2146.94 µg/L	2146.94 µg/L	
1	Sn 189.933	-2.7	-3.4	-18.4378 µg/L	-18.4378 µg/L	
1	Sr 407.771	28241.7	35607.5	22.6135 µg/L	22.6135 µg/L	
1	Ti 334.941	1700.3	2143.7	2.35243 µg/L	2.35243 µg/L	
1	Tl 190.800	15.6	19.6	9.33028 µg/L	9.33028 µg/L	
1	V 292.402	-337.0	-424.9	-7.36502 µg/L	-7.36502 µg/L	
1	Zn 206.200	6.9	8.7	2.29097 µg/L	2.29097 µg/L	
2	Sc 357.253	414565.1	414565.1	95.0 µg/L		
2	Y 360.064	255295.6	255295.6	94.7 µg/L		
2	Ag 328.068	-45.7	-48.1	1.24470 µg/L	1.24470 µg/L	
2	Al 396.140	878.9	925.4	102.090 µg/L	102.090 µg/L	
2	As 188.979	-1.3	-1.4	-55.4300 µg/L	-55.4300 µg/L	
2	B 249.773	243.7	256.6	5.43142 µg/L	5.43142 µg/L	
2	Ba 455.403	10670.0	11234.8	2.61199 µg/L	2.61199 µg/L	
2	Be 234.861	91.1	96.0	-0.193372 µg/L	-0.193372 µg/L	
2	Ca 315.887	73751.2	77655.7	7.30690 mg/L	7.30690 mg/L	
2	Cd 214.438	49.7	52.3	0.829765 µg/L	0.829765 µg/L	
2	Ce 413.765	151.5	159.6	8.98752 µg/L	0.0089875 mg/L	
2	Co 228.616	-12.7	-13.4	0.302647 µg/L	0.302647 µg/L	
2	Cr 205.560	57.7	60.7	1.34249 µg/L	1.34249 µg/L	
2	Cu 327.394	-23.6	-24.9	1.27519 µg/L	1.27519 µg/L	
2	Fe 238.204	163.9	172.6	8.61842 µg/L	8.61842 µg/L	
2	K 766.514	4108.8	4326.4	0.666863 mg/L	0.666863 mg/L	
2	Li 670.781	212.7	224.0	-2.19910 µg/L	-2.19910 µg/L	
2	Mg 279.074	3047.1	3208.4	2.42098 mg/L	2.42098 mg/L	
2	Mn 257.610	-123.8	-130.4	-1.58285 µg/L	-1.58285 µg/L	
2	Mo 202.031	8.5	9.0	-1.12229 µg/L	-1.12229 µg/L	
2	Na 589.594	30827.5	32459.6	1.94038 mg/L	1.94038 mg/L	
2	Ni 231.603	88.4	93.1	1.05970 µg/L	1.05970 µg/L	
2	Pb 220.353	-10.0	-10.5	-9.00649 µg/L	-9.00649 µg/L	
2	Sb 206.831	1.1	1.1	-11.5348 µg/L	-11.5348 µg/L	
2	Se 196.026	76.0	80.0	87.7119 µg/L	87.7119 µg/L	
2	Si 251.611	9361.6	9857.2	1808.26 µg/L	1808.26 µg/L	
2	Sn 189.933	-3.2	-3.4	-18.4400 µg/L	-18.4400 µg/L	
2	Sr 407.771	28917.5	30448.4	18.9218 µg/L	18.9218 µg/L	
2	Ti 334.941	1754.1	1847.0	-0.792037 µg/L	-0.792037 µg/L	
2	Tl 190.800	12.6	13.2	-28.5297 µg/L	-28.5297 µg/L	
2	V 292.402	-294.3	-309.9	0.0179894 µg/L	0.0179894 µg/L	
2	Zn 206.200	8.3	8.7	2.28914 µg/L	2.28914 µg/L	

Mean Data ----------

ID: 1002144-06 Seq. No.: 22 Sample No.: 7 A/S Pos: 23

Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0

Data: Original Date: 2/18/10 9:00:47 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Sc 357.253	380390.7	87.1	11.07	µg/L				12.71%
Y 360.064	232790.6	86.3	11.81	µg/L				13.67%
Ag 328.068	-23.1	2.21545	1.372844	µg/L	2.21545	1.372844	µg/L	61.97%

Al 396.140	956.3	106.058	5.6117 µg/L	106.058	5.6117 µg/L	5.29%
As 188.979	6.9	-9.10402	65.514802 µg/L	-9.10402	65.514802 µg/L	719.63%
B 249.773	270.7	6.82667	1.973181 µg/L	6.82667	1.973181 µg/L	28.90%
Ba 455.403	12225.5	4.19528	2.239101 µg/L	4.19528	2.239101 µg/L	53.37%
Be 234.861	113.3	0.0033374	0.27818901 µg/L	0.0033374	0.27818901 µg/L	>999.9%
Ca 315.887	84237.9	7.92745	0.877584 mg/L	7.92745	0.877584 mg/L	11.07%
Cd 214.438	52.9	0.908490	0.1113340 µg/L	0.908490	0.1113340 µg/L	12.25%
Ce 413.765	71.7	-4.21104	18.665579 µg/L	-0.0042110	0.01866558 mg/L	443.25%
Co 228.616	-16.6	-0.650063	1.3473352 µg/L	-0.650063	1.3473352 µg/L	207.26%
Cr 205.560	68.2	7.97663	9.382087 µg/L	7.97663	9.382087 µg/L	117.62%
Cu 327.394	-19.7	1.63516	0.509078 µg/L	1.63516	0.509078 µg/L	31.13%
Fe 238.204	191.0	10.6022	2.80546 µg/L	10.6022	2.80546 µg/L	26.46%
K 766.514	4745.3	0.793439	0.1790052 mg/L	0.793439	0.1790052 mg/L	22.56%
Li 670.781	262.7	-1.95189	0.349614 µg/L	-1.95189	0.349614 µg/L	17.91%
Mg 279.074	3517.2	2.65422	0.329854 mg/L	2.65422	0.329854 mg/L	12.43%
Mn 257.610	-155.0	-1.90383	0.453926 µg/L	-1.90383	0.453926 µg/L	23.84%
Mo 202.031	9.0	-1.12304	0.001055 µg/L	-1.12304	0.001055 µg/L	0.09%
Na 589.594	34987.5	2.10782	0.236795 mg/L	2.10782	0.236795 mg/L	11.23%
Ni 231.603	103.4	7.10803	8.553620 µg/L	7.10803	8.553620 µg/L	120.34%
Pb 220.353	-8.3	-1.26198	10.952381 µg/L	-1.26198	10.952381 µg/L	867.87%
Sb 206.831	-6.3	-48.1924	51.84159 µg/L	-48.1924	51.84159 µg/L	107.57%
Se 196.026	90.4	164.773	108.9812 µg/L	164.773	108.9812 µg/L	66.14%
Si 251.611	10668.9	1977.60	239.483 µg/L	1977.60	239.483 µg/L	12.11%
Sn 189.933	-3.4	-18.4389	0.00153 µg/L	-18.4389	0.00153 µg/L	0.01%
Sr 407.771	33027.9	20.7676	2.61046 µg/L	20.7676	2.61046 µg/L	12.57%
Ti 334.941	1995.4	0.780196	2.2234722 µg/L	0.780196	2.2234722 µg/L	284.99%
Tl 190.800	16.4	-9.59971	26.771039 µg/L	-9.59971	26.771039 µg/L	278.87%
V 292.402	-367.4	-3.67352	5.220579 µg/L	-3.67352	5.220579 µg/L	142.11%
Zn 206.200	8.7	2.29005	0.001291 µg/L	2.29005	0.001291 µg/L	0.06%

Replicate Data

ID: 1002144-07 Date: 2/18/10 9:04:03 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	434361.9	434361.9	99.5	µg/L		
1	Y 360.064	268609.7	268609.7	99.6	µg/L		
1	Ag 328.068	-47.8	-48.0	1.24610	µg/L	1.24610	µg/L
1	Al 396.140	1590.7	1598.6	188.687	µg/L	188.687	µg/L
1	As 188.979	8.5	8.6	0.663022	µg/L	0.663022	µg/L
1	B 249.773	343.5	345.2	14.1948	µg/L	14.1948	µg/L
1	Ba 455.403	13358.4	13424.5	6.11157	µg/L	6.11157	µg/L
1	Be 234.861	98.9	99.3	-0.154847	µg/L	-0.154847	µg/L
1	Ca 315.887	101054.0	101554.5	9.55999	mg/L	9.55999	mg/L
1	Cd 214.438	44.9	45.2	-0.222348	µg/L	-0.222348	µg/L
1	Ce 413.765	89.6	90.0	-1.45728	µg/L	-0.0014573	mg/L
1	Co 228.616	-19.6	-19.7	-1.57841	µg/L	-1.57841	µg/L
1	Cr 205.560	58.1	58.4	-0.764428	µg/L	-0.764428	µg/L
1	Cu 327.394	38.0	38.2	5.65624	µg/L	5.65624	µg/L
1	Fe 238.204	604.8	607.7	55.5269	µg/L	55.5269	µg/L
1	K 766.514	3064.9	3080.1	0.290287	mg/L	0.290287	mg/L
1	Li 670.781	352.8	354.6	-1.36614	µg/L	-1.36614	µg/L
1	Mg 279.074	1194.3	1200.3	0.904772	mg/L	0.904772	mg/L
1	Mn 257.610	-67.1	-67.4	-0.761333	µg/L	-0.761333	µg/L
1	Mo 202.031	4.1	4.1	-8.50207	µg/L	-8.50207	µg/L
1	Na 589.594	33266.7	33431.5	2.00475	mg/L	2.00475	mg/L
1	Ni 231.603	83.6	84.1	-4.22027	µg/L	-4.22027	µg/L
1	Pb 220.353	-4.6	-4.6	11.7882	µg/L	11.7882	µg/L
1	Sb 206.831	7.4	7.5	19.8871	µg/L	19.8871	µg/L
1	Se 196.026	91.1	91.6	173.088	µg/L	173.088	µg/L
1	Si 251.611	7982.1	8021.7	1425.28	µg/L	1425.28	µg/L
1	Sn 189.933	0.6	0.6	17.9823	µg/L	17.9823	µg/L
1	Sr 407.771	19181.4	19276.4	10.9272	µg/L	10.9272	µg/L
1	Ti 334.941	1908.4	1917.8	-0.0413288	µg/L	-0.0413288	µg/L
1	Tl 190.800	8.0	8.0	-59.5218	µg/L	-59.5218	µg/L
1	V 292.402	-347.8	-349.5	-2.52502	µg/L	-2.52502	µg/L
1	Zn 206.200	11.0	11.0	3.31393	µg/L	3.31393	µg/L
2	Sc 357.253	434107.6	434107.6	99.4	µg/L		
2	Y 360.064	268484.1	268484.1	99.6	µg/L		
2	Ag 328.068	-26.7	-26.9	2.07067	µg/L	2.07067	µg/L

2 Al 396.140	1655.4	1664.6	197.170 µg/L	197.170 µg/L
2 As 188.979	-2.9	-2.9	-63.8981 µg/L	-63.8981 µg/L
2 B 249.773	349.0	350.9	14.7557 µg/L	14.7557 µg/L
2 Ba 455.403	13366.5	13440.5	6.13716 µg/L	6.13716 µg/L
2 Be 234.861	96.4	96.9	-0.182276 µg/L	-0.182276 µg/L
2 Ca 315.887	102013.9	102579.2	9.65659 mg/L	9.65659 mg/L
2 Cd 214.438	41.2	41.4	-0.769421 µg/L	-0.769421 µg/L
2 Ce 413.765	111.2	111.8	1.81186 µg/L	0.0018119 mg/L
2 Co 228.616	-3.9	-4.0	3.13231 µg/L	3.13231 µg/L
2 Cr 205.560	56.7	57.0	-1.94678 µg/L	-1.94678 µg/L
2 Cu 327.394	-89.4	-89.9	-3.24366 µg/L	-3.24366 µg/L
2 Fe 238.204	624.5	628.0	57.7069 µg/L	57.7069 µg/L
2 K 766.514	3086.3	3103.4	0.297340 mg/L	0.297340 mg/L
2 Li 670.781	308.0	309.7	-1.65259 µg/L	-1.65259 µg/L
2 Mg 279.074	1149.8	1156.2	0.871503 mg/L	0.871503 mg/L
2 Mn 257.610	-99.1	-99.6	-1.18147 µg/L	-1.18147 µg/L
2 Mo 202.031	10.5	10.5	1.18616 µg/L	1.18616 µg/L
2 Na 589.594	33327.4	33512.1	2.01009 mg/L	2.01009 mg/L
2 Ni 231.603	79.1	79.5	-6.86470 µg/L	-6.86470 µg/L
2 Pb 220.353	-6.4	-6.4	5.40025 µg/L	5.40025 µg/L
2 Sb 206.831	5.7	5.7	11.1728 µg/L	11.1728 µg/L
2 Se 196.026	80.1	80.5	91.3169 µg/L	91.3169 µg/L
2 Si 251.611	8036.2	8080.7	1437.60 µg/L	1437.60 µg/L
2 Sn 189.933	-5.6	-5.7	-39.1752 µg/L	-39.1752 µg/L
2 Sr 407.771	19150.2	19256.3	10.9128 µg/L	10.9128 µg/L
2 Ti 334.941	1871.9	1882.3	-0.418080 µg/L	-0.418080 µg/L
2 Tl 190.800	15.0	15.1	-17.8425 µg/L	-17.8425 µg/L
2 V 292.402	-279.6	-281.2	1.86103 µg/L	1.86103 µg/L
2 Zn 206.200	1.7	1.7	-0.804768 µg/L	-0.804768 µg/L

Mean Data

ID: 1002144-07 Seq. No.: 23 Sample No.: 8 A/S Pos: 24
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 9:04:03 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	434234.7	99.5	0.04	µg/L				0.04%
Y 360.064	268546.9	99.6	0.03	µg/L				0.03%
Ag 328.068	-37.4	1.65838	0.583053	µg/L	1.65838	0.583053	µg/L	35.16%
Al 396.140	1631.6	192.928	5.9986	µg/L	192.928	5.9986	µg/L	3.11%
As 188.979	2.8	-31.6175	45.65161	µg/L	-31.6175	45.65161	µg/L	144.39%
B 249.773	348.1	14.4753	0.39668	µg/L	14.4753	0.39668	µg/L	2.74%
Ba 455.403	13432.5	6.12436	0.018095	µg/L	6.12436	0.018095	µg/L	0.30%
Be 234.861	98.1	-0.168562	0.0193950	µg/L	-0.168562	0.0193950	µg/L	11.51%
Ca 315.887	102066.8	9.60829	0.068311	mg/L	9.60829	0.068311	mg/L	0.71%
Cd 214.438	43.3	-0.495884	0.3868392	µg/L	-0.495884	0.3868392	µg/L	78.01%
Ce 413.765	100.9	0.177290	2.3116258	µg/L	0.0001773	0.00231163	mg/L	>999.9%
Co 228.616	-11.8	0.776951	3.3309790	µg/L	0.776951	3.3309790	µg/L	428.72%
Cr 205.560	57.7	-1.35561	0.836052	µg/L	-1.35561	0.836052	µg/L	61.67%
Cu 327.394	-25.9	1.20629	6.293176	µg/L	1.20629	6.293176	µg/L	521.70%
Fe 238.204	617.9	56.6169	1.54149	µg/L	56.6169	1.54149	µg/L	2.72%
K 766.514	3091.8	0.293813	0.0049868	mg/L	0.293813	0.0049868	mg/L	1.70%
Li 670.781	332.1	-1.50937	0.202555	µg/L	-1.50937	0.202555	µg/L	13.42%
Mg 279.074	1178.2	0.888138	0.0235245	mg/L	0.888138	0.0235245	mg/L	2.65%
Mn 257.610	-83.5	-0.971403	0.2970845	µg/L	-0.971403	0.2970845	µg/L	30.58%
Mo 202.031	7.3	-3.65795	6.850615	µg/L	-3.65795	6.850615	µg/L	187.28%
Na 589.594	33471.8	2.00742	0.003777	mg/L	2.00742	0.003777	mg/L	0.19%
Ni 231.603	81.8	-5.54249	1.869900	µg/L	-5.54249	1.869900	µg/L	33.74%
Pb 220.353	-5.5	8.59422	4.516964	µg/L	8.59422	4.516964	µg/L	52.56%
Sb 206.831	6.6	15.5300	6.16193	µg/L	15.5300	6.16193	µg/L	39.68%
Se 196.026	86.0	132.202	57.8208	µg/L	132.202	57.8208	µg/L	43.74%
Si 251.611	8051.2	1431.44	8.709	µg/L	1431.44	8.709	µg/L	0.61%
Sn 189.933	-2.5	-10.5965	40.41645	µg/L	-10.5965	40.41645	µg/L	381.41%
Sr 407.771	19266.4	10.9200	0.01017	µg/L	10.9200	0.01017	µg/L	0.09%
Ti 334.941	1900.1	-0.229704	0.2664030	µg/L	-0.229704	0.2664030	µg/L	115.98%
Tl 190.800	11.5	-38.6821	29.47173	µg/L	-38.6821	29.47173	µg/L	76.19%
V 292.402	-315.3	-0.331994	3.1014014	µg/L	-0.331994	3.1014014	µg/L	934.17%
Zn 206.200	6.4	1.25458	2.912362	µg/L	1.25458	2.912362	µg/L	232.14%

Replicate Data

ID: 1002144-08 Date: 2/18/10 9:07:27 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	436899.1	436899.1	100.1	µg/L		
1	Y 360.064	270319.0	270319.0	100.3	µg/L		
1	Ag 328.068	-52.6	-52.6	1.06830	µg/L	1.06830	µg/L
1	Al 396.140	26976.8	26953.0	3450.26	µg/L	3450.26	µg/L
1	As 188.979	9.5	9.5	5.75086	µg/L	5.75086	µg/L
1	B 249.773	436.8	436.4	23.2131	µg/L	23.2131	µg/L
1	Ba 455.403	25696.2	25673.5	25.6881	µg/L	25.6881	µg/L
1	Be 234.861	140.3	140.1	0.308340	µg/L	0.308340	µg/L
1	Ca 315.887	16238.5	16224.1	1.51537	mg/L	1.51537	mg/L
1	Cd 214.438	49.8	49.8	0.456719	µg/L	0.456719	µg/L
1	Ce 413.765	78.7	78.6	-3.16775	µg/L	-0.0031678	mg/L
1	Co 228.616	-2.6	-2.6	3.53555	µg/L	3.53555	µg/L
1	Cr 205.560	65.2	65.1	5.24748	µg/L	5.24748	µg/L
1	Cu 327.394	-39.3	-39.3	0.275354	µg/L	0.275354	µg/L
1	Fe 238.204	26248.6	26225.4	2817.20	µg/L	2817.20	µg/L
1	K 766.514	3169.4	3166.6	0.316921	mg/L	0.316921	mg/L
1	Li 670.781	693.2	692.5	0.789317	µg/L	0.789317	µg/L
1	Mg 279.074	561.4	560.9	0.418934	mg/L	0.418934	mg/L
1	Mn 257.610	4872.7	4868.4	63.6553	µg/L	63.6553	µg/L
1	Mo 202.031	5.2	5.2	-6.87231	µg/L	-6.87231	µg/L
1	Na 589.594	45615.4	45575.1	2.80908	mg/L	2.80908	mg/L
1	Ni 231.603	99.4	99.3	4.70849	µg/L	4.70849	µg/L
1	Pb 220.353	2.2	2.2	35.8520	µg/L	35.8520	µg/L
1	Sb 206.831	1.8	1.8	-8.22501	µg/L	-8.22501	µg/L
1	Se 196.026	82.0	81.9	101.890	µg/L	101.890	µg/L
1	Si 251.611	24702.3	24680.4	4901.01	µg/L	4901.01	µg/L
1	Sn 189.933	-0.1	-0.1	11.8181	µg/L	11.8181	µg/L
1	Sr 407.771	13650.0	13637.9	6.89234	µg/L	6.89234	µg/L
1	Ti 334.941	10744.6	10735.1	93.3993	µg/L	93.3993	µg/L
1	Tl 190.800	19.0	19.0	5.75491	µg/L	5.75491	µg/L
1	V 292.402	-207.2	-207.0	6.62660	µg/L	6.62660	µg/L
1	Zn 206.200	16.3	16.3	5.62794	µg/L	5.62794	µg/L
2	Sc 357.253	432039.0	432039.0	99.0	µg/L		
2	Y 360.064	267255.7	267255.7	99.1	µg/L		
2	Ag 328.068	-50.3	-50.9	1.13583	µg/L	1.13583	µg/L
2	Al 396.140	26978.3	27257.7	3489.46	µg/L	3489.46	µg/L
2	As 188.979	-5.0	-5.0	-75.9867	µg/L	-75.9867	µg/L
2	B 249.773	418.9	423.2	21.9095	µg/L	21.9095	µg/L
2	Ba 455.403	25563.3	25828.0	25.9349	µg/L	25.9349	µg/L
2	Be 234.861	134.6	136.0	0.261815	µg/L	0.261815	µg/L
2	Ca 315.887	16565.6	16737.1	1.56374	mg/L	1.56374	mg/L
2	Cd 214.438	50.2	50.7	0.586806	µg/L	0.586806	µg/L
2	Ce 413.765	135.6	137.0	5.59925	µg/L	0.0055992	mg/L
2	Co 228.616	-9.9	-10.0	1.34156	µg/L	1.34156	µg/L
2	Cr 205.560	61.6	62.2	2.63990	µg/L	2.63990	µg/L
2	Cu 327.394	-2.2	-2.2	2.84935	µg/L	2.84935	µg/L
2	Fe 238.204	26474.7	26748.9	2873.63	µg/L	2873.63	µg/L
2	K 766.514	3211.3	3244.6	0.340486	mg/L	0.340486	mg/L
2	Li 670.781	582.1	588.1	0.123302	µg/L	0.123302	µg/L
2	Mg 279.074	561.3	567.1	0.423599	mg/L	0.423599	mg/L
2	Mn 257.610	4955.5	5006.8	65.4618	µg/L	65.4618	µg/L
2	Mo 202.031	-0.3	-0.3	-15.1054	µg/L	-15.1054	µg/L
2	Na 589.594	45635.6	46108.2	2.84440	mg/L	2.84440	mg/L
2	Ni 231.603	91.0	92.0	0.415910	µg/L	0.415910	µg/L
2	Pb 220.353	-3.0	-3.0	17.3470	µg/L	17.3470	µg/L
2	Sb 206.831	-4.8	-4.8	-40.7883	µg/L	-40.7883	µg/L
2	Se 196.026	82.5	83.3	112.264	µg/L	112.264	µg/L
2	Si 251.611	24927.6	25185.7	5006.44	µg/L	5006.44	µg/L
2	Sn 189.933	-4.0	-4.0	-24.0851	µg/L	-24.0851	µg/L
2	Sr 407.771	13654.8	13796.2	7.00563	µg/L	7.00563	µg/L
2	Ti 334.941	10818.7	10930.7	95.4726	µg/L	95.4726	µg/L
2	Tl 190.800	10.2	10.3	-45.9731	µg/L	-45.9731	µg/L
2	V 292.402	-194.2	-196.2	7.31833	µg/L	7.31833	µg/L
2	Zn 206.200	15.4	15.6	5.32647	µg/L	5.32647	µg/L

Mean Data

ID: 1002144-08 Seq. No.: 24 Sample No.: 9 A/S Pos: 25

Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 9:07:27 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	434469.1	99.5	0.79	µg/L				0.79%
Y 360.064	268787.3	99.7	0.80	µg/L				0.81%
Ag 328.068	-51.7	1.10207	0.047751	µg/L	1.10207	0.047751	µg/L	4.33%
Al 396.140	27105.3	3469.86	27.719	µg/L	3469.86	27.719	µg/L	0.80%
As 188.979	2.2	-35.1179	57.79721	µg/L	-35.1179	57.79721	µg/L	164.58%
B 249.773	429.8	22.5613	0.92180	µg/L	22.5613	0.92180	µg/L	4.09%
Ba 455.403	25750.8	25.8115	0.17454	µg/L	25.8115	0.17454	µg/L	0.68%
Be 234.861	138.1	0.285078	0.0328978	µg/L	0.285078	0.0328978	µg/L	11.54%
Ca 315.887	16480.6	1.53955	0.034198	mg/L	1.53955	0.034198	mg/L	2.22%
Cd 214.438	50.2	0.521763	0.0919853	µg/L	0.521763	0.0919853	µg/L	17.63%
Ce 413.765	107.8	1.21575	6.199205	µg/L	0.0012157	0.00619920	mg/L	509.91%
Co 228.616	-6.3	2.43856	1.551388	µg/L	2.43856	1.551388	µg/L	63.62%
Cr 205.560	63.7	3.94369	1.843840	µg/L	3.94369	1.843840	µg/L	46.75%
Cu 327.394	-20.7	1.56235	1.820091	µg/L	1.56235	1.820091	µg/L	116.50%
Fe 238.204	26487.1	2845.42	39.903	µg/L	2845.42	39.903	µg/L	1.40%
K 766.514	3205.6	0.328703	0.0166626	mg/L	0.328703	0.0166626	mg/L	5.07%
Li 670.781	640.3	0.456309	0.4709437	µg/L	0.456309	0.4709437	µg/L	103.21%
Mg 279.074	564.0	0.421267	0.0032990	mg/L	0.421267	0.0032990	mg/L	0.78%
Mn 257.610	4937.6	64.5586	1.27738	µg/L	64.5586	1.27738	µg/L	1.98%
Mo 202.031	2.4	-10.9888	5.82166	µg/L	-10.9888	5.82166	µg/L	52.98%
Na 589.594	45841.6	2.82674	0.024971	mg/L	2.82674	0.024971	mg/L	0.88%
Ni 231.603	95.6	2.56220	3.035313	µg/L	2.56220	3.035313	µg/L	118.47%
Pb 220.353	-0.4	26.5995	13.08502	µg/L	26.5995	13.08502	µg/L	49.19%
Sb 206.831	-1.5	-24.5067	23.02572	µg/L	-24.5067	23.02572	µg/L	93.96%
Se 196.026	82.6	107.077	7.3353	µg/L	107.077	7.3353	µg/L	6.85%
Si 251.611	24933.1	4953.73	74.548	µg/L	4953.73	74.548	µg/L	1.50%
Sn 189.933	-2.0	-6.13349	25.387378	µg/L	-6.13349	25.387378	µg/L	413.91%
Sr 407.771	13717.1	6.94898	0.080108	µg/L	6.94898	0.080108	µg/L	1.15%
Ti 334.941	10832.9	94.4360	1.46604	µg/L	94.4360	1.46604	µg/L	1.55%
Tl 190.800	14.7	-20.1091	36.57721	µg/L	-20.1091	36.57721	µg/L	181.89%
V 292.402	-201.6	6.97247	0.489123	µg/L	6.97247	0.489123	µg/L	7.02%
Zn 206.200	15.9	5.47721	0.213167	µg/L	5.47721	0.213167	µg/L	3.89%

Replicate Data
ID: 1002144-09 Date: 2/18/10 9:10:45 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	413553.9	413553.9	94.7	µg/L		
1	Y 360.064	254780.0	254780.0	94.5	µg/L		
1	Ag 328.068	-66.9	-70.6	0.368277	µg/L	0.368277	µg/L
1	Al 396.140	118.5	125.1	-0.865585	µg/L	-0.865585	µg/L
1	As 188.979	-4.1	-4.3	-71.8770	µg/L	-71.8770	µg/L
1	B 249.773	375.1	396.0	19.2115	µg/L	19.2115	µg/L
1	Ba 455.403	11996.6	12662.6	4.89383	µg/L	4.89383	µg/L
1	Be 234.861	87.4	92.2	-0.235610	µg/L	-0.235610	µg/L
1	Ca 315.887	116376.5	122837.3	11.5664	mg/L	11.5664	mg/L
1	Cd 214.438	40.6	42.8	-0.561957	µg/L	-0.561957	µg/L
1	Ce 413.765	171.5	181.0	12.2110	µg/L	0.0122110	mg/L
1	Co 228.616	-4.7	-5.0	2.83282	µg/L	2.83282	µg/L
1	Cr 205.560	59.8	63.1	3.45849	µg/L	3.45849	µg/L
1	Cu 327.394	29.0	30.7	5.13391	µg/L	5.13391	µg/L
1	Fe 238.204	658.2	694.8	64.9070	µg/L	64.9070	µg/L
1	K 766.514	4507.8	4758.0	0.797231	mg/L	0.797231	mg/L
1	Li 670.781	326.1	344.2	-1.43257	µg/L	-1.43257	µg/L
1	Mg 279.074	1628.7	1719.1	1.29683	mg/L	1.29683	mg/L
1	Mn 257.610	-88.9	-93.8	-1.10545	µg/L	-1.10545	µg/L
1	Mo 202.031	13.8	14.6	7.28016	µg/L	7.28016	µg/L
1	Na 589.594	40054.2	42277.8	2.59124	mg/L	2.59124	mg/L
1	Ni 231.603	78.8	83.2	-4.73099	µg/L	-4.73099	µg/L
1	Pb 220.353	-9.8	-10.3	-8.24830	µg/L	-8.24830	µg/L
1	Sb 206.831	9.8	10.4	34.2888	µg/L	34.2888	µg/L
1	Se 196.026	75.5	79.7	85.2661	µg/L	85.2661	µg/L
1	Si 251.611	9212.9	9724.4	1780.54	µg/L	1780.54	µg/L
1	Sn 189.933	-3.8	-4.0	-24.1249	µg/L	-24.1249	µg/L
1	Sr 407.771	43379.4	45787.7	29.8984	µg/L	29.8984	µg/L

1 Ti 334.941	1852.9	1955.7	0.360304 µg/L	0.360304 µg/L	
1 Tl 190.800	14.6	15.5	-15.4351 µg/L	-15.4351 µg/L	
1 V 292.402	-260.0	-274.4	2.29694 µg/L	2.29694 µg/L	
1 Zn 206.200	8.1	8.5	2.21025 µg/L	2.21025 µg/L	
2 Sc 357.253	410771.6	410771.6	94.1 µg/L		
2 Y 360.064	252999.1	252999.1	93.8 µg/L		
2 Ag 328.068	-14.2	-15.1	2.52679 µg/L	2.52679 µg/L	
2 Al 396.140	213.2	226.5	12.1847 µg/L	12.1847 µg/L	
2 As 188.979	9.0	9.6	6.44442 µg/L	6.44442 µg/L	
2 B 249.773	347.6	369.4	16.5838 µg/L	16.5838 µg/L	
2 Ba 455.403	12124.5	12884.3	5.24811 µg/L	5.24811 µg/L	
2 Be 234.861	109.0	115.8	0.0322672 µg/L	0.0322672 µg/L	
2 Ca 315.887	116646.9	123956.7	11.6720 mg/L	11.6720 mg/L	
2 Cd 214.438	46.5	49.4	0.400368 µg/L	0.400368 µg/L	
2 Ce 413.765	123.4	131.1	4.71325 µg/L	0.0047133 mg/L	
2 Co 228.616	-8.2	-8.7	1.72284 µg/L	1.72284 µg/L	
2 Cr 205.560	54.1	57.5	-1.58541 µg/L	-1.58541 µg/L	
2 Cu 327.394	-7.0	-7.5	2.48310 µg/L	2.48310 µg/L	
2 Fe 238.204	640.3	680.5	63.3669 µg/L	63.3669 µg/L	
2 K 766.514	4255.0	4521.7	0.725842 mg/L	0.725842 mg/L	
2 Li 670.781	300.0	318.8	-1.59468 µg/L	-1.59468 µg/L	
2 Mg 279.074	1702.2	1808.8	1.36460 mg/L	1.36460 mg/L	
2 Mn 257.610	-98.2	-104.4	-1.24337 µg/L	-1.24337 µg/L	
2 Mo 202.031	7.3	7.8	-2.94215 µg/L	-2.94215 µg/L	
2 Na 589.594	40090.9	42603.3	2.61280 mg/L	2.61280 mg/L	
2 Ni 231.603	74.6	79.3	-7.03037 µg/L	-7.03037 µg/L	
2 Pb 220.353	-7.8	-8.3	-1.19804 µg/L	-1.19804 µg/L	
2 Sb 206.831	-4.4	-4.7	-40.3059 µg/L	-40.3059 µg/L	
2 Se 196.026	82.5	87.6	144.038 µg/L	144.038 µg/L	
2 Si 251.611	9270.4	9851.3	1807.03 µg/L	1807.03 µg/L	
2 Sn 189.933	-2.9	-3.1	-15.6843 µg/L	-15.6843 µg/L	
2 Sr 407.771	43427.1	46148.5	30.1566 µg/L	30.1566 µg/L	
2 Ti 334.941	1796.7	1909.3	-0.132115 µg/L	-0.132115 µg/L	
2 Tl 190.800	14.0	14.9	-18.7480 µg/L	-18.7480 µg/L	
2 V 292.402	-272.1	-289.2	1.34754 µg/L	1.34754 µg/L	
2 Zn 206.200	11.6	12.4	3.90094 µg/L	3.90094 µg/L	

Mean Data

ID: 1002144-09 Seq. No.: 25 Sample No.: 10 A/S Pos: 26
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 9:10:45 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	412162.7	94.4	0.45	µg/L				0.48%
Y 360.064	253889.5	94.2	0.47	µg/L				0.50%
Ag 328.068	-42.9	1.44753	1.526301	µg/L	1.44753	1.526301	µg/L	105.44%
Al 396.140	175.8	5.65955	9.227934	µg/L	5.65955	9.227934	µg/L	163.05%
As 188.979	2.7	-32.7163	55.38158	µg/L	-32.7163	55.38158	µg/L	169.28%
B 249.773	382.7	17.8976	1.85807	µg/L	17.8976	1.85807	µg/L	10.38%
Ba 455.403	12773.4	5.07097	0.250510	µg/L	5.07097	0.250510	µg/L	4.94%
Be 234.861	104.0	-0.101672	0.1894181	µg/L	-0.101672	0.1894181	µg/L	186.30%
Ca 315.887	123397.0	11.6192	0.07462	mg/L	11.6192	0.07462	mg/L	0.64%
Cd 214.438	46.1	-0.0807945	0.68046628	µg/L	-0.0807945	0.68046628	µg/L	842.22%
Ce 413.765	156.1	8.46211	5.301685	µg/L	0.0084621	0.00530168	mg/L	62.65%
Co 228.616	-6.8	2.27783	0.784868	µg/L	2.27783	0.784868	µg/L	34.46%
Cr 205.560	60.3	0.936539	3.5665785	µg/L	0.936539	3.5665785	µg/L	380.83%
Cu 327.394	11.6	3.80850	1.874405	µg/L	3.80850	1.874405	µg/L	49.22%
Fe 238.204	687.6	64.1369	1.08900	µg/L	64.1369	1.08900	µg/L	1.70%
K 766.514	4639.8	0.761537	0.0504796	mg/L	0.761537	0.0504796	mg/L	6.63%
Li 670.781	331.5	-1.51363	0.114626	µg/L	-1.51363	0.114626	µg/L	7.57%
Mg 279.074	1764.0	1.33071	0.047915	mg/L	1.33071	0.047915	mg/L	3.60%
Mn 257.610	-99.1	-1.17441	0.097520	µg/L	-1.17441	0.097520	µg/L	8.30%
Mo 202.031	11.2	2.16900	7.228264	µg/L	2.16900	7.228264	µg/L	333.25%
Na 589.594	42440.6	2.60202	0.015245	mg/L	2.60202	0.015245	mg/L	0.59%
Ni 231.603	81.2	-5.88068	1.625901	µg/L	-5.88068	1.625901	µg/L	27.65%
Pb 220.353	-9.3	-4.72317	4.985285	µg/L	-4.72317	4.985285	µg/L	105.55%
Sb 206.831	2.8	-3.00853	52.746434	µg/L	-3.00853	52.746434	µg/L	>999.9%
Se 196.026	83.7	114.652	41.5581	µg/L	114.652	41.5581	µg/L	36.25%
Si 251.611	9787.9	1793.78	18.734	µg/L	1793.78	18.734	µg/L	1.04%
Sn 189.933	-3.6	-19.9046	5.96840	µg/L	-19.9046	5.96840	µg/L	29.99%

Sr 407.771	45968.1	30.0275	0.18259 µg/L		30.0275	0.18259 µg/L	0.61%
Ti 334.941	1932.5	0.114094	0.3481925 µg/L		0.114094	0.3481925 µg/L	305.18%
Tl 190.800	15.2	-17.0916	2.34256 µg/L		-17.0916	2.34256 µg/L	13.71%
V 292.402	-281.8	1.82224	0.671322 µg/L		1.82224	0.671322 µg/L	36.84%
Zn 206.200	10.4	3.05559	1.195499 µg/L		3.05559	1.195499 µg/L	39.12%

Replicate Data

ID: 0B18004-CCV Date: 2/18/10 9:14:04 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	421767.9	421767.9	96.6	µg/L		
1	Y 360.064	260395.9	260395.9	96.6	µg/L		
1	Ag 328.068	12308.6	12739.0	499.081	µg/L		
1	Al 396.140	18998.0	19662.2	2512.38	µg/L		
1	As 188.979	443.4	458.9	2533.42	µg/L		
1	B 249.773	4945.1	5117.9	486.233	µg/L		
1	Ba 455.403	308938.3	319738.8	495.666	µg/L		
1	Be 234.861	4363.6	4516.1	50.0129	µg/L		
1	Ca 315.887	50821.6	52598.3	4.94242	mg/L		
1	Cd 214.438	3303.2	3418.7	494.775	µg/L		
1	Ce 413.765	154.7	160.1	9.07064	µg/L		
1	Co 228.616	1584.6	1640.0	495.221	µg/L		
1	Cr 205.560	603.5	624.6	503.237	µg/L		
1	Cu 327.394	6958.3	7201.6	503.466	µg/L		
1	Fe 238.204	4592.6	4753.1	502.415	µg/L		
1	K 766.514	18210.2	18846.8	5.05379	mg/L		
1	Li 670.781	76288.3	78955.3	499.939	µg/L		
1	Mg 279.074	6481.3	6707.9	5.06249	mg/L		
1	Mn 257.610	36922.2	38213.0	498.826	µg/L		
1	Mo 202.031	333.4	345.0	504.897	µg/L		
1	Na 589.594	76275.0	78941.5	5.01798	mg/L		
1	Ni 231.603	912.0	943.9	500.382	µg/L		
1	Pb 220.353	124.6	129.0	480.745	µg/L		
1	Sb 206.831	486.7	503.7	2471.36	µg/L		
1	Se 196.026	394.2	408.0	2514.90	µg/L		
1	Si 251.611	12808.6	13256.4	2517.46	µg/L		
1	Sn 189.933	267.3	276.7	2535.84	µg/L		
1	Sr 407.771	675761.0	699385.7	497.606	µg/L		
1	Ti 334.941	46936.6	48577.5	494.434	µg/L		
1	Tl 190.800	436.2	451.5	2568.28	µg/L		
1	V 292.402	7164.1	7414.5	496.081	µg/L		
1	Zn 206.200	1080.4	1118.2	492.958	µg/L		
2	Sc 357.253	417300.2	417300.2	95.6	µg/L		
2	Y 360.064	257202.7	257202.7	95.4	µg/L		
2	Ag 328.068	12462.6	13036.4	510.662	µg/L		
2	Al 396.140	19156.9	20038.9	2560.84	µg/L		
2	As 188.979	438.7	458.9	2533.68	µg/L		
2	B 249.773	4982.4	5211.8	495.517	µg/L		
2	Ba 455.403	309429.6	323676.0	501.959	µg/L		
2	Be 234.861	4431.8	4635.8	51.3723	µg/L		
2	Ca 315.887	51139.7	53494.2	5.02683	mg/L		
2	Cd 214.438	3293.7	3445.3	498.682	µg/L		
2	Ce 413.765	26.1	27.3	-10.8742	µg/L		
2	Co 228.616	1594.5	1667.9	503.561	µg/L		
2	Cr 205.560	610.6	638.7	515.818	µg/L		
2	Cu 327.394	6978.2	7299.5	510.271	µg/L		
2	Fe 238.204	4638.1	4851.6	513.031	µg/L		
2	K 766.514	18023.2	18853.0	5.05565	mg/L		
2	Li 670.781	76212.6	79721.5	504.825	µg/L		
2	Mg 279.074	6444.7	6741.5	5.08783	mg/L		
2	Mn 257.610	37038.5	38743.8	505.753	µg/L		
2	Mo 202.031	339.0	354.6	519.266	µg/L		
2	Na 589.594	76243.4	79753.7	5.07175	mg/L		
2	Ni 231.603	897.6	938.9	497.449	µg/L		
2	Pb 220.353	128.9	134.8	501.196	µg/L		
2	Sb 206.831	498.2	521.2	2557.73	µg/L		
2	Se 196.026	391.4	409.4	2525.36	µg/L		
2	Si 251.611	12919.1	13513.9	2571.20	µg/L		
2	Sn 189.933	266.7	279.0	2556.75	µg/L		

2 Sr 407.771	675690.3	706799.6	502.912	µg/L
2 Ti 334.941	47282.3	49459.2	503.779	µg/L
2 Tl 190.800	428.8	448.6	2551.06	µg/L
2 V 292.402	7193.1	7524.2	503.128	µg/L
2 Zn 206.200	1089.4	1139.6	502.415	µg/L

Mean Data

ID: 0B18004-CCV Seq. No.: 26 Sample No.: 8 A/S Pos: 4
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 9:14:04 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	419534.1	96.1	0.72	µg/L				0.75%
Y 360.064	258799.3	96.0	0.84	µg/L				0.87%
Ag 328.068	12887.7	504.871	8.1893	µg/L				1.62%
Al 396.140	19850.5	2536.61	34.268	µg/L				1.35%
As 188.979	458.9	2533.55	0.180	µg/L				0.01%
B 249.773	5164.9	490.875	6.5647	µg/L				1.34%
Ba 455.403	321707.4	498.813	4.4494	µg/L				0.89%
Be 234.861	4576.0	50.6926	0.96126	µg/L				1.90%
Ca 315.887	53046.3	4.98463	0.059685	mg/L				1.20%
Cd 214.438	3432.0	496.728	2.7631	µg/L				0.56%
Ce 413.765	93.7	-0.901789	14.1031431	µg/L				>999.9%
Co 228.616	1654.0	499.391	5.8973	µg/L				1.18%
Cr 205.560	631.6	509.527	8.8967	µg/L				1.75%
Cu 327.394	7250.5	506.869	4.8117	µg/L				0.95%
Fe 238.204	4802.4	507.723	7.5061	µg/L				1.48%
K 766.514	18849.9	5.05472	0.001318	mg/L				0.03%
Li 670.781	79338.4	502.382	3.4553	µg/L				0.69%
Mg 279.074	6724.7	5.07516	0.017918	mg/L				0.35%
Mn 257.610	38478.4	502.289	4.8983	µg/L				0.98%
Mo 202.031	349.8	512.081	10.1605	µg/L				1.98%
Na 589.594	79347.6	5.04487	0.038017	mg/L				0.75%
Ni 231.603	941.4	498.915	2.0738	µg/L				0.42%
Pb 220.353	131.9	490.970	14.4610	µg/L				2.95%
Sb 206.831	512.4	2514.55	61.071	µg/L				2.43%
Se 196.026	408.7	2520.13	7.390	µg/L				0.29%
Si 251.611	13385.1	2544.33	37.996	µg/L				1.49%
Sn 189.933	277.8	2546.30	14.780	µg/L				0.58%
Sr 407.771	703092.7	500.259	3.7514	µg/L				0.75%
Ti 334.941	49018.4	499.106	6.6074	µg/L				1.32%
Tl 190.800	450.0	2559.67	12.174	µg/L				0.48%
V 292.402	7469.4	499.605	4.9830	µg/L				1.00%
Zn 206.200	1128.9	497.687	6.6868	µg/L				1.34%

Replicate Data

ID: 0B18004-CCB Date: 2/18/10 9:17:20 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	414873.0	414873.0	95.0	µg/L		
1	Y 360.064	256508.9	256508.9	95.1	µg/L		
1	Ag 328.068	27.1	28.5	4.22736	µg/L		
1	Al 396.140	70.8	74.5	-7.37273	µg/L		
1	As 188.979	9.1	9.6	6.50212	µg/L		
1	B 249.773	157.6	165.8	-3.55438	µg/L		
1	Ba 455.403	8496.5	8939.7	-1.05609	µg/L		
1	Be 234.861	114.2	120.2	0.0819124	µg/L		
1	Ca 315.887	-225.3	-237.1	-0.0365217	mg/L		
1	Cd 214.438	38.9	41.0	-0.835967	µg/L		
1	Ce 413.765	130.6	137.4	5.66220	µg/L		
1	Co 228.616	-9.0	-9.5	1.49198	µg/L		
1	Cr 205.560	58.4	61.5	2.00492	µg/L		
1	Cu 327.394	-56.0	-58.9	-1.08892	µg/L		
1	Fe 238.204	102.5	107.9	1.63950	µg/L		
1	K 766.514	2206.5	2321.6	0.0608402	mg/L		
1	Li 670.781	157.9	166.1	-2.56833	µg/L		
1	Mg 279.074	23.5	24.8	0.0159068	mg/L		
1	Mn 257.610	-162.6	-171.1	-2.11369	µg/L		
1	Mo 202.031	6.4	6.7	-4.57264	µg/L		

1	Na 589.594	2635.5	2773.0	-0.0259140	mg/L
1	Ni 231.603	96.9	101.9	6.25867	µg/L
1	Pb 220.353	-3.2	-3.4	16.1328	µg/L
1	Sb 206.831	4.3	4.5	5.08672	µg/L
1	Se 196.026	83.6	88.0	146.631	µg/L
1	Si 251.611	1100.0	1157.4	-6.90424	µg/L
1	Sn 189.933	-6.1	-6.4	-45.7974	µg/L
1	Sr 407.771	800.7	842.5	-2.26394	µg/L
1	Ti 334.941	1771.7	1864.1	-0.610638	µg/L
1	Tl 190.800	11.8	12.4	-33.6044	µg/L
1	V 292.402	-299.8	-315.4	-0.336849	µg/L
1	Zn 206.200	-1.0	-1.1	-2.05056	µg/L
2	Sc 357.253	414272.9	414272.9	94.9	µg/L
2	Y 360.064	256315.7	256315.7	95.1	µg/L
2	Ag 328.068	-109.0	-114.8	-1.35373	µg/L
2	Al 396.140	-54.9	-57.9	-24.4021	µg/L
2	As 188.979	-7.7	-8.1	-93.3001	µg/L
2	B 249.773	149.6	157.6	-4.36103	µg/L
2	Ba 455.403	8621.1	9083.9	-0.825652	µg/L
2	Be 234.861	99.8	105.2	-0.0887471	µg/L
2	Ca 315.887	-232.6	-245.1	-0.0372829	mg/L
2	Cd 214.438	56.3	59.3	1.85169	µg/L
2	Ce 413.765	42.3	44.6	-8.27943	µg/L
2	Co 228.616	-11.3	-11.9	0.750825	µg/L
2	Cr 205.560	60.9	64.1	4.35061	µg/L
2	Cu 327.394	-34.6	-36.4	0.470436	µg/L
2	Fe 238.204	117.9	124.2	3.40045	µg/L
2	K 766.514	2014.4	2122.6	0.0007184	mg/L
2	Li 670.781	159.6	168.2	-2.55515	µg/L
2	Mg 279.074	48.6	51.2	0.0358446	mg/L
2	Mn 257.610	-207.3	-218.4	-2.73116	µg/L
2	Mo 202.031	2.6	2.8	-10.5302	µg/L
2	Na 589.594	2636.7	2778.2	-0.0255681	mg/L
2	Ni 231.603	81.4	85.8	-3.21601	µg/L
2	Pb 220.353	-8.2	-8.6	-2.32894	µg/L
2	Sb 206.831	4.2	4.5	5.00125	µg/L
2	Se 196.026	82.7	87.1	140.211	µg/L
2	Si 251.611	1101.9	1161.1	-6.12586	µg/L
2	Sn 189.933	-0.2	-0.3	10.2244	µg/L
2	Sr 407.771	703.7	741.5	-2.33617	µg/L
2	Ti 334.941	1803.1	1899.9	-0.231858	µg/L
2	Tl 190.800	12.5	13.2	-28.8281	µg/L
2	V 292.402	-322.2	-339.5	-1.88239	µg/L
2	Zn 206.200	-4.1	-4.3	-3.45438	µg/L

Mean Data ----------

ID: 0B18004-CCB Seq. No.: 27 Sample No.: 9 A/S Pos: 1

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 2/18/10 9:17:20 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	414572.9	95.0	0.10	µg/L				0.10%
Y 360.064	256412.3	95.1	0.05	µg/L				0.05%
Ag 328.068	-43.1	1.43682	3.946427	µg/L				274.66%
Al 396.140	8.3	-15.8874	12.04161	µg/L				75.79%
As 188.979	0.8	-43.3990	70.57085	µg/L				162.61%
B 249.773	161.7	-3.95770	0.570388	µg/L				14.41%
Ba 455.403	9011.8	-0.940871	0.1629450	µg/L				17.32%
Be 234.861	112.7	-0.0034174	0.12067447	µg/L				>999.9%
Ca 315.887	-241.1	-0.0369023	0.00053825	mg/L				1.46%
Cd 214.438	50.1	0.507863	1.9004624	µg/L				374.21%
Ce 413.765	91.0	-1.30861	9.858221	µg/L				753.33%
Co 228.616	-10.7	1.12140	0.524075	µg/L				46.73%
Cr 205.560	62.8	3.17776	1.658651	µg/L				52.20%
Cu 327.394	-47.7	-0.309240	1.1026288	µg/L				356.56%
Fe 238.204	116.1	2.51998	1.245176	µg/L				49.41%
K 766.514	2222.1	0.0307793	0.04251252	mg/L				138.12%
Li 670.781	167.1	-2.56174	0.009320	µg/L				0.36%
Mg 279.074	38.0	0.0258757	0.01409814	mg/L				54.48%
Mn 257.610	-194.7	-2.42242	0.436612	µg/L				18.02%

Mo 202.031	4.7	-7.55140	4.212602 µg/L		55.79%
Na 589.594	2775.6	-0.0257410	0.00024463 mg/L		0.95%
Ni 231.603	93.8	1.52133	6.699612 µg/L		440.38%
Pb 220.353	-6.0	6.90194	13.054435 µg/L		189.14%
Sb 206.831	4.5	5.04399	0.060430 µg/L		1.20%
Se 196.026	87.6	143.421	4.5398 µg/L		3.17%
*QC exceeds upper limit for Se 196.026 Action = Continue					
Si 251.611	1159.2	-6.51505	0.550397 µg/L		8.45%
Sn 189.933	-3.3	-17.7865	39.61338 µg/L		222.72%
Sr 407.771	792.0	-2.30005	0.051079 µg/L		2.22%
Ti 334.941	1882.0	-0.421248	0.2678382 µg/L		63.58%
Tl 190.800	12.8	-31.2162	3.37739 µg/L		10.82%
V 292.402	-327.4	-1.10962	1.092864 µg/L		98.49%
Zn 206.200	-2.7	-2.75247	0.992645 µg/L		36.06%

Replicate Data

ID: 1002144-10 Date: 2/18/10 9:20:39 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	431419.7	431419.7	98.8	µg/L		
1	Y 360.064	266599.9	266599.9	98.9	µg/L		
1	Ag 328.068	-70.1	-70.9	0.354448	µg/L	0.354448	µg/L
1	Al 396.140	19391.3	19620.2	2506.98	µg/L	2506.98	µg/L
1	As 188.979	16.9	17.1	48.8198	µg/L	48.8198	µg/L
1	B 249.773	12020.1	12162.0	1182.92	µg/L	1182.92	µg/L
1	Ba 455.403	220310.5	222911.4	340.916	µg/L	340.916	µg/L
1	Be 234.861	161.6	163.5	0.573849	µg/L	0.573849	µg/L
1	Ca 315.887	279551.1	282851.5	26.6520	mg/L	26.6520	mg/L
1	Cd 214.438	69.6	70.4	3.48300	µg/L	3.48300	µg/L
1	Ce 413.765	71.3	72.2	-4.14064	µg/L	-0.0041406	mg/L
1	Co 228.616	3.4	3.4	5.34387	µg/L	5.34387	µg/L
1	Cr 205.560	76.0	76.9	15.7004	µg/L	15.7004	µg/L
1	Cu 327.394	2033.5	2057.5	145.985	µg/L	145.985	µg/L
1	Fe 238.204	40480.3	40958.2	4405.45	µg/L	4405.45	µg/L
1	K 766.514	4877.8	4935.4	0.852545	mg/L	0.852545	mg/L
1	Li 670.781	692.9	701.1	0.843854	µg/L	0.843854	µg/L
1	Mg 279.074	3025.0	3060.7	2.30760	mg/L	2.30760	mg/L
1	Mn 257.610	26163.9	26472.8	345.608	µg/L	345.608	µg/L
1	Mo 202.031	6.3	6.4	-5.08361	µg/L	-5.08361	µg/L
1	Na 589.594	472875.4	478458.1	31.4824	mg/L	31.4824	mg/L
1	Ni 231.603	99.9	101.1	5.76696	µg/L	5.76696	µg/L
1	Pb 220.353	150.4	152.2	562.131	µg/L	562.131	µg/L
1	Sb 206.831	18.6	18.8	76.0804	µg/L	76.0804	µg/L
1	Se 196.026	90.9	92.0	176.339	µg/L	176.339	µg/L
1	Si 251.611	28005.0	28335.7	5663.65	µg/L	5663.65	µg/L
1	Sn 189.933	-2.8	-2.8	-13.3185	µg/L	-13.3185	µg/L
1	Sr 407.771	89747.6	90807.2	62.1139	µg/L	62.1139	µg/L
1	Ti 334.941	7169.5	7254.1	56.5098	µg/L	56.5098	µg/L
1	Tl 190.800	16.7	16.9	-6.98723	µg/L	-6.98723	µg/L
1	V 292.402	-183.2	-185.3	8.01636	µg/L	8.01636	µg/L
1	Zn 206.200	772.3	781.4	344.027	µg/L	344.027	µg/L
2	Sc 357.253	430138.1	430138.1	98.5	µg/L		
2	Y 360.064	265609.9	265609.9	98.5	µg/L		
2	Ag 328.068	-60.8	-61.7	0.712426	µg/L	0.712426	µg/L
2	Al 396.140	19412.7	19700.4	2517.30	µg/L	2517.30	µg/L
2	As 188.979	9.0	9.2	4.01607	µg/L	4.01607	µg/L
2	B 249.773	12143.9	12323.8	1198.92	µg/L	1198.92	µg/L
2	Ba 455.403	221447.4	224729.4	343.821	µg/L	343.821	µg/L
2	Be 234.861	183.6	186.3	0.833270	µg/L	0.833270	µg/L
2	Ca 315.887	281168.0	285335.1	26.8861	mg/L	26.8861	mg/L
2	Cd 214.438	64.5	65.4	2.75236	µg/L	2.75236	µg/L
2	Ce 413.765	149.9	152.2	7.87478	µg/L	0.0078748	mg/L
2	Co 228.616	23.3	23.7	11.4041	µg/L	11.4041	µg/L
2	Cr 205.560	84.3	85.6	23.4565	µg/L	23.4565	µg/L
2	Cu 327.394	1900.5	1928.6	137.030	µg/L	137.030	µg/L
2	Fe 238.204	40637.6	41239.9	4435.81	µg/L	4435.81	µg/L
2	K 766.514	4753.1	4823.5	0.818774	mg/L	0.818774	mg/L
2	Li 670.781	736.7	747.7	1.14077	µg/L	1.14077	µg/L
2	Mg 279.074	3175.1	3222.2	2.42954	mg/L	2.42954	mg/L

2 Mn 257.610	26182.2	26570.2	346.879 µg/L	346.879 µg/L	
2 Mo 202.031	9.4	9.5	-0.352564 µg/L	-0.352564 µg/L	
2 Na 589.594	475621.6	482670.6	31.7614 mg/L	31.7614 mg/L	
2 Ni 231.603	94.4	95.8	2.67158 µg/L	2.67158 µg/L	
2 Pb 220.353	162.5	164.9	606.835 µg/L	606.835 µg/L	
2 Sb 206.831	24.4	24.8	105.523 µg/L	105.523 µg/L	
2 Se 196.026	74.5	75.7	55.3371 µg/L	55.3371 µg/L	
2 Si 251.611	28287.3	28706.5	5741.02 µg/L	5741.02 µg/L	
2 Sn 189.933	-7.9	-8.0	-60.6995 µg/L	-60.6995 µg/L	
2 Sr 407.771	90155.6	91491.8	62.6037 µg/L	62.6037 µg/L	
2 Ti 334.941	7068.8	7173.5	55.6560 µg/L	55.6560 µg/L	
2 Tl 190.800	20.6	20.9	16.9612 µg/L	16.9612 µg/L	
2 V 292.402	-130.7	-132.6	11.4038 µg/L	11.4038 µg/L	
2 Zn 206.200	770.5	781.9	344.241 µg/L	344.241 µg/L	

Mean Data

ID: 1002144-10 Seq. No.: 28 Sample No.: 11 A/S Pos: 27
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 9:20:39 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	430778.9	98.7	0.21	µg/L				0.21%
Y 360.064	266104.9	98.7	0.26	µg/L				0.26%
Ag 328.068	-66.3	0.533437	0.2531287	µg/L	0.533437	0.2531287	µg/L	47.45%
Al 396.140	19660.3	2512.14	7.298	µg/L	2512.14	7.298	µg/L	0.29%
As 188.979	13.2	26.4179	31.68101	µg/L	26.4179	31.68101	µg/L	119.92%
B 249.773	12242.9	1190.92	11.317	µg/L	1190.92	11.317	µg/L	0.95%
Ba 455.403	223820.4	342.369	2.0545	µg/L	342.369	2.0545	µg/L	0.60%
Be 234.861	174.9	0.703559	0.1834384	µg/L	0.703559	0.1834384	µg/L	26.07%
Ca 315.887	284093.3	26.7690	0.16557	mg/L	26.7690	0.16557	mg/L	0.62%
Cd 214.438	67.9	3.11768	0.516642	µg/L	3.11768	0.516642	µg/L	16.57%
Ce 413.765	112.2	1.86707	8.496184	µg/L	0.0018671	0.00849618	mg/L	455.05%
Co 228.616	13.5	8.37399	4.285228	µg/L	8.37399	4.285228	µg/L	51.17%
Cr 205.560	81.2	19.5785	5.48443	µg/L	19.5785	5.48443	µg/L	28.01%
Cu 327.394	1993.1	141.507	6.3315	µg/L	141.507	6.3315	µg/L	4.47%
Fe 238.204	41099.0	4420.63	21.471	µg/L	4420.63	21.471	µg/L	0.49%
K 766.514	4879.4	0.835659	0.0238792	mg/L	0.835659	0.0238792	mg/L	2.86%
Li 670.781	724.4	0.992314	0.2099538	µg/L	0.992314	0.2099538	µg/L	21.16%
Mg 279.074	3141.4	2.36857	0.086219	mg/L	2.36857	0.086219	mg/L	3.64%
Mn 257.610	26521.5	346.243	0.8991	µg/L	346.243	0.8991	µg/L	0.26%
Mo 202.031	7.9	-2.71809	3.345353	µg/L	-2.71809	3.345353	µg/L	123.08%
Na 589.594	480564.4	31.6219	0.19730	mg/L	31.6219	0.19730	mg/L	0.62%
Ni 231.603	98.4	4.21927	2.188769	µg/L	4.21927	2.188769	µg/L	51.88%
Pb 220.353	158.5	584.483	31.6105	µg/L	584.483	31.6105	µg/L	5.41%
Sb 206.831	21.8	90.8017	20.81904	µg/L	90.8017	20.81904	µg/L	22.93%
Se 196.026	83.8	115.838	85.5614	µg/L	115.838	85.5614	µg/L	73.86%
Si 251.611	28521.1	5702.33	54.711	µg/L	5702.33	54.711	µg/L	0.96%
Sn 189.933	-5.4	-37.0090	33.50342	µg/L	-37.0090	33.50342	µg/L	90.53%
Sr 407.771	91149.5	62.3588	0.34640	µg/L	62.3588	0.34640	µg/L	0.56%
Ti 334.941	7213.8	56.0829	0.60372	µg/L	56.0829	0.60372	µg/L	1.08%
Tl 190.800	18.9	4.98698	16.934098	µg/L	4.98698	16.934098	µg/L	339.57%
V 292.402	-159.0	9.71006	2.395247	µg/L	9.71006	2.395247	µg/L	24.67%
Zn 206.200	781.7	344.134	0.1514	µg/L	344.134	0.1514	µg/L	0.04%

Replicate Data

ID: 1002144-11 Date: 2/18/10 9:24:04 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	443078.8	443078.8	101.5	µg/L		
1	Y 360.064	274866.3	274866.3	102.0	µg/L		
1	Ag 328.068	-104.7	-103.1	-0.898987	µg/L	-0.898987	µg/L
1	Al 396.140	8736.9	8607.5	1090.30	µg/L	1090.30	µg/L
1	As 188.979	10.7	10.5	11.6993	µg/L	11.6993	µg/L
1	B 249.773	910.3	896.8	68.7476	µg/L	68.7476	µg/L
1	Ba 455.403	23307.4	22962.0	21.3545	µg/L	21.3545	µg/L
1	Be 234.861	123.3	121.5	0.0962335	µg/L	0.0962335	µg/L
1	Ca 315.887	98228.3	96772.7	9.10918	mg/L	9.10918	mg/L
1	Cd 214.438	61.9	61.0	2.10068	µg/L	2.10068	µg/L
1	Ce 413.765	111.7	110.1	1.55618	µg/L	0.0015562	mg/L

1	Co 228.616	-22.7	-22.4	-2.37743 µg/L	-2.37743 µg/L
1	Cr 205.560	56.5	55.7	-3.15394 µg/L	-3.15394 µg/L
1	Cu 327.394	-1.9	-1.9	2.87046 µg/L	2.87046 µg/L
1	Fe 238.204	17155.0	16900.8	1811.98 µg/L	1811.98 µg/L
1	K 766.514	2975.1	2931.1	0.245644 mg/L	0.245644 mg/L
1	Li 670.781	446.3	439.7	-0.823505 µg/L	-0.823505 µg/L
1	Mg 279.074	1285.1	1266.0	0.953204 mg/L	0.953204 mg/L
1	Mn 257.610	1354.2	1334.2	17.5306 µg/L	17.5306 µg/L
1	Mo 202.031	4.7	4.6	-7.73243 µg/L	-7.73243 µg/L
1	Na 589.594	48925.7	48200.7	2.98299 mg/L	2.98299 mg/L
1	Ni 231.603	84.1	82.8	-4.92718 µg/L	-4.92718 µg/L
1	Pb 220.353	-12.7	-12.5	-15.8540 µg/L	-15.8540 µg/L
1	Sb 206.831	1.5	1.5	-9.63103 µg/L	-9.63103 µg/L
1	Se 196.026	75.8	74.7	48.2766 µg/L	48.2766 µg/L
1	Si 251.611	17319.2	17062.6	3311.60 µg/L	3311.60 µg/L
1	Sn 189.933	-4.7	-4.6	-29.6908 µg/L	-29.6908 µg/L
1	Sr 407.771	20454.9	20151.8	11.5536 µg/L	11.5536 µg/L
1	Ti 334.941	3586.4	3533.2	17.0778 µg/L	17.0778 µg/L
1	Tl 190.800	12.4	12.2	-34.8719 µg/L	-34.8719 µg/L
1	V 292.402	-214.1	-210.9	6.37382 µg/L	6.37382 µg/L
1	Zn 206.200	12.9	12.7	4.03837 µg/L	4.03837 µg/L
2	Sc 357.253	437142.8	437142.8	100.1 µg/L	
2	Y 360.064	271007.1	271007.1	100.5 µg/L	
2	Ag 328.068	-45.7	-45.6	1.34107 µg/L	1.34107 µg/L
2	Al 396.140	8678.1	8665.6	1097.78 µg/L	1097.78 µg/L
2	As 188.979	10.6	10.5	11.6596 µg/L	11.6596 µg/L
2	B 249.773	910.2	908.9	69.9431 µg/L	69.9431 µg/L
2	Ba 455.403	23296.9	23263.4	21.8361 µg/L	21.8361 µg/L
2	Be 234.861	129.0	128.8	0.179983 µg/L	0.179983 µg/L
2	Ca 315.887	98175.5	98034.0	9.22809 mg/L	9.22809 mg/L
2	Cd 214.438	45.8	45.8	-0.131262 µg/L	-0.131262 µg/L
2	Ce 413.765	48.5	48.4	-7.70778 µg/L	-0.0077078 mg/L
2	Co 228.616	-13.7	-13.6	0.236768 µg/L	0.236768 µg/L
2	Cr 205.560	64.1	64.0	4.23173 µg/L	4.23173 µg/L
2	Cu 327.394	43.6	43.6	6.03201 µg/L	6.03201 µg/L
2	Fe 238.204	17183.5	17158.8	1839.79 µg/L	1839.79 µg/L
2	K 766.514	3155.0	3150.4	0.311919 mg/L	0.311919 mg/L
2	Li 670.781	457.3	456.6	-0.715215 µg/L	-0.715215 µg/L
2	Mg 279.074	1283.1	1281.3	0.964723 mg/L	0.964723 mg/L
2	Mn 257.610	1364.0	1362.1	17.8950 µg/L	17.8950 µg/L
2	Mo 202.031	8.0	8.0	-2.60722 µg/L	-2.60722 µg/L
2	Na 589.594	49106.1	49035.3	3.03828 mg/L	3.03828 mg/L
2	Ni 231.603	80.8	80.7	-6.17508 µg/L	-6.17508 µg/L
2	Pb 220.353	-2.5	-2.5	19.1395 µg/L	19.1395 µg/L
2	Sb 206.831	7.1	7.1	18.1461 µg/L	18.1461 µg/L
2	Se 196.026	79.8	79.6	84.9212 µg/L	84.9212 µg/L
2	Si 251.611	17454.1	17428.9	3388.03 µg/L	3388.03 µg/L
2	Sn 189.933	-2.6	-2.6	-10.8214 µg/L	-10.8214 µg/L
2	Sr 407.771	20408.0	20378.6	11.7159 µg/L	11.7159 µg/L
2	Ti 334.941	3694.0	3688.7	18.7252 µg/L	18.7252 µg/L
2	Tl 190.800	20.3	20.2	12.8104 µg/L	12.8104 µg/L
2	V 292.402	-231.0	-230.6	5.10823 µg/L	5.10823 µg/L
2	Zn 206.200	21.6	21.6	7.97080 µg/L	7.97080 µg/L

Mean Data

ID: 1002144-11 Seq. No.: 29 Sample No.: 12 A/S Pos: 28
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 9:24:04 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	440110.8	100.8	0.96	µg/L				0.95%
Y 360.064	272936.7	101.2	1.01	µg/L				1.00%
Ag 328.068	-74.4	0.221043	1.5839619	µg/L	0.221043	1.5839619	µg/L	716.58%
Al 396.140	8636.5	1094.04	5.291	µg/L	1094.04	5.291	µg/L	0.48%
As 188.979	10.5	11.6795	0.02813	µg/L	11.6795	0.02813	µg/L	0.24%
B 249.773	902.9	69.3453	0.84534	µg/L	69.3453	0.84534	µg/L	1.22%
Ba 455.403	23112.7	21.5953	0.34054	µg/L	21.5953	0.34054	µg/L	1.58%
Be 234.861	125.1	0.138108	0.0592196	µg/L	0.138108	0.0592196	µg/L	42.88%
Ca 315.887	97403.4	9.16863	0.084082	mg/L	9.16863	0.084082	mg/L	0.92%
Cd 214.438	53.4	0.984710	1.5782233	µg/L	0.984710	1.5782233	µg/L	160.27%

Ce 413.765	79.3	-3.07580	6.550607 µg/L	-0.0030758	0.00655061 mg/L	212.97%
Co 228.616	-18.0	-1.07033	1.848517 µg/L	-1.07033	1.848517 µg/L	172.71%
Cr 205.560	59.8	0.538894	5.2224605 µg/L	0.538894	5.2224605 µg/L	969.11%
Cu 327.394	20.8	4.45123	2.235558 µg/L	4.45123	2.235558 µg/L	50.22%
Fe 238.204	17029.8	1825.88	19.665 µg/L	1825.88	19.665 µg/L	1.08%
K 766.514	3040.7	0.278782	0.0468638 mg/L	0.278782	0.0468638 mg/L	16.81%
Li 670.781	448.2	-0.769360	0.0765727 µg/L	-0.769360	0.0765727 µg/L	9.95%
Mg 279.074	1273.7	0.958964	0.0081453 mg/L	0.958964	0.0081453 mg/L	0.85%
Mn 257.610	1348.1	17.7128	0.25766 µg/L	17.7128	0.25766 µg/L	1.45%
Mo 202.031	6.3	-5.16983	3.624066 µg/L	-5.16983	3.624066 µg/L	70.10%
Na 589.594	48618.0	3.01063	0.039090 mg/L	3.01063	0.039090 mg/L	1.30%
Ni 231.603	81.8	-5.55113	0.882400 µg/L	-5.55113	0.882400 µg/L	15.90%
Pb 220.353	-7.5	1.64275	24.744133 µg/L	1.64275	24.744133 µg/L	>999.9%
Sb 206.831	4.3	4.25756	19.641422 µg/L	4.25756	19.641422 µg/L	461.33%
Se 196.026	77.2	66.5989	25.91161 µg/L	66.5989	25.91161 µg/L	38.91%
Si 251.611	17245.7	3349.82	54.044 µg/L	3349.82	54.044 µg/L	1.61%
Sn 189.933	-3.6	-20.2561	13.34267 µg/L	-20.2561	13.34267 µg/L	65.87%
Sr 407.771	20265.2	11.6347	0.11476 µg/L	11.6347	0.11476 µg/L	0.99%
Ti 334.941	3611.0	17.9015	1.16488 µg/L	17.9015	1.16488 µg/L	6.51%
Tl 190.800	16.2	-11.0307	33.71649 µg/L	-11.0307	33.71649 µg/L	305.66%
V 292.402	-220.8	5.74102	0.894912 µg/L	5.74102	0.894912 µg/L	15.59%
Zn 206.200	17.1	6.00459	2.780650 µg/L	6.00459	2.780650 µg/L	46.31%

Replicate Data

ID: 1002144-12 Date: 2/18/10 9:27:29 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	437596.4	437596.4	100.2	µg/L		
1	Y 360.064	271457.5	271457.5	100.7	µg/L		
1	Ag 328.068	-91.6	-91.4	-0.440367	µg/L	-0.440367	µg/L
1	Al 396.140	394.3	393.3	33.6402	µg/L	33.6402	µg/L
1	As 188.979	-2.3	-2.3	-60.6648	µg/L	-60.6648	µg/L
1	B 249.773	255.6	255.0	5.26761	µg/L	5.26761	µg/L
1	Ba 455.403	10828.1	10801.3	1.91910	µg/L	1.91910	µg/L
1	Be 234.861	118.2	117.9	0.0563795	µg/L	0.0563795	µg/L
1	Ca 315.887	86036.4	85823.4	8.07692	mg/L	8.07692	mg/L
1	Cd 214.438	44.1	43.9	-0.401372	µg/L	-0.401372	µg/L
1	Ce 413.765	-11.5	-11.5	-16.7097	µg/L	-0.0167097	mg/L
1	Co 228.616	-15.0	-14.9	-0.153095	µg/L	-0.153095	µg/L
1	Cr 205.560	60.0	59.8	0.508341	µg/L	0.508341	µg/L
1	Cu 327.394	19.3	19.2	4.33765	µg/L	4.33765	µg/L
1	Fe 238.204	227.4	226.9	14.4661	µg/L	14.4661	µg/L
1	K 766.514	3739.0	3729.7	0.486615	mg/L	0.486615	mg/L
1	Li 670.781	271.3	270.7	-1.90140	µg/L	-1.90140	µg/L
1	Mg 279.074	2442.8	2436.7	1.83835	mg/L	1.83835	mg/L
1	Mn 257.610	-155.1	-154.7	-1.90052	µg/L	-1.90052	µg/L
1	Mo 202.031	2.2	2.2	-11.3697	µg/L	-11.3697	µg/L
1	Na 589.594	23494.6	23436.4	1.34273	mg/L	1.34273	mg/L
1	Ni 231.603	95.0	94.8	2.08560	µg/L	2.08560	µg/L
1	Pb 220.353	-7.6	-7.6	1.28049	µg/L	1.28049	µg/L
1	Sb 206.831	-5.7	-5.7	-45.3457	µg/L	-45.3457	µg/L
1	Se 196.026	83.3	83.1	110.145	µg/L	110.145	µg/L
1	Si 251.611	9085.9	9063.4	1642.63	µg/L	1642.63	µg/L
1	Sn 189.933	-3.9	-3.9	-23.3253	µg/L	-23.3253	µg/L
1	Sr 407.771	32390.3	32310.1	20.2540	µg/L	20.2540	µg/L
1	Ti 334.941	1742.6	1738.3	-1.94368	µg/L	-1.94368	µg/L
1	Tl 190.800	16.7	16.7	-8.04862	µg/L	-8.04862	µg/L
1	V 292.402	-331.0	-330.2	-1.28472	µg/L	-1.28472	µg/L
1	Zn 206.200	12.4	12.4	3.91035	µg/L	3.91035	µg/L
2	Sc 357.253	431820.6	431820.6	98.9	µg/L		
2	Y 360.064	267593.3	267593.3	99.3	µg/L		
2	Ag 328.068	15.0	15.1	3.70580	µg/L	3.70580	µg/L
2	Al 396.140	343.8	347.6	27.7523	µg/L	27.7523	µg/L
2	As 188.979	-2.1	-2.1	-59.6959	µg/L	-59.6959	µg/L
2	B 249.773	250.8	253.5	5.12268	µg/L	5.12268	µg/L
2	Ba 455.403	10975.4	11094.7	2.38794	µg/L	2.38794	µg/L
2	Be 234.861	86.8	87.7	-0.286926	µg/L	-0.286926	µg/L
2	Ca 315.887	86136.3	87072.3	8.19466	mg/L	8.19466	mg/L
2	Cd 214.438	52.1	52.7	0.878061	µg/L	0.878061	µg/L

2 Ce 413.765	13.5	13.6	-12.9376 µg/L	-0.0129376 mg/L	
2 Co 228.616	-2.6	-2.6	3.54177 µg/L	3.54177 µg/L	
2 Cr 205.560	61.4	62.1	2.53076 µg/L	2.53076 µg/L	
2 Cu 327.394	-47.0	-47.5	-0.295593 µg/L	-0.295593 µg/L	
2 Fe 238.204	232.7	235.2	15.3640 µg/L	15.3640 µg/L	
2 K 766.514	3630.8	3670.3	0.468653 mg/L	0.468653 mg/L	
2 Li 670.781	316.7	320.1	-1.58583 µg/L	-1.58583 µg/L	
2 Mg 279.074	2481.2	2508.2	1.89231 mg/L	1.89231 mg/L	
2 Mn 257.610	-153.5	-155.1	-1.90561 µg/L	-1.90561 µg/L	
2 Mo 202.031	0.8	0.8	-13.4312 µg/L	-13.4312 µg/L	
2 Na 589.594	23430.1	23684.7	1.35917 mg/L	1.35917 mg/L	
2 Ni 231.603	94.0	95.0	2.22314 µg/L	2.22314 µg/L	
2 Pb 220.353	-13.2	-13.3	-18.7025 µg/L	-18.7025 µg/L	
2 Sb 206.831	2.5	2.6	-4.33885 µg/L	-4.33885 µg/L	
2 Se 196.026	63.9	64.6	-26.3304 µg/L	-26.3304 µg/L	
2 Si 251.611	9055.7	9154.1	1661.56 µg/L	1661.56 µg/L	
2 Sn 189.933	-1.3	-1.3	0.627675 µg/L	0.627675 µg/L	
2 Sr 407.771	32341.3	32692.8	20.5278 µg/L	20.5278 µg/L	
2 Ti 334.941	1707.4	1725.9	-2.07522 µg/L	-2.07522 µg/L	
2 Tl 190.800	18.4	18.6	3.09464 µg/L	3.09464 µg/L	
2 V 292.402	-331.3	-334.9	-1.58955 µg/L	-1.58955 µg/L	
2 Zn 206.200	7.8	7.9	1.92959 µg/L	1.92959 µg/L	

Mean Data

ID: 1002144-12 Seq. No.: 30 Sample No.: 13 A/S Pos: 29
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 9:27:29 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	434708.5	99.6	0.94	µg/L				0.94%
Y 360.064	269525.4	100.0	1.01	µg/L				1.01%
Ag 328.068	-38.1	1.63272	2.931782	µg/L	1.63272	2.931782	µg/L	179.56%
Al 396.140	370.4	30.6962	4.16334	µg/L	30.6962	4.16334	µg/L	13.56%
As 188.979	-2.2	-60.1804	0.68511	µg/L	-60.1804	0.68511	µg/L	1.14%
B 249.773	254.2	5.19515	0.102480	µg/L	5.19515	0.102480	µg/L	1.97%
Ba 455.403	10948.0	2.15352	0.331520	µg/L	2.15352	0.331520	µg/L	15.39%
Be 234.861	102.8	-0.115273	0.2427535	µg/L	-0.115273	0.2427535	µg/L	210.59%
Ca 315.887	86447.8	8.13579	0.083252	mg/L	8.13579	0.083252	mg/L	1.02%
Cd 214.438	48.3	0.238344	0.9046952	µg/L	0.238344	0.9046952	µg/L	379.57%
Ce 413.765	1.0	-14.8236	2.66730	µg/L	-0.0148236	0.00266730	mg/L	17.99%
Co 228.616	-8.8	1.69434	2.612661	µg/L	1.69434	2.612661	µg/L	154.20%
Cr 205.560	60.9	1.51955	1.430065	µg/L	1.51955	1.430065	µg/L	94.11%
Cu 327.394	-14.1	2.02103	3.276198	µg/L	2.02103	3.276198	µg/L	162.11%
Fe 238.204	231.0	14.9151	0.63490	µg/L	14.9151	0.63490	µg/L	4.26%
K 766.514	3700.0	0.477634	0.0127009	mg/L	0.477634	0.0127009	mg/L	2.66%
Li 670.781	295.4	-1.74361	0.223142	µg/L	-1.74361	0.223142	µg/L	12.80%
Mg 279.074	2472.5	1.86533	0.038157	mg/L	1.86533	0.038157	mg/L	2.05%
Mn 257.610	-154.9	-1.90306	0.003600	µg/L	-1.90306	0.003600	µg/L	0.19%
Mo 202.031	1.5	-12.4004	1.45771	µg/L	-12.4004	1.45771	µg/L	11.76%
Na 589.594	23560.5	1.35095	0.011627	mg/L	1.35095	0.011627	mg/L	0.86%
Ni 231.603	94.9	2.15437	0.097251	µg/L	2.15437	0.097251	µg/L	4.51%
Pb 220.353	-10.5	-8.71101	14.130117	µg/L	-8.71101	14.130117	µg/L	162.21%
Sb 206.831	-1.6	-24.8423	28.99622	µg/L	-24.8423	28.99622	µg/L	116.72%
Se 196.026	73.8	41.9075	96.50295	µg/L	41.9075	96.50295	µg/L	230.28%
Si 251.611	9108.8	1652.10	13.386	µg/L	1652.10	13.386	µg/L	0.81%
Sn 189.933	-2.6	-11.3488	16.93732	µg/L	-11.3488	16.93732	µg/L	149.24%
Sr 407.771	32501.5	20.3909	0.19360	µg/L	20.3909	0.19360	µg/L	0.95%
Ti 334.941	1732.1	-2.00945	0.093013	µg/L	-2.00945	0.093013	µg/L	4.63%
Tl 190.800	17.6	-2.47699	7.879471	µg/L	-2.47699	7.879471	µg/L	318.11%
V 292.402	-332.5	-1.43714	0.215546	µg/L	-1.43714	0.215546	µg/L	15.00%
Zn 206.200	10.1	2.91997	1.400611	µg/L	2.91997	1.400611	µg/L	47.97%

Replicate Data

ID: 1002144-13 Date: 2/18/10 9:30:55 AM

Repl# Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1 Sc 357.253	439401.1	439401.1	100.7	µg/L		
1 Y 360.064	272586.9	272586.9	101.1	µg/L		
1 Ag 328.068	-68.9	-68.4	0.453175	µg/L	0.453175	µg/L

1	Al 396.140	-75.8	-75.3	-26.6463 µg/L		-26.6463 µg/L
1	As 188.979	-1.8	-1.8	-57.8014 µg/L		-57.8014 µg/L
1	B 249.773	235.6	234.1	3.19927 µg/L		3.19927 µg/L
1	Ba 455.403	121610.3	120811.0	177.738 µg/L		177.738 µg/L
1	Be 234.861	106.5	105.8	-0.0820751 µg/L		-0.0820751 µg/L
1	Ca 315.887	28753.0	28564.0	2.67873 mg/L		2.67873 mg/L
1	Cd 214.438	41.5	41.2	-0.805562 µg/L		-0.805562 µg/L
1	Ce 413.765	-6.0	-5.9	-15.8732 µg/L		-0.0158732 mg/L
1	Co 228.616	-13.3	-13.2	0.365360 µg/L		0.365360 µg/L
1	Cr 205.560	59.3	59.0	-0.249956 µg/L		-0.249956 µg/L
1	Cu 327.394	28.3	28.2	4.96009 µg/L		4.96009 µg/L
1	Fe 238.204	148.2	147.2	5.87713 µg/L		5.87713 µg/L
1	K 766.514	2729.8	2711.9	0.178747 mg/L		0.178747 mg/L
1	Li 670.781	694.2	689.7	0.771016 µg/L		0.771016 µg/L
1	Mg 279.074	943.6	937.4	0.705085 mg/L		0.705085 mg/L
1	Mn 257.610	-169.6	-168.5	-2.08044 µg/L		-2.08044 µg/L
1	Mo 202.031	9.0	9.0	-1.15329 µg/L		-1.15329 µg/L
1	Na 589.594	15340.6	15239.8	0.799825 mg/L		0.799825 mg/L
1	Ni 231.603	68.3	67.8	-13.7438 µg/L		-13.7438 µg/L
1	Pb 220.353	-9.7	-9.6	-5.67399 µg/L		-5.67399 µg/L
1	Sb 206.831	4.0	3.9	2.39903 µg/L		2.39903 µg/L
1	Se 196.026	84.4	83.9	116.321 µg/L		116.321 µg/L
1	Si 251.611	6727.1	6682.9	1145.96 µg/L		1145.96 µg/L
1	Sn 189.933	-1.2	-1.2	1.50111 µg/L		1.50111 µg/L
1	Sr 407.771	47432.3	47120.6	30.8522 µg/L		30.8522 µg/L
1	Ti 334.941	1738.8	1727.3	-2.06029 µg/L		-2.06029 µg/L
1	Tl 190.800	15.9	15.8	-13.6424 µg/L		-13.6424 µg/L
1	V 292.402	-283.7	-281.9	1.81773 µg/L		1.81773 µg/L
1	Zn 206.200	-0.9	-0.9	-1.95913 µg/L		-1.95913 µg/L
2	Sc 357.253	436360.4	436360.4	100.0 µg/L		
2	Y 360.064	270664.8	270664.8	100.4 µg/L		
2	Ag 328.068	-61.3	-61.4	0.727561 µg/L		0.727561 µg/L
2	Al 396.140	-73.1	-73.2	-26.3705 µg/L		-26.3705 µg/L
2	As 188.979	7.6	7.6	-4.65340 µg/L		-4.65340 µg/L
2	B 249.773	226.9	227.0	2.50336 µg/L		2.50336 µg/L
2	Ba 455.403	122981.4	123024.4	181.275 µg/L		181.275 µg/L
2	Be 234.861	102.7	102.7	-0.116637 µg/L		-0.116637 µg/L
2	Ca 315.887	28891.9	28902.0	2.71060 mg/L		2.71060 mg/L
2	Cd 214.438	42.8	42.8	-0.566823 µg/L		-0.566823 µg/L
2	Ce 413.765	-35.1	-35.1	-20.2484 µg/L		-0.0202484 mg/L
2	Co 228.616	-5.4	-5.4	2.71263 µg/L		2.71263 µg/L
2	Cr 205.560	59.2	59.2	-0.0175877 µg/L		-0.0175877 µg/L
2	Cu 327.394	-14.7	-14.7	1.98004 µg/L		1.98004 µg/L
2	Fe 238.204	121.2	121.2	3.08032 µg/L		3.08032 µg/L
2	K 766.514	2712.0	2712.9	0.179069 mg/L		0.179069 mg/L
2	Li 670.781	634.9	635.1	0.422758 µg/L		0.422758 µg/L
2	Mg 279.074	958.9	959.2	0.721574 mg/L		0.721574 mg/L
2	Mn 257.610	-170.0	-170.1	-2.10056 µg/L		-2.10056 µg/L
2	Mo 202.031	9.8	9.8	0.120302 µg/L		0.120302 µg/L
2	Na 589.594	15601.9	15607.4	0.824172 mg/L		0.824172 mg/L
2	Ni 231.603	84.3	84.4	-4.03363 µg/L		-4.03363 µg/L
2	Pb 220.353	-11.5	-11.5	-12.4991 µg/L		-12.4991 µg/L
2	Sb 206.831	-6.0	-6.0	-46.7071 µg/L		-46.7071 µg/L
2	Se 196.026	75.7	75.7	55.9630 µg/L		55.9630 µg/L
2	Si 251.611	6789.2	6791.5	1168.63 µg/L		1168.63 µg/L
2	Sn 189.933	-0.3	-0.3	9.47466 µg/L		9.47466 µg/L
2	Sr 407.771	47907.6	47924.4	31.4274 µg/L		31.4274 µg/L
2	Ti 334.941	1696.8	1697.4	-2.37791 µg/L		-2.37791 µg/L
2	Tl 190.800	11.6	11.6	-38.3326 µg/L		-38.3326 µg/L
2	V 292.402	-382.6	-382.7	-4.65999 µg/L	J	-4.65999 µg/L
2	Zn 206.200	1.5	1.5	-0.902481 µg/L		-0.902481 µg/L

Mean Data

ID: 1002144-13 Seq. No.: 31 Sample No.: 14 A/S Pos: 30
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 9:30:55 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	437880.7	100.3	0.49	µg/L				0.49%
Y 360.064	271625.9	100.8	0.50	µg/L				0.50%

Ag 328.068	-64.9	0.590368	0.1940202 µg/L	0.590368	0.1940202 µg/L	32.86%
Al 396.140	-74.2	-26.5084	0.19498 µg/L	-26.5084	0.19498 µg/L	0.74%
As 188.979	2.9	-31.2274	37.58128 µg/L	-31.2274	37.58128 µg/L	120.35%
B 249.773	230.5	2.85131	0.492082 µg/L	2.85131	0.492082 µg/L	17.26%
Ba 455.403	121917.7	179.506	2.5014 µg/L	179.506	2.5014 µg/L	1.39%
Be 234.861	104.2	-0.0993560	0.02443886 µg/L	-0.0993560	0.02443886 µg/L	24.60%
Ca 315.887	28733.0	2.69466	0.022535 mg/L	2.69466	0.022535 mg/L	0.84%
Cd 214.438	42.0	-0.686193	0.1688136 µg/L	-0.686193	0.1688136 µg/L	24.60%
Ce 413.765	-20.5	-18.0608	3.09375 µg/L	-0.0180608	0.00309375 mg/L	17.13%
Co 228.616	-9.3	1.53899	1.659768 µg/L	1.53899	1.659768 µg/L	107.85%
Cr 205.560	59.1	-0.133772	0.1643093 µg/L	-0.133772	0.1643093 µg/L	122.83%
Cu 327.394	6.7	3.47006	2.107214 µg/L	3.47006	2.107214 µg/L	60.73%
Fe 238.204	134.2	4.47872	1.977650 µg/L	4.47872	1.977650 µg/L	44.16%
K 766.514	2712.4	0.178908	0.0002278 mg/L	0.178908	0.0002278 mg/L	0.13%
Li 670.781	662.4	0.596887	0.2462555 µg/L	0.596887	0.2462555 µg/L	41.26%
Mg 279.074	948.3	0.713330	0.0116595 mg/L	0.713330	0.0116595 mg/L	1.63%
Mn 257.610	-169.3	-2.09050	0.014231 µg/L	-2.09050	0.014231 µg/L	0.68%
Mo 202.031	9.4	-0.516494	0.9005661 µg/L	-0.516494	0.9005661 µg/L	174.36%
Na 589.594	15423.6	0.811999	0.0172156 mg/L	0.811999	0.0172156 mg/L	2.12%
Ni 231.603	76.1	-8.88873	6.866146 µg/L	-8.88873	6.866146 µg/L	77.25%
Pb 220.353	-10.6	-9.08656	4.826098 µg/L	-9.08656	4.826098 µg/L	53.11%
Sb 206.831	-1.0	-22.1540	34.72330 µg/L	-22.1540	34.72330 µg/L	156.74%
Se 196.026	79.8	86.1423	42.67984 µg/L	86.1423	42.67984 µg/L	49.55%
Si 251.611	6737.2	1157.29	16.029 µg/L	1157.29	16.029 µg/L	1.39%
Sn 189.933	-0.8	5.48788	5.638156 µg/L	5.48788	5.638156 µg/L	102.74%
Sr 407.771	47522.5	31.1398	0.40672 µg/L	31.1398	0.40672 µg/L	1.31%
Ti 334.941	1712.3	-2.21910	0.224590 µg/L	-2.21910	0.224590 µg/L	10.12%
Tl 190.800	13.7	-25.9875	17.45862 µg/L	-25.9875	17.45862 µg/L	67.18%
V 292.402	-332.3	-1.42113	4.580437 µg/L	-1.42113	4.580437 µg/L	322.31%
Zn 206.200	0.3	-1.43081	0.747166 µg/L	-1.43081	0.747166 µg/L	52.22%

Replicate Data

ID: 1002144-15 Date: 2/18/10 9:34:22 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units		Sample Conc.	Units
1	Sc 357.253	433522.4	433522.4	99.3	µg/L			
1	Y 360.064	268352.3	268352.3	99.5	µg/L			
1	Ag 328.068	-82.2	-82.8	-0.107680	µg/L		-0.107680	µg/L
1	Al 396.140	1380.5	1390.0	161.857	µg/L		161.857	µg/L
1	As 188.979	-2.0	-2.0	-59.0799	µg/L		-59.0799	µg/L
1	B 249.773	188.8	190.1	-1.14766	µg/L		-1.14766	µg/L
1	Ba 455.403	12763.3	12851.4	5.19558	µg/L		5.19558	µg/L
1	Be 234.861	102.1	102.8	-0.115863	µg/L		-0.115863	µg/L
1	Ca 315.887	121564.6	122403.2	11.5255	mg/L		11.5255	mg/L
1	Cd 214.438	39.9	40.2	-0.950466	µg/L		-0.950466	µg/L
1	Ce 413.765	-13.6	-13.7	-17.0389	µg/L		-0.0170389	mg/L
1	Co 228.616	-15.3	-15.4	-0.286831	µg/L		-0.286831	µg/L
1	Cr 205.560	63.4	63.8	4.07689	µg/L		4.07689	µg/L
1	Cu 327.394	-51.0	-51.3	-0.563809	µg/L		-0.563809	µg/L
1	Fe 238.204	126.0	126.9	3.68774	µg/L		3.68774	µg/L
1	K 766.514	3544.5	3569.0	0.438217	mg/L		0.438217	mg/L
1	Li 670.781	222.0	223.6	-2.20179	µg/L		-2.20179	µg/L
1	Mg 279.074	3451.5	3475.3	2.62305	mg/L		2.62305	mg/L
1	Mn 257.610	-35.2	-35.4	-0.343101	µg/L		-0.343101	µg/L
1	Mo 202.031	17.0	17.2	11.1750	µg/L		11.1750	µg/L
1	Na 589.594	25967.1	26146.2	1.52276	mg/L		1.52276	mg/L
1	Ni 231.603	75.3	75.9	-9.02495	µg/L		-9.02495	µg/L
1	Pb 220.353	-7.1	-7.2	2.83289	µg/L		2.83289	µg/L
1	Sb 206.831	3.2	3.2	-1.07395	µg/L		-1.07395	µg/L
1	Se 196.026	81.5	82.1	102.858	µg/L		102.858	µg/L
1	Si 251.611	6712.4	6758.7	1161.77	µg/L	W	1161.77	µg/L
1	Sn 189.933	-6.2	-6.3	-44.6737	µg/L		-44.6737	µg/L
1	Sr 407.771	50960.6	51312.1	33.8516	µg/L		33.8516	µg/L
1	Ti 334.941	1797.2	1809.6	-1.18828	µg/L		-1.18828	µg/L
1	Tl 190.800	17.4	17.5	-3.11574	µg/L		-3.11574	µg/L
1	V 292.402	-332.4	-334.7	-1.57388	µg/L		-1.57388	µg/L
1	Zn 206.200	2.9	2.9	-0.278446	µg/L		-0.278446	µg/L
2	Sc 357.253	428730.0	428730.0	98.2	µg/L			
2	Y 360.064	265295.9	265295.9	98.4	µg/L			

2 Ag 328.068	-84.1	-85.6	-0.216237 µg/L	-0.216237 µg/L	
2 Al 396.140	1235.4	1257.8	144.851 µg/L	144.851 µg/L	
2 As 188.979	1.2	1.2	-40.7670 µg/L	-40.7670 µg/L	
2 B 249.773	203.1	206.8	0.500505 µg/L	0.500505 µg/L	
2 Ba 455.403	12896.3	13130.5	5.64159 µg/L	5.64159 µg/L	
2 Be 234.861	92.3	94.0	-0.215804 µg/L	-0.215804 µg/L	
2 Ca 315.887	122746.0	124974.3	11.7679 mg/L	11.7679 mg/L	
2 Cd 214.438	41.2	42.0	-0.691712 µg/L	-0.691712 µg/L	
2 Ce 413.765	27.2	27.6	-10.8280 µg/L	-0.0108280 mg/L	
2 Co 228.616	-29.6	-30.1	-4.69380 µg/L	-4.69380 µg/L	
2 Cr 205.560	54.1	55.1	-3.68037 µg/L	-3.68037 µg/L	
2 Cu 327.394	-138.0	-140.5	-6.76126 µg/L	-6.76126 µg/L	
2 Fe 238.204	119.7	121.9	3.14944 µg/L	3.14944 µg/L	
2 K 766.514	3633.7	3699.7	0.477716 mg/L	0.477716 mg/L	
2 Li 670.781	505.0	514.1	-0.348550 µg/L	-0.348550 µg/L	
2 Mg 279.074	3414.6	3476.6	2.62405 mg/L	2.62405 mg/L	
2 Mn 257.610	-41.7	-42.5	-0.435165 µg/L	-0.435165 µg/L	
2 Mo 202.031	1.4	1.4	-12.5985 µg/L	-12.5985 µg/L	
2 Na 589.594	26031.8	26504.3	1.54649 mg/L	1.54649 mg/L	
2 Ni 231.603	77.3	78.7	-7.34158 µg/L	-7.34158 µg/L	
2 Pb 220.353	-3.6	-3.7	15.1798 µg/L	15.1798 µg/L	
2 Sb 206.831	1.8	1.8	-8.02716 µg/L	-8.02716 µg/L	
2 Se 196.026	73.5	74.8	48.9895 µg/L	48.9895 µg/L	
2 Si 251.611	6736.2	6858.4	1182.58 µg/L	1182.58 µg/L	
2 Sn 189.933	-0.8	-0.9	4.63123 µg/L	4.63123 µg/L	
2 Sr 407.771	51381.6	52314.4	34.5688 µg/L	34.5688 µg/L	
2 Ti 334.941	1741.2	1772.8	-1.57797 µg/L	-1.57797 µg/L	
2 Tl 190.800	20.1	20.5	14.4256 µg/L	14.4256 µg/L	
2 V 292.402	-264.4	-269.2	2.63100 µg/L	2.63100 µg/L	
2 Zn 206.200	-2.0	-2.0	-2.46188 µg/L	-2.46188 µg/L	

Mean Data ----------

ID: 1002144-15 Seq. No.: 32 Sample No.: 15 A/S Pos: 31
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 9:34:22 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	431126.2	98.8	0.78	µg/L				0.79%
Y 360.064	266824.1	99.0	0.80	µg/L				0.81%
Ag 328.068	-84.2	-0.161959	0.0767609	µg/L	-0.161959	0.0767609	µg/L	47.40%
Al 396.140	1323.9	153.354	12.0246	µg/L	153.354	12.0246	µg/L	7.84%
As 188.979	-0.4	-49.9235	12.94915	µg/L	-49.9235	12.94915	µg/L	25.94%
B 249.773	198.4	-0.323579	1.1654298	µg/L	-0.323579	1.1654298	µg/L	360.17%
Ba 455.403	12990.9	5.41859	0.315375	µg/L	5.41859	0.315375	µg/L	5.82%
Be 234.861	98.4	-0.165833	0.0706688	µg/L	-0.165833	0.0706688	µg/L	42.61%
Ca 315.887	123688.8	11.6467	0.17140	mg/L	11.6467	0.17140	mg/L	1.47%
Cd 214.438	41.1	-0.821089	0.1829671	µg/L	-0.821089	0.1829671	µg/L	22.28%
Ce 413.765	7.0	-13.9335	4.39179	µg/L	-0.0139335	0.00439179	mg/L	31.52%
Co 228.616	-22.8	-2.49032	3.116200	µg/L	-2.49032	3.116200	µg/L	125.13%
Cr 205.560	59.5	0.198258	5.4852142	µg/L	0.198258	5.4852142	µg/L	>999.9%
Cu 327.394	-95.9	-3.66254	4.382263	µg/L	-3.66254	4.382263	µg/L	119.65%
Fe 238.204	124.4	3.41859	0.380630	µg/L	3.41859	0.380630	µg/L	11.13%
K 766.514	3634.3	0.457967	0.0279297	mg/L	0.457967	0.0279297	mg/L	6.10%
Li 670.781	368.9	-1.27517	1.310437	µg/L	-1.27517	1.310437	µg/L	102.77%
Mg 279.074	3475.9	2.62355	0.000703	mg/L	2.62355	0.000703	mg/L	0.03%
Mn 257.610	-38.9	-0.389133	0.0650995	µg/L	-0.389133	0.0650995	µg/L	16.73%
Mo 202.031	9.3	-0.711716	16.8103895	µg/L	-0.711716	16.8103895	µg/L	>999.9%
Na 589.594	26325.3	1.53462	0.016780	mg/L	1.53462	0.016780	mg/L	1.09%
Ni 231.603	77.3	-8.18326	1.190323	µg/L	-8.18326	1.190323	µg/L	14.55%
Pb 220.353	-5.4	9.00633	8.730561	µg/L	9.00633	8.730561	µg/L	96.94%
Sb 206.831	2.5	-4.55056	4.916662	µg/L	-4.55056	4.916662	µg/L	108.05%
Se 196.026	78.4	75.9239	38.09101	µg/L	75.9239	38.09101	µg/L	50.17%
Si 251.611	6808.6	1172.18	14.719	µg/L	1172.18	14.719	µg/L	1.26%
Sn 189.933	-3.6	-20.0212	34.86383	µg/L	-20.0212	34.86383	µg/L	174.13%
Sr 407.771	51813.3	34.2102	0.50712	µg/L	34.2102	0.50712	µg/L	1.48%
Ti 334.941	1791.2	-1.38313	0.275551	µg/L	-1.38313	0.275551	µg/L	19.92%
Tl 190.800	19.0	5.65495	12.403624	µg/L	5.65495	12.403624	µg/L	219.34%
V 292.402	-301.9	0.528558	2.9733034	µg/L	0.528558	2.9733034	µg/L	562.53%
Zn 206.200	0.4	-1.37016	1.543920	µg/L	-1.37016	1.543920	µg/L	112.68%

Replicate Data ----------

ID: 1002144-16 Date: 2/18/10 9:37:44 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	441521.0	441521.0	101.1	µg/L		
1	Y 360.064	273689.9	273689.9	101.5	µg/L		
1	Ag 328.068	-117.1	-115.7	-1.39005	µg/L	-1.39005	µg/L
1	Al 396.140	5217.0	5157.9	646.546	µg/L	646.546	µg/L
1	As 188.979	2.2	2.2	-35.3710	µg/L	-35.3710	µg/L
1	B 249.773	256.2	253.3	5.10244	µg/L	5.10244	µg/L
1	Ba 455.403	16477.3	16290.4	10.6919	µg/L	10.6919	µg/L
1	Be 234.861	107.9	106.7	-0.0714134	µg/L	-0.0714134	µg/L
1	Ca 315.887	103059.2	101890.2	9.59163	mg/L	9.59163	mg/L
1	Cd 214.438	57.1	56.5	1.43885	µg/L	1.43885	µg/L
1	Ce 413.765	-29.8	-29.5	-19.4056	µg/L	-0.0194056	mg/L
1	Co 228.616	-25.7	-25.4	-3.27381	µg/L	-3.27381	µg/L
1	Cr 205.560	58.0	57.4	-1.64836	µg/L	-1.64836	µg/L
1	Cu 327.394	-69.0	-68.2	-1.73702	µg/L	-1.73702	µg/L
1	Fe 238.204	5699.3	5634.7	597.449	µg/L	597.449	µg/L
1	K 766.514	3772.1	3729.3	0.486537	mg/L	0.486537	mg/L
1	Li 670.781	498.0	492.4	-0.487446	µg/L	-0.487446	µg/L
1	Mg 279.074	1982.7	1960.2	1.47865	mg/L	1.47865	mg/L
1	Mn 257.610	1257.4	1243.1	16.3424	µg/L	16.3424	µg/L
1	Mo 202.031	5.9	5.8	-5.93722	µg/L	-5.93722	µg/L
1	Na 589.594	42740.2	42255.4	2.58921	mg/L	2.58921	mg/L
1	Ni 231.603	78.3	77.5	-8.09067	µg/L	-8.09067	µg/L
1	Pb 220.353	-15.9	-15.7	-27.0179	µg/L	-27.0179	µg/L
1	Sb 206.831	0.5	0.5	-14.6491	µg/L	-14.6491	µg/L
1	Se 196.026	82.9	82.0	102.141	µg/L	102.141	µg/L
1	Si 251.611	16409.3	16223.1	3136.46	µg/L	3136.46	µg/L
1	Sn 189.933	-1.9	-1.9	-4.50828	µg/L	-4.50828	µg/L
1	Sr 407.771	27091.2	26783.9	16.2995	µg/L	16.2995	µg/L
1	Ti 334.941	3289.5	3252.2	14.0993	µg/L	14.0993	µg/L
1	Tl 190.800	14.2	14.1	-23.5949	µg/L	-23.5949	µg/L
1	V 292.402	-304.7	-301.3	0.572176	µg/L	0.572176	µg/L
1	Zn 206.200	17.7	17.5	6.18770	µg/L	6.18770	µg/L
2	Sc 357.253	440880.3	440880.3	101.0	µg/L		
2	Y 360.064	273383.9	273383.9	101.4	µg/L		
2	Ag 328.068	-64.3	-63.7	0.636104	µg/L	0.636104	µg/L
2	Al 396.140	5143.8	5092.8	638.178	µg/L	638.178	µg/L
2	As 188.979	7.5	7.4	-5.93348	µg/L	-5.93348	µg/L
2	B 249.773	282.1	279.3	7.67293	µg/L	7.67293	µg/L
2	Ba 455.403	16418.5	16255.9	10.6367	µg/L	10.6367	µg/L
2	Be 234.861	103.9	102.9	-0.114551	µg/L	-0.114551	µg/L
2	Ca 315.887	103911.6	102882.2	9.68516	mg/L	9.68516	mg/L
2	Cd 214.438	50.6	50.1	0.496000	µg/L	0.496000	µg/L
2	Ce 413.765	77.3	76.5	-3.48318	µg/L	-0.0034832	mg/L
2	Co 228.616	-11.6	-11.5	0.875801	µg/L	0.875801	µg/L
2	Cr 205.560	66.1	65.4	5.52555	µg/L	5.52555	µg/L
2	Cu 327.394	-40.8	-40.4	0.196416	µg/L	0.196416	µg/L
2	Fe 238.204	5780.4	5723.2	606.987	µg/L	606.987	µg/L
2	K 766.514	3680.7	3644.3	0.460959	mg/L	0.460959	mg/L
2	Li 670.781	541.8	536.4	-0.206255	µg/L	-0.206255	µg/L
2	Mg 279.074	2072.8	2052.3	1.54821	mg/L	1.54821	mg/L
2	Mn 257.610	1265.9	1253.3	16.4759	µg/L	16.4759	µg/L
2	Mo 202.031	11.2	11.0	1.95547	µg/L	1.95547	µg/L
2	Na 589.594	42974.8	42549.1	2.60866	mg/L	2.60866	mg/L
2	Ni 231.603	83.5	82.7	-5.03617	µg/L	-5.03617	µg/L
2	Pb 220.353	-3.3	-3.3	16.4098	µg/L	16.4098	µg/L
2	Sb 206.831	-2.9	-2.9	-31.4177	µg/L	-31.4177	µg/L
2	Se 196.026	77.7	76.9	64.5556	µg/L	64.5556	µg/L
2	Si 251.611	16643.1	16478.3	3189.69	µg/L	3189.69	µg/L
2	Sn 189.933	-1.1	-1.1	2.47698	µg/L	2.47698	µg/L
2	Sr 407.771	27327.3	27056.6	16.4946	µg/L	16.4946	µg/L
2	Ti 334.941	3247.2	3215.1	13.7059	µg/L	13.7059	µg/L
2	Tl 190.800	18.7	18.5	2.60357	µg/L	2.60357	µg/L
2	V 292.402	-230.0	-227.7	5.29639	µg/L	5.29639	µg/L
2	Zn 206.200	13.5	13.3	4.33172	µg/L	4.33172	µg/L

Mean Data

ID: 1002144-16 Seq. No.: 33 Sample No.: 16 A/S Pos: 32
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 9:37:44 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	441200.7	101.1	0.10	µg/L				0.10%
Y 360.064	273536.9	101.5	0.08	µg/L				0.08%
Ag 328.068	-89.7	-0.376972	1.4327066	µg/L	-0.376972	1.4327066	µg/L	380.06%
Al 396.140	5125.3	642.362	5.9173	µg/L	642.362	5.9173	µg/L	0.92%
As 188.979	4.8	-20.6522	20.81548	µg/L	-20.6522	20.81548	µg/L	100.79%
B 249.773	266.3	6.38768	1.817615	µg/L	6.38768	1.817615	µg/L	28.45%
Ba 455.403	16273.2	10.6643	0.03904	µg/L	10.6643	0.03904	µg/L	0.37%
Be 234.861	104.8	-0.0929819	0.03050257	µg/L	-0.0929819	0.03050257	µg/L	32.80%
Ca 315.887	102386.2	9.63840	0.066132	mg/L	9.63840	0.066132	mg/L	0.69%
Cd 214.438	53.3	0.967423	0.6666933	µg/L	0.967423	0.6666933	µg/L	68.91%
Ce 413.765	23.5	-11.4444	11.25886	µg/L	-0.0114444	0.01125886	mg/L	98.38%
Co 228.616	-18.4	-1.19900	2.934217	µg/L	-1.19900	2.934217	µg/L	244.72%
Cr 205.560	61.4	1.93860	5.072723	µg/L	1.93860	5.072723	µg/L	261.67%
Cu 327.394	-54.3	-0.770301	1.3671454	µg/L	-0.770301	1.3671454	µg/L	177.48%
Fe 238.204	5678.9	602.218	6.7445	µg/L	602.218	6.7445	µg/L	1.12%
K 766.514	3686.8	0.473748	0.0180860	mg/L	0.473748	0.0180860	mg/L	3.82%
Li 670.781	514.4	-0.346851	0.1988320	µg/L	-0.346851	0.1988320	µg/L	57.32%
Mg 279.074	2006.2	1.51343	0.049184	mg/L	1.51343	0.049184	mg/L	3.25%
Mn 257.610	1248.2	16.4091	0.09436	µg/L	16.4091	0.09436	µg/L	0.58%
Mo 202.031	8.4	-1.99087	5.580972	µg/L	-1.99087	5.580972	µg/L	280.33%
Na 589.594	42402.3	2.59893	0.013753	mg/L	2.59893	0.013753	mg/L	0.53%
Ni 231.603	80.1	-6.56342	2.159863	µg/L	-6.56342	2.159863	µg/L	32.91%
Pb 220.353	-9.5	-5.30409	30.708034	µg/L	-5.30409	30.708034	µg/L	578.95%
Sb 206.831	-1.2	-23.0334	11.85717	µg/L	-23.0334	11.85717	µg/L	51.48%
Se 196.026	79.4	83.3482	26.57671	µg/L	83.3482	26.57671	µg/L	31.89%
Si 251.611	16350.7	3163.07	37.642	µg/L	3163.07	37.642	µg/L	1.19%
Sn 189.933	-1.5	-1.01565	4.939324	µg/L	-1.01565	4.939324	µg/L	486.32%
Sr 407.771	26920.2	16.3970	0.13798	µg/L	16.3970	0.13798	µg/L	0.84%
Ti 334.941	3233.6	13.9026	0.27821	µg/L	13.9026	0.27821	µg/L	2.00%
Tl 190.800	16.3	-10.4957	18.52511	µg/L	-10.4957	18.52511	µg/L	176.50%
V 292.402	-264.5	2.93429	3.340527	µg/L	2.93429	3.340527	µg/L	113.84%
Zn 206.200	15.4	5.25971	1.312378	µg/L	5.25971	1.312378	µg/L	24.95%

Replicate Data

ID: 1002144-17 Date: 2/18/10 9:41:04 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	437701.4	437701.4	100.3	µg/L		
1	Y 360.064	271177.4	271177.4	100.6	µg/L		
1	Ag 328.068	-94.2	-94.0	-0.542148	µg/L	-0.542148	µg/L
1	Al 396.140	8029.6	8007.8	1013.17	µg/L	1013.17	µg/L
1	As 188.979	3.5	3.5	-28.2073	µg/L	-28.2073	µg/L
1	B 249.773	433.2	432.0	22.7807	µg/L	22.7807	µg/L
1	Ba 455.403	27799.5	27724.1	28.9653	µg/L	28.9653	µg/L
1	Be 234.861	98.7	98.4	-0.165162	µg/L	-0.165162	µg/L
1	Ca 315.887	125767.3	125425.8	11.8105	mg/L	11.8105	mg/L
1	Cd 214.438	52.3	52.1	0.798851	µg/L	0.798851	µg/L
1	Ce 413.765	73.8	73.6	-3.92294	µg/L	-0.0039229	mg/L
1	Co 228.616	-13.9	-13.9	0.166579	µg/L	0.166579	µg/L
1	Cr 205.560	64.6	64.4	4.60874	µg/L	4.60874	µg/L
1	Cu 327.394	14.4	14.4	4.00170	µg/L	4.00170	µg/L
1	Fe 238.204	10054.0	10026.7	1070.92	µg/L	1070.92	µg/L
1	K 766.514	4079.8	4068.7	0.589236	mg/L	0.589236	mg/L
1	Li 670.781	332.8	331.9	-1.51055	µg/L	-1.51055	µg/L
1	Mg 279.074	1357.2	1353.5	1.02006	mg/L	1.02006	mg/L
1	Mn 257.610	4126.8	4115.6	53.8304	µg/L	53.8304	µg/L
1	Mo 202.031	4.5	4.5	-7.89420	µg/L	-7.89420	µg/L
1	Na 589.594	42628.9	42513.1	2.60683	mg/L	2.60683	mg/L
1	Ni 231.603	78.1	77.9	-7.81216	µg/L	-7.81216	µg/L
1	Pb 220.353	-8.7	-8.7	-2.45236	µg/L	-2.45236	µg/L
1	Sb 206.831	2.3	2.3	-5.88991	µg/L	-5.88991	µg/L
1	Se 196.026	73.1	72.9	34.7557	µg/L	34.7557	µg/L
1	Si 251.611	12623.1	12588.8	2378.19	µg/L	2378.19	µg/L
1	Sn 189.933	-4.5	-4.5	-28.2148	µg/L	-28.2148	µg/L

1 Sr 407.771	25241.9	25173.4	15.1470 µg/L	15.1470 µg/L	
1 Ti 334.941	3768.5	3758.2	19.4621 µg/L	19.4621 µg/L	
1 Tl 190.800	19.6	19.5	8.56410 µg/L	8.56410 µg/L	
1 V 292.402	-227.3	-226.7	5.35979 µg/L	5.35979 µg/L	
1 Zn 206.200	26.5	26.4	10.1309 µg/L	10.1309 µg/L	
2 Sc 357.253	432654.9	432654.9	99.1 µg/L		
2 Y 360.064	267861.9	267861.9	99.4 µg/L		
2 Ag 328.068	-67.8	-68.4	0.453684 µg/L	0.453684 µg/L	
2 Al 396.140	7925.5	7996.2	1011.67 µg/L	1011.67 µg/L	
2 As 188.979	1.7	1.7	-38.2598 µg/L	-38.2598 µg/L	
2 B 249.773	407.2	410.8	20.6819 µg/L	20.6819 µg/L	
2 Ba 455.403	27853.4	28101.8	29.5689 µg/L	29.5689 µg/L	
2 Be 234.861	114.6	115.7	0.0303274 µg/L	0.0303274 µg/L	
2 Ca 315.887	126125.3	127250.0	11.9825 mg/L	11.9825 mg/L	
2 Cd 214.438	59.0	59.6	1.89179 µg/L	1.89179 µg/L	
2 Ce 413.765	-16.7	-16.9	-17.5185 µg/L	-0.0175185 mg/L	
2 Co 228.616	-0.9	-0.9	4.05060 µg/L	4.05060 µg/L	
2 Cr 205.560	67.8	68.4	8.17171 µg/L	8.17171 µg/L	
2 Cu 327.394	44.6	45.0	6.12829 µg/L	6.12829 µg/L	
2 Fe 238.204	10010.9	10100.2	1078.84 µg/L	1078.84 µg/L	
2 K 766.514	3938.9	3974.0	0.560651 mg/L	0.560651 mg/L	
2 Li 670.781	439.7	443.6	-0.798181 µg/L	-0.798181 µg/L	
2 Mg 279.074	1403.6	1416.2	1.06741 mg/L	1.06741 mg/L	
2 Mn 257.610	4096.9	4133.4	54.0629 µg/L	54.0629 µg/L	
2 Mo 202.031	5.2	5.2	-6.84137 µg/L	-6.84137 µg/L	
2 Na 589.594	42809.8	43191.5	2.65178 mg/L	2.65178 mg/L	
2 Ni 231.603	72.0	72.7	-10.8908 µg/L	-10.8908 µg/L	
2 Pb 220.353	-1.8	-1.9	21.4543 µg/L	21.4543 µg/L	
2 Sb 206.831	-4.9	-4.9	-41.2515 µg/L	-41.2515 µg/L	
2 Se 196.026	69.3	70.0	13.2538 µg/L	13.2538 µg/L	
2 Si 251.611	12607.5	12719.9	2405.54 µg/L	2405.54 µg/L	
2 Sn 189.933	-2.5	-2.6	-10.8463 µg/L	-10.8463 µg/L	
2 Sr 407.771	25313.5	25539.3	15.4088 µg/L	15.4088 µg/L	
2 Ti 334.941	3849.4	3883.7	20.7923 µg/L	20.7923 µg/L	
2 Tl 190.800	9.9	10.0	-47.8363 µg/L	-47.8363 µg/L	
2 V 292.402	-275.1	-277.6	2.09443 µg/L	2.09443 µg/L	
2 Zn 206.200	49.0	49.5	20.3076 µg/L	20.3076 µg/L	

Mean Data

ID: 1002144-17 Seq. No.: 34 Sample No.: 17 A/S Pos: 33
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 9:41:04 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	435178.1	99.7	0.82	µg/L				0.82%
Y 360.064	269519.6	100.0	0.87	µg/L				0.87%
Ag 328.068	-81.2	-0.0442324	0.70415946	µg/L	-0.0442324	0.70415946	µg/L	>999.9%
Al 396.140	8002.0	1012.42	1.060	µg/L	1012.42	1.060	µg/L	0.10%
As 188.979	2.6	-33.2336	7.10821	µg/L	-33.2336	7.10821	µg/L	21.39%
B 249.773	421.4	21.7313	1.48405	µg/L	21.7313	1.48405	µg/L	6.83%
Ba 455.403	27912.9	29.2671	0.42684	µg/L	29.2671	0.42684	µg/L	1.46%
Be 234.861	107.0	-0.0674172	0.13823166	µg/L	-0.0674172	0.13823166	µg/L	205.04%
Ca 315.887	126337.9	11.8965	0.12160	mg/L	11.8965	0.12160	mg/L	1.02%
Cd 214.438	55.8	1.34532	0.772822	µg/L	1.34532	0.772822	µg/L	57.45%
Ce 413.765	28.4	-10.7207	9.61354	µg/L	-0.0107207	0.00961354	mg/L	89.67%
Co 228.616	-7.4	2.10859	2.746416	µg/L	2.10859	2.746416	µg/L	130.25%
Cr 205.560	66.4	6.39022	2.519397	µg/L	6.39022	2.519397	µg/L	39.43%
Cu 327.394	29.7	5.06500	1.503728	µg/L	5.06500	1.503728	µg/L	29.69%
Fe 238.204	10063.4	1074.88	5.600	µg/L	1074.88	5.600	µg/L	0.52%
K 766.514	4021.4	0.574944	0.0202122	mg/L	0.574944	0.0202122	mg/L	3.52%
Li 670.781	387.8	-1.15437	0.503724	µg/L	-1.15437	0.503724	µg/L	43.64%
Mg 279.074	1384.8	1.04373	0.033481	mg/L	1.04373	0.033481	mg/L	3.21%
Mn 257.610	4124.5	53.9467	0.16441	µg/L	53.9467	0.16441	µg/L	0.30%
Mo 202.031	4.9	-7.36778	0.744463	µg/L	-7.36778	0.744463	µg/L	10.10%
Na 589.594	42852.3	2.62931	0.031778	mg/L	2.62931	0.031778	mg/L	1.21%
Ni 231.603	75.3	-9.35150	2.176960	µg/L	-9.35150	2.176960	µg/L	23.28%
Pb 220.353	-5.3	9.50099	16.904599	µg/L	9.50099	16.904599	µg/L	177.92%
Sb 206.831	-1.3	-23.5707	25.00439	µg/L	-23.5707	25.00439	µg/L	106.08%
Se 196.026	71.4	24.0047	15.20413	µg/L	24.0047	15.20413	µg/L	63.34%
Si 251.611	12654.4	2391.86	19.338	µg/L	2391.86	19.338	µg/L	0.81%

Sn 189.933	-3.5	-19.5306	12.28134 µg/L	-19.5306	12.28134 µg/L	62.88%
Sr 407.771	25356.3	15.2779	0.18512 µg/L	15.2779	0.18512 µg/L	1.21%
Ti 334.941	3821.0	20.1272	0.94055 µg/L	20.1272	0.94055 µg/L	4.67%
Tl 190.800	14.7	-19.6361	39.88110 µg/L	-19.6361	39.88110 µg/L	203.10%
V 292.402	-252.1	3.72711	2.308964 µg/L	3.72711	2.308964 µg/L	61.95%
Zn 206.200	38.0	15.2192	7.19602 µg/L	15.2192	7.19602 µg/L	47.28%

Replicate Data ----------

ID: 1002144-18 Date: 2/18/10 9:44:23 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	432861.6	432861.6	99.2	µg/L		
1	Y 360.064	268090.8	268090.8	99.4	µg/L		
1	Ag 328.068	-31.9	-32.1	1.86503	µg/L	1.86503	µg/L
1	Al 396.140	6936.9	6995.5	882.936	µg/L	882.936	µg/L
1	As 188.979	5.2	5.2	-18.2864	µg/L	-18.2864	µg/L
1	B 249.773	476.7	480.8	27.5992	µg/L	27.5992	µg/L
1	Ba 455.403	24515.9	24722.7	24.1684	µg/L	24.1684	µg/L
1	Be 234.861	103.6	104.5	-0.0964010	µg/L	-0.0964010	µg/L
1	Ca 315.887	121136.5	122158.3	11.5024	mg/L	11.5024	mg/L
1	Cd 214.438	47.2	47.6	0.138452	µg/L	0.138452	µg/L
1	Ce 413.765	30.5	30.7	-10.3629	µg/L	-0.0103629	mg/L
1	Co 228.616	-17.5	-17.6	-0.954359	µg/L	-0.954359	µg/L
1	Cr 205.560	59.8	60.3	0.957892	µg/L	0.957892	µg/L
1	Cu 327.394	89.0	89.7	9.23713	µg/L	9.23713	µg/L
1	Fe 238.204	7385.8	7448.1	792.939	µg/L	792.939	µg/L
1	K 766.514	4319.5	4355.9	0.675928	mg/L	0.675928	mg/L
1	Li 670.781	444.2	448.0	-0.770394	µg/L	-0.770394	µg/L
1	Mg 279.074	1296.2	1307.2	0.985234	mg/L	0.985234	mg/L
1	Mn 257.610	2730.6	2753.6	36.0552	µg/L	36.0552	µg/L
1	Mo 202.031	11.9	12.0	3.35259	µg/L	3.35259	µg/L
1	Na 589.594	36464.3	36771.9	2.22655	mg/L	2.22655	mg/L
1	Ni 231.603	72.3	72.9	-10.7637	µg/L	-10.7637	µg/L
1	Pb 220.353	4.4	4.4	43.4416	µg/L	43.4416	µg/L
1	Sb 206.831	-1.5	-1.5	-24.5806	µg/L	-24.5806	µg/L
1	Se 196.026	79.8	80.4	90.7010	µg/L	90.7010	µg/L
1	Si 251.611	15068.2	15195.3	2922.02	µg/L	2922.02	µg/L
1	Sn 189.933	-5.6	-5.7	-39.1606	µg/L	-39.1606	µg/L
1	Sr 407.771	24814.3	25023.6	15.0398	µg/L	15.0398	µg/L
1	Ti 334.941	4344.6	4381.2	26.0645	µg/L	26.0645	µg/L
1	Tl 190.800	17.0	17.1	-5.51664	µg/L	-5.51664	µg/L
1	V 292.402	-191.1	-192.7	7.54538	µg/L	7.54538	µg/L
1	Zn 206.200	23.4	23.6	8.87916	µg/L	8.87916	µg/L
2	Sc 357.253	430996.5	430996.5	98.7	µg/L		
2	Y 360.064	267083.2	267083.2	99.1	µg/L		
2	Ag 328.068	-41.6	-42.1	1.47759	µg/L	1.47759	µg/L
2	Al 396.140	6714.1	6800.0	857.793	µg/L	857.793	µg/L
2	As 188.979	6.9	7.0	-8.13009	µg/L	-8.13009	µg/L
2	B 249.773	459.3	465.2	26.0613	µg/L	26.0613	µg/L
2	Ba 455.403	24711.3	25027.6	24.6557	µg/L	24.6557	µg/L
2	Be 234.861	102.4	103.8	-0.104805	µg/L	-0.104805	µg/L
2	Ca 315.887	122217.8	123782.1	11.6555	mg/L	11.6555	mg/L
2	Cd 214.438	46.5	47.1	0.0578735	µg/L	0.0578735	µg/L
2	Ce 413.765	54.9	55.6	-6.62401	µg/L	-0.0066240	mg/L
2	Co 228.616	-12.1	-12.3	0.642920	µg/L	0.642920	µg/L
2	Cr 205.560	67.1	67.9	7.72393	µg/L	7.72393	µg/L
2	Cu 327.394	39.4	39.9	5.77847	µg/L	5.77847	µg/L
2	Fe 238.204	7428.8	7523.9	801.109	µg/L	801.109	µg/L
2	K 766.514	4418.5	4475.0	0.711920	mg/L	0.711920	mg/L
2	Li 670.781	451.3	457.1	-0.712442	µg/L	-0.712442	µg/L
2	Mg 279.074	1233.6	1249.4	0.941595	mg/L	0.941595	mg/L
2	Mn 257.610	2738.0	2773.0	36.3087	µg/L	36.3087	µg/L
2	Mo 202.031	7.1	7.2	-3.79743	µg/L	-3.79743	µg/L
2	Na 589.594	36439.8	36906.2	2.23545	mg/L	2.23545	mg/L
2	Ni 231.603	85.4	86.5	-2.80653	µg/L	-2.80653	µg/L
2	Pb 220.353	-10.7	-10.8	-9.91050	µg/L	-9.91050	µg/L
2	Sb 206.831	1.0	1.0	-12.2626	µg/L	-12.2626	µg/L
2	Se 196.026	77.4	78.4	75.6424	µg/L	75.6424	µg/L
2	Si 251.611	15262.9	15458.2	2976.86	µg/L	2976.86	µg/L

2 Sn 189.933	-3.7	-3.7	-21.6711 µg/L	-21.6711 µg/L
2 Sr 407.771	24975.3	25295.0	15.2340 µg/L	15.2340 µg/L
2 Ti 334.941	4253.3	4307.7	25.2856 µg/L	25.2856 µg/L
2 Tl 190.800	19.0	19.2	7.00069 µg/L	7.00069 µg/L
2 V 292.402	-273.6	-277.1	2.12362 µg/L	2.12362 µg/L
2 Zn 206.200	26.9	27.2	10.4752 µg/L	10.4752 µg/L

Mean Data

ID: 1002144-18 Seq. No.: 35 Sample No.: 18 A/S Pos: 34
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 9:44:23 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	431929.0	98.9	0.30	µg/L				0.31%
Y 360.064	267587.0	99.3	0.26	µg/L				0.27%
Ag 328.068	-37.1	1.67131	0.273960	µg/L	1.67131	0.273960	µg/L	16.39%
Al 396.140	6897.7	870.365	17.7792	µg/L	870.365	17.7792	µg/L	2.04%
As 188.979	6.1	-13.2082	7.18157	µg/L	-13.2082	7.18157	µg/L	54.37%
B 249.773	473.0	26.8302	1.08745	µg/L	26.8302	1.08745	µg/L	4.05%
Ba 455.403	24875.1	24.4120	0.34460	µg/L	24.4120	0.34460	µg/L	1.41%
Be 234.861	104.1	-0.100603	0.0059424	µg/L	-0.100603	0.0059424	µg/L	5.91%
Ca 315.887	122970.2	11.5790	0.10825	mg/L	11.5790	0.10825	mg/L	0.93%
Cd 214.438	47.3	0.0981629	0.05697783	µg/L	0.0981629	0.05697783	µg/L	58.04%
Ce 413.765	43.2	-8.49344	2.643776	µg/L	-0.0084934	0.00264378	mg/L	31.13%
Co 228.616	-15.0	-0.155720	1.1294474	µg/L	-0.155720	1.1294474	µg/L	725.31%
Cr 205.560	64.1	4.34091	4.784309	µg/L	4.34091	4.784309	µg/L	110.21%
Cu 327.394	64.8	7.50780	2.445645	µg/L	7.50780	2.445645	µg/L	32.57%
Fe 238.204	7486.0	797.024	5.7772	µg/L	797.024	5.7772	µg/L	0.72%
K 766.514	4415.5	0.693924	0.0254501	mg/L	0.693924	0.0254501	mg/L	3.67%
Li 670.781	452.5	-0.741418	0.0409783	µg/L	-0.741418	0.0409783	µg/L	5.53%
Mg 279.074	1278.3	0.963415	0.0308578	mg/L	0.963415	0.0308578	mg/L	3.20%
Mn 257.610	2763.3	36.1819	0.17926	µg/L	36.1819	0.17926	µg/L	0.50%
Mo 202.031	9.6	-0.222420	5.0558281	µg/L	-0.222420	5.0558281	µg/L	>999.9%
Na 589.594	36839.1	2.23100	0.006296	mg/L	2.23100	0.006296	mg/L	0.28%
Ni 231.603	79.7	-6.78509	5.626537	µg/L	-6.78509	5.626537	µg/L	82.93%
Pb 220.353	-3.2	16.7655	37.72563	µg/L	16.7655	37.72563	µg/L	225.02%
Sb 206.831	-0.3	-18.4216	8.71017	µg/L	-18.4216	8.71017	µg/L	47.28%
Se 196.026	79.4	83.1717	10.64810	µg/L	83.1717	10.64810	µg/L	12.80%
Si 251.611	15326.8	2949.44	38.783	µg/L	2949.44	38.783	µg/L	1.31%
Sn 189.933	-4.7	-30.4158	12.36696	µg/L	-30.4158	12.36696	µg/L	40.66%
Sr 407.771	25159.3	15.1369	0.13733	µg/L	15.1369	0.13733	µg/L	0.91%
Ti 334.941	4344.5	25.6750	0.55076	µg/L	25.6750	0.55076	µg/L	2.15%
Tl 190.800	18.2	0.742026	8.8510862	µg/L	0.742026	8.8510862	µg/L	>999.9%
V 292.402	-234.9	4.83450	3.833768	µg/L	4.83450	3.833768	µg/L	79.30%
Zn 206.200	25.4	9.67716	1.128535	µg/L	9.67716	1.128535	µg/L	11.66%

Replicate Data

ID: 1002144-19 Date: 2/18/10 9:47:44 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	441979.3	441979.3	101.3	µg/L		
1	Y 360.064	273705.8	273705.8	101.5	µg/L		
1	Ag 328.068	-97.8	-96.6	-0.644175	µg/L	-0.644175	µg/L
1	Al 396.140	4164.3	4112.8	512.110	µg/L	512.110	µg/L
1	As 188.979	7.8	7.7	-4.07720	µg/L	-4.07720	µg/L
1	B 249.773	1055.8	1042.8	83.1833	µg/L	83.1833	µg/L
1	Ba 455.403	13166.0	13003.1	5.43810	µg/L	5.43810	µg/L
1	Be 234.861	105.5	104.2	-0.0997812	µg/L	-0.0997812	µg/L
1	Ca 315.887	269937.0	266598.5	25.1197	mg/L	25.1197	mg/L
1	Cd 214.438	59.2	58.4	1.72416	µg/L	1.72416	µg/L
1	Ce 413.765	129.6	128.0	4.24394	µg/L	0.0042439	mg/L
1	Co 228.616	-26.1	-25.7	-3.38649	µg/L	-3.38649	µg/L
1	Cr 205.560	127.3	125.8	59.2141	µg/L	59.2141	µg/L
1	Cu 327.394	560.5	553.6	41.4728	µg/L	41.4728	µg/L
1	Fe 238.204	1665.6	1645.0	167.348	µg/L	167.348	µg/L
1	K 766.514	8081.2	7981.3	1.77138	mg/L	1.77138	mg/L
1	Li 670.781	298.5	294.8	-1.74745	µg/L	-1.74745	µg/L
1	Mg 279.074	251.3	248.2	0.187740	mg/L	0.187740	mg/L
1	Mn 257.610	147.7	145.8	2.02213	µg/L	2.02213	µg/L

1 Mo 202.031	7.6	7.5	-3.39454 µg/L	-3.39454 µg/L	
1 Na 589.594	177360.2	175166.7	11.3938 mg/L	11.3938 mg/L	
1 Ni 231.603	82.0	80.9	-6.04283 µg/L	-6.04283 µg/L	
1 Pb 220.353	-8.7	-8.6	-2.09340 µg/L	-2.09340 µg/L	
1 Sb 206.831	2.4	2.4	-5.38597 µg/L	-5.38597 µg/L	
1 Se 196.026	73.4	72.5	32.2185 µg/L	32.2185 µg/L	
1 Si 251.611	52723.2	52071.1	10615.9 µg/L	10615.9 µg/L	
1 Sn 189.933	-7.8	-7.7	-57.7482 µg/L	-57.7482 µg/L	
1 Sr 407.771	73001.0	72098.1	48.7259 µg/L	48.7259 µg/L	
1 Ti 334.941	14473.2	14294.2	131.117 µg/L	131.117 µg/L	
1 Tl 190.800	16.7	16.5	-9.09550 µg/L	-9.09550 µg/L	
1 V 292.402	-184.8	-182.5	8.19768 µg/L	8.19768 µg/L	
1 Zn 206.200	23.0	22.7	8.47236 µg/L	8.47236 µg/L	
2 Sc 357.253	439636.4	439636.4	100.7 µg/L		
2 Y 360.064	272531.9	272531.9	101.1 µg/L		
2 Ag 328.068	-114.1	-113.3	-1.29562 µg/L	-1.29562 µg/L	
2 Al 396.140	4249.8	4219.6	525.852 µg/L	525.852 µg/L	
2 As 188.979	12.4	12.3	21.4463 µg/L	21.4463 µg/L	
2 B 249.773	1083.8	1076.1	86.4793 µg/L	86.4793 µg/L	
2 Ba 455.403	13155.5	13062.0	5.53220 µg/L	5.53220 µg/L	
2 Be 234.861	88.2	87.6	-0.288477 µg/L	-0.288477 µg/L	
2 Ca 315.887	271538.9	269609.8	25.4036 mg/L	25.4036 mg/L	
2 Cd 214.438	46.5	46.2	-0.0673857 µg/L	-0.0673857 µg/L	
2 Ce 413.765	123.5	122.6	3.43619 µg/L	0.0034362 mg/L	
2 Co 228.616	-14.8	-14.7	-0.0875503 µg/L	-0.0875503 µg/L	
2 Cr 205.560	134.9	134.0	66.5207 µg/L	66.5207 µg/L	
2 Cu 327.394	542.5	538.7	40.4379 µg/L	40.4379 µg/L	
2 Fe 238.204	1686.6	1674.6	170.536 µg/L	170.536 µg/L	
2 K 766.514	8101.4	8043.9	1.79030 mg/L	1.79030 mg/L	
2 Li 670.781	408.2	405.3	-1.04280 µg/L	-1.04280 µg/L	
2 Mg 279.074	275.8	273.8	0.207116 mg/L	0.207116 mg/L	
2 Mn 257.610	123.9	123.1	1.72485 µg/L	1.72485 µg/L	
2 Mo 202.031	6.6	6.6	-4.75552 µg/L	-4.75552 µg/L	
2 Na 589.594	178590.7	177321.9	11.5366 mg/L	11.5366 mg/L	
2 Ni 231.603	89.6	89.0	-1.34325 µg/L	-1.34325 µg/L	
2 Pb 220.353	-8.6	-8.6	-2.07577 µg/L	-2.07577 µg/L	
2 Sb 206.831	6.3	6.3	14.0010 µg/L	14.0010 µg/L	
2 Se 196.026	81.7	81.1	95.7039 µg/L	95.7039 µg/L	
2 Si 251.611	52646.9	52272.9	10658.0 µg/L	10658.0 µg/L	
2 Sn 189.933	-6.6	-6.5	-46.9103 µg/L	-46.9103 µg/L	
2 Sr 407.771	73707.5	73183.8	49.5028 µg/L	49.5028 µg/L	
2 Ti 334.941	14750.5	14645.7	134.843 µg/L	134.843 µg/L	
2 Tl 190.800	16.1	16.0	-12.1116 µg/L	-12.1116 µg/L	
2 V 292.402	-163.8	-162.6	9.47480 µg/L	9.47480 µg/L	
2 Zn 206.200	9.1	9.1	2.45066 µg/L	2.45066 µg/L	

Mean Data ----------

ID: 1002144-19 Seq. No.: 36 Sample No.: 19 A/S Pos: 35

Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0

Data: Original Date: 2/18/10 9:47:44 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	440807.8	101.0	0.38	µg/L				0.38%
Y 360.064	273118.9	101.3	0.31	µg/L				0.30%
Ag 328.068	-105.0	-0.969897	0.4606414	µg/L	-0.969897	0.4606414	µg/L	47.49%
Al 396.140	4166.2	518.981	9.7170	µg/L	518.981	9.7170	µg/L	1.87%
As 188.979	10.0	8.68454	18.047837	µg/L	8.68454	18.047837	µg/L	207.82%
B 249.773	1059.4	84.8313	2.33062	µg/L	84.8313	2.33062	µg/L	2.75%
Ba 455.403	13032.6	5.48515	0.066539	µg/L	5.48515	0.066539	µg/L	1.21%
Be 234.861	95.9	-0.194129	0.1334279	µg/L	-0.194129	0.1334279	µg/L	68.73%
Ca 315.887	268104.1	25.2616	0.20074	mg/L	25.2616	0.20074	mg/L	0.79%
Cd 214.438	52.3	0.828386	1.2668131	µg/L	0.828386	1.2668131	µg/L	152.93%
Ce 413.765	125.3	3.84007	0.571169	µg/L	0.0038401	0.00057117	mg/L	14.87%
Co 228.616	-20.2	-1.73702	2.332703	µg/L	-1.73702	2.332703	µg/L	134.29%
Cr 205.560	129.9	62.8674	5.16656	µg/L	62.8674	5.16656	µg/L	8.22%
Cu 327.394	546.1	40.9553	0.73183	µg/L	40.9553	0.73183	µg/L	1.79%
Fe 238.204	1659.8	168.942	2.2547	µg/L	168.942	2.2547	µg/L	1.33%
K 766.514	8012.6	1.78084	0.013383	mg/L	1.78084	0.013383	mg/L	0.75%
Li 670.781	350.0	-1.39513	0.498259	µg/L	-1.39513	0.498259	µg/L	35.71%
Mg 279.074	261.0	0.197428	0.0137008	mg/L	0.197428	0.0137008	mg/L	6.94%

Mn 257.610	134.4	1.87349	0.210210 µg/L	1.87349	0.210210 µg/L	11.22%
Mo 202.031	7.0	-4.07503	0.962356 µg/L	-4.07503	0.962356 µg/L	23.62%
Na 589.594	176244.3	11.4652	0.10095 mg/L	11.4652	0.10095 mg/L	0.88%
Ni 231.603	85.0	-3.69304	3.323103 µg/L	-3.69304	3.323103 µg/L	89.98%
Pb 220.353	-8.6	-2.08458	0.012464 µg/L	-2.08458	0.012464 µg/L	0.60%
Sb 206.831	4.3	4.30752	13.708663 µg/L	4.30752	13.708663 µg/L	318.25%
Se 196.026	76.8	63.9612	44.89090 µg/L	63.9612	44.89090 µg/L	70.18%
Si 251.611	52172.0	10636.9	29.77 µg/L	10636.9	29.77 µg/L	0.28%
Sn 189.933	-7.1	-52.3293	7.66358 µg/L	-52.3293	7.66358 µg/L	14.64%
Sr 407.771	72641.0	49.1143	0.54934 µg/L	49.1143	0.54934 µg/L	1.12%
Ti 334.941	14470.0	132.980	2.6341 µg/L	132.980	2.6341 µg/L	1.98%
Tl 190.800	16.3	-10.6035	2.13270 µg/L	-10.6035	2.13270 µg/L	20.11%
V 292.402	-172.6	8.83624	0.903058 µg/L	8.83624	0.903058 µg/L	10.22%
Zn 206.200	15.9	5.46151	4.257986 µg/L	5.46151	4.257986 µg/L	77.96%

Replicate Data ----------

ID: 1002144-20 Date: 2/18/10 9:51:05 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	436816.6	436816.6	100.1	µg/L		
1	Y 360.064	270617.4	270617.4	100.4	µg/L		
1	Ag 328.068	-101.8	-101.7	-0.844096	µg/L	-0.844096	µg/L
1	Al 396.140	6487.8	6483.3	817.049	µg/L	817.049	µg/L
1	As 188.979	11.6	11.6	17.3649	µg/L	17.3649	µg/L
1	B 249.773	496.9	496.6	29.1639	µg/L	29.1639	µg/L
1	Ba 455.403	24059.9	24043.2	23.0824	µg/L	23.0824	µg/L
1	Be 234.861	105.0	105.0	-0.0911345	µg/L	-0.0911345	µg/L
1	Ca 315.887	202040.0	201899.5	19.0201	mg/L	19.0201	mg/L
1	Cd 214.438	51.2	51.2	0.657386	µg/L	0.657386	µg/L
1	Ce 413.765	-39.5	-39.5	-20.9169	µg/L	-0.0209169	mg/L
1	Co 228.616	-22.9	-22.9	-2.52004	µg/L	-2.52004	µg/L
1	Cr 205.560	64.5	64.4	4.63628	µg/L	4.63628	µg/L
1	Cu 327.394	16.9	16.9	4.17809	µg/L	4.17809	µg/L
1	Fe 238.204	270.7	270.5	19.1662	µg/L	19.1662	µg/L
1	K 766.514	3235.4	3233.1	0.336822	mg/L	0.336822	mg/L
1	Li 670.781	366.8	366.5	-1.29013	µg/L	-1.29013	µg/L
1	Mg 279.074	317.1	316.9	0.238854	mg/L	0.238854	mg/L
1	Mn 257.610	-126.0	-125.9	-1.52474	µg/L	-1.52474	µg/L
1	Mo 202.031	11.1	11.1	2.03180	µg/L	2.03180	µg/L
1	Na 589.594	32539.8	32517.1	1.94509	mg/L	1.94509	mg/L
1	Ni 231.603	83.2	83.2	-4.73487	µg/L	-4.73487	µg/L
1	Pb 220.353	7.3	7.3	53.5408	µg/L	53.5408	µg/L
1	Sb 206.831	-1.0	-1.0	-21.7471	µg/L	-21.7471	µg/L
1	Se 196.026	86.5	86.4	135.110	µg/L	135.110	µg/L
1	Si 251.611	25528.0	25510.3	5074.15	µg/L	5074.15	µg/L
1	Sn 189.933	-6.9	-6.9	-49.9767	µg/L	-49.9767	µg/L
1	Sr 407.771	80060.9	80005.3	54.3841	µg/L	54.3841	µg/L
1	Ti 334.941	1803.6	1802.3	-1.26579	µg/L	-1.26579	µg/L
1	Tl 190.800	16.1	16.1	-11.6589	µg/L	-11.6589	µg/L
1	V 292.402	-145.5	-145.4	10.5783	µg/L	10.5783	µg/L
1	Zn 206.200	1.4	1.4	-0.966681	µg/L	-0.966681	µg/L
2	Sc 357.253	433432.9	433432.9	99.3	µg/L		
2	Y 360.064	268592.5	268592.5	99.6	µg/L		
2	Ag 328.068	-95.4	-96.1	-0.624178	µg/L	-0.624178	µg/L
2	Al 396.140	6699.5	6747.1	850.991	µg/L	850.991	µg/L
2	As 188.979	12.3	12.4	22.1469	µg/L	22.1469	µg/L
2	B 249.773	488.0	491.5	28.6602	µg/L	28.6602	µg/L
2	Ba 455.403	24336.3	24509.3	23.8273	µg/L	23.8273	µg/L
2	Be 234.861	93.9	94.6	-0.208827	µg/L	-0.208827	µg/L
2	Ca 315.887	203778.8	205226.9	19.3338	mg/L	19.3338	mg/L
2	Cd 214.438	60.9	61.3	2.14502	µg/L	2.14502	µg/L
2	Ce 413.765	63.2	63.6	-5.42479	µg/L	-0.0054248	mg/L
2	Co 228.616	-9.5	-9.6	1.44474	µg/L	1.44474	µg/L
2	Cr 205.560	67.3	67.8	7.61303	µg/L	7.61303	µg/L
2	Cu 327.394	31.7	31.9	5.21892	µg/L	5.21892	µg/L
2	Fe 238.204	291.4	293.5	21.6481	µg/L	21.6481	µg/L
2	K 766.514	3161.3	3183.8	0.321928	mg/L	0.321928	mg/L
2	Li 670.781	289.8	291.9	-1.76596	µg/L	-1.76596	µg/L
2	Mg 279.074	401.5	404.4	0.304968	mg/L	0.304968	mg/L

2 Mn 257.610	-144.0	-145.0	-1.77355 µg/L	-1.77355 µg/L	
2 Mo 202.031	8.5	8.6	-1.79347 µg/L	-1.79347 µg/L	
2 Na 589.594	32712.9	32945.3	1.97347 mg/L	1.97347 mg/L	
2 Ni 231.603	99.9	100.6	5.49837 µg/L	5.49837 µg/L	
2 Pb 220.353	-10.1	-10.2	-7.68870 µg/L	-7.68870 µg/L	
2 Sb 206.831	-1.9	-1.9	-26.5867 µg/L	-26.5867 µg/L	
2 Se 196.026	75.7	76.3	59.7864 µg/L	59.7864 µg/L	
2 Si 251.611	25817.4	26000.9	5176.51 µg/L	5176.51 µg/L	
2 Sn 189.933	-5.5	-5.5	-37.8991 µg/L	-37.8991 µg/L	
2 Sr 407.771	80747.5	81321.3	55.3258 µg/L	55.3258 µg/L	
2 Ti 334.941	1851.7	1864.8	-0.603261 µg/L	-0.603261 µg/L	
2 Tl 190.800	15.7	15.8	-13.4664 µg/L	-13.4664 µg/L	
2 V 292.402	-126.5	-127.4	11.7401 µg/L	11.7401 µg/L	
2 Zn 206.200	13.8	13.9	4.58510 µg/L	4.58510 µg/L	

Mean Data

ID: 1002144-20 Seq. No.: 37 Sample No.: 20 A/S Pos: 36
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 9:51:05 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	435124.8	99.7	0.55	µg/L				0.55%
Y 360.064	269605.0	100.0	0.53	µg/L				0.53%
Ag 328.068	-98.9	-0.734137	0.1555052	µg/L	-0.734137	0.1555052	µg/L	21.18%
Al 396.140	6615.2	834.020	24.0011	µg/L	834.020	24.0011	µg/L	2.88%
As 188.979	12.0	19.7559	3.38138	µg/L	19.7559	3.38138	µg/L	17.12%
B 249.773	494.0	28.9121	0.35616	µg/L	28.9121	0.35616	µg/L	1.23%
Ba 455.403	24276.2	23.4549	0.52670	µg/L	23.4549	0.52670	µg/L	2.25%
Be 234.861	99.8	-0.149981	0.0832214	µg/L	-0.149981	0.0832214	µg/L	55.49%
Ca 315.887	203563.2	19.1770	0.22181	mg/L	19.1770	0.22181	mg/L	1.16%
Cd 214.438	56.2	1.40120	1.051915	µg/L	1.40120	1.051915	µg/L	75.07%
Ce 413.765	12.0	-13.1708	10.95457	µg/L	-0.0131708	0.01095457	mg/L	83.17%
Co 228.616	-16.2	-0.537650	2.8035199	µg/L	-0.537650	2.8035199	µg/L	521.44%
Cr 205.560	66.1	6.12466	2.104877	µg/L	6.12466	2.104877	µg/L	34.37%
Cu 327.394	24.4	4.69851	0.735980	µg/L	4.69851	0.735980	µg/L	15.66%
Fe 238.204	282.0	20.4071	1.75493	µg/L	20.4071	1.75493	µg/L	8.60%
K 766.514	3208.4	0.329375	0.0105318	mg/L	0.329375	0.0105318	mg/L	3.20%
Li 670.781	329.2	-1.52805	0.336463	µg/L	-1.52805	0.336463	µg/L	22.02%
Mg 279.074	360.7	0.271911	0.0467497	mg/L	0.271911	0.0467497	mg/L	17.19%
Mn 257.610	-135.5	-1.64914	0.175937	µg/L	-1.64914	0.175937	µg/L	10.67%
Mo 202.031	9.8	0.119168	2.7048763	µg/L	0.119168	2.7048763	µg/L	>999.9%
Na 589.594	32731.2	1.95928	0.020065	mg/L	1.95928	0.020065	mg/L	1.02%
Ni 231.603	91.9	0.381749	7.2359959	µg/L	0.381749	7.2359959	µg/L	>999.9%
Pb 220.353	-1.4	22.9260	43.29579	µg/L	22.9260	43.29579	µg/L	188.85%
Sb 206.831	-1.4	-24.1669	3.42214	µg/L	-24.1669	3.42214	µg/L	14.16%
Se 196.026	81.3	97.4483	53.26206	µg/L	97.4483	53.26206	µg/L	54.66%
Si 251.611	25755.6	5125.33	72.382	µg/L	5125.33	72.382	µg/L	1.41%
Sn 189.933	-6.2	-43.9379	8.54012	µg/L	-43.9379	8.54012	µg/L	19.44%
Sr 407.771	80663.3	54.8550	0.66589	µg/L	54.8550	0.66589	µg/L	1.21%
Ti 334.941	1833.6	-0.934527	0.4684806	µg/L	-0.934527	0.4684806	µg/L	50.13%
Tl 190.800	15.9	-12.5627	1.27810	µg/L	-12.5627	1.27810	µg/L	10.17%
V 292.402	-136.4	11.1592	0.82152	µg/L	11.1592	0.82152	µg/L	7.36%
Zn 206.200	7.6	1.80921	3.925705	µg/L	1.80921	3.925705	µg/L	216.98%

Replicate Data

ID: Hg_ReAlign Date: 2/18/10 9:53:53 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Hg 253.652	956309.8	956309.8				

W

Replicate Data

ID: 0B18004-CCV Date: 2/18/10 9:55:33 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	419433.3	419433.3	96.1	µg/L		
1	Y 360.064	256253.6	256253.6	95.0	µg/L		
1	Ag 328.068	12155.5	12650.5	495.637	µg/L		

1	Al 396.140	18715.6	19477.7	2488.64	µg/L
1	As 188.979	429.9	447.4	2468.63	µg/L
1	B 249.773	4863.8	5061.9	480.686	µg/L
1	Ba 455.403	310062.1	322688.0	500.380	µg/L
1	Be 234.861	4324.4	4500.5	49.8354	µg/L
1	Ca 315.887	49906.4	51938.7	4.88025	mg/L
1	Cd 214.438	3267.0	3400.0	492.029	µg/L
1	Ce 413.765	72.1	75.1	-3.70660	µg/L
1	Co 228.616	1576.3	1640.4	495.345	µg/L
1	Cr 205.560	594.5	618.7	498.039	µg/L
1	Cu 327.394	6848.0	7126.9	498.274	µg/L
1	Fe 238.204	4491.4	4674.3	493.920	µg/L
1	K 766.514	18038.6	18773.1	5.03149	mg/L
1	Li 670.781	76270.3	79376.1	502.622	µg/L
1	Mg 279.074	6052.7	6299.2	4.75381	mg/L
1	Mn 257.610	36256.7	37733.1	492.562	µg/L
1	Mo 202.031	316.5	329.4	481.272	µg/L
1	Na 589.594	75681.7	78763.5	5.00625	mg/L
1	Ni 231.603	884.1	920.1	486.425	µg/L
1	Pb 220.353	131.0	136.3	506.399	µg/L
1	Sb 206.831	481.8	501.4	2460.26	µg/L
1	Se 196.026	404.2	420.7	2608.45	µg/L
1	Si 251.611	12745.9	13264.9	2519.24	µg/L
1	Sn 189.933	221.3	230.4	2113.28	µg/L
1	Sr 407.771	666488.5	693628.4	493.486	µg/L
1	Ti 334.941	46551.5	48447.1	493.053	µg/L
1	Tl 190.800	407.5	424.1	2406.00	µg/L
1	V 292.402	7046.9	7333.9	490.904	µg/L
1	Zn 206.200	1077.6	1121.5	494.424	µg/L
2	Sc 357.253	417482.5	417482.5	95.6	µg/L
2	Y 360.064	254839.3	254839.3	94.5	µg/L
2	Ag 328.068	12222.6	12779.8	500.670	µg/L
2	Al 396.140	18919.0	19781.4	2527.71	µg/L
2	As 188.979	433.9	453.7	2504.32	µg/L
2	B 249.773	5007.5	5235.8	497.889	µg/L
2	Ba 455.403	313969.7	328281.6	509.320	µg/L
2	Be 234.861	4312.4	4509.0	49.9313	µg/L
2	Ca 315.887	50079.6	52362.5	4.92018	mg/L
2	Cd 214.438	3306.0	3456.7	500.343	µg/L
2	Ce 413.765	-10.1	-10.5	-16.5651	µg/L
2	Co 228.616	1587.8	1660.2	501.246	µg/L
2	Cr 205.560	590.3	617.2	496.727	µg/L
2	Cu 327.394	6883.6	7197.4	503.173	µg/L
2	Fe 238.204	4522.1	4728.2	499.730	µg/L
2	K 766.514	18354.9	19191.5	5.15791	mg/L
2	Li 670.781	77003.1	80513.2	509.875	µg/L
2	Mg 279.074	6140.2	6420.1	4.84511	mg/L
2	Mn 257.610	36343.4	38000.1	496.047	µg/L
2	Mo 202.031	320.6	335.3	490.162	µg/L
2	Na 589.594	76411.5	79894.7	5.08115	mg/L
2	Ni 231.603	922.0	964.0	512.157	µg/L
2	Pb 220.353	118.5	123.9	462.912	µg/L
2	Sb 206.831	488.8	511.1	2507.97	µg/L
2	Se 196.026	394.0	412.0	2544.29	µg/L
2	Si 251.611	12831.2	13416.1	2550.79	µg/L
2	Sn 189.933	225.6	235.9	2163.83	µg/L
2	Sr 407.771	675418.0	706206.2	502.487	µg/L
2	Ti 334.941	46931.1	49070.4	499.658	µg/L
2	Tl 190.800	416.6	435.6	2474.01	µg/L
2	V 292.402	7006.7	7326.1	490.402	µg/L
2	Zn 206.200	1069.5	1118.2	492.977	µg/L

Mean Data

ID: 0B18004-CCV 4 Seq. No.: 39 Sample No.: 8 A/S Pos: 4

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 2/18/10 9:55:33 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	418457.9	95.9	0.32	µg/L				0.33%
Y 360.064	255546.5	94.8	0.37	µg/L				0.39%

Ag 328.068	12715.1	498.153	3.5593	µg/L	0.71%
Al 396.140	19629.5	2508.18	27.626	µg/L	1.10%
As 188.979	450.5	2486.48	25.239	µg/L	1.02%
B 249.773	5148.8	489.288	12.1642	µg/L	2.49%
Ba 455.403	325484.8	504.850	6.3214	µg/L	1.25%
Be 234.861	4504.7	49.8833	0.06785	µg/L	0.14%
Ca 315.887	52150.6	4.90022	0.028232	mg/L	0.58%
Cd 214.438	3428.3	496.186	5.8789	µg/L	1.18%
Ce 413.765	32.3	-10.1359	9.09236	µg/L	89.70%
Co 228.616	1650.3	498.296	4.1724	µg/L	0.84%
Cr 205.560	618.0	497.383	0.9278	µg/L	0.19%
Cu 327.394	7162.1	500.724	3.4640	µg/L	0.69%
Fe 238.204	4701.3	496.825	4.1084	µg/L	0.83%
K 766.514	18982.3	5.09470	0.089390	mg/L	1.75%
Li 670.781	79944.6	506.248	5.1284	µg/L	1.01%
Mg 279.074	6359.6	4.79946	0.064554	mg/L	1.35%
Mn 257.610	37866.6	494.305	2.4642	µg/L	0.50%
Mo 202.031	332.3	485.717	6.2858	µg/L	1.29%
Na 589.594	79329.1	5.04370	0.052964	mg/L	1.05%
Ni 231.603	942.1	499.291	18.1952	µg/L	3.64%
Pb 220.353	130.1	484.656	30.7502	µg/L	6.34%
Sb 206.831	506.3	2484.11	33.732	µg/L	1.36%
Se 196.026	416.3	2576.37	45.366	µg/L	1.76%
Si 251.611	13340.5	2535.01	22.308	µg/L	0.88%
Sn 189.933	233.1	2138.55	35.742	µg/L	1.67%
*QC exceeds lower limit for Sn 189.933 Recovery = 85.54% Action = Continue					
Sr 407.771	699917.3	497.987	6.3643	µg/L	1.28%
Ti 334.941	48758.8	496.355	4.6702	µg/L	0.94%
Tl 190.800	429.8	2440.01	48.093	µg/L	1.97%
V 292.402	7330.0	490.653	0.3551	µg/L	0.07%
Zn 206.200	1119.9	493.701	1.0228	µg/L	0.21%

Replicate Data

ID: 0B18004-CCB Date: 2/18/10 9:58:55 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	415987.0	415987.0	95.3	µg/L		
1	Y 360.064	254101.8	254101.8	94.3	µg/L		
1	Ag 328.068	-173.0	-181.5	-3.94979	µg/L		
1	Al 396.140	-217.5	-228.2	-46.3125	µg/L		
1	As 188.979	4.3	4.5	-22.4450	µg/L		
1	B 249.773	160.1	168.0	-3.33845	µg/L		
1	Ba 455.403	8374.5	8787.7	-1.29901	µg/L		
1	Be 234.861	110.6	116.0	0.0348111	µg/L		
1	Ca 315.887	-539.4	-566.0	-0.0675373	mg/L		
1	Cd 214.438	46.2	48.5	0.271233	µg/L		
1	Ce 413.765	7.5	7.9	-13.7940	µg/L		
1	Co 228.616	-7.9	-8.3	1.83557	µg/L		
1	Cr 205.560	59.2	62.1	2.56302	µg/L		
1	Cu 327.394	-79.4	-83.4	-2.79026	µg/L		
1	Fe 238.204	103.7	108.8	1.74364	µg/L		
1	K 766.514	1994.4	2092.8	-0.0082810	mg/L		
1	Li 670.781	261.0	273.9	-1.88104	µg/L		
1	Mg 279.074	7.9	8.2	0.0034292	mg/L		
1	Mn 257.610	-208.2	-218.4	-2.73194	µg/L		
1	Mo 202.031	8.6	9.0	-1.13039	µg/L		
1	Na 589.594	2621.6	2751.0	-0.0273735	mg/L		
1	Ni 231.603	77.7	81.6	-5.68331	µg/L		
1	Pb 220.353	-7.8	-8.2	-0.729200	µg/L		
1	Sb 206.831	2.4	2.5	-4.60128	µg/L		
1	Se 196.026	70.1	73.5	39.5857	µg/L		
1	Si 251.611	1109.2	1164.0	-5.52937	µg/L		
1	Sn 189.933	-1.1	-1.1	2.43762	µg/L		
1	Sr 407.771	905.9	950.6	-2.18659	µg/L		
1	Ti 334.941	1683.1	1766.2	-1.64865	µg/L		
1	Tl 190.800	6.8	7.1	-64.9284	µg/L		
1	V 292.402	-261.4	-274.3	2.30240	µg/L		
1	Zn 206.200	2.8	3.0	-0.244591	µg/L		
2	Sc 357.253	414718.1	414718.1	95.0	µg/L		

N

2	Y 360.064	253545.1	253545.1	94.0 µg/L
2	Ag 328.068	-155.0	-163.2	-3.23723 µg/L
2	Al 396.140	-37.1	-39.1	-21.9873 µg/L
2	As 188.979	1.8	1.9	-36.9605 µg/L
2	B 249.773	131.7	138.6	-6.24283 µg/L
2	Ba 455.403	8475.5	8920.9	-1.08615 µg/L
2	Be 234.861	99.9	105.2	-0.0883870 µg/L
2	Ca 315.887	-537.4	-565.6	-0.0675003 mg/L
2	Cd 214.438	49.0	51.6	0.715605 µg/L
2	Ce 413.765	55.7	58.6	-6.17581 µg/L
2	Co 228.616	-28.7	-30.2	-4.72584 µg/L
2	Cr 205.560	58.5	61.6	2.07329 µg/L
2	Cu 327.394	-8.2	-8.6	2.40613 µg/L
2	Fe 238.204	114.8	120.8	3.03481 µg/L
2	K 766.514	2129.7	2241.6	0.0366795 mg/L
2	Li 670.781	267.0	281.0	-1.83557 µg/L
2	Mg 279.074	-7.2	-7.6	-0.0085129 mg/L
2	Mn 257.610	-197.5	-207.9	-2.59431 µg/L
2	Mo 202.031	10.0	10.5	1.11999 µg/L
2	Na 589.594	2621.5	2759.3	-0.0268239 mg/L
2	Ni 231.603	86.3	90.8	-0.258943 µg/L
2	Pb 220.353	-13.6	-14.3	-22.2639 µg/L
2	Sb 206.831	-0.4	-0.5	-19.2742 µg/L
2	Se 196.026	71.1	74.8	49.1782 µg/L
2	Si 251.611	1099.8	1157.6	-6.84967 µg/L
2	Sn 189.933	-1.9	-2.0	-5.65693 µg/L
2	Sr 407.771	759.7	799.6	-2.29464 µg/L
2	Ti 334.941	1733.0	1824.0	-1.03536 µg/L
2	Tl 190.800	10.4	10.9	-42.3515 µg/L
2	V 292.402	-317.5	-334.2	-1.54077 µg/L
2	Zn 206.200	-1.8	-1.9	-2.40097 µg/L

Mean Data ----------

ID: 0B18004-CCB Seq. No.: 40 Sample No.: 9 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 9:58:55 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	415352.6	95.2	0.21	µg/L				0.22%
Y 360.064	253823.5	94.1	0.15	µg/L				0.16%
Ag 328.068	-172.3	-3.59351	0.503856	µg/L				14.02%
Al 396.140	-133.6	-34.1499	17.20047	µg/L				50.37%
As 188.979	3.2	-29.7028	10.26399	µg/L				34.56%
B 249.773	153.3	-4.79064	2.053705	µg/L				42.87%
Ba 455.403	8854.3	-1.19258	0.150516	µg/L				12.62%
Be 234.861	110.6	-0.0267880	0.08711422	µg/L				325.20%
Ca 315.887	-565.8	-0.0675188	0.00002620	mg/L				0.04%
Cd 214.438	50.0	0.493419	0.3142183	µg/L				63.68%
Ce 413.765	33.3	-9.98489	5.386847	µg/L				53.95%
Co 228.616	-19.3	-1.44513	4.639616	µg/L				321.05%
Cr 205.560	61.8	2.31815	0.346291	µg/L				14.94%
Cu 327.394	-46.0	-0.192069	3.6744014	µg/L				>999.9%
Fe 238.204	114.8	2.38923	0.912994	µg/L				38.21%
K 766.514	2167.2	0.0141993	0.03179185	mg/L				223.90%
Li 670.781	277.4	-1.85831	0.032153	µg/L				1.73%
Mg 279.074	0.3	-0.0025419	0.00844435	mg/L				332.21%
Mn 257.610	-213.2	-2.66313	0.097324	µg/L				3.65%
Mo 202.031	9.7	-0.0052003	1.59126087	µg/L				>999.9%
Na 589.594	2755.1	-0.0270987	0.00038866	mg/L				1.43%
Ni 231.603	86.2	-2.97113	3.835609	µg/L				129.10%
Pb 220.353	-11.3	-11.4965	15.22732	µg/L				132.45%
Sb 206.831	1.0	-11.9377	10.37532	µg/L				86.91%
Se 196.026	74.2	44.3819	6.78296	µg/L				15.28%
Si 251.611	1160.8	-6.18952	0.933599	µg/L				15.08%
Sn 189.933	-1.5	-1.60965	5.723708	µg/L				355.59%
Sr 407.771	875.1	-2.24062	0.076397	µg/L				3.41%
Ti 334.941	1795.1	-1.34200	0.433662	µg/L				32.31%
Tl 190.800	9.0	-53.6399	15.96430	µg/L				29.76%
V 292.402	-304.2	0.380818	2.7175323	µg/L				713.60%
Zn 206.200	0.5	-1.32278	1.524789	µg/L				115.27%

W

Replicate Data

ID: 1001397-ms1 Date: 2/18/10 10:02:17 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	433429.1	433429.1	99.3	µg/L		
1	Y 360.064	264890.4	264890.4	98.3	µg/L		
1	Ag 328.068	5620.2	5660.2	223.485	µg/L	223.485	µg/L
1	Al 396.140	14798.3	14903.6	1900.24	µg/L	1900.24	µg/L
1	As 188.979	221.0	222.5	1203.99	µg/L	1203.99	µg/L
1	B 249.773	2662.3	2681.2	245.231	µg/L	245.231	µg/L
1	Ba 455.403	165281.1	166457.1	250.690	µg/L	250.690	µg/L
1	Be 234.861	2108.1	2123.1	22.8318	µg/L	22.8318	µg/L
1	Ca 315.887	307043.4	309228.1	29.1388	mg/L	29.1388	mg/L
1	Cd 214.438	1589.2	1600.5	227.988	µg/L	227.988	µg/L
1	Ce 413.765	125.1	126.0	3.94178	µg/L	0.0039418	mg/L
1	Co 228.616	750.4	755.8	230.539	µg/L	230.539	µg/L
1	Cr 205.560	310.2	312.4	225.338	µg/L	225.338	µg/L
1	Cu 327.394	3253.2	3276.3	230.685	µg/L	230.685	µg/L
1	Fe 238.204	2363.9	2380.7	246.659	µg/L	246.659	µg/L
1	K 766.514	40824.0	41114.5	11.7815	mg/L	11.7815	mg/L
1	Li 670.781	36032.4	36288.8	227.817	µg/L	227.817	µg/L
1	Mg 279.074	14688.7	14793.2	11.1712	mg/L	11.1712	mg/L
1	Mn 257.610	17147.0	17269.0	225.492	µg/L	225.492	µg/L
1	Mo 202.031	162.4	163.5	231.541	µg/L	231.541	µg/L
1	Na 589.594	201025.1	202455.4	13.2017	mg/L	13.2017	mg/L
1	Ni 231.603	464.5	467.8	220.987	µg/L	220.987	µg/L
1	Pb 220.353	55.8	56.2	225.136	µg/L	225.136	µg/L
1	Sb 206.831	222.7	224.3	1091.22	µg/L	1091.22	µg/L
1	Se 196.026	228.0	229.6	1194.58	µg/L	1194.58	µg/L
1	Si 251.611	26759.0	26949.3	5374.40	µg/L	5374.40	µg/L
1	Sn 189.933	97.7	98.4	910.152	µg/L	910.152	µg/L
1	Sr 407.771	389584.1	392356.1	277.899	µg/L	277.899	µg/L
1	Ti 334.941	23338.6	23504.6	228.725	µg/L	228.725	µg/L
1	Tl 190.800	199.4	200.8	1083.00	µg/L	1083.00	µg/L
1	V 292.402	3309.4	3332.9	233.961	µg/L	233.961	µg/L
1	Zn 206.200	503.1	506.7	222.517	µg/L	222.517	µg/L
2	Sc 357.253	429567.5	429567.5	98.4	µg/L		
2	Y 360.064	262543.9	262543.9	97.4	µg/L		
2	Ag 328.068	5620.6	5711.5	225.482	µg/L	225.482	µg/L
2	Al 396.140	14923.6	15164.9	1933.85	µg/L	1933.85	µg/L
2	As 188.979	220.8	224.4	1214.45	µg/L	1214.45	µg/L
2	B 249.773	2694.1	2737.7	250.816	µg/L	250.816	µg/L
2	Ba 455.403	166814.0	169511.2	255.571	µg/L	255.571	µg/L
2	Be 234.861	2109.4	2143.5	23.0636	µg/L	23.0636	µg/L
2	Ca 315.887	309895.6	314906.2	29.6741	mg/L	29.6741	mg/L
2	Cd 214.438	1591.8	1617.6	230.498	µg/L	230.498	µg/L
2	Ce 413.765	-38.6	-39.2	-20.8741	µg/L	-0.0208741	mg/L
2	Co 228.616	741.3	753.3	229.798	µg/L	229.798	µg/L
2	Cr 205.560	315.7	320.8	232.852	µg/L	232.852	µg/L
2	Cu 327.394	3335.1	3389.0	238.517	µg/L	238.517	µg/L
2	Fe 238.204	2355.7	2393.8	248.066	µg/L	248.066	µg/L
2	K 766.514	41018.0	41681.2	11.9527	mg/L	11.9527	mg/L
2	Li 670.781	36279.3	36865.8	231.498	µg/L	231.498	µg/L
2	Mg 279.074	14817.6	15057.2	11.3707	mg/L	11.3707	mg/L
2	Mn 257.610	17267.0	17546.2	229.109	µg/L	229.109	µg/L
2	Mo 202.031	157.4	160.0	226.234	µg/L	226.234	µg/L
2	Na 589.594	202314.7	205585.8	13.4091	mg/L	13.4091	mg/L
2	Ni 231.603	466.6	474.1	224.682	µg/L	224.682	µg/L
2	Pb 220.353	50.1	50.9	206.781	µg/L	206.781	µg/L
2	Sb 206.831	224.4	228.0	1109.45	µg/L	1109.45	µg/L
2	Se 196.026	220.5	224.1	1153.73	µg/L	1153.73	µg/L
2	Si 251.611	26938.1	27373.7	5462.94	µg/L	5462.94	µg/L
2	Sn 189.933	100.4	102.1	943.398	µg/L	943.398	µg/L
2	Sr 407.771	393330.9	399690.6	283.148	µg/L	283.148	µg/L
2	Ti 334.941	23466.4	23845.8	232.340	µg/L	232.340	µg/L
2	Tl 190.800	204.9	208.3	1127.02	µg/L	1127.02	µg/L
2	V 292.402	3370.7	3425.2	239.888	µg/L	239.888	µg/L
2	Zn 206.200	508.6	516.8	227.012	µg/L	227.012	µg/L

Mean Data

ID: 1001397-ms1 Seq. No.: 41 Sample No.: 21 A/S Pos: 37
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 10:02:17 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	431498.3	98.9	0.63	µg/L				0.63%
Y 360.064	263717.1	97.8	0.62	µg/L				0.63%
Ag 328.068	5685.9	224.483	1.4124	µg/L	224.483	1.4124	µg/L	0.63%
Al 396.140	15034.3	1917.04	23.770	µg/L	1917.04	23.770	µg/L	1.24%
As 188.979	223.5	1209.22	7.392	µg/L	1209.22	7.392	µg/L	0.61%
B 249.773	2709.4	248.024	3.9492	µg/L	248.024	3.9492	µg/L	1.59%
Ba 455.403	167984.2	253.130	3.4514	µg/L	253.130	3.4514	µg/L	1.36%
Be 234.861	2133.3	22.9477	0.16395	µg/L	22.9477	0.16395	µg/L	0.71%
Ca 315.887	312067.1	29.4065	0.37855	mg/L	29.4065	0.37855	mg/L	1.29%
Cd 214.438	1609.0	229.243	1.7750	µg/L	229.243	1.7750	µg/L	0.77%
Ce 413.765	43.4	-8.46616	17.547476	µg/L	-0.0084662	0.01754748	mg/L	207.27%
Co 228.616	754.5	230.168	0.5240	µg/L	230.168	0.5240	µg/L	0.23%
Cr 205.560	316.6	229.095	5.3133	µg/L	229.095	5.3133	µg/L	2.32%
Cu 327.394	3332.7	234.601	5.5382	µg/L	234.601	5.5382	µg/L	2.36%
Fe 238.204	2387.2	247.363	0.9950	µg/L	247.363	0.9950	µg/L	0.40%
K 766.514	41397.8	11.8671	0.12109	mg/L	11.8671	0.12109	mg/L	1.02%
Li 670.781	36577.3	229.658	2.6024	µg/L	229.658	2.6024	µg/L	1.13%
Mg 279.074	14925.2	11.2709	0.14100	mg/L	11.2709	0.14100	mg/L	1.25%
Mn 257.610	17407.6	227.300	2.5577	µg/L	227.300	2.5577	µg/L	1.13%
Mo 202.031	161.7	228.887	3.7524	µg/L	228.887	3.7524	µg/L	1.64%
Na 589.594	204020.6	13.3054	0.14665	mg/L	13.3054	0.14665	mg/L	1.10%
Ni 231.603	471.0	222.835	2.6127	µg/L	222.835	2.6127	µg/L	1.17%
Pb 220.353	53.6	215.959	12.9792	µg/L	215.959	12.9792	µg/L	6.01%
Sb 206.831	226.2	1100.34	12.886	µg/L	1100.34	12.886	µg/L	1.17%
Se 196.026	226.8	1174.16	28.882	µg/L	1174.16	28.882	µg/L	2.46%
Si 251.611	27161.5	5418.67	62.603	µg/L	5418.67	62.603	µg/L	1.16%
Sn 189.933	100.3	926.775	23.5088	µg/L	926.775	23.5088	µg/L	2.54%
Sr 407.771	396023.3	280.523	3.7112	µg/L	280.523	3.7112	µg/L	1.32%
Ti 334.941	23675.2	230.532	2.5565	µg/L	230.532	2.5565	µg/L	1.11%
Tl 190.800	204.5	1105.01	31.124	µg/L	1105.01	31.124	µg/L	2.82%
V 292.402	3379.1	236.924	4.1909	µg/L	236.924	4.1909	µg/L	1.77%
Zn 206.200	511.8	224.765	3.1784	µg/L	224.765	3.1784	µg/L	1.41%

Replicate Data

ID: 1001397-msd1 Date: 2/18/10 10:05:41 AM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	425517.4	425517.4	97.5	µg/L		
1	Y 360.064	259358.4	259358.4	96.2	µg/L		
1	Ag 328.068	5443.0	5583.7	220.506	µg/L	220.506	µg/L
1	Al 396.140	14227.1	14594.7	1860.50	µg/L	1860.50	µg/L
1	As 188.979	210.6	216.0	1167.33	µg/L	1167.33	µg/L
1	B 249.773	2687.0	2756.5	252.674	µg/L	252.674	µg/L
1	Ba 455.403	159470.8	163591.6	246.110	µg/L	246.110	µg/L
1	Be 234.861	2012.8	2064.8	22.1701	µg/L	22.1701	µg/L
1	Ca 315.887	295782.9	303426.0	28.5918	mg/L	28.5918	mg/L
1	Cd 214.438	1514.9	1554.0	221.170	µg/L	221.170	µg/L
1	Ce 413.765	72.1	74.0	-3.86433	µg/L	-0.0038643	mg/L
1	Co 228.616	697.5	715.5	218.487	µg/L	218.487	µg/L
1	Cr 205.560	307.9	315.9	228.445	µg/L	228.445	µg/L
1	Cu 327.394	3072.1	3151.5	222.010	µg/L	222.010	µg/L
1	Fe 238.204	2258.5	2316.8	239.771	µg/L	239.771	µg/L
1	K 766.514	39190.4	40203.1	11.5061	mg/L	11.5061	mg/L
1	Li 670.781	34619.1	35513.7	222.874	µg/L	222.874	µg/L
1	Mg 279.074	14064.7	14428.1	10.8955	mg/L	10.8955	mg/L
1	Mn 257.610	16425.3	16849.8	220.020	µg/L	220.020	µg/L
1	Mo 202.031	153.5	157.4	222.403	µg/L	222.403	µg/L
1	Na 589.594	193149.9	198141.0	12.9164	mg/L	12.9164	mg/L
1	Ni 231.603	452.6	464.3	218.931	µg/L	218.931	µg/L
1	Pb 220.353	63.6	65.2	256.854	µg/L	256.854	µg/L
1	Sb 206.831	231.7	237.7	1157.23	µg/L	1157.23	µg/L
1	Se 196.026	220.3	226.0	1167.76	µg/L	1167.76	µg/L
1	Si 251.611	35373.0	36287.0	7322.64	µg/L	7322.64	µg/L

1 Sn 189.933	99.3	101.9	941.673 µg/L	941.673 µg/L	
1 Sr 407.771	375351.3	385050.6	272.671 µg/L	272.671 µg/L	
1 Ti 334.941	22476.8	23057.6	223.987 µg/L	223.987 µg/L	
1 Tl 190.800	198.9	204.1	1102.30 µg/L	1102.30 µg/L	
1 V 292.402	3186.7	3269.0	229.856 µg/L	229.856 µg/L	
1 Zn 206.200	519.0	532.4	233.900 µg/L	233.900 µg/L	
2 Sc 357.253	426758.0	426758.0	97.8 µg/L		
2 Y 360.064	260507.0	260507.0	96.6 µg/L		
2 Ag 328.068	5439.2	5563.6	219.722 µg/L	219.722 µg/L	
2 Al 396.140	14385.6	14714.5	1875.91 µg/L	1875.91 µg/L	
2 As 188.979	200.3	204.9	1104.64 µg/L	1104.64 µg/L	
2 B 249.773	2705.3	2767.1	253.730 µg/L	253.730 µg/L	
2 Ba 455.403	161459.1	165149.8	248.600 µg/L	248.600 µg/L	
2 Be 234.861	2055.0	2102.0	22.5920 µg/L	22.5920 µg/L	
2 Ca 315.887	299273.5	306114.4	28.8453 mg/L	28.8453 mg/L	
2 Cd 214.438	1537.5	1572.6	223.901 µg/L	223.901 µg/L	
2 Ce 413.765	45.6	46.7	-7.96905 µg/L	-0.0079690 mg/L	
2 Co 228.616	704.8	720.9	220.103 µg/L	220.103 µg/L	
2 Cr 205.560	300.9	307.7	221.216 µg/L	221.216 µg/L	
2 Cu 327.394	3165.1	3237.5	227.988 µg/L	227.988 µg/L	
2 Fe 238.204	2339.9	2393.4	248.027 µg/L	248.027 µg/L	
2 K 766.514	39732.9	40641.1	11.6384 mg/L	11.6384 mg/L	
2 Li 670.781	35088.2	35890.3	225.276 µg/L	225.276 µg/L	
2 Mg 279.074	14213.0	14537.9	10.9784 mg/L	10.9784 mg/L	
2 Mn 257.610	16595.0	16974.4	221.646 µg/L	221.646 µg/L	
2 Mo 202.031	154.7	158.2	223.560 µg/L	223.560 µg/L	
2 Na 589.594	195419.8	199886.7	13.0316 mg/L	13.0316 mg/L	
2 Ni 231.603	476.0	486.9	232.168 µg/L	232.168 µg/L	
2 Pb 220.353	56.2	57.5	229.925 µg/L	229.925 µg/L	
2 Sb 206.831	226.9	232.1	1129.45 µg/L	1129.45 µg/L	
2 Se 196.026	206.7	211.4	1060.15 µg/L	1060.15 µg/L	
2 Si 251.611	35595.1	36408.7	7348.03 µg/L	7348.03 µg/L	
2 Sn 189.933	100.4	102.7	948.715 µg/L	948.715 µg/L	
2 Sr 407.771	379770.5	388451.4	275.105 µg/L	275.105 µg/L	
2 Ti 334.941	22617.6	23134.6	224.803 µg/L	224.803 µg/L	
2 Tl 190.800	210.8	215.6	1170.68 µg/L	1170.68 µg/L	
2 V 292.402	3181.8	3254.5	228.923 µg/L	228.923 µg/L	
2 Zn 206.200	510.3	522.0	229.295 µg/L	229.295 µg/L	

Mean Data ----------

ID: 1001397-msd1 Seq. No.: 42 Sample No.: 22 A/S Pos: 38

Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0

Data: Original Date: 2/18/10 10:05:41 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	426137.7	97.6	0.20	µg/L				0.21%
Y 360.064	259932.7	96.4	0.30	µg/L				0.31%
Ag 328.068	5573.6	220.114	0.5541	µg/L	220.114	0.5541	µg/L	0.25%
Al 396.140	14654.6	1868.20	10.894	µg/L	1868.20	10.894	µg/L	0.58%
As 188.979	210.4	1135.99	44.334	µg/L	1135.99	44.334	µg/L	3.90%
B 249.773	2761.8	253.202	0.7468	µg/L	253.202	0.7468	µg/L	0.29%
Ba 455.403	164370.7	247.355	1.7608	µg/L	247.355	1.7608	µg/L	0.71%
Be 234.861	2083.4	22.3811	0.29834	µg/L	22.3811	0.29834	µg/L	1.33%
Ca 315.887	304770.2	28.7185	0.17922	mg/L	28.7185	0.17922	mg/L	0.62%
Cd 214.438	1563.3	222.535	1.9307	µg/L	222.535	1.9307	µg/L	0.87%
Ce 413.765	60.3	-5.91669	2.902479	µg/L	-0.0059167	0.00290248	mg/L	49.06%
Co 228.616	718.2	219.295	1.1426	µg/L	219.295	1.1426	µg/L	0.52%
Cr 205.560	311.8	224.830	5.1117	µg/L	224.830	5.1117	µg/L	2.27%
Cu 327.394	3194.5	224.999	4.2268	µg/L	224.999	4.2268	µg/L	1.88%
Fe 238.204	2355.1	243.899	5.8378	µg/L	243.899	5.8378	µg/L	2.39%
K 766.514	40422.1	11.5723	0.09358	mg/L	11.5723	0.09358	mg/L	0.81%
Li 670.781	35702.0	224.075	1.6982	µg/L	224.075	1.6982	µg/L	0.76%
Mg 279.074	14483.0	10.9370	0.05867	mg/L	10.9370	0.05867	mg/L	0.54%
Mn 257.610	16912.1	220.833	1.1497	µg/L	220.833	1.1497	µg/L	0.52%
Mo 202.031	157.8	222.982	0.8178	µg/L	222.982	0.8178	µg/L	0.37%
Na 589.594	199013.9	12.9740	0.08142	mg/L	12.9740	0.08142	mg/L	0.63%
Ni 231.603	475.6	225.550	9.3596	µg/L	225.550	9.3596	µg/L	4.15%
Pb 220.353	61.4	243.390	19.0411	µg/L	243.390	19.0411	µg/L	7.82%
Sb 206.831	234.9	1143.34	19.644	µg/L	1143.34	19.644	µg/L	1.72%
Se 196.026	218.7	1113.96	76.091	µg/L	1113.96	76.091	µg/L	6.83%

Si 251.611	36347.9	7335.34	17.949 µg/L	7335.34	17.949 µg/L	0.24%
Sn 189.933	102.3	945.194	4.9792 µg/L	945.194	4.9792 µg/L	0.53%
Sr 407.771	386751.0	273.888	1.7208 µg/L	273.888	1.7208 µg/L	0.63%
Ti 334.941	23096.1	224.395	0.5773 µg/L	224.395	0.5773 µg/L	0.26%
Tl 190.800	209.9	1136.49	48.354 µg/L	1136.49	48.354 µg/L	4.25%
V 292.402	3261.7	229.389	0.6599 µg/L	229.389	0.6599 µg/L	0.29%
Zn 206.200	527.2	231.597	3.2567 µg/L	231.597	3.2567 µg/L	1.41%

Replicate Data ----------

ID: 0b18004-srd1 Date: 2/18/10 10:09:04 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	419931.5	419931.5	96.2	µg/L		
1	Y 360.064	257259.0	257259.0	95.4	µg/L		
1	Ag 328.068	-187.9	-195.3	-4.48829	µg/L	-22.4415	µg/L
1	Al 396.140	1224.0	1272.4	146.720	µg/L	733.602	µg/L
1	As 188.979	3.7	3.8	-26.2085	µg/L	-131.043	µg/L
1	B 249.773	223.8	232.6	3.05733	µg/L	15.2866	µg/L
1	Ba 455.403	11543.5	11999.3	3.83371	µg/L	19.1686	µg/L
1	Be 234.861	97.1	101.0	-0.136314	µg/L	-0.681571	µg/L
1	Ca 315.887	39474.8	41033.5	3.85431	mg/L	19.2715	mg/L
1	Cd 214.438	45.9	47.7	0.146037	µg/L	0.730186	µg/L
1	Ce 413.765	-32.4	-33.7	-20.0455	µg/L	-0.100227	mg/L
1	Co 228.616	-18.4	-19.1	-1.40071	µg/L	-7.00354	µg/L
1	Cr 205.560	57.1	59.3	0.0930894	µg/L	0.465447	µg/L
1	Cu 327.394	23.8	24.8	4.72558	µg/L	23.6279	µg/L
1	Fe 238.204	139.5	145.0	5.64299	µg/L	28.2150	µg/L
1	K 766.514	2409.2	2504.3	0.116171	mg/L	0.580855	mg/L
1	Li 670.781	264.4	274.9	-1.87458	µg/L	-9.37288	µg/L
1	Mg 279.074	101.9	105.9	0.0771516	mg/L	0.385758	mg/L
1	Mn 257.610	-181.2	-188.3	-2.33882	µg/L	-11.6941	µg/L
1	Mo 202.031	16.2	16.8	10.6316	µg/L	53.1579	µg/L
1	Na 589.594	8437.6	8770.8	0.371348	mg/L	1.85674	mg/L
1	Ni 231.603	83.1	86.4	-2.87135	µg/L	-14.3567	µg/L
1	Pb 220.353	-11.3	-11.7	-13.1876	µg/L	-65.9381	µg/L
1	Sb 206.831	-8.0	-8.3	-57.9638	µg/L	-289.819	µg/L
1	Se 196.026	71.7	74.6	47.2690	µg/L	236.345	µg/L
1	Si 251.611	5972.6	6208.4	1046.96	µg/L	5234.78	µg/L
1	Sn 189.933	-1.6	-1.7	-2.61360	µg/L	-13.0680	µg/L
1	Sr 407.771	16318.6	16962.9	9.27170	µg/L	46.3585	µg/L
1	Ti 334.941	1694.8	1761.7	-1.69585	µg/L	-8.47926	µg/L
1	Tl 190.800	22.2	23.0	29.5204	µg/L	147.602	µg/L
1	V 292.402	-190.0	-197.5	7.23579	µg/L	36.1790	µg/L
1	Zn 206.200	-10.0	-10.4	-6.17361	µg/L	-30.8681	µg/L
2	Sc 357.253	417287.6	417287.6	95.6	µg/L		
2	Y 360.064	255477.9	255477.9	94.8	µg/L		
2	Ag 328.068	-134.3	-140.5	-2.35220	µg/L	-11.7610	µg/L
2	Al 396.140	1186.8	1241.4	142.740	µg/L	713.698	µg/L
2	As 188.979	5.7	6.0	-13.9368	µg/L	-69.6841	µg/L
2	B 249.773	207.4	216.9	1.50253	µg/L	7.51266	µg/L
2	Ba 455.403	11470.1	11998.6	3.83264	µg/L	19.1632	µg/L
2	Be 234.861	103.3	108.1	-0.0555246	µg/L	-0.277623	µg/L
2	Ca 315.887	40018.9	41862.6	3.93247	mg/L	19.6624	mg/L
2	Cd 214.438	45.5	47.6	0.140890	µg/L	0.704449	µg/L
2	Ce 413.765	188.7	197.4	14.6711	µg/L	0.0733555	mg/L
2	Co 228.616	-0.0	-0.0	4.31172	µg/L	21.5586	µg/L
2	Cr 205.560	54.2	56.7	-2.29278	µg/L	-11.4639	µg/L
2	Cu 327.394	0.1	0.2	3.01366	µg/L	15.0683	µg/L
2	Fe 238.204	172.6	180.6	9.47417	µg/L	47.3708	µg/L
2	K 766.514	2285.5	2390.8	0.0818750	mg/L	0.409375	mg/L
2	Li 670.781	329.2	344.3	-1.43148	µg/L	-7.15740	µg/L
2	Mg 279.074	117.3	122.7	0.0898450	mg/L	0.449225	mg/L
2	Mn 257.610	-207.5	-217.1	-2.71423	µg/L	-13.5712	µg/L
2	Mo 202.031	6.7	7.0	-4.15167	µg/L	-20.7583	µg/L
2	Na 589.594	8650.7	9049.2	0.389792	mg/L	1.94896	mg/L
2	Ni 231.603	73.5	76.8	-8.44927	µg/L	-42.2463	µg/L
2	Pb 220.353	-9.8	-10.2	-7.85681	µg/L	-39.2841	µg/L
2	Sb 206.831	-5.2	-5.4	-43.9622	µg/L	-219.811	µg/L
2	Se 196.026	71.6	74.9	49.6792	µg/L	248.396	µg/L

2 Si 251.611	6072.8	6352.5	1077.03 µg/L	5385.16 µg/L	
2 Sn 189.933	-2.7	-2.8	-13.4348 µg/L	-67.1739 µg/L	
2 Sr 407.771	16553.9	17316.6	9.52479 µg/L	47.6240 µg/L	
2 Ti 334.941	1732.5	1812.3	-1.16004 µg/L	-5.80022 µg/L	
2 Tl 190.800	23.0	24.0	35.3347 µg/L	176.674 µg/L	
2 V 292.402	-301.1	-315.0	-0.309825 µg/L	-1.54912 µg/L	
2 Zn 206.200	-3.8	-4.0	-3.34399 µg/L	-16.7200 µg/L	

Mean Data

ID: 0b18004-srd1 Seq. No.: 43 Sample No.: 23 A/S Pos: 39
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 5.0
Data: Original Date: 2/18/10 10:09:04 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	418609.6	95.9	0.43	µg/L				0.45%
Y 360.064	256368.5	95.1	0.47	µg/L				0.49%
Ag 328.068	-167.9	-3.42024	1.510448	µg/L	-17.1012	7.55224	µg/L	44.16%
Al 396.140	1256.9	144.730	2.8149	µg/L	723.650	14.0743	µg/L	1.94%
As 188.979	4.9	-20.0727	8.67741	µg/L	-100.363	43.3870	µg/L	43.23%
B 249.773	224.8	2.27993	1.099406	µg/L	11.3996	5.49703	µg/L	48.22%
Ba 455.403	11998.9	3.83318	0.000756	µg/L	19.1659	0.00378	µg/L	0.02%
Be 234.861	104.5	-0.0959194	0.05712689	µg/L	-0.479597	0.2856344	µg/L	59.56%
Ca 315.887	41448.1	3.89339	0.055271	mg/L	19.4669	0.27636	mg/L	1.42%
Cd 214.438	47.7	0.143464	0.0036398	µg/L	0.717318	0.0181990	µg/L	2.54%
Ce 413.765	81.8	-2.68720	24.548339	µg/L	-0.0134360	0.12274170	mg/L	913.53%
Co 228.616	-9.6	1.45551	4.039299	µg/L	7.27754	20.196496	µg/L	277.52%
Cr 205.560	58.0	-1.09984	1.687062	µg/L	-5.49922	8.435309	µg/L	153.39%
Cu 327.394	12.5	3.86962	1.210507	µg/L	19.3481	6.05253	µg/L	31.28%
Fe 238.204	162.8	7.55858	2.709051	µg/L	37.7929	13.54525	µg/L	35.84%
K 766.514	2447.6	0.0990230	0.02425098	mg/L	0.495115	0.1212549	mg/L	24.49%
Li 670.781	309.6	-1.65303	0.313317	µg/L	-8.26514	1.566583	µg/L	18.95%
Mg 279.074	114.3	0.0834983	0.00897556	mg/L	0.417492	0.0448778	mg/L	10.75%
Mn 257.610	-202.7	-2.52652	0.265459	µg/L	-12.6326	1.32730	µg/L	10.51%
Mo 202.031	11.9	3.23995	10.453328	µg/L	16.1998	52.26664	µg/L	322.64%
Na 589.594	8910.0	0.380570	0.0130415	mg/L	1.90285	0.065207	mg/L	3.43%
Ni 231.603	81.6	-5.66031	3.944183	µg/L	-28.3015	19.72091	µg/L	69.68%
Pb 220.353	-11.0	-10.5222	3.76945	µg/L	-52.6111	18.84727	µg/L	35.82%
Sb 206.831	-6.9	-50.9630	9.90062	µg/L	-254.815	49.5031	µg/L	19.43%
Se 196.026	74.7	48.4741	1.70432	µg/L	242.370	8.5216	µg/L	3.52%
Si 251.611	6280.5	1061.99	21.268	µg/L	5309.97	106.338	µg/L	2.00%
Sn 189.933	-2.3	-8.02419	7.651732	µg/L	-40.1209	38.25866	µg/L	95.36%
Sr 407.771	17139.8	9.39825	0.178962	µg/L	46.9912	0.89481	µg/L	1.90%
Ti 334.941	1787.0	-1.42795	0.378873	µg/L	-7.13974	1.894366	µg/L	26.53%
Tl 190.800	23.5	32.4276	4.11131	µg/L	162.138	20.5565	µg/L	12.68%
V 292.402	-256.2	3.46298	5.335557	µg/L	17.3149	26.67779	µg/L	154.07%
Zn 206.200	-7.2	-4.75880	2.000843	µg/L	-23.7940	10.00422	µg/L	42.05%

Replicate Data

ID: 1001397-ps1 Date: 2/18/10 10:12:28 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	438810.3	438810.3	100.5	µg/L		
1	Y 360.064	268104.4	268104.4	99.4	µg/L		
1	Ag 328.068	5903.8	5872.9	231.765	µg/L	231.765	µg/L
1	Al 396.140	15724.1	15641.8	1995.19	µg/L	1995.19	µg/L
1	As 188.979	226.8	225.6	1221.53	µg/L	1221.53	µg/L
1	B 249.773	2864.4	2849.4	261.862	µg/L	261.862	µg/L
1	Ba 455.403	175795.1	174874.8	264.143	µg/L	264.143	µg/L
1	Be 234.861	2227.2	2215.5	23.8818	µg/L	23.8818	µg/L
1	Ca 315.887	326471.7	324762.5	30.6033	mg/L	30.6033	mg/L
1	Cd 214.438	1685.2	1676.3	239.118	µg/L	239.118	µg/L
1	Ce 413.765	135.8	135.1	5.30628	µg/L	0.0053063	mg/L
1	Co 228.616	796.4	792.3	241.460	µg/L	241.460	µg/L
1	Cr 205.560	324.4	322.7	234.514	µg/L	234.514	µg/L
1	Cu 327.394	3536.3	3517.8	247.466	µg/L	247.466	µg/L
1	Fe 238.204	2526.9	2513.7	260.992	µg/L	260.992	µg/L
1	K 766.514	43927.1	43697.1	12.5617	mg/L	12.5617	mg/L
1	Li 670.781	38476.6	38275.2	240.486	µg/L	240.486	µg/L
1	Mg 279.074	15586.7	15505.1	11.7090	mg/L	11.7090	mg/L

1 Mn 257.610	18349.2	18253.2	238.336 µg/L	238.336 µg/L	
1 Mo 202.031	169.9	169.0	239.849 µg/L	239.849 µg/L	
1 Na 589.594	214505.6	213382.6	13.9256 mg/L	13.9256 mg/L	
1 Ni 231.603	493.9	491.3	234.755 µg/L	234.755 µg/L	
1 Pb 220.353	59.6	59.3	236.233 µg/L	236.233 µg/L	
1 Sb 206.831	258.1	256.7	1251.23 µg/L	1251.23 µg/L	
1 Se 196.026	238.8	237.5	1253.16 µg/L	1253.16 µg/L	
1 Si 251.611	32071.4	31903.5	6408.05 µg/L	6408.05 µg/L	
1 Sn 189.933	104.8	104.3	963.466 µg/L	963.466 µg/L	
1 Sr 407.771	415783.4	413606.7	293.106 µg/L	293.106 µg/L	
1 Ti 334.941	24707.3	24578.0	240.100 µg/L	240.100 µg/L	
1 Tl 190.800	225.5	224.4	1222.43 µg/L	1222.43 µg/L	
1 V 292.402	3627.4	3608.4	251.651 µg/L	251.651 µg/L	
1 Zn 206.200	554.2	551.3	242.262 µg/L	242.262 µg/L	
2 Sc 357.253	436517.0	436517.0	100.0 µg/L		
2 Y 360.064	266723.0	266723.0	98.9 µg/L		
2 Ag 328.068	5880.0	5879.9	232.039 µg/L	232.039 µg/L	
2 Al 396.140	15735.2	15735.1	2007.20 µg/L	2007.20 µg/L	
2 As 188.979	229.7	229.7	1244.38 µg/L	1244.38 µg/L	
2 B 249.773	2919.2	2919.2	268.771 µg/L	268.771 µg/L	
2 Ba 455.403	176235.9	176234.3	266.316 µg/L	266.316 µg/L	
2 Be 234.861	2234.0	2234.0	24.0910 µg/L	24.0910 µg/L	
2 Ca 315.887	327649.9	327646.9	30.8752 mg/L	30.8752 mg/L	
2 Cd 214.438	1697.6	1697.5	242.230 µg/L	242.230 µg/L	
2 Ce 413.765	19.0	19.0	-12.1275 µg/L	-0.0121275 mg/L	
2 Co 228.616	797.1	797.1	242.903 µg/L	242.903 µg/L	
2 Cr 205.560	337.8	337.8	248.013 µg/L	248.013 µg/L	
2 Cu 327.394	3451.6	3451.5	242.863 µg/L	242.863 µg/L	
2 Fe 238.204	2514.5	2514.5	261.076 µg/L	261.076 µg/L	
2 K 766.514	43990.3	43989.9	12.6502 mg/L	12.6502 mg/L	
2 Li 670.781	38778.2	38777.8	243.692 µg/L	243.692 µg/L	
2 Mg 279.074	15645.2	15645.0	11.8147 mg/L	11.8147 mg/L	
2 Mn 257.610	18378.4	18378.3	239.968 µg/L	239.968 µg/L	
2 Mo 202.031	172.3	172.3	244.726 µg/L	244.726 µg/L	
2 Na 589.594	214983.0	214981.0	14.0314 mg/L	14.0314 mg/L	
2 Ni 231.603	509.4	509.4	245.363 µg/L	245.363 µg/L	
2 Pb 220.353	54.1	54.1	217.868 µg/L	217.868 µg/L	
2 Sb 206.831	241.7	241.7	1177.26 µg/L	1177.26 µg/L	
2 Se 196.026	230.0	230.0	1197.30 µg/L	1197.30 µg/L	
2 Si 251.611	32241.4	32241.1	6478.50 µg/L	6478.50 µg/L	
2 Sn 189.933	107.4	107.4	992.218 µg/L	992.218 µg/L	
2 Sr 407.771	417401.1	417397.3	295.818 µg/L	295.818 µg/L	
2 Ti 334.941	24752.9	24752.7	241.951 µg/L	241.951 µg/L	
2 Tl 190.800	217.7	217.7	1183.21 µg/L	1183.21 µg/L	
2 V 292.402	3602.5	3602.5	251.271 µg/L	251.271 µg/L	
2 Zn 206.200	548.0	548.0	240.806 µg/L	240.806 µg/L	

Mean Data ----------

ID: 1001397-ps1 Seq. No.: 44 Sample No.: 24 A/S Pos: 40

Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0

Data: Original Date: 2/18/10 10:12:28 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	437663.7	100.3	0.37	µg/L				0.37%
Y 360.064	267413.7	99.2	0.36	µg/L				0.37%
Ag 328.068	5876.4	231.902	0.1938	µg/L	231.902	0.1938	µg/L	0.08%
Al 396.140	15688.4	2001.20	8.489	µg/L	2001.20	8.489	µg/L	0.42%
As 188.979	227.7	1232.95	16.159	µg/L	1232.95	16.159	µg/L	1.31%
B 249.773	2884.3	265.317	4.8854	µg/L	265.317	4.8854	µg/L	1.84%
Ba 455.403	175554.6	265.230	1.5364	µg/L	265.230	1.5364	µg/L	0.58%
Be 234.861	2224.7	23.9864	0.14793	µg/L	23.9864	0.14793	µg/L	0.62%
Ca 315.887	326204.7	30.7393	0.19228	mg/L	30.7393	0.19228	mg/L	0.63%
Cd 214.438	1686.9	240.674	2.2000	µg/L	240.674	2.2000	µg/L	0.91%
Ce 413.765	77.0	-3.41059	12.327513	µg/L	-0.0034106	0.01232751	mg/L	361.45%
Co 228.616	794.7	242.182	1.0199	µg/L	242.182	1.0199	µg/L	0.42%
Cr 205.560	330.3	241.263	9.5452	µg/L	241.263	9.5452	µg/L	3.96%
Cu 327.394	3484.7	245.165	3.2555	µg/L	245.165	3.2555	µg/L	1.33%
Fe 238.204	2514.1	261.034	0.0596	µg/L	261.034	0.0596	µg/L	0.02%
K 766.514	43843.5	12.6060	0.06256	mg/L	12.6060	0.06256	mg/L	0.50%
Li 670.781	38526.5	242.089	2.2668	µg/L	242.089	2.2668	µg/L	0.94%

Mg 279.074	15575.1	11.7618	0.07473 mg/L	11.7618	0.07473 mg/L	0.64%
Mn 257.610	18315.7	239.152	1.1545 µg/L	239.152	1.1545 µg/L	0.48%
Mo 202.031	170.6	242.288	3.4485 µg/L	242.288	3.4485 µg/L	1.42%
Na 589.594	214181.8	13.9785	0.07487 mg/L	13.9785	0.07487 mg/L	0.54%
Ni 231.603	500.3	240.059	7.5013 µg/L	240.059	7.5013 µg/L	3.12%
Pb 220.353	56.7	227.050	12.9857 µg/L	227.050	12.9857 µg/L	5.72%
Sb 206.831	249.2	1214.25	52.305 µg/L	1214.25	52.305 µg/L	4.31%
Se 196.026	233.7	1225.23	39.501 µg/L	1225.23	39.501 µg/L	3.22%
Si 251.611	32072.3	6443.27	49.812 µg/L	6443.27	49.812 µg/L	0.77%
Sn 189.933	105.9	977.842	20.3308 µg/L	977.842	20.3308 µg/L	2.08%
Sr 407.771	415502.0	294.462	1.9180 µg/L	294.462	1.9180 µg/L	0.65%
Ti 334.941	24665.3	241.025	1.3092 µg/L	241.025	1.3092 µg/L	0.54%
Tl 190.800	221.1	1202.82	27.736 µg/L	1202.82	27.736 µg/L	2.31%
V 292.402	3605.4	251.461	0.2689 µg/L	251.461	0.2689 µg/L	0.11%
Zn 206.200	549.7	241.534	1.0297 µg/L	241.534	1.0297 µg/L	0.43%

Replicate Data ----------

ID: 1001398-blk1 Date: 2/18/10 10:15:51 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	436862.3	436862.3	100.1	µg/L		
1	Y 360.064	267491.3	267491.3	99.2	µg/L		
1	Ag 328.068	-134.4	-134.3	-2.11301	µg/L	-2.11301	µg/L
1	Al 396.140	-103.2	-103.1	-30.2171	µg/L	-30.2171	µg/L
1	As 188.979	5.8	5.8	-15.1656	µg/L	-15.1656	µg/L
1	B 249.773	5249.2	5245.0	498.795	µg/L	498.795	µg/L
1	Ba 455.403	9844.2	9836.3	0.376869	µg/L	0.376869	µg/L
1	Be 234.861	87.7	87.6	-0.288245	µg/L	-0.288245	µg/L
1	Ca 315.887	695.3	694.8	0.0513290	mg/L	0.0513290	mg/L
1	Cd 214.438	55.7	55.7	1.32011	µg/L	1.32011	µg/L
1	Ce 413.765	86.5	86.4	-1.99757	µg/L	-0.0019976	mg/L
1	Co 228.616	-9.4	-9.4	1.51228	µg/L	1.51228	µg/L
1	Cr 205.560	61.9	61.9	2.34116	µg/L	2.34116	µg/L
1	Cu 327.394	-33.0	-33.0	0.711665	µg/L	0.711665	µg/L
1	Fe 238.204	159.9	159.7	7.23058	µg/L	7.23058	µg/L
1	K 766.514	2239.5	2237.7	0.0354982	mg/L	0.0354982	mg/L
1	Li 670.781	378.3	378.0	-1.21658	µg/L	-1.21658	µg/L
1	Mg 279.074	21.8	21.8	0.0136297	mg/L	0.0136297	mg/L
1	Mn 257.610	-6.3	-6.3	0.0371509	µg/L	0.0371509	µg/L
1	Mo 202.031	10.6	10.6	1.29014	µg/L	1.29014	µg/L
1	Na 589.594	72300.6	72242.8	4.57543	mg/L	4.57543	mg/L
1	Ni 231.603	78.3	78.3	-7.61185	µg/L	-7.61185	µg/L
1	Pb 220.353	-9.3	-9.2	-4.46244	µg/L	-4.46244	µg/L
1	Sb 206.831	2.2	2.2	-6.12610	µg/L	-6.12610	µg/L
1	Se 196.026	70.5	70.5	16.9448	µg/L	16.9448	µg/L
1	Si 251.611	3212.1	3209.5	421.269	µg/L	421.269	µg/L
1	Sn 189.933	-2.0	-2.0	-5.50467	µg/L	-5.50467	µg/L
1	Sr 407.771	903.1	902.4	-2.22105	µg/L	-2.22105	µg/L
1	Ti 334.941	1700.5	1699.1	-2.35941	µg/L	-2.35941	µg/L
1	Tl 190.800	14.4	14.4	-21.9789	µg/L	-21.9789	µg/L
1	V 292.402	-242.6	-242.4	4.35086	µg/L	4.35086	µg/L
1	Zn 206.200	12.4	12.4	3.91674	µg/L	3.91674	µg/L
2	Sc 357.253	433468.8	433468.8	99.3	µg/L		
2	Y 360.064	265612.8	265612.8	98.5	µg/L		
2	Ag 328.068	-91.7	-92.3	-0.477266	µg/L	-0.477266	µg/L
2	Al 396.140	-61.9	-62.3	-24.9760	µg/L	-24.9760	µg/L
2	As 188.979	14.8	14.9	36.3792	µg/L	36.3792	µg/L
2	B 249.773	5356.3	5393.9	513.524	µg/L	513.524	µg/L
2	Ba 455.403	9818.8	9887.8	0.459072	µg/L	0.459072	µg/L
2	Be 234.861	130.6	131.5	0.210464	µg/L	0.210464	µg/L
2	Ca 315.887	774.2	779.7	0.0593305	mg/L	0.0593305	mg/L
2	Cd 214.438	41.4	41.7	-0.732820	µg/L	-0.732820	µg/L
2	Ce 413.765	156.2	157.3	8.64492	µg/L	0.0086449	mg/L
2	Co 228.616	-10.3	-10.4	1.21508	µg/L	1.21508	µg/L
2	Cr 205.560	65.0	65.4	5.52058	µg/L	5.52058	µg/L
2	Cu 327.394	-7.4	-7.5	2.48296	µg/L	2.48296	µg/L
2	Fe 238.204	162.2	163.3	7.61678	µg/L	7.61678	µg/L
2	K 766.514	2371.3	2387.9	0.0808865	mg/L	0.0808865	mg/L
2	Li 670.781	428.6	431.6	-0.874844	µg/L	-0.874844	µg/L

2 Mg 279.074	65.7	66.2	0.0471681 mg/L	0.0471681 mg/L	
2 Mn 257.610	-0.8	-0.8	0.108464 µg/L	0.108464 µg/L	
2 Mo 202.031	4.5	4.6	-7.79788 µg/L	-7.79788 µg/L	
2 Na 589.594	72815.7	73327.0	4.64724 mg/L	4.64724 mg/L	
2 Ni 231.603	101.3	102.0	6.30433 µg/L	6.30433 µg/L	
2 Pb 220.353	-8.3	-8.4	-1.34961 µg/L	-1.34961 µg/L	
2 Sb 206.831	-2.9	-3.0	-31.6967 µg/L	-31.6967 µg/L	
2 Se 196.026	60.4	60.8	-54.6180 µg/L	-54.6180 µg/L	
2 Si 251.611	3210.3	3232.9	426.134 µg/L	426.134 µg/L	
2 Sn 189.933	-3.1	-3.1	-16.0769 µg/L	-16.0769 µg/L	
2 Sr 407.771	849.1	855.0	-2.25496 µg/L	-2.25496 µg/L	
2 Ti 334.941	1744.2	1756.5	-1.75156 µg/L	-1.75156 µg/L	
2 Tl 190.800	11.5	11.6	-38.2768 µg/L	-38.2768 µg/L	
2 V 292.402	-302.0	-304.1	0.386607 µg/L	0.386607 µg/L	
2 Zn 206.200	17.9	18.0	6.40517 µg/L	6.40517 µg/L	

Mean Data

ID: 1001398-blk1 Seq. No.: 45 Sample No.: 25 A/S Pos: 41
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 10:15:51 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	435165.5	99.7	0.55	µg/L				0.55%
Y 360.064	266552.1	98.9	0.49	µg/L				0.50%
Ag 328.068	-113.3	-1.29514	1.156644	µg/L	-1.29514	1.156644	µg/L	89.31%
Al 396.140	-82.7	-27.5965	3.70606	µg/L	-27.5965	3.70606	µg/L	13.43%
As 188.979	10.4	10.6068	36.44770	µg/L	10.6068	36.44770	µg/L	343.63%
B 249.773	5319.4	506.160	10.4154	µg/L	506.160	10.4154	µg/L	2.06%
Ba 455.403	9862.0	0.417971	0.0581266	µg/L	0.417971	0.0581266	µg/L	13.91%
Be 234.861	109.6	-0.0388906	0.35264034	µg/L	-0.0388906	0.35264034	µg/L	906.75%
Ca 315.887	737.2	0.0553298	0.00565790	mg/L	0.0553298	0.00565790	mg/L	10.23%
Cd 214.438	48.7	0.293643	1.4516378	µg/L	0.293643	1.4516378	µg/L	494.35%
Ce 413.765	121.9	3.32368	7.525379	µg/L	0.0033237	0.00752538	mg/L	226.42%
Co 228.616	-9.9	1.36368	0.210156	µg/L	1.36368	0.210156	µg/L	15.41%
Cr 205.560	63.6	3.93087	2.248187	µg/L	3.93087	2.248187	µg/L	57.19%
Cu 327.394	-20.2	1.59731	1.252493	µg/L	1.59731	1.252493	µg/L	78.41%
Fe 238.204	161.5	7.42368	0.273086	µg/L	7.42368	0.273086	µg/L	3.68%
K 766.514	2312.8	0.0581923	0.03209435	mg/L	0.0581923	0.03209435	mg/L	55.15%
Li 670.781	404.8	-1.04571	0.241645	µg/L	-1.04571	0.241645	µg/L	23.11%
Mg 279.074	44.0	0.0303989	0.02371526	mg/L	0.0303989	0.02371526	mg/L	78.01%
Mn 257.610	-3.5	0.0728075	0.05042603	µg/L	0.0728075	0.05042603	µg/L	69.26%
Mo 202.031	7.6	-3.25387	6.426197	µg/L	-3.25387	6.426197	µg/L	197.49%
Na 589.594	72784.9	4.61133	0.050780	mg/L	4.61133	0.050780	mg/L	1.10%
Ni 231.603	90.1	-0.653760	9.8402234	µg/L	-0.653760	9.8402234	µg/L	>999.9%
Pb 220.353	-8.8	-2.90602	2.201100	µg/L	-2.90602	2.201100	µg/L	75.74%
Sb 206.831	-0.4	-18.9114	18.08114	µg/L	-18.9114	18.08114	µg/L	95.61%
Se 196.026	65.6	-18.8366	50.60255	µg/L	-18.8366	50.60255	µg/L	268.64%
Si 251.611	3221.2	423.702	3.4401	µg/L	423.702	3.4401	µg/L	0.81%
Sn 189.933	-2.6	-10.7908	7.47567	µg/L	-10.7908	7.47567	µg/L	69.28%
Sr 407.771	878.7	-2.23800	0.023973	µg/L	-2.23800	0.023973	µg/L	1.07%
Ti 334.941	1727.8	-2.05548	0.429820	µg/L	-2.05548	0.429820	µg/L	20.91%
Tl 190.800	13.0	-30.1278	11.52439	µg/L	-30.1278	11.52439	µg/L	38.25%
V 292.402	-273.3	2.36873	2.803151	µg/L	2.36873	2.803151	µg/L	118.34%
Zn 206.200	15.2	5.16095	1.759588	µg/L	5.16095	1.759588	µg/L	34.09%

Replicate Data

ID: 1001398-bs1 Date: 2/18/10 10:19:16 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	423932.6	423932.6	97.1	µg/L		
1	Y 360.064	259202.7	259202.7	96.1	µg/L		
1	Ag 328.068	5688.8	5857.6	231.171	µg/L	231.171	µg/L
1	Al 396.140	8975.7	9242.0	1171.93	µg/L	1171.93	µg/L
1	As 188.979	210.1	216.3	1168.94	µg/L	1168.94	µg/L
1	B 249.773	7611.2	7837.1	755.166	µg/L	755.166	µg/L
1	Ba 455.403	156307.9	160946.4	241.883	µg/L	241.883	µg/L
1	Be 234.861	2150.5	2214.3	23.8678	µg/L	23.8678	µg/L
1	Ca 315.887	124477.8	128171.7	12.0695	mg/L	12.0695	mg/L
1	Cd 214.438	1631.0	1679.4	239.561	µg/L	239.561	µg/L

1 Ce 413.765	74.0	76.1	-3.54200 µg/L	-0.0035420 mg/L	
1 Co 228.616	768.0	790.8	241.018 µg/L	241.018 µg/L	
1 Cr 205.560	319.1	328.5	239.726 µg/L	239.726 µg/L	
1 Cu 327.394	3351.6	3451.1	242.832 µg/L	242.832 µg/L	
1 Fe 238.204	2260.9	2328.0	240.977 µg/L	240.977 µg/L	
1 K 766.514	40781.6	41991.8	12.0459 mg/L	12.0459 mg/L	
1 Li 670.781	36931.5	38027.4	238.906 µg/L	238.906 µg/L	
1 Mg 279.074	14762.4	15200.5	11.4767 mg/L	11.4767 mg/L	
1 Mn 257.610	17670.0	18194.3	237.568 µg/L	237.568 µg/L	
1 Mo 202.031	157.2	161.9	229.115 µg/L	229.115 µg/L	
1 Na 589.594	248686.2	256066.1	16.7518 mg/L	16.7518 mg/L	
1 Ni 231.603	498.2	513.0	247.507 µg/L	247.507 µg/L	
1 Pb 220.353	62.4	64.3	253.603 µg/L	253.603 µg/L	
1 Sb 206.831	231.7	238.5	1161.43 µg/L	1161.43 µg/L	
1 Se 196.026	231.0	237.9	1255.92 µg/L	1255.92 µg/L	
1 Si 251.611	8872.0	9135.2	1657.62 µg/L	1657.62 µg/L	
1 Sn 189.933	105.0	108.1	998.504 µg/L	998.504 µg/L	
1 Sr 407.771	325793.9	335462.0	237.186 µg/L	237.186 µg/L	
1 Ti 334.941	23610.7	24311.3	237.274 µg/L	237.274 µg/L	
1 Tl 190.800	207.8	213.9	1160.54 µg/L	1160.54 µg/L	
1 V 292.402	3255.1	3351.7	235.164 µg/L	235.164 µg/L	
1 Zn 206.200	536.5	552.4	242.748 µg/L	242.748 µg/L	
2 Sc 357.253	418951.5	418951.5	96.0 µg/L		
2 Y 360.064	255924.2	255924.2	94.9 µg/L		
2 Ag 328.068	5804.5	6047.8	238.574 µg/L	238.574 µg/L	
2 Al 396.140	9199.1	9584.7	1216.01 µg/L	1216.01 µg/L	
2 As 188.979	221.0	230.3	1247.77 µg/L	1247.77 µg/L	
2 B 249.773	7696.5	8019.2	773.174 µg/L	773.174 µg/L	
2 Ba 455.403	156939.9	163518.4	245.993 µg/L	245.993 µg/L	
2 Be 234.861	2159.3	2249.8	24.2705 µg/L	24.2705 µg/L	
2 Ca 315.887	125040.3	130281.6	12.2684 mg/L	12.2684 mg/L	
2 Cd 214.438	1625.9	1694.1	241.722 µg/L	241.722 µg/L	
2 Ce 413.765	69.9	72.9	-4.03409 µg/L	-0.0040341 mg/L	
2 Co 228.616	766.7	798.9	243.445 µg/L	243.445 µg/L	
2 Cr 205.560	325.9	339.6	249.562 µg/L	249.562 µg/L	
2 Cu 327.394	3289.4	3427.3	241.177 µg/L	241.177 µg/L	
2 Fe 238.204	2280.5	2376.1	246.166 µg/L	246.166 µg/L	
2 K 766.514	41052.0	42772.8	12.2818 mg/L	12.2818 mg/L	
2 Li 670.781	37054.7	38607.9	242.609 µg/L	242.609 µg/L	
2 Mg 279.074	14908.4	15533.4	11.7280 mg/L	11.7280 mg/L	
2 Mn 257.610	17861.8	18610.5	242.999 µg/L	242.999 µg/L	
2 Mo 202.031	161.4	168.2	238.562 µg/L	238.562 µg/L	
2 Na 589.594	249115.5	259557.9	16.9831 mg/L	16.9831 mg/L	
2 Ni 231.603	475.0	494.9	236.872 µg/L	236.872 µg/L	
2 Pb 220.353	48.6	50.6	205.566 µg/L	205.566 µg/L	
2 Sb 206.831	231.0	240.7	1172.25 µg/L	1172.25 µg/L	
2 Se 196.026	225.3	234.8	1232.68 µg/L	1232.68 µg/L	
2 Si 251.611	8857.5	9228.8	1677.14 µg/L	1677.14 µg/L	
2 Sn 189.933	109.3	113.9	1051.03 µg/L	1051.03 µg/L	
2 Sr 407.771	327033.1	340741.6	240.964 µg/L	240.964 µg/L	
2 Ti 334.941	23726.4	24720.9	241.614 µg/L	241.614 µg/L	
2 Tl 190.800	213.9	222.8	1213.42 µg/L	1213.42 µg/L	
2 V 292.402	3270.7	3407.8	238.772 µg/L	238.772 µg/L	
2 Zn 206.200	534.1	556.4	244.526 µg/L	244.526 µg/L	

Mean Data

ID: 1001398-bs1 Seq. No.: 46 Sample No.: 26 A/S Pos: 42
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 10:19:16 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	421442.1	96.5	0.81	µg/L				0.84%
Y 360.064	257563.5	95.5	0.86	µg/L				0.90%
Ag 328.068	5952.7	234.872	5.2342	µg/L	234.872	5.2342	µg/L	2.23%
Al 396.140	9413.4	1193.97	31.169	µg/L	1193.97	31.169	µg/L	2.61%
As 188.979	223.3	1208.35	55.740	µg/L	1208.35	55.740	µg/L	4.61%
B 249.773	7928.1	764.170	12.7339	µg/L	764.170	12.7339	µg/L	1.67%
Ba 455.403	162232.4	243.938	2.9067	µg/L	243.938	2.9067	µg/L	1.19%
Be 234.861	2232.0	24.0692	0.28472	µg/L	24.0692	0.28472	µg/L	1.18%
Ca 315.887	129226.7	12.1690	0.14066	mg/L	12.1690	0.14066	mg/L	1.16%

Cd 214.438	1686.7	240.642	1.5283 µg/L	240.642	1.5283 µg/L	0.64%
Ce 413.765	74.5	-3.78804	0.347957 µg/L	-0.0037880	0.00034796 mg/L	9.19%
Co 228.616	794.8	242.232	1.7160 µg/L	242.232	1.7160 µg/L	0.71%
Cr 205.560	334.1	244.644	6.9554 µg/L	244.644	6.9554 µg/L	2.84%
Cu 327.394	3439.2	242.004	1.1697 µg/L	242.004	1.1697 µg/L	0.48%
Fe 238.204	2352.1	243.571	3.6689 µg/L	243.571	3.6689 µg/L	1.51%
K 766.514	42382.3	12.1638	0.16684 mg/L	12.1638	0.16684 mg/L	1.37%
Li 670.781	38317.7	240.757	2.6181 µg/L	240.757	2.6181 µg/L	1.09%
Mg 279.074	15366.9	11.6024	0.17774 mg/L	11.6024	0.17774 mg/L	1.53%
Mn 257.610	18402.4	240.283	3.8405 µg/L	240.283	3.8405 µg/L	1.60%
Mo 202.031	165.0	233.838	6.6802 µg/L	233.838	6.6802 µg/L	2.86%
Na 589.594	257812.0	16.8675	0.16354 mg/L	16.8675	0.16354 mg/L	0.97%
Ni 231.603	503.9	242.190	7.5203 µg/L	242.190	7.5203 µg/L	3.11%
Pb 220.353	57.4	229.585	33.9672 µg/L	229.585	33.9672 µg/L	14.80%
Sb 206.831	239.6	1166.84	7.653 µg/L	1166.84	7.653 µg/L	0.66%
Se 196.026	236.3	1244.30	16.435 µg/L	1244.30	16.435 µg/L	1.32%
Si 251.611	9182.0	1667.38	13.800 µg/L	1667.38	13.800 µg/L	0.83%
Sn 189.933	111.0	1024.77	37.143 µg/L	1024.77	37.143 µg/L	3.62%
Sr 407.771	338101.8	239.075	2.6715 µg/L	239.075	2.6715 µg/L	1.12%
Ti 334.941	24516.1	239.444	3.0693 µg/L	239.444	3.0693 µg/L	1.28%
Tl 190.800	218.4	1186.98	37.394 µg/L	1186.98	37.394 µg/L	3.15%
V 292.402	3379.8	236.968	2.5515 µg/L	236.968	2.5515 µg/L	1.08%
Zn 206.200	554.4	243.637	1.2574 µg/L	243.637	1.2574 µg/L	0.52%

Replicate Data ----------

ID: 1002144-21 Date: 2/18/10 10:22:40 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	437488.7	437488.7	100.2	µg/L		
1	Y 360.064	267924.3	267924.3	99.4	µg/L		
1	Ag 328.068	-256.8	-256.2	-6.85930	µg/L	-6.85930	µg/L
1	Al 396.140	458.4	457.4	41.8823	µg/L	41.8823	µg/L
1	As 188.979	3.1	3.1	-30.4556	µg/L	-30.4556	µg/L
1	B 249.773	1197.7	1195.1	98.2475	µg/L	98.2475	µg/L
1	Ba 455.403	106635.0	106397.1	154.701	µg/L	154.701	µg/L
1	Be 234.861	110.4	110.2	-0.0318314	µg/L	-0.0318314	µg/L
1	Ca 315.887	151704.7	151366.3	14.2560	mg/L	14.2560	mg/L
1	Cd 214.438	54.9	54.8	1.18855	µg/L	1.18855	µg/L
1	Ce 413.765	107.1	106.8	1.06560	µg/L	0.0010656	mg/L
1	Co 228.616	0.4	0.4	4.43292	µg/L	4.43292	µg/L
1	Cr 205.560	99.3	99.1	35.4573	µg/L	35.4573	µg/L
1	Cu 327.394	-2.2	-2.2	2.85098	µg/L	2.85098	µg/L
1	Fe 238.204	553.5	552.3	49.5478	µg/L	49.5478	µg/L
1	K 766.514	4498.6	4488.6	0.716046	mg/L	0.716046	mg/L
1	Li 670.781	430.6	429.6	-0.887639	µg/L	-0.887639	µg/L
1	Mg 279.074	2369.5	2364.2	1.78434	mg/L	1.78434	mg/L
1	Mn 257.610	80.9	80.7	1.17267	µg/L	1.17267	µg/L
1	Mo 202.031	4.9	4.9	-7.26153	µg/L	-7.26153	µg/L
1	Na 589.594	57136.9	57009.4	3.56711	mg/L	3.56711	mg/L
1	Ni 231.603	83.0	82.8	-4.96005	µg/L	-4.96005	µg/L
1	Pb 220.353	-6.4	-6.4	5.48232	µg/L	5.48232	µg/L
1	Sb 206.831	11.0	11.0	37.0610	µg/L	37.0610	µg/L
1	Se 196.026	68.5	68.3	0.969464	µg/L	0.969464	µg/L
1	Si 251.611	11421.6	11396.2	2129.35	µg/L	2129.35	µg/L
1	Sn 189.933	-4.1	-4.1	-24.5098	µg/L	-24.5098	µg/L
1	Sr 407.771	79414.5	79237.4	53.8347	µg/L	53.8347	µg/L
1	Ti 334.941	1831.7	1827.6	-0.997479	µg/L	-0.997479	µg/L
1	Tl 190.800	19.8	19.7	9.92312	µg/L	9.92312	µg/L
1	V 292.402	-266.1	-265.5	2.86565	µg/L	2.86565	µg/L
1	Zn 206.200	11.6	11.6	3.54592	µg/L	3.54592	µg/L
2	Sc 357.253	436126.3	436126.3	99.9	µg/L		
2	Y 360.064	267183.7	267183.7	99.1	µg/L		
2	Ag 328.068	-119.9	-120.0	-1.55533	µg/L	-1.55533	µg/L
2	Al 396.140	524.4	524.9	50.5626	µg/L	50.5626	µg/L
2	As 188.979	-2.0	-2.0	-59.0100	µg/L	-59.0100	µg/L
2	B 249.773	1219.2	1220.2	100.736	µg/L	100.736	µg/L
2	Ba 455.403	107128.0	107223.0	156.021	µg/L	156.021	µg/L
2	Be 234.861	97.6	97.7	-0.173440	µg/L	-0.173440	µg/L
2	Ca 315.887	152460.4	152595.5	14.3719	mg/L	14.3719	mg/L

2 Cd 214.438	49.4	49.4	0.402778 µg/L	0.402778 µg/L	
2 Ce 413.765	-11.9	-12.0	-16.7769 µg/L	-0.0167769 mg/L	
2 Co 228.616	-12.5	-12.5	0.578071 µg/L	0.578071 µg/L	
2 Cr 205.560	81.0	81.1	19.4527 µg/L	19.4527 µg/L	
2 Cu 327.394	85.9	86.0	8.97771 µg/L	8.97771 µg/L	
2 Fe 238.204	569.1	569.6	51.4148 µg/L	51.4148 µg/L	
2 K 766.514	4371.9	4375.7	0.681968 mg/L	0.681968 mg/L	
2 Li 670.781	431.2	431.6	-0.875191 µg/L	-0.875191 µg/L	
2 Mg 279.074	2490.8	2493.0	1.88162 mg/L	1.88162 mg/L	
2 Mn 257.610	46.2	46.2	0.722431 µg/L	0.722431 µg/L	
2 Mo 202.031	8.9	8.9	-1.31836 µg/L	-1.31836 µg/L	
2 Na 589.594	57228.1	57278.8	3.58496 mg/L	3.58496 mg/L	
2 Ni 231.603	95.8	95.9	2.72054 µg/L	2.72054 µg/L	
2 Pb 220.353	-2.1	-2.1	20.4867 µg/L	20.4867 µg/L	
2 Sb 206.831	2.1	2.1	-6.67337 µg/L	-6.67337 µg/L	
2 Se 196.026	63.9	63.9	-31.5392 µg/L	-31.5392 µg/L	
2 Si 251.611	11516.1	11526.3	2156.50 µg/L	2156.50 µg/L	
2 Sn 189.933	-2.8	-2.8	-12.7860 µg/L	-12.7860 µg/L	
2 Sr 407.771	79723.4	79794.1	54.2330 µg/L	54.2330 µg/L	
2 Ti 334.941	1826.9	1828.5	-0.987858 µg/L	-0.987858 µg/L	
2 Tl 190.800	20.9	20.9	16.7530 µg/L	16.7530 µg/L	
2 V 292.402	-316.5	-316.8	-0.424433 µg/L	-0.424433 µg/L	
2 Zn 206.200	22.4	22.4	8.34998 µg/L	8.34998 µg/L	

Mean Data

ID: 1002144-21 Seq. No.: 47 Sample No.: 27 A/S Pos: 43
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 10:22:40 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	436807.5	100.1	0.22	µg/L				0.22%
Y 360.064	267554.0	99.2	0.19	µg/L				0.20%
Ag 328.068	-188.1	-4.20731	3.750472	µg/L	-4.20731	3.750472	µg/L	89.14%
Al 396.140	491.1	46.2224	6.13789	µg/L	46.2224	6.13789	µg/L	13.28%
As 188.979	0.5	-44.7328	20.19099	µg/L	-44.7328	20.19099	µg/L	45.14%
B 249.773	1207.7	99.4918	1.75970	µg/L	99.4918	1.75970	µg/L	1.77%
Ba 455.403	106810.1	155.361	0.9333	µg/L	155.361	0.9333	µg/L	0.60%
Be 234.861	103.9	-0.102636	0.1001324	µg/L	-0.102636	0.1001324	µg/L	97.56%
Ca 315.887	151980.9	14.3140	0.08194	mg/L	14.3140	0.08194	mg/L	0.57%
Cd 214.438	52.1	0.795664	0.5556238	µg/L	0.795664	0.5556238	µg/L	69.83%
Ce 413.765	47.4	-7.85563	12.616530	µg/L	-0.0078556	0.01261653	mg/L	160.60%
Co 228.616	-6.1	2.50550	2.725790	µg/L	2.50550	2.725790	µg/L	108.79%
Cr 205.560	90.1	27.4550	11.31696	µg/L	27.4550	11.31696	µg/L	41.22%
Cu 327.394	41.9	5.91434	4.332254	µg/L	5.91434	4.332254	µg/L	73.25%
Fe 238.204	560.9	50.4813	1.32023	µg/L	50.4813	1.32023	µg/L	2.62%
K 766.514	4432.2	0.699007	0.0240966	mg/L	0.699007	0.0240966	mg/L	3.45%
Li 670.781	430.6	-0.881415	0.0088021	µg/L	-0.881415	0.0088021	µg/L	1.00%
Mg 279.074	2428.6	1.83298	0.068788	mg/L	1.83298	0.068788	mg/L	3.75%
Mn 257.610	63.5	0.947551	0.3183683	µg/L	0.947551	0.3183683	µg/L	33.60%
Mo 202.031	6.9	-4.28994	4.202457	µg/L	-4.28994	4.202457	µg/L	97.96%
Na 589.594	57144.1	3.57604	0.012619	mg/L	3.57604	0.012619	mg/L	0.35%
Ni 231.603	89.3	-1.11976	5.430993	µg/L	-1.11976	5.430993	µg/L	485.02%
Pb 220.353	-4.3	12.9845	10.60973	µg/L	12.9845	10.60973	µg/L	81.71%
Sb 206.831	6.5	15.1938	30.92485	µg/L	15.1938	30.92485	µg/L	203.54%
Se 196.026	66.1	-15.2849	22.98713	µg/L	-15.2849	22.98713	µg/L	150.39%
Si 251.611	11461.2	2142.93	19.202	µg/L	2142.93	19.202	µg/L	0.90%
Sn 189.933	-3.4	-18.6479	8.29000	µg/L	-18.6479	8.29000	µg/L	44.46%
Sr 407.771	79515.7	54.0338	0.28166	µg/L	54.0338	0.28166	µg/L	0.52%
Ti 334.941	1828.1	-0.992668	0.0068036	µg/L	-0.992668	0.0068036	µg/L	0.69%
Tl 190.800	20.3	13.3381	4.82949	µg/L	13.3381	4.82949	µg/L	36.21%
V 292.402	-291.2	1.22061	2.326437	µg/L	1.22061	2.326437	µg/L	190.60%
Zn 206.200	17.0	5.94795	3.396986	µg/L	5.94795	3.396986	µg/L	57.11%

Replicate Data

ID: 1001398-ms1 Date: 2/18/10 10:26:07 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	443980.9	443980.9	101.7	µg/L		
1	Y 360.064	271983.0	271983.0	100.9	µg/L		

1	Ag 328.068	5224.8	5136.9	203.110 µg/L		203.110 µg/L
1	Al 396.140	8819.5	8671.2	1098.50 µg/L		1098.50 µg/L
1	As 188.979	213.5	209.9	1133.12 µg/L		1133.12 µg/L
1	B 249.773	3100.6	3048.4	281.550 µg/L		281.550 µg/L
1	Ba 455.403	233182.6	229260.3	351.063 µg/L		351.063 µg/L
1	Be 234.861	2066.3	2031.6	21.7922 µg/L		21.7922 µg/L
1	Ca 315.887	251393.9	247165.4	23.2879 mg/L		23.2879 mg/L
1	Cd 214.438	1527.3	1501.6	213.482 µg/L		213.482 µg/L
1	Ce 413.765	111.1	109.2	1.42879 µg/L		0.0014288 mg/L
1	Co 228.616	715.3	703.3	214.831 µg/L		214.831 µg/L
1	Cr 205.560	333.7	328.1	239.355 µg/L		239.355 µg/L
1	Cu 327.394	3160.5	3107.3	218.940 µg/L		218.940 µg/L
1	Fe 238.204	2483.9	2442.1	253.278 µg/L		253.278 µg/L
1	K 766.514	40756.3	40070.8	11.4659 mg/L		11.4659 mg/L
1	Li 670.781	35135.5	34544.5	216.693 µg/L		216.693 µg/L
1	Mg 279.074	15985.0	15716.1	11.8675 mg/L		11.8675 mg/L
1	Mn 257.610	16719.6	16438.3	214.651 µg/L		214.651 µg/L
1	Mo 202.031	156.9	154.2	217.585 µg/L		217.585 µg/L
1	Na 589.594	216674.7	213030.1	13.9024 mg/L		13.9024 mg/L
1	Ni 231.603	458.6	450.9	211.032 µg/L		211.032 µg/L
1	Pb 220.353	68.4	67.3	264.155 µg/L		264.155 µg/L
1	Sb 206.831	220.2	216.5	1052.38 µg/L		1052.38 µg/L
1	Se 196.026	218.1	214.4	1082.00 µg/L		1082.00 µg/L
1	Si 251.611	12302.1	12095.2	2275.20 µg/L		2275.20 µg/L
1	Sn 189.933	95.7	94.1	870.718 µg/L		870.718 µg/L
1	Sr 407.771	376596.2	370261.7	262.089 µg/L		262.089 µg/L
1	Ti 334.941	22389.2	22012.7	212.913 µg/L		212.913 µg/L
1	Tl 190.800	199.6	196.3	1055.89 µg/L		1055.89 µg/L
1	V 292.402	3115.1	3062.7	216.606 µg/L		216.606 µg/L
1	Zn 206.200	505.1	496.6	218.076 µg/L		218.076 µg/L
2	Sc 357.253	445542.4	445542.4	102.1 µg/L		
2	Y 360.064	273016.6	273016.6	101.3 µg/L		
2	Ag 328.068	5267.6	5160.8	204.043 µg/L		204.043 µg/L
2	Al 396.140	8969.1	8787.3	1113.44 µg/L		1113.44 µg/L
2	As 188.979	210.8	206.5	1114.10 µg/L		1114.10 µg/L
2	B 249.773	3221.4	3156.1	292.205 µg/L		292.205 µg/L
2	Ba 455.403	236414.3	231623.1	354.839 µg/L		354.839 µg/L
2	Be 234.861	2043.7	2002.3	21.4593 µg/L		21.4593 µg/L
2	Ca 315.887	254560.5	249401.5	23.4988 mg/L		23.4988 mg/L
2	Cd 214.438	1528.6	1497.7	212.902 µg/L		212.902 µg/L
2	Ce 413.765	68.3	66.9	-4.92929 µg/L		-0.0049293 mg/L
2	Co 228.616	705.5	691.2	211.215 µg/L		211.215 µg/L
2	Cr 205.560	335.3	328.5	239.669 µg/L		239.669 µg/L
2	Cu 327.394	3102.2	3039.3	214.218 µg/L		214.218 µg/L
2	Fe 238.204	2552.8	2501.0	259.630 µg/L		259.630 µg/L
2	K 766.514	41133.1	40299.5	11.5350 mg/L		11.5350 mg/L
2	Li 670.781	35488.5	34769.3	218.126 µg/L		218.126 µg/L
2	Mg 279.074	16132.8	15805.8	11.9353 mg/L		11.9353 mg/L
2	Mn 257.610	16886.1	16543.9	216.028 µg/L		216.028 µg/L
2	Mo 202.031	146.6	143.6	201.554 µg/L		201.554 µg/L
2	Na 589.594	219091.9	214651.7	14.0098 mg/L		14.0098 mg/L
2	Ni 231.603	475.3	465.7	219.722 µg/L		219.722 µg/L
2	Pb 220.353	57.5	56.3	225.591 µg/L		225.591 µg/L
2	Sb 206.831	207.6	203.4	987.648 µg/L		987.648 µg/L
2	Se 196.026	219.4	214.9	1086.00 µg/L	N	1086.00 µg/L
2	Si 251.611	12491.6	12238.4	2305.08 µg/L		2305.08 µg/L
2	Sn 189.933	97.5	95.5	883.550 µg/L		883.550 µg/L
2	Sr 407.771	381657.5	373922.7	264.708 µg/L		264.708 µg/L
2	Ti 334.941	22451.7	21996.7	212.744 µg/L		212.744 µg/L
2	Tl 190.800	201.0	196.9	1059.97 µg/L		1059.97 µg/L
2	V 292.402	3187.5	3122.9	220.473 µg/L		220.473 µg/L
2	Zn 206.200	505.1	494.9	217.303 µg/L		217.303 µg/L

Mean Data

ID: 1001398-ms1 Seq. No.: 48 Sample No.: 28 A/S Pos: 44
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 10:26:07 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	444761.7	101.9	0.25	µg/L				0.25%

Y 360.064	272499.8	101.1	0.27 µg/L			0.27%
Ag 328.068	5148.9	203.576	0.6598 µg/L	203.576	0.6598 µg/L	0.32%
Al 396.140	8729.2	1105.97	10.562 µg/L	1105.97	10.562 µg/L	0.95%
As 188.979	208.2	1123.61	13.444 µg/L	1123.61	13.444 µg/L	1.20%
B 249.773	3102.3	286.877	7.5339 µg/L	286.877	7.5339 µg/L	2.63%
Ba 455.403	230441.7	352.951	2.6701 µg/L	352.951	2.6701 µg/L	0.76%
Be 234.861	2016.9	21.6257	0.23542 µg/L	21.6257	0.23542 µg/L	1.09%
Ca 315.887	248283.4	23.3934	0.14911 mg/L	23.3934	0.14911 mg/L	0.64%
Cd 214.438	1499.6	213.192	0.4102 µg/L	213.192	0.4102 µg/L	0.19%
Ce 413.765	88.1	-1.75025	4.495841 µg/L	-0.0017502	0.00449584 mg/L	256.87%
Co 228.616	697.2	213.023	2.5565 µg/L	213.023	2.5565 µg/L	1.20%
Cr 205.560	328.3	239.512	0.2222 µg/L	239.512	0.2222 µg/L	0.09%
Cu 327.394	3073.3	216.579	3.3391 µg/L	216.579	3.3391 µg/L	1.54%
Fe 238.204	2471.6	256.454	4.4911 µg/L	256.454	4.4911 µg/L	1.75%
K 766.514	40185.1	11.5005	0.04887 mg/L	11.5005	0.04887 mg/L	0.42%
Li 670.781	34656.9	217.409	1.0137 µg/L	217.409	1.0137 µg/L	0.47%
Mg 279.074	15761.0	11.9014	0.04791 mg/L	11.9014	0.04791 mg/L	0.40%
Mn 257.610	16491.1	215.340	0.9741 µg/L	215.340	0.9741 µg/L	0.45%
Mo 202.031	148.9	209.570	11.3354 µg/L	209.570	11.3354 µg/L	5.41%
Na 589.594	213840.9	13.9561	0.07596 mg/L	13.9561	0.07596 mg/L	0.54%
Ni 231.603	458.3	215.377	6.1450 µg/L	215.377	6.1450 µg/L	2.85%
Pb 220.353	61.8	244.873	27.2690 µg/L	244.873	27.2690 µg/L	11.14%
Sb 206.831	209.9	1020.01	45.771 µg/L	1020.01	45.771 µg/L	4.49%
Se 196.026	214.7	1084.00	2.829 µg/L	1084.00	2.829 µg/L	0.26%
Si 251.611	12166.8	2290.14	21.129 µg/L	2290.14	21.129 µg/L	0.92%
Sn 189.933	94.8	877.134	9.0736 µg/L	877.134	9.0736 µg/L	1.03%
Sr 407.771	372092.2	263.398	1.8524 µg/L	263.398	1.8524 µg/L	0.70%
Ti 334.941	22004.7	212.829	0.1198 µg/L	212.829	0.1198 µg/L	0.06%
Tl 190.800	196.6	1057.93	2.883 µg/L	1057.93	2.883 µg/L	0.27%
V 292.402	3092.8	218.539	2.7349 µg/L	218.539	2.7349 µg/L	1.25%
Zn 206.200	495.8	217.690	0.5462 µg/L	217.690	0.5462 µg/L	0.25%

Replicate Data

ID: 1001398-msd1 Date: 2/18/10 10:29:34 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	435657.4	435657.4	99.8	µg/L		
1	Y 360.064	266155.5	266155.5	98.7	µg/L		
1	Ag 328.068	5195.3	5205.5	205.782	µg/L	205.782	µg/L
1	Al 396.140	9111.4	9129.2	1157.43	µg/L	1157.43	µg/L
1	As 188.979	207.6	208.1	1122.59	µg/L	1122.59	µg/L
1	B 249.773	3287.1	3293.6	305.798	µg/L	305.798	µg/L
1	Ba 455.403	235202.8	235664.7	361.298	µg/L	361.298	µg/L
1	Be 234.861	2052.1	2056.1	22.0712	µg/L	22.0712	µg/L
1	Ca 315.887	253394.5	253892.2	23.9221	mg/L	23.9221	mg/L
1	Cd 214.438	1555.9	1558.9	221.888	µg/L	221.888	µg/L
1	Ce 413.765	66.6	66.7	-4.95866	µg/L	-0.0049587	mg/L
1	Co 228.616	721.6	723.0	220.743	µg/L	220.743	µg/L
1	Cr 205.560	333.7	334.4	244.906	µg/L	244.906	µg/L
1	Cu 327.394	3119.4	3125.5	220.205	µg/L	220.205	µg/L
1	Fe 238.204	2550.2	2555.2	265.469	µg/L	265.469	µg/L
1	K 766.514	41176.6	41257.5	11.8244	mg/L	11.8244	mg/L
1	Li 670.781	35537.9	35607.7	223.473	µg/L	223.473	µg/L
1	Mg 279.074	16185.5	16217.3	12.2460	mg/L	12.2460	mg/L
1	Mn 257.610	16981.2	17014.5	222.170	µg/L	222.170	µg/L
1	Mo 202.031	155.5	155.8	219.871	µg/L	219.871	µg/L
1	Na 589.594	217965.1	218393.2	14.2577	mg/L	14.2577	mg/L
1	Ni 231.603	465.1	466.1	219.955	µg/L	219.955	µg/L
1	Pb 220.353	52.1	52.2	211.182	µg/L	211.182	µg/L
1	Sb 206.831	218.2	218.6	1063.01	µg/L	1063.01	µg/L
1	Se 196.026	223.7	224.2	1154.23	µg/L	1154.23	µg/L
1	Si 251.611	15991.4	16022.8	3094.66	µg/L	3094.66	µg/L
1	Sn 189.933	102.3	102.5	947.666	µg/L	947.666	µg/L
1	Sr 407.771	381721.4	382471.0	270.825	µg/L	270.825	µg/L
1	Ti 334.941	22673.2	22717.7	220.386	µg/L	220.386	µg/L
1	Tl 190.800	205.6	206.1	1113.91	µg/L	1113.91	µg/L
1	V 292.402	3168.8	3175.1	223.822	µg/L	223.822	µg/L
1	Zn 206.200	505.9	506.9	222.636	µg/L	222.636	µg/L
2	Sc 357.253	432833.5	432833.5	99.2	µg/L		

N

2 Y 360.064	264637.2	264637.2	98.2 µg/L		
2 Ag 328.068	5231.2	5275.6	208.512 µg/L	208.512 µg/L	
2 Al 396.140	9156.9	9234.7	1170.99 µg/L	1170.99 µg/L	
2 As 188.979	206.2	207.9	1121.86 µg/L	1121.86 µg/L	
2 B 249.773	3326.6	3354.8	311.857 µg/L	311.857 µg/L	
2 Ba 455.403	236370.6	238380.0	365.638 µg/L	365.638 µg/L	
2 Be 234.861	2077.8	2095.5	22.5179 µg/L	22.5179 µg/L	
2 Ca 315.887	254663.1	256828.0	24.1989 mg/L	24.1989 mg/L	
2 Cd 214.438	1551.5	1564.7	222.734 µg/L	222.734 µg/L	
2 Ce 413.765	28.2	28.5	-10.7023 µg/L	-0.0107023 mg/L	
2 Co 228.616	751.9	758.2	231.280 µg/L	231.280 µg/L	
2 Cr 205.560	330.5	333.3	244.000 µg/L	244.000 µg/L	
2 Cu 327.394	3219.0	3246.3	228.603 µg/L	228.603 µg/L	
2 Fe 238.204	2553.7	2575.4	267.650 µg/L	267.650 µg/L	
2 K 766.514	41322.6	41673.9	11.9503 mg/L	11.9503 mg/L	
2 Li 670.781	35578.8	35881.3	225.218 µg/L	225.218 µg/L	
2 Mg 279.074	16418.7	16558.2	12.5035 mg/L	12.5035 mg/L	
2 Mn 257.610	17125.2	17270.7	225.514 µg/L	225.514 µg/L	
2 Mo 202.031	160.0	161.4	228.334 µg/L	228.334 µg/L	
2 Na 589.594	219044.7	220906.8	14.4237 mg/L	14.4237 mg/L	
2 Ni 231.603	468.6	472.6	223.769 µg/L	223.769 µg/L	
2 Pb 220.353	59.2	59.7	237.624 µg/L	237.624 µg/L	
2 Sb 206.831	212.4	214.3	1041.47 µg/L	1041.47 µg/L	
2 Se 196.026	222.3	224.2	1154.42 µg/L	1154.42 µg/L	
2 Si 251.611	16130.9	16268.0	3145.82 µg/L	3145.82 µg/L	
2 Sn 189.933	99.3	100.2	926.175 µg/L	926.175 µg/L	
2 Sr 407.771	383311.0	386569.5	273.758 µg/L	273.758 µg/L	
2 Ti 334.941	22865.6	23059.9	224.012 µg/L	224.012 µg/L	
2 Tl 190.800	198.8	200.5	1081.22 µg/L	1081.22 µg/L	
2 V 292.402	3153.2	3180.0	224.143 µg/L	224.143 µg/L	
2 Zn 206.200	501.0	505.3	221.890 µg/L	221.890 µg/L	

Mean Data

ID: 1001398-msd1 Seq. No.: 49 Sample No.: 29 A/S Pos: 45
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 10:29:34 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	434245.5	99.5	0.46	µg/L				0.46%
Y 360.064	265396.3	98.4	0.40	µg/L				0.40%
Ag 328.068	5240.6	207.147	1.9298	µg/L	207.147	1.9298	µg/L	0.93%
Al 396.140	9182.0	1164.21	9.594	µg/L	1164.21	9.594	µg/L	0.82%
As 188.979	208.0	1122.23	0.510	µg/L	1122.23	0.510	µg/L	0.05%
B 249.773	3324.2	308.827	4.2844	µg/L	308.827	4.2844	µg/L	1.39%
Ba 455.403	237022.3	363.468	3.0685	µg/L	363.468	3.0685	µg/L	0.84%
Be 234.861	2075.8	22.2945	0.31590	µg/L	22.2945	0.31590	µg/L	1.42%
Ca 315.887	255360.1	24.0605	0.19570	mg/L	24.0605	0.19570	mg/L	0.81%
Cd 214.438	1561.8	222.311	0.5980	µg/L	222.311	0.5980	µg/L	0.27%
Ce 413.765	47.6	-7.83050	4.061393	µg/L	-0.0078305	0.00406139	mg/L	51.87%
Co 228.616	740.6	226.012	7.4511	µg/L	226.012	7.4511	µg/L	3.30%
Cr 205.560	333.8	244.453	0.6404	µg/L	244.453	0.6404	µg/L	0.26%
Cu 327.394	3185.9	224.404	5.9386	µg/L	224.404	5.9386	µg/L	2.65%
Fe 238.204	2565.3	266.559	1.5418	µg/L	266.559	1.5418	µg/L	0.58%
K 766.514	41465.7	11.8874	0.08897	mg/L	11.8874	0.08897	mg/L	0.75%
Li 670.781	35744.5	224.346	1.2339	µg/L	224.346	1.2339	µg/L	0.55%
Mg 279.074	16387.8	12.3748	0.18208	mg/L	12.3748	0.18208	mg/L	1.47%
Mn 257.610	17142.6	223.842	2.3645	µg/L	223.842	2.3645	µg/L	1.06%
Mo 202.031	158.6	224.102	5.9842	µg/L	224.102	5.9842	µg/L	2.67%
Na 589.594	219650.0	14.3407	0.11738	mg/L	14.3407	0.11738	mg/L	0.82%
Ni 231.603	469.3	221.862	2.6967	µg/L	221.862	2.6967	µg/L	1.22%
Pb 220.353	56.0	224.403	18.6972	µg/L	224.403	18.6972	µg/L	8.33%
Sb 206.831	216.4	1052.24	15.231	µg/L	1052.24	15.231	µg/L	1.45%
Se 196.026	224.2	1154.33	0.137	µg/L	1154.33	0.137	µg/L	0.01%
Si 251.611	16145.4	3120.24	36.176	µg/L	3120.24	36.176	µg/L	1.16%
Sn 189.933	101.4	936.921	15.1966	µg/L	936.921	15.1966	µg/L	1.62%
Sr 407.771	384520.2	272.292	2.0738	µg/L	272.292	2.0738	µg/L	0.76%
Ti 334.941	22888.8	222.199	2.5643	µg/L	222.199	2.5643	µg/L	1.15%
Tl 190.800	203.3	1097.57	23.117	µg/L	1097.57	23.117	µg/L	2.11%
V 292.402	3177.5	223.982	0.2267	µg/L	223.982	0.2267	µg/L	0.10%
Zn 206.200	506.1	222.263	0.5275	µg/L	222.263	0.5275	µg/L	0.24%

N

Replicate Data

ID: 0b18004-srd2 Date: 2/18/10 10:33:00 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	417420.4	417420.4	95.6	µg/L		
1	Y 360.064	255513.4	255513.4	94.8	µg/L		
1	Ag 328.068	-165.2	-172.8	-3.61001	µg/L	-18.0500	µg/L
1	Al 396.140	132.2	138.3	0.829185	µg/L	4.14593	µg/L
1	As 188.979	9.0	9.5	5.58412	µg/L	27.9206	µg/L
1	B 249.773	337.5	353.0	14.9582	µg/L	74.7911	µg/L
1	Ba 455.403	28389.1	29687.6	32.1033	µg/L	160.517	µg/L
1	Be 234.861	113.2	118.4	0.0614210	µg/L	0.307105	µg/L
1	Ca 315.887	30553.7	31951.2	2.99806	mg/L	14.9903	mg/L
1	Cd 214.438	41.7	43.7	-0.444210	µg/L	-2.22105	µg/L
1	Ce 413.765	51.9	54.2	-6.83341	µg/L	-0.0341671	mg/L
1	Co 228.616	-7.4	-7.7	2.01810	µg/L	10.0905	µg/L
1	Cr 205.560	62.2	65.0	5.14398	µg/L	25.7199	µg/L
1	Cu 327.394	-38.4	-40.2	0.212642	µg/L	1.06321	µg/L
1	Fe 238.204	214.4	224.3	14.1852	µg/L	70.9258	µg/L
1	K 766.514	2476.7	2590.0	0.141936	mg/L	0.709681	mg/L
1	Li 670.781	228.1	238.5	-2.10656	µg/L	-10.5328	µg/L
1	Mg 279.074	528.5	552.6	0.414532	mg/L	2.07266	mg/L
1	Mn 257.610	-152.2	-159.2	-1.95882	µg/L	-9.79408	µg/L
1	Mo 202.031	9.5	9.9	0.296796	µg/L	1.48398	µg/L
1	Na 589.594	13665.6	14290.6	0.736957	mg/L	3.68478	mg/L
1	Ni 231.603	87.9	92.0	0.425911	µg/L	2.12956	µg/L
1	Pb 220.353	-8.3	-8.7	-2.47220	µg/L	-12.3610	µg/L
1	Sb 206.831	-1.9	-2.0	-26.9416	µg/L	-134.708	µg/L
1	Se 196.026	60.8	63.6	-33.8857	µg/L	-169.428	µg/L
1	Si 251.611	3249.3	3397.9	460.565	µg/L	2302.83	µg/L
1	Sn 189.933	-0.6	-0.6	7.22029	µg/L	36.1015	µg/L
1	Sr 407.771	16811.2	17580.1	9.71335	µg/L	48.5667	µg/L
1	Ti 334.941	1779.1	1860.5	-0.649258	µg/L	-3.24629	µg/L
1	Tl 190.800	17.4	18.2	0.680932	µg/L	3.40466	µg/L
1	V 292.402	-296.9	-310.4	-0.0169089	µg/L	-0.0845445	µg/L
1	Zn 206.200	4.8	5.0	0.640423	µg/L	3.20211	µg/L
2	Sc 357.253	412898.1	412898.1	94.6	µg/L		
2	Y 360.064	252451.1	252451.1	93.6	µg/L		
2	Ag 328.068	-41.8	-44.2	1.39393	µg/L	6.96965	µg/L
2	Al 396.140	91.8	97.0	-4.47682	µg/L	-22.3841	µg/L
2	As 188.979	6.2	6.6	-10.5885	µg/L	-52.9425	µg/L
2	B 249.773	337.0	356.3	15.2916	µg/L	76.4578	µg/L
2	Ba 455.403	28423.8	30049.4	32.6816	µg/L	163.408	µg/L
2	Be 234.861	101.1	106.9	-0.0694907	µg/L	-0.347453	µg/L
2	Ca 315.887	30575.9	32324.7	3.03327	mg/L	15.1663	mg/L
2	Cd 214.438	41.1	43.5	-0.470416	µg/L	-2.35208	µg/L
2	Ce 413.765	25.6	27.0	-10.9188	µg/L	-0.0545940	mg/L
2	Co 228.616	-8.8	-9.3	1.52659	µg/L	7.63294	µg/L
2	Cr 205.560	61.4	64.9	5.01873	µg/L	25.0936	µg/L
2	Cu 327.394	-42.1	-44.5	-0.0872781	µg/L	-0.436391	µg/L
2	Fe 238.204	233.5	246.8	16.6200	µg/L	83.1002	µg/L
2	K 766.514	2529.9	2674.6	0.167495	mg/L	0.837475	mg/L
2	Li 670.781	63.7	67.3	-3.19814	µg/L	-15.9907	µg/L
2	Mg 279.074	474.6	501.7	0.376076	mg/L	1.88038	mg/L
2	Mn 257.610	-153.4	-162.1	-1.99708	µg/L	-9.98539	µg/L
2	Mo 202.031	4.5	4.7	-7.57262	µg/L	-37.8631	µg/L
2	Na 589.594	13672.3	14454.2	0.747794	mg/L	3.73897	mg/L
2	Ni 231.603	95.3	100.8	5.59447	µg/L	27.9724	µg/L
2	Pb 220.353	-4.8	-5.1	10.0426	µg/L	50.2130	µg/L
2	Sb 206.831	8.1	8.6	25.3500	µg/L	126.750	µg/L
2	Se 196.026	67.0	70.9	19.8544	µg/L	99.2719	µg/L
2	Si 251.611	3180.9	3362.8	453.243	µg/L	2266.22	µg/L
2	Sn 189.933	0.4	0.4	16.2288	µg/L	81.1440	µg/L
2	Sr 407.771	16821.7	17783.7	9.85905	µg/L	49.2952	µg/L
2	Ti 334.941	1763.8	1864.7	-0.604594	µg/L	-3.02297	µg/L
2	Tl 190.800	17.2	18.1	0.512889	µg/L	2.56445	µg/L
2	V 292.402	-273.8	-289.5	1.32759	µg/L	6.63793	µg/L
2	Zn 206.200	0.3	0.4	-1.40234	µg/L	-7.01168	µg/L

Mean Data

ID: 0b18004-srd2 Seq. No.: 50 Sample No.: 30 A/S Pos: 46
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 5.0
Data: Original Date: 2/18/10 10:33:00 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	415159.3	95.1	0.73	µg/L				0.77%
Y 360.064	253982.2	94.2	0.80	µg/L				0.85%
Ag 328.068	-108.5	-1.10804	3.538318	µg/L	-5.54020	17.691589	µg/L	319.33%
Al 396.140	117.6	-1.82382	3.751911	µg/L	-9.11908	18.759553	µg/L	205.72%
As 188.979	8.0	-2.50219	11.435777	µg/L	-12.5110	57.17888	µg/L	457.03%
B 249.773	354.6	15.1249	0.23570	µg/L	75.6245	1.17848	µg/L	1.56%
Ba 455.403	29868.5	32.3925	0.40891	µg/L	161.962	2.0445	µg/L	1.26%
Be 234.861	112.6	-0.0040348	0.09256856	µg/L	-0.0201741	0.46284282	µg/L	>999.9%
Ca 315.887	32137.9	3.01566	0.024898	mg/L	15.0783	0.12449	mg/L	0.83%
Cd 214.438	43.6	-0.457313	0.0185303	µg/L	-2.28657	0.092651	µg/L	4.05%
Ce 413.765	40.6	-8.87610	2.888801	µg/L	-0.0443805	0.01444401	mg/L	32.55%
Co 228.616	-8.5	1.77234	0.347549	µg/L	8.86171	1.737743	µg/L	19.61%
Cr 205.560	64.9	5.08136	0.088569	µg/L	25.4068	0.44285	µg/L	1.74%
Cu 327.394	-42.3	0.0626820	0.21207558	µg/L	0.313410	1.0603779	µg/L	338.34%
Fe 238.204	235.6	15.4026	1.72172	µg/L	77.0130	8.60860	µg/L	11.18%
K 766.514	2632.3	0.154716	0.0180727	mg/L	0.773578	0.0903636	mg/L	11.68%
Li 670.781	152.9	-2.65235	0.771864	µg/L	-13.2617	3.85932	µg/L	29.10%
Mg 279.074	527.2	0.395304	0.0271923	mg/L	1.97652	0.135962	mg/L	6.88%
Mn 257.610	-160.7	-1.97795	0.027055	µg/L	-9.88973	0.135277	µg/L	1.37%
Mo 202.031	7.3	-3.63791	5.564520	µg/L	-18.1896	27.82260	µg/L	152.96%
Na 589.594	14372.4	0.742375	0.0076631	mg/L	3.71188	0.038315	mg/L	1.03%
Ni 231.603	96.4	3.01019	3.654724	µg/L	15.0510	18.27362	µg/L	121.41%
Pb 220.353	-6.9	3.78520	8.849293	µg/L	18.9260	44.24647	µg/L	233.79%
Sb 206.831	3.3	-0.795805	36.9757226	µg/L	-3.97902	184.878613	µg/L	>999.9%
Se 196.026	67.2	-7.01564	37.999963	µg/L	-35.0782	189.99982	µg/L	541.65%
Si 251.611	3380.3	456.904	5.1775	µg/L	2284.52	25.887	µg/L	1.13%
Sn 189.933	-0.1	11.7245	6.36998	µg/L	58.6227	31.84988	µg/L	54.33%
Sr 407.771	17681.9	9.78620	0.103026	µg/L	48.9310	0.51513	µg/L	1.05%
Ti 334.941	1862.6	-0.626926	0.0315826	µg/L	-3.13463	0.157913	µg/L	5.04%
Tl 190.800	18.2	0.596911	0.1188245	µg/L	2.98455	0.594123	µg/L	19.91%
V 292.402	-300.0	0.655338	0.9507010	µg/L	3.27669	4.753505	µg/L	145.07%
Zn 206.200	2.7	-0.380956	1.4444479	µg/L	-1.90478	7.222239	µg/L	379.16%

Replicate Data

ID: 0B18004-CCV Date: 2/18/10 10:36:26 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	420816.0	420816.0	96.4	µg/L		
1	Y 360.064	256816.5	256816.5	95.3	µg/L		
1	Ag 328.068	12292.0	12750.5	499.529	µg/L		
1	Al 396.140	18805.3	19506.8	2492.38	µg/L		
1	As 188.979	446.3	462.9	2556.22	µg/L		
1	B 249.773	4913.8	5097.1	484.173	µg/L		
1	Ba 455.403	312318.1	323968.0	502.426	µg/L		
1	Be 234.861	4347.5	4509.7	49.9400	µg/L		
1	Ca 315.887	50548.0	52433.5	4.92692	mg/L		
1	Cd 214.438	3327.2	3451.3	499.556	µg/L		
1	Ce 413.765	65.5	68.0	-4.77234	µg/L		
1	Co 228.616	1581.8	1640.8	495.464	µg/L		
1	Cr 205.560	589.7	611.7	491.802	µg/L		
1	Cu 327.394	6912.6	7170.5	501.305	µg/L		
1	Fe 238.204	4552.8	4722.7	499.131	µg/L		
1	K 766.514	18282.0	18964.0	5.08915	mg/L		
1	Li 670.781	76496.3	79349.7	502.454	µg/L		
1	Mg 279.074	6229.1	6461.4	4.87636	mg/L		
1	Mn 257.610	36531.5	37894.2	494.665	µg/L		
1	Mo 202.031	319.5	331.4	484.393	µg/L		
1	Na 589.594	76079.3	78917.2	5.01641	mg/L		
1	Ni 231.603	909.8	943.7	500.271	µg/L		
1	Pb 220.353	125.7	130.4	485.664	µg/L		
1	Sb 206.831	490.7	509.0	2497.68	µg/L		
1	Se 196.026	394.2	408.9	2521.37	µg/L		
1	Si 251.611	12785.6	13262.6	2518.76	µg/L		

1 Sn 189.933	229.5	238.1	2183.53	µg/L
1 Sr 407.771	673102.3	698209.9	496.765	µg/L
1 Ti 334.941	46985.9	48738.6	496.141	µg/L
1 Tl 190.800	419.1	434.8	2469.21	µg/L
1 V 292.402	7053.3	7316.4	489.781	µg/L
1 Zn 206.200	1085.1	1125.6	496.249	µg/L
2 Sc 357.253	419154.7	419154.7	96.0	µg/L
2 Y 360.064	255984.7	255984.7	95.0	µg/L
2 Ag 328.068	12187.0	12691.7	497.242	µg/L
2 Al 396.140	18681.1	19454.8	2485.70	µg/L
2 As 188.979	446.3	464.7	2566.35	µg/L
2 B 249.773	5008.0	5215.4	495.875	µg/L
2 Ba 455.403	315097.5	328146.5	509.104	µg/L
2 Be 234.861	4359.6	4540.2	50.2859	µg/L
2 Ca 315.887	50586.4	52681.4	4.95022	mg/L
2 Cd 214.438	3338.8	3477.1	503.336	µg/L
2 Ce 413.765	125.3	130.4	4.61350	µg/L
2 Co 228.616	1593.0	1659.0	500.902	µg/L
2 Cr 205.560	597.7	622.5	501.370	µg/L
2 Cu 327.394	6922.1	7208.8	503.965	µg/L
2 Fe 238.204	4577.0	4766.5	503.855	µg/L
2 K 766.514	18342.1	19101.7	5.13077	mg/L
2 Li 670.781	77095.8	80288.5	508.442	µg/L
2 Mg 279.074	6062.3	6313.3	4.76453	mg/L
2 Mn 257.610	36490.5	38001.6	496.067	µg/L
2 Mo 202.031	324.5	338.0	494.269	µg/L
2 Na 589.594	76795.4	79975.7	5.08650	mg/L
2 Ni 231.603	932.9	971.5	516.558	µg/L
2 Pb 220.353	136.3	141.9	526.212	µg/L
2 Sb 206.831	493.8	514.2	2523.57	µg/L
2 Se 196.026	395.7	412.1	2544.97	µg/L
2 Si 251.611	12871.3	13404.3	2548.33	µg/L
2 Sn 189.933	228.0	237.4	2177.93	µg/L
2 Sr 407.771	679604.7	707748.9	503.591	µg/L
2 Ti 334.941	46935.0	48878.8	497.627	µg/L
2 Tl 190.800	425.6	443.2	2519.28	µg/L
2 V 292.402	7063.7	7356.2	492.339	µg/L
2 Zn 206.200	1091.4	1136.6	501.105	µg/L

Mean Data ----------

ID: 0B18004-CCV Seq. No.: 51 Sample No.: 8 A/S Pos: 4

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 2/18/10 10:36:26 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	419985.3	96.2	0.27	µg/L				0.28%
Y 360.064	256400.6	95.1	0.22	µg/L				0.23%
Ag 328.068	12721.1	498.385	1.6170	µg/L				0.32%
Al 396.140	19480.8	2489.04	4.729	µg/L				0.19%
As 188.979	463.8	2561.29	7.163	µg/L				0.28%
B 249.773	5156.3	490.024	8.2751	µg/L				1.69%
Ba 455.403	326057.3	505.765	4.7221	µg/L				0.93%
Be 234.861	4524.9	50.1129	0.24461	µg/L				0.49%
Ca 315.887	52557.4	4.93857	0.016482	mg/L				0.33%
Cd 214.438	3464.2	501.446	2.6729	µg/L				0.53%
Ce 413.765	99.2	-0.0794222	6.63679057	µg/L				>999.9%
Co 228.616	1649.9	498.183	3.8454	µg/L				0.77%
Cr 205.560	617.1	496.586	6.7657	µg/L				1.36%
Cu 327.394	7189.6	502.635	1.8812	µg/L				0.37%
Fe 238.204	4744.6	501.493	3.3405	µg/L				0.67%
K 766.514	19032.8	5.10996	0.029430	mg/L				0.58%
Li 670.781	79819.1	505.448	4.2338	µg/L				0.84%
Mg 279.074	6387.4	4.82045	0.079075	mg/L				1.64%
Mn 257.610	37947.9	495.366	0.9916	µg/L				0.20%
Mo 202.031	334.7	489.331	6.9831	µg/L				1.43%
Na 589.594	79446.4	5.05146	0.049560	mg/L				0.98%
Ni 231.603	957.6	508.415	11.5168	µg/L				2.27%
Pb 220.353	136.2	505.938	28.6715	µg/L				5.67%
Sb 206.831	511.6	2510.62	18.302	µg/L				0.73%
Se 196.026	410.5	2533.17	16.684	µg/L				0.66%

Si 251.611	13333.4	2533.54	20.911 µg/L	0.83%
Sn 189.933	237.7	2180.73	3.960 µg/L	0.18%
*QC exceeds lower limit for Sn 189.933	Recovery = 87.23%	Action = Continue		
Sr 407.771	702979.4	500.178	4.8267 µg/L	0.97%
Ti 334.941	48808.7	496.884	1.0504 µg/L	0.21%
Tl 190.800	439.0	2494.25	35.404 µg/L	1.42%
V 292.402	7336.3	491.060	1.8088 µg/L	0.37%
Zn 206.200	1131.1	498.677	3.4339 µg/L	0.69%

Replicate Data

ID: 0B18004-CCB Date: 2/18/10 10:39:48 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	414905.3	414905.3	95.0	µg/L		
1	Y 360.064	253764.8	253764.8	94.1	µg/L		
1	Ag 328.068	-114.7	-120.7	-1.58129	µg/L		
1	Al 396.140	133.5	140.5	1.11197	µg/L		
1	As 188.979	8.9	9.4	5.01106	µg/L		
1	B 249.773	144.6	152.2	-4.90007	µg/L		
1	Ba 455.403	8357.4	8792.6	-1.29122	µg/L		
1	Be 234.861	98.4	103.5	-0.107184	µg/L		
1	Ca 315.887	-431.0	-453.5	-0.0569268	mg/L		
1	Cd 214.438	53.4	56.2	1.39999	µg/L		
1	Ce 413.765	99.7	104.9	0.782141	µg/L		
1	Co 228.616	-20.2	-21.2	-2.03084	µg/L		
1	Cr 205.560	64.0	67.3	7.18836	µg/L		
1	Cu 327.394	-136.8	-143.9	-6.99897	µg/L		
1	Fe 238.204	109.8	115.5	2.46442	µg/L		
1	K 766.514	2179.4	2292.8	0.0521625	mg/L		
1	Li 670.781	261.8	275.5	-1.87066	µg/L		
1	Mg 279.074	64.8	68.2	0.0486791	mg/L		
1	Mn 257.610	-169.9	-178.8	-2.21411	µg/L		
1	Mo 202.031	9.3	9.8	0.0619413	µg/L		
1	Na 589.594	2483.9	2613.3	-0.0364927	mg/L		
1	Ni 231.603	75.0	78.9	-7.22133	µg/L		
1	Pb 220.353	-6.2	-6.5	5.05550	µg/L		
1	Sb 206.831	-1.6	-1.7	-25.2300	µg/L		
1	Se 196.026	73.2	77.0	65.1213	µg/L		
1	Si 251.611	1108.9	1166.7	-4.96559	µg/L		
1	Sn 189.933	-1.0	-1.0	3.31472	µg/L		
1	Sr 407.771	840.9	884.7	-2.23374	µg/L		
1	Ti 334.941	1679.3	1766.8	-1.64219	µg/L		
1	Tl 190.800	21.7	22.8	28.0761	µg/L		
1	V 292.402	-288.8	-303.9	0.405009	µg/L		
1	Zn 206.200	-7.5	-7.9	-5.07373	µg/L		
2	Sc 357.253	410835.2	410835.2	94.1	µg/L		
2	Y 360.064	250970.2	250970.2	93.1	µg/L		
2	Ag 328.068	-110.2	-117.1	-1.44211	µg/L		
2	Al 396.140	-44.2	-47.0	-23.0013	µg/L		
2	As 188.979	2.2	2.3	-34.4547	µg/L		
2	B 249.773	117.3	124.7	-7.61980	µg/L		
2	Ba 455.403	8401.3	8926.4	-1.07739	µg/L		
2	Be 234.861	78.9	83.9	-0.330732	µg/L		
2	Ca 315.887	-517.4	-549.8	-0.0660023	mg/L		
2	Cd 214.438	40.5	43.1	-0.531373	µg/L		
2	Ce 413.765	-64.3	-68.4	-25.2497	µg/L		
2	Co 228.616	-23.8	-25.3	-3.24286	µg/L		
2	Cr 205.560	57.5	61.1	1.69040	µg/L		
2	Cu 327.394	-32.3	-34.3	0.618463	µg/L		
2	Fe 238.204	112.1	119.1	2.85216	µg/L		
2	K 766.514	2187.3	2324.0	0.0615626	mg/L		
2	Li 670.781	309.9	329.2	-1.52795	µg/L		
2	Mg 279.074	3.1	3.3	-0.0003088	mg/L		
2	Mn 257.610	-225.0	-239.1	-3.00126	µg/L		
2	Mo 202.031	11.9	12.6	4.28693	µg/L		
2	Na 589.594	2683.9	2851.7	-0.0207019	mg/L		
2	Ni 231.603	67.4	71.6	-11.5149	µg/L		
2	Pb 220.353	-13.5	-14.4	-22.4440	µg/L		
2	Sb 206.831	-1.5	-1.6	-24.7842	µg/L		

2 Se 196.026	68.5	72.7	33.8583	µg/L
2 Si 251.611	1089.3	1157.4	-6.89475	µg/L
2 Sn 189.933	-4.5	-4.8	-31.5434	µg/L
2 Sr 407.771	775.9	824.4	-2.27689	µg/L
2 Ti 334.941	1673.4	1778.0	-1.52375	µg/L
2 Tl 190.800	18.5	19.6	9.25124	µg/L
2 V 292.402	-279.4	-296.8	0.856083	µg/L
2 Zn 206.200	3.8	4.0	0.205802	µg/L

Mean Data

ID: 0B18004-CCB Seq. No.: 52 Sample No.: 9 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 10:39:48 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Sc 357.253	412870.3	94.6	0.66	µg/L				0.70%
Y 360.064	252367.5	93.6	0.73	µg/L				0.78%
Ag 328.068	-118.9	-1.51170	0.098413	µg/L				6.51%
Al 396.140	46.7	-10.9447	17.05068	µg/L				155.79%
As 188.979	5.9	-14.7218	27.90649	µg/L				189.56%
B 249.773	138.4	-6.25994	1.923143	µg/L				30.72%
Ba 455.403	8859.5	-1.18430	0.151199	µg/L				12.77%
Be 234.861	93.7	-0.218958	0.1580725	µg/L				72.19%
Ca 315.887	-501.6	-0.0614646	0.00641738	mg/L				10.44%
Cd 214.438	49.6	0.434307	1.3656776	µg/L				314.45%
Ce 413.765	18.3	-12.2338	18.40730	µg/L				150.46%
Co 228.616	-23.2	-2.63685	0.857023	µg/L				32.50%
Cr 205.560	64.2	4.43938	3.887642	µg/L				87.57%
Cu 327.394	-89.1	-3.19025	5.386335	µg/L				168.84%
Fe 238.204	117.3	2.65829	0.274174	µg/L				10.31%
K 766.514	2308.4	0.0568626	0.00664685	mg/L				11.69%
Li 670.781	302.3	-1.69931	0.242332	µg/L				14.26%
Mg 279.074	35.7	0.0241852	0.03463966	mg/L				143.23%
Mn 257.610	-208.9	-2.60768	0.556598	µg/L				21.34%
Mo 202.031	11.2	2.17443	2.987517	µg/L				137.39%
Na 589.594	2732.5	-0.0285973	0.01116583	mg/L				39.05%
Ni 231.603	75.3	-9.36809	3.035979	µg/L				32.41%
Pb 220.353	-10.5	-8.69426	19.445095	µg/L				223.65%
Sb 206.831	-1.6	-25.0071	0.31524	µg/L				1.26%
Se 196.026	74.9	49.4898	22.10629	µg/L				44.67%
Si 251.611	1162.0	-5.93017	1.364122	µg/L				23.00%
Sn 189.933	-2.9	-14.1144	24.64844	µg/L				174.63%
Sr 407.771	854.5	-2.25531	0.030512	µg/L				1.35%
Ti 334.941	1772.4	-1.58297	0.083749	µg/L				5.29%
Tl 190.800	21.2	18.6637	13.31118	µg/L				71.32%
V 292.402	-300.3	0.630546	0.3189573	µg/L				50.58%
Zn 206.200	-2.0	-2.43397	3.733196	µg/L				153.38%

Replicate Data

ID: 1001398-ps1 Date: 2/18/10 10:43:14 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	442145.3	442145.3	101.3	µg/L		
1	Y 360.064	270700.4	270700.4	100.4	µg/L		
1	Ag 328.068	6120.4	6042.4	238.366	µg/L	238.366	µg/L
1	Al 396.140	10256.0	10125.3	1285.56	µg/L	1285.56	µg/L
1	As 188.979	237.2	234.2	1269.61	µg/L	1269.61	µg/L
1	B 249.773	3651.9	3605.4	336.632	µg/L	336.632	µg/L
1	Ba 455.403	261752.7	258418.3	397.663	µg/L	397.663	µg/L
1	Be 234.861	2293.7	2264.5	24.4377	µg/L	24.4377	µg/L
1	Ca 315.887	281414.7	277829.8	26.1789	mg/L	26.1789	mg/L
1	Cd 214.438	1728.7	1706.7	243.567	µg/L	243.567	µg/L
1	Ce 413.765	25.6	25.2	-11.1911	µg/L	-0.0111911	mg/L
1	Co 228.616	820.2	809.7	246.696	µg/L	246.696	µg/L
1	Cr 205.560	355.8	351.2	259.919	µg/L	259.919	µg/L
1	Cu 327.394	3500.9	3456.3	243.191	µg/L	243.191	µg/L
1	Fe 238.204	2874.3	2837.7	295.925	µg/L	295.925	µg/L
1	K 766.514	46241.0	45651.9	13.1521	mg/L	13.1521	mg/L
1	Li 670.781	39752.4	39246.0	246.678	µg/L	246.678	µg/L

1 Mg 279.074	18199.9	17968.1	13.5683 mg/L	13.5683 mg/L	
1 Mn 257.610	19121.7	18878.2	246.492 µg/L	246.492 µg/L	
1 Mo 202.031	168.8	166.6	236.259 µg/L	236.259 µg/L	
1 Na 589.594	244752.2	241634.4	15.7967 mg/L	15.7967 mg/L	
1 Ni 231.603	519.9	513.3	247.675 µg/L	247.675 µg/L	
1 Pb 220.353	60.2	59.4	236.560 µg/L	236.560 µg/L	
1 Sb 206.831	242.1	239.0	1163.76 µg/L	1163.76 µg/L	
1 Se 196.026	241.0	238.0	1256.40 µg/L	1256.40 µg/L	
1 Si 251.611	17412.8	17191.0	3338.40 µg/L	3338.40 µg/L	
1 Sn 189.933	108.7	107.4	991.620 µg/L	991.620 µg/L	
1 Sr 407.771	426298.6	420868.1	298.302 µg/L	298.302 µg/L	
1 Ti 334.941	24898.5	24581.3	240.135 µg/L	240.135 µg/L	
1 Tl 190.800	228.0	225.1	1226.63 µg/L	1226.63 µg/L	
1 V 292.402	3455.4	3411.4	239.001 µg/L	239.001 µg/L	
1 Zn 206.200	570.2	563.0	247.419 µg/L	247.419 µg/L	
2 Sc 357.253	441675.7	441675.7	101.2 µg/L		
2 Y 360.064	270121.1	270121.1	100.2 µg/L		
2 Ag 328.068	6097.4	6026.1	237.732 µg/L	237.732 µg/L	
2 Al 396.140	10198.9	10079.7	1279.69 µg/L	1279.69 µg/L	
2 As 188.979	233.6	230.8	1250.70 µg/L	1250.70 µg/L	
2 B 249.773	3654.7	3612.0	337.292 µg/L	337.292 µg/L	
2 Ba 455.403	263128.2	260052.5	400.275 µg/L	400.275 µg/L	
2 Be 234.861	2297.6	2270.7	24.5085 µg/L	24.5085 µg/L	
2 Ca 315.887	283381.4	280069.0	26.3901 mg/L	26.3901 mg/L	
2 Cd 214.438	1737.5	1717.2	245.110 µg/L	245.110 µg/L	
2 Ce 413.765	45.6	45.1	-8.20899 µg/L	-0.0082090 mg/L	
2 Co 228.616	802.8	793.4	241.799 µg/L	241.799 µg/L	
2 Cr 205.560	363.5	359.3	267.104 µg/L	267.104 µg/L	
2 Cu 327.394	3577.3	3535.4	248.693 µg/L	248.693 µg/L	
2 Fe 238.204	2880.0	2846.3	296.851 µg/L	296.851 µg/L	
2 K 766.514	46395.0	45852.7	13.2128 mg/L	13.2128 mg/L	
2 Li 670.781	39935.7	39468.9	248.100 µg/L	248.100 µg/L	
2 Mg 279.074	18269.4	18055.9	13.6347 mg/L	13.6347 mg/L	
2 Mn 257.610	19157.8	18933.9	247.220 µg/L	247.220 µg/L	
2 Mo 202.031	166.7	164.7	233.384 µg/L	233.384 µg/L	
2 Na 589.594	245866.9	242993.0	15.8868 mg/L	15.8868 mg/L	
2 Ni 231.603	517.1	511.0	246.338 µg/L	246.338 µg/L	
2 Pb 220.353	61.7	61.0	242.177 µg/L	242.177 µg/L	
2 Sb 206.831	244.4	241.5	1176.09 µg/L	1176.09 µg/L	
2 Se 196.026	237.5	234.7	1232.55 µg/L	1232.55 µg/L	
2 Si 251.611	17489.3	17284.8	3357.97 µg/L	3357.97 µg/L	
2 Sn 189.933	113.3	112.0	1033.68 µg/L	1033.68 µg/L	
2 Sr 407.771	428819.3	423806.9	300.405 µg/L	300.405 µg/L	
2 Ti 334.941	24975.5	24683.5	241.218 µg/L	241.218 µg/L	
2 Tl 190.800	230.4	227.7	1242.31 µg/L	1242.31 µg/L	
2 V 292.402	3548.6	3507.1	245.147 µg/L	245.147 µg/L	
2 Zn 206.200	571.3	564.6	248.142 µg/L	248.142 µg/L	

Mean Data

ID: 1001398-ps1 Seq. No.: 53 Sample No.: 31 A/S Pos: 47
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 10:43:14 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	441910.5	101.2	0.08	µg/L				0.08%
Y 360.064	270410.7	100.3	0.15	µg/L				0.15%
Ag 328.068	6034.3	238.049	0.4483	µg/L	238.049	0.4483	µg/L	0.19%
Al 396.140	10102.5	1282.63	4.152	µg/L	1282.63	4.152	µg/L	0.32%
As 188.979	232.5	1260.15	13.371	µg/L	1260.15	13.371	µg/L	1.06%
B 249.773	3608.7	336.962	0.4664	µg/L	336.962	0.4664	µg/L	0.14%
Ba 455.403	259235.4	398.969	1.8468	µg/L	398.969	1.8468	µg/L	0.46%
Be 234.861	2267.6	24.4731	0.05007	µg/L	24.4731	0.05007	µg/L	0.20%
Ca 315.887	278949.4	26.2845	0.14929	mg/L	26.2845	0.14929	mg/L	0.57%
Cd 214.438	1711.9	244.339	1.0912	µg/L	244.339	1.0912	µg/L	0.45%
Ce 413.765	35.2	-9.70002	2.108633	µg/L	-0.0097000	0.00210863	mg/L	21.74%
Co 228.616	801.6	244.247	3.4622	µg/L	244.247	3.4622	µg/L	1.42%
Cr 205.560	355.3	263.512	5.0806	µg/L	263.512	5.0806	µg/L	1.93%
Cu 327.394	3495.9	245.942	3.8903	µg/L	245.942	3.8903	µg/L	1.58%
Fe 238.204	2842.0	296.388	0.6548	µg/L	296.388	0.6548	µg/L	0.22%
K 766.514	45752.3	13.1824	0.04289	mg/L	13.1824	0.04289	mg/L	0.33%

Li 670.781	39357.5	247.389	1.0054 µg/L	247.389	1.0054 µg/L	0.41%
Mg 279.074	18012.0	13.6015	0.04690 mg/L	13.6015	0.04690 mg/L	0.34%
Mn 257.610	18906.0	246.856	0.5145 µg/L	246.856	0.5145 µg/L	0.21%
Mo 202.031	165.7	234.822	2.0330 µg/L	234.822	2.0330 µg/L	0.87%
Na 589.594	242313.7	15.8417	0.06365 mg/L	15.8417	0.06365 mg/L	0.40%
Ni 231.603	512.2	247.006	0.9452 µg/L	247.006	0.9452 µg/L	0.38%
Pb 220.353	60.2	239.368	3.9722 µg/L	239.368	3.9722 µg/L	1.66%
Sb 206.831	240.3	1169.92	8.714 µg/L	1169.92	8.714 µg/L	0.74%
Se 196.026	236.3	1244.48	16.864 µg/L	1244.48	16.864 µg/L	1.36%
Si 251.611	17237.9	3348.19	13.837 µg/L	3348.19	13.837 µg/L	0.41%
Sn 189.933	109.7	1012.65	29.740 µg/L	1012.65	29.740 µg/L	2.94%
Sr 407.771	422337.5	299.353	1.4870 µg/L	299.353	1.4870 µg/L	0.50%
Ti 334.941	24632.4	240.676	0.7660 µg/L	240.676	0.7660 µg/L	0.32%
Tl 190.800	226.4	1234.47	11.091 µg/L	1234.47	11.091 µg/L	0.90%
V 292.402	3459.3	242.074	4.3456 µg/L	242.074	4.3456 µg/L	1.80%
Zn 206.200	563.8	247.781	0.5112 µg/L	247.781	0.5112 µg/L	0.21%

Replicate Data

ID: 1002144-22 Date: 2/18/10 10:46:37 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	434836.5	434836.5	99.6	µg/L		
1	Y 360.064	266775.0	266775.0	99.0	µg/L		
1	Ag 328.068	-98.6	-99.0	-0.738643	µg/L	-0.738643	µg/L
1	Al 396.140	3314.4	3327.1	411.044	µg/L	411.044	µg/L
1	As 188.979	10.8	10.9	13.3971	µg/L	13.3971	µg/L
1	B 249.773	424.7	426.4	22.2193	µg/L	22.2193	µg/L
1	Ba 455.403	23550.0	23640.8	22.4393	µg/L	22.4393	µg/L
1	Be 234.861	110.7	111.1	-0.0213302	µg/L	-0.0213302	µg/L
1	Ca 315.887	92566.6	92923.5	8.74629	mg/L	8.74629	mg/L
1	Cd 214.438	52.0	52.2	0.814817	µg/L	0.814817	µg/L
1	Ce 413.765	36.1	36.2	-9.54189	µg/L	-0.0095419	mg/L
1	Co 228.616	-23.3	-23.4	-2.67323	µg/L	-2.67323	µg/L
1	Cr 205.560	64.8	65.0	5.16689	µg/L	5.16689	µg/L
1	Cu 327.394	-22.8	-22.9	1.41250	µg/L	1.41250	µg/L
1	Fe 238.204	3282.4	3295.1	345.232	µg/L	345.232	µg/L
1	K 766.514	3152.5	3164.7	0.315932	mg/L	0.315932	mg/L
1	Li 670.781	442.9	444.6	-0.791907	µg/L	-0.791907	µg/L
1	Mg 279.074	2456.6	2466.1	1.86056	mg/L	1.86056	mg/L
1	Mn 257.610	716.5	719.2	9.50512	µg/L	9.50512	µg/L
1	Mo 202.031	5.2	5.2	-6.79782	µg/L	-6.79782	µg/L
1	Na 589.594	39222.4	39373.6	2.39833	mg/L	2.39833	mg/L
1	Ni 231.603	71.5	71.8	-11.4369	µg/L	-11.4369	µg/L
1	Pb 220.353	-5.0	-5.0	10.3991	µg/L	10.3991	µg/L
1	Sb 206.831	-0.6	-0.6	-20.0956	µg/L	-20.0956	µg/L
1	Se 196.026	68.6	68.9	5.28920	µg/L	5.28920	µg/L
1	Si 251.611	12361.1	12408.8	2340.62	µg/L	2340.62	µg/L
1	Sn 189.933	-4.2	-4.2	-26.1460	µg/L	-26.1460	µg/L
1	Sr 407.771	47514.3	47697.5	31.2650	µg/L	31.2650	µg/L
1	Ti 334.941	2541.3	2551.1	6.66998	µg/L	6.66998	µg/L
1	Tl 190.800	18.6	18.7	3.62562	µg/L	3.62562	µg/L
1	V 292.402	-257.0	-258.0	3.35179	µg/L	3.35179	µg/L
1	Zn 206.200	22.8	22.9	8.57968	µg/L	8.57968	µg/L
2	Sc 357.253	435200.7	435200.7	99.7	µg/L		
2	Y 360.064	267063.7	267063.7	99.1	µg/L		
2	Ag 328.068	-155.2	-155.7	-2.94515	µg/L	-2.94515	µg/L
2	Al 396.140	3655.8	3666.8	454.743	µg/L	454.743	µg/L
2	As 188.979	5.4	5.4	-17.3087	µg/L	-17.3087	µg/L
2	B 249.773	459.3	460.7	25.6168	µg/L	25.6168	µg/L
2	Ba 455.403	23731.8	23803.3	22.6991	µg/L	22.6991	µg/L
2	Be 234.861	87.5	87.8	-0.285896	µg/L	-0.285896	µg/L
2	Ca 315.887	93633.7	93916.0	8.83986	mg/L	8.83986	mg/L
2	Cd 214.438	44.0	44.1	-0.374712	µg/L	-0.374712	µg/L
2	Ce 413.765	19.1	19.2	-12.1033	µg/L	-0.0121033	mg/L
2	Co 228.616	-3.5	-3.6	3.25706	µg/L	3.25706	µg/L
2	Cr 205.560	67.5	67.7	7.54488	µg/L	7.54488	µg/L
2	Cu 327.394	61.4	61.6	7.28193	µg/L	7.28193	µg/L
2	Fe 238.204	3277.1	3286.9	344.354	µg/L	344.354	µg/L
2	K 766.514	3200.1	3209.8	0.329571	mg/L	0.329571	mg/L

2 Li 670.781	343.7	344.7	-1.42915 µg/L	-1.42915 µg/L	
2 Mg 279.074	2597.1	2604.9	1.96544 mg/L	1.96544 mg/L	
2 Mn 257.610	724.9	727.1	9.60840 µg/L	9.60840 µg/L	
2 Mo 202.031	10.6	10.6	1.26027 µg/L	1.26027 µg/L	
2 Na 589.594	39688.8	39808.5	2.42714 mg/L	2.42714 mg/L	
2 Ni 231.603	84.3	84.5	-3.95591 µg/L	-3.95591 µg/L	
2 Pb 220.353	-3.9	-3.9	14.3185 µg/L	14.3185 µg/L	
2 Sb 206.831	5.1	5.1	8.27283 µg/L	8.27283 µg/L	
2 Se 196.026	65.7	65.9	-17.0086 µg/L	-17.0086 µg/L	
2 Si 251.611	12457.1	12494.7	2358.55 µg/L	2358.55 µg/L	
2 Sn 189.933	-4.4	-4.4	-27.7358 µg/L	-27.7358 µg/L	
2 Sr 407.771	48163.0	48308.2	31.7020 µg/L	31.7020 µg/L	
2 Ti 334.941	2613.8	2621.7	7.41736 µg/L	7.41736 µg/L	
2 Tl 190.800	14.6	14.7	-20.1002 µg/L	-20.1002 µg/L	
2 V 292.402	-281.7	-282.5	1.77479 µg/L	1.77479 µg/L	
2 Zn 206.200	20.5	20.5	7.52224 µg/L	7.52224 µg/L	

Mean Data

ID: 1002144-22 Seq. No.: 54 Sample No.: 32 A/S Pos: 48
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 10:46:37 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	435018.6	99.7	0.06	µg/L				0.06%
Y 360.064	266919.4	99.0	0.08	µg/L				0.08%
Ag 328.068	-127.4	-1.84189	1.560233	µg/L	-1.84189	1.560233	µg/L	84.71%
Al 396.140	3497.0	432.894	30.8993	µg/L	432.894	30.8993	µg/L	7.14%
As 188.979	8.1	-1.95584	21.712276	µg/L	-1.95584	21.712276	µg/L	>999.9%
B 249.773	443.5	23.9181	2.40244	µg/L	23.9181	2.40244	µg/L	10.04%
Ba 455.403	23722.1	22.5692	0.18372	µg/L	22.5692	0.18372	µg/L	0.81%
Be 234.861	99.5	-0.153613	0.1870762	µg/L	-0.153613	0.1870762	µg/L	121.78%
Ca 315.887	93419.8	8.79308	0.066168	mg/L	8.79308	0.066168	mg/L	0.75%
Cd 214.438	48.2	0.220052	0.8411242	µg/L	0.220052	0.8411242	µg/L	382.24%
Ce 413.765	27.7	-10.8226	1.81121	µg/L	-0.0108226	0.00181121	mg/L	16.74%
Co 228.616	-13.5	0.291913	4.1933487	µg/L	0.291913	4.1933487	µg/L	>999.9%
Cr 205.560	66.4	6.35589	1.681488	µg/L	6.35589	1.681488	µg/L	26.46%
Cu 327.394	19.3	4.34721	4.150310	µg/L	4.34721	4.150310	µg/L	95.47%
Fe 238.204	3291.0	344.793	0.6206	µg/L	344.793	0.6206	µg/L	0.18%
K 766.514	3187.2	0.322751	0.0096443	mg/L	0.322751	0.0096443	mg/L	2.99%
Li 670.781	394.7	-1.11053	0.450599	µg/L	-1.11053	0.450599	µg/L	40.58%
Mg 279.074	2535.5	1.91300	0.074160	mg/L	1.91300	0.074160	mg/L	3.88%
Mn 257.610	723.2	9.55676	0.073034	µg/L	9.55676	0.073034	µg/L	0.76%
Mo 202.031	7.9	-2.76878	5.697930	µg/L	-2.76878	5.697930	µg/L	205.79%
Na 589.594	39591.1	2.41273	0.020368	mg/L	2.41273	0.020368	mg/L	0.84%
Ni 231.603	78.1	-7.69641	5.289867	µg/L	-7.69641	5.289867	µg/L	68.73%
Pb 220.353	-4.5	12.3588	2.77141	µg/L	12.3588	2.77141	µg/L	22.42%
Sb 206.831	2.3	-5.91138	20.059503	µg/L	-5.91138	20.059503	µg/L	339.34%
Se 196.026	67.4	-5.85972	15.766959	µg/L	-5.85972	15.766959	µg/L	269.07%
Si 251.611	12451.7	2349.58	12.681	µg/L	2349.58	12.681	µg/L	0.54%
Sn 189.933	-4.3	-26.9409	1.12412	µg/L	-26.9409	1.12412	µg/L	4.17%
Sr 407.771	48002.8	31.4835	0.30901	µg/L	31.4835	0.30901	µg/L	0.98%
Ti 334.941	2586.4	7.04367	0.528479	µg/L	7.04367	0.528479	µg/L	7.50%
Tl 190.800	16.7	-8.23729	16.776685	µg/L	-8.23729	16.776685	µg/L	203.67%
V 292.402	-270.3	2.56329	1.115108	µg/L	2.56329	1.115108	µg/L	43.50%
Zn 206.200	21.7	8.05096	0.747725	µg/L	8.05096	0.747725	µg/L	9.29%

Replicate Data

ID: 1002144-23 Date: 2/18/10 10:49:55 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	436096.0	436096.0	99.9	µg/L		
1	Y 360.064	267376.4	267376.4	99.2	µg/L		
1	Ag 328.068	-133.9	-134.0	-2.10039	µg/L	-2.10039	µg/L
1	Al 396.140	1063.6	1064.6	119.993	µg/L	119.993	µg/L
1	As 188.979	1.8	1.8	-37.7653	µg/L	-37.7653	µg/L
1	B 249.773	319.9	320.2	11.7235	µg/L	11.7235	µg/L
1	Ba 455.403	11389.5	11400.4	2.87658	µg/L	2.87658	µg/L
1	Be 234.861	103.1	103.2	-0.111122	µg/L	-0.111122	µg/L
1	Ca 315.887	74393.6	74464.7	7.00607	mg/L	7.00607	mg/L

1 Cd 214.438	45.9	46.0	-0.104219 µg/L	-0.104219 µg/L	
1 Ce 413.765	148.1	148.3	7.28959 µg/L	0.0072896 mg/L	
1 Co 228.616	-18.8	-18.9	-1.32502 µg/L	-1.32502 µg/L	
1 Cr 205.560	56.8	56.8	-2.13538 µg/L	-2.13538 µg/L	
1 Cu 327.394	-83.6	-83.7	-2.81258 µg/L	-2.81258 µg/L	
1 Fe 238.204	738.2	738.9	69.6623 µg/L	69.6623 µg/L	
1 K 766.514	3786.4	3790.1	0.504803 mg/L	0.504803 mg/L	
1 Li 670.781	339.6	339.9	-1.45989 µg/L	-1.45989 µg/L	
1 Mg 279.074	2514.1	2516.5	1.89844 mg/L	1.89844 mg/L	
1 Mn 257.610	103.5	103.6	1.47119 µg/L	1.47119 µg/L	
1 Mo 202.031	9.3	9.3	-0.637250 µg/L	-0.637250 µg/L	
1 Na 589.594	31739.4	31769.7	1.89469 mg/L	1.89469 mg/L	
1 Ni 231.603	81.9	82.0	-5.43282 µg/L	-5.43282 µg/L	
1 Pb 220.353	-11.6	-11.6	-12.6021 µg/L	-12.6021 µg/L	
1 Sb 206.831	3.3	3.3	-0.625927 µg/L	-0.625927 µg/L	
1 Se 196.026	63.6	63.6	-33.4948 µg/L	-33.4948 µg/L	
1 Si 251.611	8715.9	8724.3	1571.88 µg/L	1571.88 µg/L	
1 Sn 189.933	-1.4	-1.4	0.0684011 µg/L	0.0684011 µg/L	
1 Sr 407.771	29087.5	29115.3	17.9678 µg/L	17.9678 µg/L	
1 Ti 334.941	1836.7	1838.5	-0.882537 µg/L	-0.882537 µg/L	
1 Tl 190.800	15.0	15.0	-18.1727 µg/L	-18.1727 µg/L	
1 V 292.402	-284.7	-285.0	1.61749 µg/L	1.61749 µg/L	
1 Zn 206.200	2.6	2.6	-0.420199 µg/L	-0.420199 µg/L	
2 Sc 357.253	438232.8	438232.8	100.4 µg/L		
2 Y 360.064	268789.7	268789.7	99.7 µg/L		
2 Ag 328.068	-89.9	-89.6	-0.370513 µg/L	-0.370513 µg/L	
2 Al 396.140	990.4	986.6	109.952 µg/L	109.952 µg/L	
2 As 188.979	8.5	8.5	0.239761 µg/L	0.239761 µg/L	
2 B 249.773	319.3	318.0	11.5057 µg/L	11.5057 µg/L	
2 Ba 455.403	11361.5	11316.9	2.74312 µg/L	2.74312 µg/L	
2 Be 234.861	114.1	113.7	0.0081165 µg/L	0.0081165 µg/L	
2 Ca 315.887	75803.5	75506.0	7.10424 mg/L	7.10424 mg/L	
2 Cd 214.438	40.0	39.9	-0.995785 µg/L	-0.995785 µg/L	
2 Ce 413.765	50.3	50.1	-7.45550 µg/L	-0.0074555 mg/L	
2 Co 228.616	-19.2	-19.1	-1.38907 µg/L	-1.38907 µg/L	
2 Cr 205.560	68.5	68.2	7.97311 µg/L	7.97311 µg/L	
2 Cu 327.394	-9.6	-9.6	2.33803 µg/L	2.33803 µg/L	
2 Fe 238.204	749.4	746.5	70.4817 µg/L	70.4817 µg/L	
2 K 766.514	3799.4	3784.5	0.503121 mg/L	0.503121 mg/L	
2 Li 670.781	409.1	407.5	-1.02899 µg/L	-1.02899 µg/L	
2 Mg 279.074	2567.0	2556.9	1.92894 mg/L	1.92894 mg/L	
2 Mn 257.610	106.2	105.7	1.49883 µg/L	1.49883 µg/L	
2 Mo 202.031	13.0	13.0	4.85852 µg/L	4.85852 µg/L	
2 Na 589.594	32295.3	32168.6	1.92111 mg/L	1.92111 mg/L	
2 Ni 231.603	77.9	77.6	-8.01733 µg/L	-8.01733 µg/L	
2 Pb 220.353	-14.3	-14.2	-21.8737 µg/L	-21.8737 µg/L	
2 Sb 206.831	-1.8	-1.8	-25.8504 µg/L	-25.8504 µg/L	
2 Se 196.026	64.1	63.8	-32.3283 µg/L	-32.3283 µg/L	
2 Si 251.611	8818.4	8783.8	1584.29 µg/L	1584.29 µg/L	
2 Sn 189.933	-6.2	-6.2	-43.8280 µg/L	-43.8280 µg/L	
2 Sr 407.771	29652.8	29536.5	18.2692 µg/L	18.2692 µg/L	
2 Ti 334.941	1796.2	1789.2	-1.40474 µg/L	-1.40474 µg/L	
2 Tl 190.800	20.1	20.0	11.4397 µg/L	11.4397 µg/L	
2 V 292.402	-255.1	-254.1	3.60310 µg/L	3.60310 µg/L	
2 Zn 206.200	12.4	12.4	3.90615 µg/L	3.90615 µg/L	

Mean Data

ID: 1002144-23 Seq. No.: 55 Sample No.: 33 A/S Pos: 49
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 10:49:55 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	437164.4	100.1	0.35	µg/L				0.35%
Y 360.064	268083.1	99.4	0.37	µg/L				0.37%
Ag 328.068	-111.8	-1.23545	1.223207	µg/L	-1.23545	1.223207	µg/L	99.01%
Al 396.140	1025.6	114.973	7.0999	µg/L	114.973	7.0999	µg/L	6.18%
As 188.979	5.1	-18.7628	26.87363	µg/L	-18.7628	26.87363	µg/L	143.23%
B 249.773	319.1	11.6146	0.15401	µg/L	11.6146	0.15401	µg/L	1.33%
Ba 455.403	11358.6	2.80985	0.094369	µg/L	2.80985	0.094369	µg/L	3.36%
Be 234.861	108.4	-0.0515026	0.08431414	µg/L	-0.0515026	0.08431414	µg/L	163.71%

Ca 315.887	74985.4	7.05516	0.069416	mg/L	7.05516	0.069416 mg/L	0.98%
Cd 214.438	42.9	-0.550002	0.6304325	µg/L	-0.550002	0.6304325 µg/L	114.62%
Ce 413.765	99.2	-0.0829548	10.4263507	µg/L	-0.0000830	0.01042635 mg/L	>999.9%
Co 228.616	-19.0	-1.35704	0.045285	µg/L	-1.35704	0.045285 µg/L	3.34%
Cr 205.560	62.5	2.91887	7.147781	µg/L	2.91887	7.147781 µg/L	244.88%
Cu 327.394	-46.6	-0.237275	3.6420360	µg/L	-0.237275	3.6420360 µg/L	>999.9%
Fe 238.204	742.7	70.0720	0.57939	µg/L	70.0720	0.57939 µg/L	0.83%
K 766.514	3787.3	0.503962	0.0011889	mg/L	0.503962	0.0011889 mg/L	0.24%
Li 670.781	373.7	-1.24444	0.304692	µg/L	-1.24444	0.304692 µg/L	24.48%
Mg 279.074	2536.7	1.91369	0.021572	mg/L	1.91369	0.021572 mg/L	1.13%
Mn 257.610	104.7	1.48501	0.019545	µg/L	1.48501	0.019545 µg/L	1.32%
Mo 202.031	11.1	2.11063	3.886093	µg/L	2.11063	3.886093 µg/L	184.12%
Na 589.594	31969.2	1.90790	0.018682	mg/L	1.90790	0.018682 mg/L	0.98%
Ni 231.603	79.8	-6.72507	1.827523	µg/L	-6.72507	1.827523 µg/L	27.17%
Pb 220.353	-12.9	-17.2379	6.55602	µg/L	-17.2379	6.55602 µg/L	38.03%
Sb 206.831	0.8	-13.2382	17.83642	µg/L	-13.2382	17.83642 µg/L	134.73%
Se 196.026	63.7	-32.9116	0.82489	µg/L	-32.9116	0.82489 µg/L	2.51%
Si 251.611	8754.0	1578.08	8.778	µg/L	1578.08	8.778 µg/L	0.56%
Sn 189.933	-3.8	-21.8798	31.03945	µg/L	-21.8798	31.03945 µg/L	141.86%
Sr 407.771	29325.9	18.1185	0.21310	µg/L	18.1185	0.21310 µg/L	1.18%
Ti 334.941	1813.8	-1.14364	0.369254	µg/L	-1.14364	0.369254 µg/L	32.29%
Tl 190.800	17.5	-3.36651	20.939157	µg/L	-3.36651	20.939157 µg/L	621.98%
V 292.402	-269.5	2.61029	1.404037	µg/L	2.61029	1.404037 µg/L	53.79%
Zn 206.200	7.5	1.74298	3.059192	µg/L	1.74298	3.059192 µg/L	175.52%

Replicate Data ----------

ID: 1002144-24 Date: 2/18/10 10:53:15 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units		Sample Conc.	Units
1	Sc 357.253	437695.7	437695.7	100.3	µg/L			
1	Y 360.064	268561.4	268561.4	99.6	µg/L			
1	Ag 328.068	-169.0	-168.5	-3.44509	µg/L		-3.44509	µg/L
1	Al 396.140	1024.3	1021.5	114.447	µg/L		114.447	µg/L
1	As 188.979	7.1	7.1	-7.60454	µg/L		-7.60454	µg/L
1	B 249.773	307.3	306.4	10.3582	µg/L		10.3582	µg/L
1	Ba 455.403	10522.0	10493.5	1.42723	µg/L		1.42723	µg/L
1	Be 234.861	95.2	95.0	-0.204640	µg/L		-0.204640	µg/L
1	Ca 315.887	75352.4	75148.8	7.07056	mg/L		7.07056	mg/L
1	Cd 214.438	53.1	52.9	0.914601	µg/L		0.914601	µg/L
1	Ce 413.765	59.3	59.2	-6.09454	µg/L		-0.0060945	mg/L
1	Co 228.616	-2.0	-2.0	3.73514	µg/L		3.73514	µg/L
1	Cr 205.560	62.2	62.0	2.46244	µg/L		2.46244	µg/L
1	Cu 327.394	33.5	33.5	5.32771	µg/L		5.32771	µg/L
1	Fe 238.204	584.7	583.1	52.8680	µg/L		52.8680	µg/L
1	K 766.514	4082.2	4071.2	0.589734	mg/L		0.589734	mg/L
1	Li 670.781	377.4	376.4	-1.22684	µg/L		-1.22684	µg/L
1	Mg 279.074	2479.8	2473.1	1.86568	mg/L		1.86568	mg/L
1	Mn 257.610	64.5	64.3	0.958086	µg/L		0.958086	µg/L
1	Mo 202.031	7.2	7.2	-3.80902	µg/L		-3.80902	µg/L
1	Na 589.594	38135.6	38032.5	2.30950	mg/L		2.30950	mg/L
1	Ni 231.603	78.4	78.2	-7.63433	µg/L		-7.63433	µg/L
1	Pb 220.353	-7.4	-7.4	1.99296	µg/L		1.99296	µg/L
1	Sb 206.831	-4.3	-4.3	-38.3441	µg/L		-38.3441	µg/L
1	Se 196.026	69.9	69.7	11.1570	µg/L		11.1570	µg/L
1	Si 251.611	8731.2	8707.6	1568.40	µg/L		1568.40	µg/L
1	Sn 189.933	-2.4	-2.4	-9.01755	µg/L		-9.01755	µg/L
1	Sr 407.771	29756.9	29676.5	18.3694	µg/L		18.3694	µg/L
1	Ti 334.941	1783.5	1778.7	-1.51602	µg/L		-1.51602	µg/L
1	Tl 190.800	17.0	16.9	-6.74274	µg/L	W	-6.74274	µg/L
1	V 292.402	-299.5	-298.7	0.737510	µg/L		0.737510	µg/L
1	Zn 206.200	6.2	6.2	1.18382	µg/L		1.18382	µg/L
2	Sc 357.253	438555.5	438555.5	100.5	µg/L			
2	Y 360.064	268916.2	268916.2	99.7	µg/L			
2	Ag 328.068	-136.2	-135.6	-2.16278	µg/L		-2.16278	µg/L
2	Al 396.140	1019.6	1014.9	113.594	µg/L		113.594	µg/L
2	As 188.979	13.3	13.3	26.9639	µg/L		26.9639	µg/L
2	B 249.773	318.6	317.1	11.4140	µg/L		11.4140	µg/L
2	Ba 455.403	10680.0	10630.3	1.64575	µg/L		1.64575	µg/L
2	Be 234.861	99.4	98.9	-0.159980	µg/L		-0.159980	µg/L

2 Ca 315.887	76133.7	75779.1	7.12998 mg/L	7.12998 mg/L
2 Cd 214.438	42.2	42.0	-0.681075 µg/L	-0.681075 µg/L
2 Ce 413.765	9.7	9.7	-13.5274 µg/L	-0.0135274 mg/L
2 Co 228.616	-17.4	-17.3	-0.854864 µg/L	-0.854864 µg/L
2 Cr 205.560	58.6	58.4	-0.765875 µg/L	-0.765875 µg/L
2 Cu 327.394	14.2	14.2	3.98840 µg/L	3.98840 µg/L
2 Fe 238.204	556.7	554.1	49.7471 µg/L	49.7471 µg/L
2 K 766.514	3791.3	3773.7	0.499854 mg/L	0.499854 mg/L
2 Li 670.781	580.5	577.8	0.0577268 µg/L	0.0577268 µg/L
2 Mg 279.074	2496.1	2484.5	1.87427 mg/L	1.87427 mg/L
2 Mn 257.610	66.8	66.5	0.986354 µg/L	0.986354 µg/L
2 Mo 202.031	9.9	9.8	0.0962874 µg/L	0.0962874 µg/L
2 Na 589.594	38850.9	38670.0	2.35173 mg/L	2.35173 mg/L
2 Ni 231.603	101.4	100.9	5.67040 µg/L	5.67040 µg/L
2 Pb 220.353	-15.5	-15.4	-26.2320 µg/L	-26.2320 µg/L
2 Sb 206.831	-1.9	-1.9	-26.4097 µg/L	-26.4097 µg/L
2 Se 196.026	67.6	67.3	-6.70428 µg/L	-6.70428 µg/L
2 Si 251.611	8829.4	8788.2	1585.22 µg/L	1585.22 µg/L
2 Sn 189.933	-2.2	-2.2	-7.70065 µg/L	-7.70065 µg/L
2 Sr 407.771	30031.9	29892.1	18.5236 µg/L	18.5236 µg/L
2 Ti 334.941	1777.1	1768.9	-1.62021 µg/L	-1.62021 µg/L
2 Tl 190.800	21.0	20.9	16.6015 µg/L	16.6015 µg/L
2 V 292.402	-253.7	-252.5	3.70461 µg/L	3.70461 µg/L
2 Zn 206.200	2.9	2.9	-0.268978 µg/L	-0.268978 µg/L

Mean Data

ID: 1002144-24 Seq. No.: 56 Sample No.: 34 A/S Pos: 50
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 10:53:15 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Sc 357.253	438125.6	100.4	0.14	µg/L				0.14%
Y 360.064	268738.8	99.7	0.09	µg/L				0.09%
Ag 328.068	-152.1	-2.80394	0.906731	µg/L	-2.80394	0.906731	µg/L	32.34%
Al 396.140	1018.2	114.020	0.6028	µg/L	114.020	0.6028	µg/L	0.53%
As 188.979	10.2	9.67969	24.443593	µg/L	9.67969	24.443593	µg/L	252.52%
B 249.773	311.8	10.8861	0.74652	µg/L	10.8861	0.74652	µg/L	6.86%
Ba 455.403	10561.9	1.53649	0.154517	µg/L	1.53649	0.154517	µg/L	10.06%
Be 234.861	96.9	-0.182310	0.0315790	µg/L	-0.182310	0.0315790	µg/L	17.32%
Ca 315.887	75464.0	7.10027	0.042017	mg/L	7.10027	0.042017	mg/L	0.59%
Cd 214.438	47.5	0.116763	1.1283137	µg/L	0.116763	1.1283137	µg/L	966.33%
Ce 413.765	34.4	-9.81095	5.255792	µg/L	-0.0098109	0.00525579	mg/L	53.57%
Co 228.616	-9.6	1.44014	3.245625	µg/L	1.44014	3.245625	µg/L	225.37%
Cr 205.560	60.2	0.848284	2.2827661	µg/L	0.848284	2.2827661	µg/L	269.10%
Cu 327.394	23.8	4.65805	0.947033	µg/L	4.65805	0.947033	µg/L	20.33%
Fe 238.204	568.6	51.3076	2.20682	µg/L	51.3076	2.20682	µg/L	4.30%
K 766.514	3922.4	0.544794	0.0635546	mg/L	0.544794	0.0635546	mg/L	11.67%
Li 670.781	477.1	-0.584558	0.9083283	µg/L	-0.584558	0.9083283	µg/L	155.39%
Mg 279.074	2478.8	1.86997	0.006073	mg/L	1.86997	0.006073	mg/L	0.32%
Mn 257.610	65.4	0.972220	0.0199889	µg/L	0.972220	0.0199889	µg/L	2.06%
Mo 202.031	8.5	-1.85636	2.761467	µg/L	-1.85636	2.761467	µg/L	148.76%
Na 589.594	38351.3	2.33062	0.029856	mg/L	2.33062	0.029856	mg/L	1.28%
Ni 231.603	89.6	-0.981966	9.4078682	µg/L	-0.981966	9.4078682	µg/L	958.06%
Pb 220.353	-11.4	-12.1195	19.95804	µg/L	-12.1195	19.95804	µg/L	164.68%
Sb 206.831	-3.1	-32.3769	8.43890	µg/L	-32.3769	8.43890	µg/L	26.06%
Se 196.026	68.5	2.22637	12.629856	µg/L	2.22637	12.629856	µg/L	567.28%
Si 251.611	8747.9	1576.81	11.891	µg/L	1576.81	11.891	µg/L	0.75%
Sn 189.933	-2.3	-8.35910	0.931190	µg/L	-8.35910	0.931190	µg/L	11.14%
Sr 407.771	29784.3	18.4465	0.10910	µg/L	18.4465	0.10910	µg/L	0.59%
Ti 334.941	1773.8	-1.56811	0.073673	µg/L	-1.56811	0.073673	µg/L	4.70%
Tl 190.800	18.9	4.92937	16.506847	µg/L	4.92937	16.506847	µg/L	334.87%
V 292.402	-275.6	2.22106	2.098055	µg/L	2.22106	2.098055	µg/L	94.46%
Zn 206.200	4.6	0.457423	1.0272870	µg/L	0.457423	1.0272870	µg/L	224.58%

Replicate Data

ID: 1002144-25 Date: 2/18/10 10:56:35 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	445808.9	445808.9	102.1	µg/L		

1	Y 360.064	273926.8	273926.8	101.6	µg/L	
1	Ag 328.068	-199.2	-195.1	-4.47920	µg/L	-4.47920 µg/L
1	Al 396.140	3601.3	3526.2	436.658	µg/L	436.658 µg/L
1	As 188.979	4.0	3.9	-25.7892	µg/L	-25.7892 µg/L
1	B 249.773	1445.0	1414.9	119.987	µg/L	119.987 µg/L
1	Ba 455.403	14787.7	14479.4	7.79747	µg/L	7.79747 µg/L
1	Be 234.861	99.6	97.5	-0.175969	µg/L	-0.175969 µg/L
1	Ca 315.887	130416.9	127697.5	12.0246	mg/L	12.0246 mg/L
1	Cd 214.438	46.9	45.9	-0.113536	µg/L	-0.113536 µg/L
1	Ce 413.765	52.4	51.3	-7.27774	µg/L	-0.0072777 mg/L
1	Co 228.616	-19.0	-18.6	-1.24800	µg/L	-1.24800 µg/L
1	Cr 205.560	60.4	59.1	-0.0747414	µg/L	-0.0747414 µg/L
1	Cu 327.394	46.5	45.6	6.16980	µg/L	6.16980 µg/L
1	Fe 238.204	3005.0	2942.3	307.205	µg/L	307.205 µg/L
1	K 766.514	3818.8	3739.1	0.489456	mg/L	0.489456 mg/L
1	Li 670.781	555.3	543.8	-0.159565	µg/L	-0.159565 µg/L
1	Mg 279.074	1125.9	1102.4	0.831172	mg/L	0.831172 mg/L
1	Mn 257.610	694.5	680.0	8.99369	µg/L	8.99369 µg/L
1	Mo 202.031	14.0	13.7	5.91588	µg/L	5.91588 µg/L
1	Na 589.594	49196.2	48170.3	2.98155	mg/L	2.98155 mg/L
1	Ni 231.603	89.7	87.9	-1.97972	µg/L	-1.97972 µg/L
1	Pb 220.353	-12.1	-11.9	-13.6863	µg/L	-13.6863 µg/L
1	Sb 206.831	-5.7	-5.6	-44.5150	µg/L	-44.5150 µg/L
1	Se 196.026	67.7	66.3	-13.6174	µg/L	-13.6174 µg/L
1	Si 251.611	20242.2	19820.1	3886.94	µg/L	3886.94 µg/L
1	Sn 189.933	-4.9	-4.8	-31.4999	µg/L	-31.4999 µg/L
1	Sr 407.771	46151.1	45188.7	29.4698	µg/L	29.4698 µg/L
1	Ti 334.941	3197.0	3130.3	12.8081	µg/L	12.8081 µg/L
1	Tl 190.800	19.3	18.9	4.80518	µg/L	4.80518 µg/L
1	V 292.402	-251.2	-245.9	4.12616	µg/L	4.12616 µg/L
1	Zn 206.200	14.7	14.4	4.79795	µg/L	4.79795 µg/L
2	Sc 357.253	441447.2	441447.2	101.1	µg/L	
2	Y 360.064	271011.3	271011.3	100.5	µg/L	
2	Ag 328.068	-185.4	-183.4	-4.02276	µg/L	-4.02276 µg/L
2	Al 396.140	3463.6	3424.9	423.614	µg/L	423.614 µg/L
2	As 188.979	10.0	9.8	7.72858	µg/L	7.72858 µg/L
2	B 249.773	1465.5	1449.1	123.373	µg/L	123.373 µg/L
2	Ba 455.403	14750.3	14585.4	7.96693	µg/L	7.96693 µg/L
2	Be 234.861	115.5	114.2	0.0143718	µg/L	0.0143718 µg/L
2	Ca 315.887	130850.9	129388.3	12.1841	mg/L	12.1841 mg/L
2	Cd 214.438	56.3	55.6	1.31454	µg/L	1.31454 µg/L
2	Ce 413.765	62.1	61.4	-5.76372	µg/L	-0.0057637 mg/L
2	Co 228.616	-17.7	-17.5	-0.928128	µg/L	-0.928128 µg/L
2	Cr 205.560	68.0	67.2	7.13637	µg/L	7.13637 µg/L
2	Cu 327.394	6.4	6.4	3.44517	µg/L	3.44517 µg/L
2	Fe 238.204	3042.1	3008.1	314.296	µg/L	314.296 µg/L
2	K 766.514	3799.7	3757.2	0.494925	mg/L	0.494925 mg/L
2	Li 670.781	560.5	554.2	-0.0930064	µg/L	-0.0930064 µg/L
2	Mg 279.074	1083.9	1071.8	0.808097	mg/L	0.808097 mg/L
2	Mn 257.610	737.4	729.1	9.63477	µg/L	9.63477 µg/L
2	Mo 202.031	8.2	8.1	-2.47992	µg/L	-2.47992 µg/L
2	Na 589.594	49516.1	48962.6	3.03403	mg/L	3.03403 mg/L
2	Ni 231.603	89.3	88.3	-1.73474	µg/L	-1.73474 µg/L
2	Pb 220.353	-9.6	-9.5	-5.18616	µg/L	-5.18616 µg/L
2	Sb 206.831	4.1	4.1	3.10727	µg/L	3.10727 µg/L
2	Se 196.026	64.3	63.6	-33.8608	µg/L	-33.8608 µg/L
2	Si 251.611	20557.0	20327.2	3992.74	µg/L	3992.74 µg/L
2	Sn 189.933	-4.1	-4.1	-24.7977	µg/L	-24.7977 µg/L
2	Sr 407.771	46285.6	45768.2	29.8845	µg/L	29.8845 µg/L
2	Ti 334.941	2961.6	2928.5	10.6691	µg/L	10.6691 µg/L
2	Tl 190.800	15.6	15.4	-15.9045	µg/L	-15.9045 µg/L
2	V 292.402	-168.3	-166.4	9.22988	µg/L	9.22988 µg/L
2	Zn 206.200	9.3	9.2	2.51613	µg/L	2.51613 µg/L

Mean Data

ID: 1002144-25 Seq. No.: 57 Sample No.: 35 A/S Pos: 51
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 10:56:35 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD

Sc 357.253	443628.1	101.6	0.71 µg/L				0.70%
Y 360.064	272469.1	101.1	0.76 µg/L				0.76%
Ag 328.068	-189.2	-4.25098	0.322751 µg/L	-4.25098	0.322751 µg/L		7.59%
Al 396.140	3475.5	430.136	9.2234 µg/L	430.136	9.2234 µg/L		2.14%
As 188.979	6.9	-9.03033	23.700684 µg/L	-9.03033	23.700684 µg/L		262.46%
B 249.773	1432.0	121.680	2.3943 µg/L	121.680	2.3943 µg/L		1.97%
Ba 455.403	14532.4	7.88220	0.119826 µg/L	7.88220	0.119826 µg/L		1.52%
Be 234.861	105.9	-0.0807984	0.13459110 µg/L	-0.0807984	0.13459110 µg/L		166.58%
Ca 315.887	128542.9	12.1043	0.11272 mg/L	12.1043	0.11272 mg/L		0.93%
Cd 214.438	50.8	0.600500	1.0097999 µg/L	0.600500	1.0097999 µg/L		168.16%
Ce 413.765	56.3	-6.52073	1.070574 µg/L	-0.0065207	0.00107057 mg/L		16.42%
Co 228.616	-18.1	-1.08806	0.226183 µg/L	-1.08806	0.226183 µg/L		20.79%
Cr 205.560	63.2	3.53082	5.099028 µg/L	3.53082	5.099028 µg/L		144.42%
Cu 327.394	26.0	4.80748	1.926608 µg/L	4.80748	1.926608 µg/L		40.08%
Fe 238.204	2975.2	310.751	5.0140 µg/L	310.751	5.0140 µg/L		1.61%
K 766.514	3748.2	0.492190	0.0038673 mg/L	0.492190	0.0038673 mg/L		0.79%
Li 670.781	549.0	-0.126286	0.0470644 µg/L	-0.126286	0.0470644 µg/L		37.27%
Mg 279.074	1087.1	0.819634	0.0163164 mg/L	0.819634	0.0163164 mg/L		1.99%
Mn 257.610	704.6	9.31423	0.453312 µg/L	9.31423	0.453312 µg/L		4.87%
Mo 202.031	10.9	1.71798	5.936730 µg/L	1.71798	5.936730 µg/L		345.56%
Na 589.594	48566.5	3.00779	0.037111 mg/L	3.00779	0.037111 mg/L		1.23%
Ni 231.603	88.1	-1.85723	0.173224 µg/L	-1.85723	0.173224 µg/L		9.33%
Pb 220.353	-10.7	-9.43622	6.010501 µg/L	-9.43622	6.010501 µg/L		63.70%
Sb 206.831	-0.7	-20.7039	33.67405 µg/L	-20.7039	33.67405 µg/L		162.65%
Se 196.026	65.0	-23.7391	14.31419 µg/L	-23.7391	14.31419 µg/L		60.30%
Si 251.611	20073.6	3939.84	74.814 µg/L	3939.84	74.814 µg/L		1.90%
Sn 189.933	-4.5	-28.1488	4.73918 µg/L	-28.1488	4.73918 µg/L		16.84%
Sr 407.771	45478.5	29.6771	0.29323 µg/L	29.6771	0.29323 µg/L		0.99%
Ti 334.941	3029.4	11.7386	1.51248 µg/L	11.7386	1.51248 µg/L		12.88%
Tl 190.800	17.1	-5.54964	14.643933 µg/L	-5.54964	14.643933 µg/L		263.87%
V 292.402	-206.2	6.67802	3.608872 µg/L	6.67802	3.608872 µg/L		54.04%
Zn 206.200	11.8	3.65704	1.613485 µg/L	3.65704	1.613485 µg/L		44.12%

Replicate Data

ID: 0B18004-CCV Date: 2/18/10 10:59:58 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	420899.0	420899.0	96.4	µg/L		
1	Y 360.064	257161.2	257161.2	95.4	µg/L		
1	Ag 328.068	12381.0	12840.3	503.025	µg/L		
1	Al 396.140	18835.6	19534.4	2495.94	µg/L		
1	As 188.979	438.4	454.6	2509.40	µg/L		
1	B 249.773	4937.2	5120.3	486.468	µg/L		
1	Ba 455.403	311371.5	322922.4	500.754	µg/L		
1	Be 234.861	4375.6	4538.0	50.2609	µg/L		
1	Ca 315.887	50915.2	52804.0	4.96178	mg/L		
1	Cd 214.438	3338.5	3462.3	501.175	µg/L		
1	Ce 413.765	223.5	231.8	19.8396	µg/L		
1	Co 228.616	1600.4	1659.7	501.122	µg/L		
1	Cr 205.560	585.1	606.8	487.465	µg/L		
1	Cu 327.394	6899.4	7155.3	500.251	µg/L		
1	Fe 238.204	4554.0	4722.9	499.159	µg/L		
1	K 766.514	18153.0	18826.4	5.04761	mg/L		
1	Li 670.781	76284.5	79114.4	500.954	µg/L		
1	Mg 279.074	6234.1	6465.4	4.87932	mg/L		
1	Mn 257.610	36588.5	37945.8	495.339	µg/L		
1	Mo 202.031	330.7	343.0	501.785	µg/L		
1	Na 589.594	75921.9	78738.4	5.00453	mg/L		
1	Ni 231.603	924.8	959.2	509.321	µg/L		
1	Pb 220.353	135.7	140.8	522.077	µg/L		
1	Sb 206.831	492.5	510.8	2506.57	µg/L		
1	Se 196.026	402.6	417.5	2585.17	µg/L		
1	Si 251.611	13016.1	13499.0	2568.08	µg/L		
1	Sn 189.933	232.2	240.8	2208.52	µg/L		
1	Sr 407.771	671003.6	695895.7	495.109	µg/L		
1	Ti 334.941	47256.1	49009.2	499.009	µg/L		
1	Tl 190.800	424.6	440.4	2502.26	µg/L		
1	V 292.402	7166.9	7432.8	497.253	µg/L		
1	Zn 206.200	1088.6	1129.0	497.744	µg/L		

W

2 Sc 357.253	418987.6	418987.6	96.0	µg/L
2 Y 360.064	255828.7	255828.7	94.9	µg/L
2 Ag 328.068	12463.5	12984.8	508.652	µg/L
2 Al 396.140	18935.7	19727.8	2520.81	µg/L
2 As 188.979	447.4	466.1	2574.25	µg/L
2 B 249.773	5045.6	5256.7	499.956	µg/L
2 Ba 455.403	313977.7	327110.8	507.448	µg/L
2 Be 234.861	4363.7	4546.3	50.3551	µg/L
2 Ca 315.887	51017.4	53151.4	4.99454	mg/L
2 Cd 214.438	3355.0	3495.3	506.020	µg/L
2 Ce 413.765	69.5	72.4	-4.10699	µg/L
2 Co 228.616	1583.9	1650.2	498.251	µg/L
2 Cr 205.560	596.6	621.5	500.532	µg/L
2 Cu 327.394	7046.5	7341.2	513.169	µg/L
2 Fe 238.204	4599.9	4792.3	506.641	µg/L
2 K 766.514	18297.0	19062.3	5.11887	mg/L
2 Li 670.781	76941.3	80159.6	507.619	µg/L
2 Mg 279.074	6225.5	6485.9	4.89483	mg/L
2 Mn 257.610	36993.7	38541.1	503.108	µg/L
2 Mo 202.031	328.6	342.3	500.809	µg/L
2 Na 589.594	76469.9	79668.5	5.06614	mg/L
2 Ni 231.603	921.1	959.6	509.569	µg/L
2 Pb 220.353	132.7	138.2	513.070	µg/L
2 Sb 206.831	485.3	505.6	2481.03	µg/L
2 Se 196.026	398.8	415.5	2570.35	µg/L
2 Si 251.611	13119.1	13667.9	2603.32	µg/L
2 Sn 189.933	232.8	242.5	2224.02	µg/L
2 Sr 407.771	677474.5	705811.9	502.205	µg/L
2 Ti 334.941	47533.8	49522.1	504.444	µg/L
2 Tl 190.800	415.9	433.3	2460.51	µg/L
2 V 292.402	7201.9	7503.2	501.775	µg/L
2 Zn 206.200	1080.9	1126.1	496.449	µg/L

Mean Data

ID: 0B18004-CCV
Sample Qty: 1.0000 g
Seq. No.: 58 Sample No.: 8 A/S Pos: 4
Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 10:59:58 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	419943.3	96.2	0.31	µg/L				0.32%
Y 360.064	256495.0	95.1	0.35	µg/L				0.37%
Ag 328.068	12912.5	505.839	3.9790	µg/L				0.79%
Al 396.140	19631.1	2508.38	17.592	µg/L				0.70%
As 188.979	460.4	2541.83	45.855	µg/L				1.80%
B 249.773	5188.5	493.212	9.5372	µg/L				1.93%
Ba 455.403	325016.6	504.101	4.7333	µg/L				0.94%
Be 234.861	4542.1	50.3080	0.06658	µg/L				0.13%
Ca 315.887	52977.7	4.97816	0.023168	mg/L				0.47%
Cd 214.438	3478.8	503.597	3.4255	µg/L				0.68%
Ce 413.765	152.1	7.86629	16.932774	µg/L				215.26%
Co 228.616	1655.0	499.686	2.0298	µg/L				0.41%
Cr 205.560	614.2	493.998	9.2400	µg/L				1.87%
Cu 327.394	7248.3	506.710	9.1343	µg/L				1.80%
Fe 238.204	4757.6	502.900	5.2902	µg/L				1.05%
K 766.514	18944.4	5.08324	0.050390	mg/L				0.99%
Li 670.781	79637.0	504.287	4.7134	µg/L				0.93%
Mg 279.074	6475.6	4.88707	0.010970	mg/L				0.22%
Mn 257.610	38243.5	499.223	5.4932	µg/L				1.10%
Mo 202.031	342.6	501.297	0.6903	µg/L				0.14%
Na 589.594	79203.4	5.03534	0.043562	mg/L				0.87%
Ni 231.603	959.4	509.445	0.1751	µg/L				0.03%
Pb 220.353	139.5	517.573	6.3689	µg/L				1.23%
Sb 206.831	508.2	2493.80	18.058	µg/L				0.72%
Se 196.026	416.5	2577.76	10.476	µg/L				0.41%
Si 251.611	13583.4	2585.70	24.917	µg/L				0.96%
Sn 189.933	241.6	2216.27	10.964	µg/L				0.49%
*QC exceeds lower limit for Sn 189.933		Recovery = 88.65%		Action = Continue				
Sr 407.771	700853.8	498.657	5.0176	µg/L				1.01%
Ti 334.941	49265.6	501.727	3.8433	µg/L				0.77%
Tl 190.800	436.8	2481.39	29.519	µg/L				1.19%
V 292.402	7468.0	499.514	3.1975	µg/L				0.64%

Zn 206.200 1127.5 497.096 0.9160 µg/L 0.18%

Replicate Data
ID: 0B18004-CCB Date: 2/18/10 11:03:20 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	409791.3	409791.3	93.9	µg/L		
1	Y 360.064	250534.7	250534.7	92.9	µg/L		
1	Ag 328.068	-85.9	-91.5	-0.446199	µg/L		
1	Al 396.140	-221.3	-235.8	-47.2850	µg/L		
1	As 188.979	4.6	4.9	-20.2534	µg/L		
1	B 249.773	151.9	161.8	-3.94933	µg/L		
1	Ba 455.403	8437.6	8987.8	-0.979261	µg/L		
1	Be 234.861	103.4	110.1	-0.0324579	µg/L		
1	Ca 315.887	-550.1	-585.9	-0.0694114	mg/L		
1	Cd 214.438	45.9	48.9	0.327835	µg/L		
1	Ce 413.765	-17.7	-18.9	-17.8123	µg/L		
1	Co 228.616	-6.7	-7.2	2.17139	µg/L		
1	Cr 205.560	55.5	59.1	-0.128110	µg/L		
1	Cu 327.394	-71.4	-76.1	-2.28524	µg/L		
1	Fe 238.204	102.1	108.8	1.73324	µg/L		
1	K 766.514	2096.7	2233.4	0.0342005	mg/L		
1	Li 670.781	304.2	324.0	-1.56132	µg/L		
1	Mg 279.074	-38.8	-41.4	-0.0340271	mg/L		
1	Mn 257.610	-213.5	-227.4	-2.84927	µg/L		
1	Mo 202.031	-2.9	-3.1	-19.3400	µg/L		
1	Na 589.594	2565.1	2732.3	-0.0286084	mg/L		
1	Ni 231.603	87.8	93.5	1.33689	µg/L		
1	Pb 220.353	-7.1	-7.6	1.41589	µg/L		
1	Sb 206.831	-5.0	-5.4	-43.4755	µg/L		
1	Se 196.026	68.3	72.8	34.0040	µg/L		
1	Si 251.611	1142.3	1216.8	5.49323	µg/L		
1	Sn 189.933	-1.3	-1.4	-0.186016	µg/L		
1	Sr 407.771	865.8	922.3	-2.20683	µg/L		
1	Ti 334.941	1663.2	1771.6	-1.59074	µg/L		
1	Tl 190.800	11.1	11.9	-36.6947	µg/L		
1	V 292.402	-231.6	-246.7	4.07647	µg/L		
1	Zn 206.200	-1.2	-1.3	-2.12733	µg/L		
2	Sc 357.253	409850.7	409850.7	93.9	µg/L		
2	Y 360.064	250355.7	250355.7	92.9	µg/L		
2	Ag 328.068	-99.0	-105.4	-0.988814	µg/L		
2	Al 396.140	-134.6	-143.4	-35.4024	µg/L		
2	As 188.979	-3.5	-3.7	-68.4797	µg/L		
2	B 249.773	134.7	143.5	-5.75763	µg/L		
2	Ba 455.403	8189.4	8722.2	-1.40375	µg/L		
2	Be 234.861	91.1	97.0	-0.181800	µg/L		
2	Ca 315.887	-439.3	-467.9	-0.0582819	mg/L		
2	Cd 214.438	47.4	50.5	0.562046	µg/L		
2	Ce 413.765	135.4	144.2	6.67636	µg/L		
2	Co 228.616	-20.1	-21.4	-2.07747	µg/L		
2	Cr 205.560	62.1	66.1	6.11473	µg/L		
2	Cu 327.394	-78.3	-83.4	-2.79493	µg/L		
2	Fe 238.204	107.1	114.0	2.30366	µg/L		
2	K 766.514	1989.6	2119.1	-0.0003326	mg/L		
2	Li 670.781	264.3	281.5	-1.83250	µg/L		
2	Mg 279.074	20.0	21.4	0.0133245	mg/L		
2	Mn 257.610	-202.2	-215.4	-2.69189	µg/L		
2	Mo 202.031	5.3	5.7	-6.16133	µg/L		
2	Na 589.594	2622.2	2792.8	-0.0246018	mg/L		
2	Ni 231.603	98.7	105.1	8.13302	µg/L		
2	Pb 220.353	-7.1	-7.6	1.40935	µg/L		
2	Sb 206.831	-4.4	-4.7	-40.1706	µg/L		
2	Se 196.026	64.0	68.2	0.0315941	µg/L		
2	Si 251.611	1130.0	1203.5	2.71796	µg/L		
2	Sn 189.933	-3.5	-3.7	-21.3965	µg/L		
2	Sr 407.771	758.4	807.7	-2.28881	µg/L		
2	Ti 334.941	1815.7	1933.8	0.128003	µg/L		
2	Tl 190.800	17.4	18.6	2.94694	µg/L		
2	V 292.402	-255.2	-271.8	2.46449	µg/L		

2 Zn 206.200 -0.9 -1.0 -1.98613 µg/L

Mean Data

ID: 0B18004-CCB Seq. No.: 59 Sample No.: 9 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/18/10 11:03:20 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	409821.0	93.9	0.01	µg/L				0.01%
Y 360.064	250445.2	92.9	0.05	µg/L				0.05%
Ag 328.068	-98.5	-0.717506	0.3836868	µg/L				53.48%
Al 396.140	-189.6	-41.3437	8.40232	µg/L				20.32%
As 188.979	0.6	-44.3665	34.10118	µg/L				76.86%
B 249.773	152.6	-4.85348	1.278661	µg/L				26.35%
Ba 455.403	8855.0	-1.19151	0.300162	µg/L				25.19%
Be 234.861	103.6	-0.107129	0.1056009	µg/L				98.57%
Ca 315.887	-526.9	-0.0638466	0.00786974	mg/L				12.33%
Cd 214.438	49.7	0.444941	0.1656119	µg/L				37.22%
Ce 413.765	62.7	-5.56797	17.316103	µg/L				310.99%
Co 228.616	-14.3	0.0469560	3.00439725	µg/L				>999.9%
Cr 205.560	62.6	2.99331	4.414357	µg/L				147.47%
Cu 327.394	-79.8	-2.54008	0.360408	µg/L				14.19%
Fe 238.204	111.4	2.01845	0.403347	µg/L				19.98%
K 766.514	2176.2	0.0169340	0.02441855	mg/L				144.20%
Li 670.781	302.7	-1.69691	0.191752	µg/L				11.30%
Mg 279.074	-10.0	-0.0103513	0.03348263	mg/L				323.46%
Mn 257.610	-221.4	-2.77058	0.111285	µg/L				4.02%
Mo 202.031	1.3	-12.7507	9.31871	µg/L				73.08%
Na 589.594	2762.6	-0.0266051	0.00283304	mg/L				10.65%
Ni 231.603	99.3	4.73495	4.805588	µg/L				101.49%
Pb 220.353	-7.6	1.41262	0.004625	µg/L				0.33%
Sb 206.831	-5.0	-41.8231	2.33692	µg/L				5.59%
Se 196.026	70.5	17.0178	24.02210	µg/L				141.16%
Si 251.611	1210.1	4.10560	1.962416	µg/L				47.80%
Sn 189.933	-2.6	-10.7912	14.99806	µg/L				138.98%
Sr 407.771	865.0	-2.24782	0.057969	µg/L				2.58%
Ti 334.941	1852.7	-0.731368	1.2153341	µg/L				166.17%
Tl 190.800	15.2	-16.8739	28.03088	µg/L				166.12%
V 292.402	-259.2	3.27048	1.139841	µg/L				34.85%
Zn 206.200	-1.1	-2.05673	0.099841	µg/L				4.85%

Due: 3/5
calib. OC03002 [illegible] 3-53

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence

Instrument #: 311
Date: 3/2/10
Analyst: [illegible]

Data File: OC02043
Calibration BLK/ICB/CCB: 5%HNO3/1109060/5%HCL/4109080
Internal Standard #: 0010676

Autosampler Position:

1. BLK/CCB/0020514
2. STD 1/0020510
3. STD 2/0020511
4. STD3/CCV/0020512
5. STD4/0020513
9. DAILY SCV/CCV1/0020515
10. CRL/0021064
11. IFA1/0010740
12. IFA2/0020174
13. IFB1/0010637
14. IFB2/0021065

Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor	Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor
1/17	1001566-BLK1				35/51				
2/18	001				36/52				
3/19	1002144-05				37/53				
4/20					38/54				
5/21					39/55				
6/22					40/56				
7/23					41/57				
8/24					42/58				
9/25					43/59				
10/26					44/60				
11/27					45/61				
12/28					46/62				
13/29					47/63				
14/30					48/64				
15/31					49/65				
16/32					50/66				
17/33					51/67				
18/34					52/68				
19/35					53/69				
20/36					54/70				
21/37					55/71				
22/38					56/72				
23/39					57/73				
24/40					58/74				
25/41					59/75				
26/42					60/76				
27/43					61/77				
28/44					62/78				
29/45					63/79				
30/46					64/80				
31/47					65/81				
32/48					66/82				
33/49					67/83				
34/50					68/84				

Analysis Begun

Start Time: 3/2/2010 12:39:57 PM **Plasma On Time: 3/2/2010 7:08:14 AM**
Logged In Analyst: analystME **Technique: ICP Continuous**
Spectrometer Model: Optima 5300 DV, S/N 077C7032601Autosampler Model: AS-93plus

Sample Information File: C:\pe\analystME\Sample Information\0C02043.sif
Batch ID:
Results Data Set: 0C02043
Results Library: C:\pe\analystME\Results\Results.mdb

Method Loaded
Method Name: Aqueous_6010C_311 **Method Last Saved: 3/2/2010 12:37:17 PM**
IEC File: iec-6.iec **MSF File:**
Method Description: Aqueous_6010C

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Ag 328.068	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Al 396.153	Lin, Calc Int	Peak Area	Radial	Sc 357.234	Yes
As 188.979	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
B 249.677	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Ba 455.398	Lin, Calc Int	Peak Area	Radial	Sc 357.234	No
Be 234.861	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Ca 315.887	Lin, Calc Int	Peak Area	Radial	Sc 357.234	No
Cd 214.437	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Ce 413.764	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Co 228.616	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Cr 205.557	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Cu 327.397	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Fe 238.204	Lin, Calc Int	Peak Area	Radial	Sc 357.234	Yes
K 766.490	Lin, Calc Int	Peak Area	Radial	None	No
Li 670.784	Lin, Calc Int	Peak Area	Radial	Sc 357.234	No
Mg 279.071	Lin, Calc Int	Peak Area	Radial	Sc 357.234	No
Mn 257.610	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Mo 202.031	Lin, Calc Int	Peak Area	Axial	Y 360.076	No
Na 589.592	Lin, Calc Int	Peak Area	Radial	Sc 357.234	No
Ni 231.604	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Pb 220.353	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Sb 217.584	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Sc 357.234	Lin, Calc Int	Peak Area	Radial	n/a	n/a
Se 196.026	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Si 251.611	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Sn 189.927	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Sr 407.771	Lin, Calc Int	Peak Area	Radial	Sc 357.234	No
Ti 334.940	Lin, Calc Int	Peak Area	Radial	Sc 357.234	No
Tl 190.801	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
V 292.395	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Y 360.076	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Zn 206.200	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes

Sequence No.: 1 **Autosampler Location: 1**
Sample ID: 0C02043-CAL1 **Date Collected: 3/2/2010 12:39:59 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0C02043-CAL1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	189983.8	189983.8	99.7533	%	12:41:03
1	Al 396.153†	217.9	218.4	[0.00]	ug/L	12:41:03
1	Ba 455.398†	-50.5	-50.6	[0.00]	ug/L	12:41:03
1	Ca 315.887†	139.1	139.4	[0.00]	mg/L	12:41:23
1	Fe 238.204†	27.4	27.4	[0.00]	ug/L	12:41:23
1	K 766.490	41.0	41.0	[0.00]	mg/L	12:41:03
1	Li 670.784†	54.4	54.5	[0.00]	ug/L	12:41:03

1	Mg 279.071†	13.3	13.3	[0.00]	mg/L	12:41:23
1	Na 589.592†	426.4	427.5	[0.00]	mg/L	12:41:03
1	Sr 407.771†	114.4	114.7	[0.00]	ug/L	12:41:03
1	Ti 334.940†	-38.5	-38.6	[0.00]	ug/L	12:41:23
1	Y 360.076	233542.3	233542.3	100.309	%	12:41:55
1	Ag 328.068†	23.9	23.9	[0.00]	ug/L	12:41:55
1	As 188.979†	-20.3	-20.2	[0.00]	ug/L	12:42:15
1	B 249.677†	251.7	251.0	[0.00]	ug/L	12:42:15
1	Be 234.861†	-746.6	-744.3	[0.00]	ug/L	12:42:15
1	Cd 214.437†	382.8	381.6	[0.00]	ug/L	12:42:15
1	Ce 413.764†	742.5	740.2	[0.00]	ug/L	12:41:55
1	Co 228.616†	-77.5	-77.3	[0.00]	ug/L	12:42:15
1	Cr 205.557†	-30.0	-29.9	[0.00]	ug/L	12:42:15
1	Cu 327.397†	18.7	18.7	[0.00]	ug/L	12:41:55
1	Mn 257.610†	193.2	192.7	[0.00]	ug/L	12:42:15
1	Mo 202.031†	81.3	81.0	[0.00]	ug/L	12:42:15
1	Ni 231.604†	356.1	355.0	[0.00]	ug/L	12:42:15
1	Pb 220.353†	38.1	38.0	[0.00]	ug/L	12:42:15
1	Sb 217.584†	-54.3	-54.2	[0.00]	ug/L	12:42:15
1	Se 196.026†	-43.2	-43.1	[0.00]	ug/L	12:42:15
1	Si 251.611†	467.6	466.2	[0.00]	ug/L	12:42:15
1	Sn 189.927†	-10.2	-10.1	[0.00]	ug/L	12:42:15
1	Tl 190.801†	-31.4	-31.3	[0.00]	ug/L	12:42:15
1	V 292.395†	-1395.6	-1391.3	[0.00]	ug/L	12:41:55
1	Zn 206.200†	-55.0	-54.9	[0.00]	ug/L	12:42:15
2	Sc 357.234	190923.6	190923.6	100.247	%	12:41:29
2	Al 396.153†	204.1	203.6	[0.00]	ug/L	12:41:29
2	Ba 455.398†	50.9	50.8	[0.00]	ug/L	12:41:29
2	Ca 315.887†	133.6	133.2	[0.00]	mg/L	12:41:49
2	Fe 238.204†	28.7	28.6	[0.00]	ug/L	12:41:49
2	K 766.490	118.7	118.7	[0.00]	mg/L	12:41:29
2	Li 670.784†	78.9	78.7	[0.00]	ug/L	12:41:29
2	Mg 279.071†	25.9	25.8	[0.00]	mg/L	12:41:49
2	Na 589.592†	420.8	419.8	[0.00]	mg/L	12:41:29
2	Sr 407.771†	116.7	116.4	[0.00]	ug/L	12:41:29
2	Ti 334.940†	-27.8	-27.7	[0.00]	ug/L	12:41:49
2	Y 360.076	232103.9	232103.9	99.6911	%	12:42:20
2	Ag 328.068†	9.1	9.1	[0.00]	ug/L	12:42:20
2	As 188.979†	-22.2	-22.3	[0.00]	ug/L	12:42:40
2	B 249.677†	261.0	261.8	[0.00]	ug/L	12:42:40
2	Be 234.861†	-754.9	-757.3	[0.00]	ug/L	12:42:40
2	Cd 214.437†	403.3	404.5	[0.00]	ug/L	12:42:40
2	Ce 413.764†	745.7	748.0	[0.00]	ug/L	12:42:20
2	Co 228.616†	-78.4	-78.7	[0.00]	ug/L	12:42:40
2	Cr 205.557†	-28.5	-28.6	[0.00]	ug/L	12:42:40
2	Cu 327.397†	-9.6	-9.7	[0.00]	ug/L	12:42:20
2	Mn 257.610†	193.9	194.5	[0.00]	ug/L	12:42:40
2	Mo 202.031†	79.3	79.5	[0.00]	ug/L	12:42:40
2	Ni 231.604†	351.3	352.4	[0.00]	ug/L	12:42:40
2	Pb 220.353†	40.0	40.1	[0.00]	ug/L	12:42:40
2	Sb 217.584†	-53.4	-53.6	[0.00]	ug/L	12:42:40
2	Se 196.026†	-30.6	-30.7	[0.00]	ug/L	12:42:40
2	Si 251.611†	468.9	470.4	[0.00]	ug/L	12:42:40
2	Sn 189.927†	-1.6	-1.6	[0.00]	ug/L	12:42:40
2	Tl 190.801†	-35.9	-36.0	[0.00]	ug/L	12:42:40
2	V 292.395†	-1368.2	-1372.4	[0.00]	ug/L	12:42:20
2	Zn 206.200†	-59.4	-59.5	[0.00]	ug/L	12:42:40

Mean Data: 0C02043-CAL1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	190453.7	664.52	0.35%	100.000	%
Y 360.076	232823.1	1017.14	0.44%	100.000	%
Ag 328.068†	16.5	10.44	63.40%	[0.00]	ug/L
Al 396.153†	211.0	10.47	4.96%	[0.00]	ug/L
As 188.979†	-21.3	1.45	6.80%	[0.00]	ug/L
B 249.677†	256.4	7.69	3.00%	[0.00]	ug/L
Ba 455.398†	0.1	71.70	>999.9%	[0.00]	ug/L
Be 234.861†	-750.8	9.17	1.22%	[0.00]	ug/L
Ca 315.887†	136.3	4.37	3.20%	[0.00]	mg/L

Cd 214.437†	393.1	16.22	4.13%	[0.00] ug/L
Ce 413.764†	744.1	5.49	0.74%	[0.00] ug/L
Co 228.616†	-78.0	0.98	1.25%	[0.00] ug/L
Cr 205.557†	-29.2	0.89	3.03%	[0.00] ug/L
Cu 327.397†	4.5	20.02	445.21%	[0.00] ug/L
Fe 238.204†	28.0	0.82	2.94%	[0.00] ug/L
K 766.490	79.8	54.95	68.82%	[0.00] mg/L
Li 670.784†	66.6	17.11	25.68%	[0.00] ug/L
Mg 279.071†	19.6	8.85	45.19%	[0.00] mg/L
Mn 257.610†	193.6	1.28	0.66%	[0.00] ug/L
Mo 202.031†	80.3	1.05	1.31%	[0.00] ug/L
Na 589.592†	423.6	5.42	1.28%	[0.00] mg/L
Ni 231.604†	353.7	1.83	0.52%	[0.00] ug/L
Pb 220.353†	39.1	1.49	3.80%	[0.00] ug/L
Sb 217.584†	-53.9	0.41	0.75%	[0.00] ug/L
Se 196.026†	-36.9	8.79	23.82%	[0.00] ug/L
Si 251.611†	468.3	2.96	0.63%	[0.00] ug/L
Sn 189.927†	-5.9	6.04	102.98%	[0.00] ug/L
Sr 407.771†	115.6	1.24	1.07%	[0.00] ug/L
Ti 334.940†	-33.2	7.69	23.19%	[0.00] ug/L
Tl 190.801†	-33.7	3.33	9.89%	[0.00] ug/L
V 292.395†	-1381.8	13.36	0.97%	[0.00] ug/L
Zn 206.200†	-57.2	3.31	5.79%	[0.00] ug/L

Sequence No.: 2 **Autosampler Location: 2**
Sample ID: 0C02043-CAL2 **Date Collected: 3/2/2010 12:43:53 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0C02043-CAL2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	193218.3	193218.3	101.452	%	12:44:58
1	Al 396.153†	438.3	221.0	[50.00]	ug/L	12:44:58
1	Ba 455.398†	2968.9	2926.3	[10.00]	ug/L	12:44:58
1	Ca 315.887†	888.3	739.2	[0.500]	mg/L	12:45:18
1	Fe 238.204†	52.9	24.2	[10.00]	ug/L	12:45:18
1	K 766.490	169.7	89.9	[0.100]	mg/L	12:44:58
1	Li 670.784†	369.2	297.3	[8.00]	ug/L	12:44:58
1	Mg 279.071†	238.4	215.4	[0.500]	mg/L	12:45:18
1	Na 589.592†	3831.3	3352.9	[0.500]	mg/L	12:44:58
1	Sr 407.771†	39333.9	38655.5	[50.00]	ug/L	12:44:58
1	Y 360.076	237472.5	237472.5	101.997	%	12:45:50
1	Ag 328.068†	336.0	312.9	[5.000]	ug/L	12:45:50
1	As 188.979†	46.0	66.4	[100.00]	ug/L	12:46:10
1	B 249.677†	1311.1	1029.1	[50.00]	ug/L	12:46:10
1	Be 234.861†	-571.9	190.1	[1.000]	ug/L	12:46:10
1	Cd 214.437†	499.8	97.0	[5.00]	ug/L	12:46:10
1	Co 228.616†	-9.3	68.9	[10.00]	ug/L	12:46:10
1	Cr 205.557†	78.8	106.5	[10.00]	ug/L	12:46:10
1	Cu 327.397†	354.3	342.9	[10.00]	ug/L	12:45:50
1	Mn 257.610†	1653.1	1427.2	[10.00]	ug/L	12:46:10
1	Ni 231.604†	462.3	99.6	[10.00]	ug/L	12:46:10
1	Pb 220.353†	121.7	80.3	[50.00]	ug/L	12:46:10
1	Sb 217.584†	80.9	133.2	[100.00]	ug/L	12:46:10
1	Se 196.026†	1.4	38.2	[100.00]	ug/L	12:46:10
1	Si 251.611†	1717.3	1215.4	[100.00]	ug/L	12:46:10
1	Sn 189.927†	197.4	199.4	[100.00]	ug/L	12:46:10
1	Tl 190.801†	39.7	72.6	[100.00]	ug/L	12:46:10
1	V 292.395†	-1028.6	373.3	[10.00]	ug/L	12:46:10
1	Zn 206.200†	34.4	90.9	[10.00]	ug/L	12:46:10
2	Sc 357.234	192561.1	192561.1	101.107	%	12:45:23
2	Al 396.153†	442.2	226.3	[50.00]	ug/L	12:45:23
2	Ba 455.398†	3005.4	2972.4	[10.00]	ug/L	12:45:23
2	Ca 315.887†	879.9	733.9	[0.500]	mg/L	12:45:43
2	Fe 238.204†	51.6	23.0	[10.00]	ug/L	12:45:43
2	K 766.490	154.6	74.8	[0.100]	mg/L	12:45:23
2	Li 670.784†	377.6	306.8	[8.00]	ug/L	12:45:23

2	Mg 279.071†	243.9	221.7	[0.500] mg/L	12:45:43
2	Na 589.592†	3802.9	3337.6	[0.500] mg/L	12:45:23
2	Sr 407.771†	39530.4	38982.2	[50.00] ug/L	12:45:23
2	Y 360.076	236856.1	236856.1	101.732 %	12:46:15
2	Ag 328.068†	261.1	240.2	[5.000] ug/L	12:46:15
2	As 188.979†	39.2	59.8	[100.00] ug/L	12:46:35
2	B 249.677†	1306.1	1027.4	[50.00] ug/L	12:46:35
2	Be 234.861†	-565.0	195.4	[1.000] ug/L	12:46:35
2	Cd 214.437†	517.6	115.7	[5.00] ug/L	12:46:35
2	Co 228.616†	-8.4	69.8	[10.00] ug/L	12:46:35
2	Cr 205.557†	86.4	114.2	[10.00] ug/L	12:46:35
2	Cu 327.397†	324.2	314.1	[10.00] ug/L	12:46:15
2	Mn 257.610†	1660.7	1438.8	[10.00] ug/L	12:46:35
2	Ni 231.604†	455.5	94.1	[10.00] ug/L	12:46:35
2	Pb 220.353†	118.5	77.4	[50.00] ug/L	12:46:35
2	Sb 217.584†	79.9	132.5	[100.00] ug/L	12:46:35
2	Se 196.026†	-0.5	36.4	[100.00] ug/L	12:46:35
2	Si 251.611†	1718.6	1221.1	[100.00] ug/L	12:46:35
2	Sn 189.927†	197.6	200.1	[100.00] ug/L	12:46:35
2	Tl 190.801†	39.4	72.4	[100.00] ug/L	12:46:35
2	V 292.395†	-1001.4	397.4	[10.00] ug/L	12:46:35
2	Zn 206.200†	36.8	93.4	[10.00] ug/L	12:46:35

Mean Data: 0C02043-CAL2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	192889.7	464.74	0.24%	101.279	%
Y 360.076	237164.3	435.86	0.18%	101.865	%
Ag 328.068†	276.6	51.41	18.59%	[5.000]	ug/L
Al 396.153†	223.6	3.79	1.69%	[50.00]	ug/L
As 188.979†	63.1	4.66	7.39%	[100.00]	ug/L
B 249.677†	1028.2	1.16	0.11%	[50.00]	ug/L
Ba 455.398†	2949.3	32.59	1.11%	[10.00]	ug/L
Be 234.861†	192.8	3.74	1.94%	[1.000]	ug/L
Ca 315.887†	736.6	3.74	0.51%	[0.500]	mg/L
Cd 214.437†	106.3	13.23	12.45%	[5.00]	ug/L
Co 228.616†	69.3	0.62	0.90%	[10.00]	ug/L
Cr 205.557†	110.4	5.43	4.92%	[10.00]	ug/L
Cu 327.397†	328.5	20.31	6.18%	[10.00]	ug/L
Fe 238.204†	23.6	0.82	3.49%	[10.00]	ug/L
K 766.490	82.4	10.68	12.97%	[0.100]	mg/L
Li 670.784†	302.1	6.75	2.24%	[8.00]	ug/L
Mg 279.071†	218.5	4.43	2.03%	[0.500]	mg/L
Mn 257.610†	1433.0	8.22	0.57%	[10.00]	ug/L
Na 589.592†	3345.3	10.79	0.32%	[0.500]	mg/L
Ni 231.604†	96.8	3.90	4.02%	[10.00]	ug/L
Pb 220.353†	78.8	2.05	2.60%	[50.00]	ug/L
Sb 217.584†	132.8	0.51	0.39%	[100.00]	ug/L
Se 196.026†	37.3	1.33	3.57%	[100.00]	ug/L
Si 251.611†	1218.2	4.03	0.33%	[100.00]	ug/L
Sn 189.927†	199.8	0.53	0.26%	[100.00]	ug/L
Sr 407.771†	38818.9	231.00	0.60%	[50.00]	ug/L
Tl 190.801†	72.5	0.14	0.19%	[100.00]	ug/L
V 292.395†	385.4	17.04	4.42%	[10.00]	ug/L
Zn 206.200†	92.2	1.73	1.88%	[10.00]	ug/L

==========

Sequence No.: 3
Sample ID: 0C02043-CAL3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 3/2/2010 12:47:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0C02043-CAL3

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	188536.9	188536.9	98.9936	%	12:48:53
1	Al 396.153†	1832.0	1639.6	[500.00]	ug/L	12:48:53
1	Ba 455.398†	28676.6	28968.1	[100.00]	ug/L	12:48:53

1	Ca 315.887†	1530.4	1409.7	[1.000]	mg/L	12:49:13
1	Fe 238.204†	241.5	216.0	[100.00]	ug/L	12:49:13
1	K 766.490	820.7	740.8	[1.000]	mg/L	12:48:53
1	Li 670.784†	3543.4	3512.8	[100.00]	ug/L	12:48:53
1	Mg 279.071†	462.0	447.1	[1.000]	mg/L	12:49:13
1	Na 589.592†	7041.9	6689.9	[1.000]	mg/L	12:48:53
1	Sr 407.771†	76719.5	77383.9	[100.00]	ug/L	12:48:53
1	Ti 334.940†	1428.6	1476.3	[100.00]	ug/L	12:49:13
1	Y 360.076	233246.1	233246.1	100.182	%	12:49:45
1	Ag 328.068†	6161.3	6133.6	[100.00]	ug/L	12:49:45
1	As 188.979†	271.8	292.5	[500.00]	ug/L	12:50:05
1	B 249.677†	2298.1	2037.5	[100.00]	ug/L	12:50:05
1	Be 234.861†	1140.4	1889.2	[10.00]	ug/L	12:50:05
1	Cd 214.437†	2777.2	2379.1	[100.00]	ug/L	12:50:05
1	Co 228.616†	557.3	634.3	[100.00]	ug/L	12:50:05
1	Cr 205.557†	1022.8	1050.2	[100.00]	ug/L	12:50:05
1	Cu 327.397†	3120.3	3110.2	[100.00]	ug/L	12:49:45
1	Mn 257.610†	14136.0	13916.8	[100.00]	ug/L	12:49:45
1	Mo 202.031†	775.0	693.3	[100.00]	ug/L	12:50:05
1	Ni 231.604†	1467.7	1111.3	[100.00]	ug/L	12:50:05
1	Pb 220.353†	193.1	153.7	[100.00]	ug/L	12:50:05
1	Sb 217.584†	579.1	632.0	[500.00]	ug/L	12:50:05
1	Se 196.026†	133.2	169.8	[500.00]	ug/L	12:50:05
1	Si 251.611†	5894.1	5415.1	[500.00]	ug/L	12:49:45
1	Sn 189.927†	999.4	1003.4	[500.00]	ug/L	12:50:05
1	Tl 190.801†	354.2	387.2	[500.00]	ug/L	12:50:05
1	V 292.395†	2860.6	4237.3	[100.00]	ug/L	12:50:05
1	Zn 206.200†	822.5	878.2	[100.00]	ug/L	12:50:05
2	Sc 357.234	191422.4	191422.4	100.509	%	12:49:18
2	Al 396.153†	1864.8	1644.3	[500.00]	ug/L	12:49:18
2	Ba 455.398†	29112.8	28965.4	[100.00]	ug/L	12:49:18
2	Ca 315.887†	1524.2	1380.1	[1.000]	mg/L	12:49:39
2	Fe 238.204†	243.7	214.4	[100.00]	ug/L	12:49:39
2	K 766.490	809.6	729.8	[1.000]	mg/L	12:49:18
2	Li 670.784†	3583.4	3498.6	[100.00]	ug/L	12:49:18
2	Mg 279.071†	468.8	446.8	[1.000]	mg/L	12:49:39
2	Na 589.592†	7124.1	6664.4	[1.000]	mg/L	12:49:18
2	Sr 407.771†	77947.0	77437.0	[100.00]	ug/L	12:49:18
2	Ti 334.940†	1416.8	1442.8	[100.00]	ug/L	12:49:39
2	Y 360.076	235129.9	235129.9	100.991	%	12:50:10
2	Ag 328.068†	6196.3	6119.1	[100.00]	ug/L	12:50:10
2	As 188.979†	264.5	283.1	[500.00]	ug/L	12:50:30
2	B 249.677†	2302.5	2023.5	[100.00]	ug/L	12:50:30
2	Be 234.861†	1156.9	1896.3	[10.00]	ug/L	12:50:30
2	Cd 214.437†	2784.9	2364.5	[100.00]	ug/L	12:50:30
2	Co 228.616†	547.8	620.4	[100.00]	ug/L	12:50:30
2	Cr 205.557†	1023.1	1042.3	[100.00]	ug/L	12:50:30
2	Cu 327.397†	3139.1	3103.8	[100.00]	ug/L	12:50:10
2	Mn 257.610†	14271.5	13937.9	[100.00]	ug/L	12:50:10
2	Mo 202.031†	800.5	712.4	[100.00]	ug/L	12:50:30
2	Ni 231.604†	1454.7	1086.8	[100.00]	ug/L	12:50:30
2	Pb 220.353†	199.2	158.2	[100.00]	ug/L	12:50:30
2	Sb 217.584†	577.9	626.2	[500.00]	ug/L	12:50:30
2	Se 196.026†	138.3	173.8	[500.00]	ug/L	12:50:30
2	Si 251.611†	5948.2	5421.6	[500.00]	ug/L	12:50:10
2	Sn 189.927†	1000.3	996.3	[500.00]	ug/L	12:50:30
2	Tl 190.801†	349.7	379.9	[500.00]	ug/L	12:50:30
2	V 292.395†	2845.3	4199.2	[100.00]	ug/L	12:50:30
2	Zn 206.200†	816.8	866.0	[100.00]	ug/L	12:50:30

Mean Data: 0C02043-CAL3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	189979.6	2040.32	1.07%	99.7511	%
Y 360.076	234188.0	1332.06	0.57%	100.586	%
Ag 328.068†	6126.4	10.30	0.17%	[100.00]	ug/L
Al 396.153†	1642.0	3.30	0.20%	[500.00]	ug/L
As 188.979†	287.8	6.65	2.31%	[500.00]	ug/L
B 249.677†	2030.5	9.91	0.49%	[100.00]	ug/L
Ba 455.398†	28966.7	1.89	0.01%	[100.00]	ug/L

Be 234.861†	1892.7	5.04	0.27%	[10.00]	ug/L
Ca 315.887†	1394.9	20.87	1.50%	[1.000]	mg/L
Cd 214.437†	2371.8	10.29	0.43%	[100.00]	ug/L
Co 228.616†	627.3	9.86	1.57%	[100.00]	ug/L
Cr 205.557†	1046.2	5.53	0.53%	[100.00]	ug/L
Cu 327.397†	3107.0	4.49	0.14%	[100.00]	ug/L
Fe 238.204†	215.2	1.11	0.52%	[100.00]	ug/L
K 766.490	735.3	7.81	1.06%	[1.000]	mg/L
Li 670.784†	3505.7	10.03	0.29%	[100.00]	ug/L
Mg 279.071†	447.0	0.16	0.04%	[1.000]	mg/L
Mn 257.610†	13927.4	14.88	0.11%	[100.00]	ug/L
Mo 202.031†	702.8	13.53	1.92%	[100.00]	ug/L
Na 589.592†	6677.1	17.99	0.27%	[1.000]	mg/L
Ni 231.604†	1099.1	17.36	1.58%	[100.00]	ug/L
Pb 220.353†	156.0	3.16	2.02%	[100.00]	ug/L
Sb 217.584†	629.1	4.11	0.65%	[500.00]	ug/L
Se 196.026†	171.8	2.81	1.64%	[500.00]	ug/L
Si 251.611†	5418.4	4.59	0.08%	[500.00]	ug/L
Sn 189.927†	999.9	5.03	0.50%	[500.00]	ug/L
Sr 407.771†	77410.5	37.53	0.05%	[100.00]	ug/L
Ti 334.940†	1459.6	23.69	1.62%	[100.00]	ug/L
Tl 190.801†	383.6	5.11	1.33%	[500.00]	ug/L
V 292.395†	4218.2	26.93	0.64%	[100.00]	ug/L
Zn 206.200†	872.1	8.67	0.99%	[100.00]	ug/L

Sequence No.: 4 **Autosampler Location: 4**
Sample ID: 0C02043-CAL4 **Date Collected: 3/2/2010 12:51:44 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0C02043-CAL4

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	188814.2	188814.2	99.1391	%	12:52:50
1	Al 396.153†	7962.6	7820.7	[2500.00]	ug/L	12:52:50
1	Ba 455.398†	144226.0	145478.3	[500.00]	ug/L	12:52:50
1	Ca 315.887†	7011.9	6936.4	[5.000]	mg/L	12:53:10
1	Fe 238.204†	1073.3	1054.6	[500.00]	ug/L	12:53:10
1	K 766.490	3670.7	3590.8	[5.000]	mg/L	12:53:10
1	Li 670.784†	17339.0	17422.9	[500.00]	ug/L	12:52:50
1	Mg 279.071†	2240.8	2240.6	[5.000]	mg/L	12:53:10
1	Na 589.592†	32953.0	32815.5	[5.000]	mg/L	12:52:50
1	Sr 407.771†	384910.0	388136.7	[500.00]	ug/L	12:52:50
1	Ti 334.940†	7309.8	7406.4	[500.00]	ug/L	12:53:10
1	Y 360.076	234850.3	234850.3	100.871	%	12:53:42
1	Ag 328.068†	30488.5	30208.9	[500.00]	ug/L	12:53:42
1	As 188.979†	1392.7	1401.9	[2500.00]	ug/L	12:54:02
1	B 249.677†	8974.6	8640.7	[500.00]	ug/L	12:53:42
1	Be 234.861†	8753.9	9429.1	[50.00]	ug/L	12:54:02
1	Cd 214.437†	12198.3	11700.0	[500.00]	ug/L	12:54:02
1	Co 228.616†	3032.8	3084.6	[500.00]	ug/L	12:54:02
1	Cr 205.557†	5173.2	5157.8	[500.00]	ug/L	12:54:02
1	Cu 327.397†	15803.2	15662.3	[500.00]	ug/L	12:53:42
1	Mn 257.610†	70031.0	69233.0	[500.00]	ug/L	12:53:42
1	Mo 202.031†	3673.7	3561.7	[500.00]	ug/L	12:54:02
1	Ni 231.604†	5921.3	5516.5	[500.00]	ug/L	12:54:02
1	Pb 220.353†	823.5	777.3	[500.00]	ug/L	12:54:02
1	Sb 217.584†	3074.3	3101.6	[2500.00]	ug/L	12:54:02
1	Se 196.026†	813.3	843.1	[2500.00]	ug/L	12:54:02
1	Si 251.611†	26807.7	26108.1	[2500.00]	ug/L	12:53:42
1	Sn 189.927†	4968.3	4931.3	[2500.00]	ug/L	12:54:02
1	Tl 190.801†	1910.3	1927.4	[2500.00]	ug/L	12:54:02
1	V 292.395†	19561.9	20774.9	[500.00]	ug/L	12:53:42
1	Zn 206.200†	4307.6	4327.7	[500.00]	ug/L	12:54:02
2	Sc 357.234	191225.8	191225.8	100.405	%	12:53:15
2	Al 396.153†	8028.9	7785.4	[2500.00]	ug/L	12:53:15
2	Ba 455.398†	145212.3	144625.9	[500.00]	ug/L	12:53:15
2	Ca 315.887†	7037.3	6872.6	[5.000]	mg/L	12:53:36

2	Fe 238.204†	1064.0	1031.7	[500.00]	ug/L	12:53:36
2	K 766.490	3676.6	3596.7	[5.000]	mg/L	12:53:36
2	Li 670.784†	17480.7	17343.5	[500.00]	ug/L	12:53:15
2	Mg 279.071†	2248.2	2219.5	[5.000]	mg/L	12:53:36
2	Na 589.592†	33156.6	32599.1	[5.000]	mg/L	12:53:15
2	Sr 407.771†	387450.1	385770.1	[500.00]	ug/L	12:53:15
2	Ti 334.940†	7314.8	7318.5	[500.00]	ug/L	12:53:36
2	Y 360.076	232364.1	232364.1	99.8029	%	12:54:07
2	Ag 328.068†	30442.3	30486.0	[500.00]	ug/L	12:54:07
2	As 188.979†	1402.2	1426.2	[2500.00]	ug/L	12:54:27
2	B 249.677†	8963.1	8724.4	[500.00]	ug/L	12:54:07
2	Be 234.861†	8762.2	9530.3	[50.00]	ug/L	12:54:27
2	Cd 214.437†	12233.8	11864.9	[500.00]	ug/L	12:54:27
2	Co 228.616†	3040.7	3124.7	[500.00]	ug/L	12:54:27
2	Cr 205.557†	5179.5	5218.9	[500.00]	ug/L	12:54:27
2	Cu 327.397†	15756.9	15783.5	[500.00]	ug/L	12:54:07
2	Mn 257.610†	69698.5	69642.6	[500.00]	ug/L	12:54:07
2	Mo 202.031†	3673.3	3600.3	[500.00]	ug/L	12:54:27
2	Ni 231.604†	5909.4	5567.4	[500.00]	ug/L	12:54:27
2	Pb 220.353†	823.9	786.5	[500.00]	ug/L	12:54:27
2	Sb 217.584†	3091.8	3151.8	[2500.00]	ug/L	12:54:27
2	Se 196.026†	812.7	851.2	[2500.00]	ug/L	12:54:27
2	Si 251.611†	26700.0	26284.4	[2500.00]	ug/L	12:54:07
2	Sn 189.927†	4995.2	5011.0	[2500.00]	ug/L	12:54:27
2	Tl 190.801†	1907.4	1944.8	[2500.00]	ug/L	12:54:27
2	V 292.395†	19524.0	20944.4	[500.00]	ug/L	12:54:07
2	Zn 206.200†	4319.5	4385.2	[500.00]	ug/L	12:54:27

Mean Data: 0C02043-CAL4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	190020.0	1705.29	0.90%	99.7723	%
Y 360.076	233607.2	1758.00	0.75%	100.337	%
Ag 328.068†	30347.4	195.94	0.65%	[500.00]	ug/L
Al 396.153†	7803.1	24.95	0.32%	[2500.00]	ug/L
As 188.979†	1414.1	17.19	1.22%	[2500.00]	ug/L
B 249.677†	8682.6	59.14	0.68%	[500.00]	ug/L
Ba 455.398†	145052.1	602.69	0.42%	[500.00]	ug/L
Be 234.861†	9479.7	71.53	0.75%	[50.00]	ug/L
Ca 315.887†	6904.5	45.14	0.65%	[5.000]	mg/L
Cd 214.437†	11782.5	116.63	0.99%	[500.00]	ug/L
Co 228.616†	3104.7	28.37	0.91%	[500.00]	ug/L
Cr 205.557†	5188.4	43.25	0.83%	[500.00]	ug/L
Cu 327.397†	15722.9	85.70	0.55%	[500.00]	ug/L
Fe 238.204†	1043.1	16.17	1.55%	[500.00]	ug/L
K 766.490	3593.8	4.16	0.12%	[5.000]	mg/L
Li 670.784†	17383.2	56.16	0.32%	[500.00]	ug/L
Mg 279.071†	2230.1	14.93	0.67%	[5.000]	mg/L
Mn 257.610†	69437.8	289.65	0.42%	[500.00]	ug/L
Mo 202.031†	3581.0	27.27	0.76%	[500.00]	ug/L
Na 589.592†	32707.3	153.06	0.47%	[5.000]	mg/L
Ni 231.604†	5542.0	36.00	0.65%	[500.00]	ug/L
Pb 220.353†	781.9	6.46	0.83%	[500.00]	ug/L
Sb 217.584†	3126.7	35.44	1.13%	[2500.00]	ug/L
Se 196.026†	847.2	5.69	0.67%	[2500.00]	ug/L
Si 251.611†	26196.3	124.70	0.48%	[2500.00]	ug/L
Sn 189.927†	4971.1	56.34	1.13%	[2500.00]	ug/L
Sr 407.771†	386953.4	1673.43	0.43%	[500.00]	ug/L
Ti 334.940†	7362.5	62.21	0.84%	[500.00]	ug/L
Tl 190.801†	1936.1	12.29	0.63%	[2500.00]	ug/L
V 292.395†	20859.7	119.86	0.57%	[500.00]	ug/L
Zn 206.200†	4356.4	40.69	0.93%	[500.00]	ug/L

==========

Sequence No.: 5
Sample ID: 0C02043-CAL5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 3/2/2010 12:55:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0C02043-CAL5

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	187335.9	187335.9	98.3630	%	12:56:47
1	Al 396.153†	15806.3	15858.4	[5000]	ug/L	12:57:07
1	Ba 455.398†	285997.0	290756.7	[1000]	ug/L	12:56:47
1	Ca 315.887†	13808.0	13901.5	[10]	mg/L	12:57:07
1	Fe 238.204†	2098.0	2104.9	[1000]	ug/L	12:57:07
1	K 766.490	7326.9	7247.1	[10]	mg/L	12:57:07
1	Li 670.784†	34604.2	35113.5	[1000]	ug/L	12:56:47
1	Mg 279.071†	4457.0	4511.6	[10]	mg/L	12:57:07
1	Na 589.592†	64933.1	65590.1	[10]	mg/L	12:56:47
1	Sr 407.771†	763986.8	776586.1	[1000]	ug/L	12:56:47
1	Ti 334.940†	14701.6	14979.5	[1000]	ug/L	12:57:07
1	Y 360.076	238140.7	238140.7	102.284	%	12:57:39
1	Ag 328.068†	61954.4	60554.5	[1000]	ug/L	12:57:39
1	As 188.979†	2809.1	2767.7	[5000]	ug/L	12:57:59
1	B 249.677†	18067.5	17407.7	[1000]	ug/L	12:57:59
1	Be 234.861†	18293.1	18635.4	[100]	ug/L	12:57:59
1	Cd 214.437†	23943.8	23016.1	[1000]	ug/L	12:57:59
1	Ce 413.764†	40938.1	39279.8	[1000]	ug/L	12:57:39
1	Co 228.616†	6104.5	6046.2	[1000]	ug/L	12:57:59
1	Cr 205.557†	10343.6	10141.9	[1000]	ug/L	12:57:59
1	Cu 327.397†	32043.3	31323.3	[1000]	ug/L	12:57:39
1	Mn 257.610†	139753.1	136438.9	[1000]	ug/L	12:57:39
1	Mo 202.031†	7272.8	7030.1	[1000]	ug/L	12:57:59
1	Ni 231.604†	11401.4	10793.2	[1000]	ug/L	12:57:59
1	Pb 220.353†	1588.3	1513.8	[1000]	ug/L	12:57:59
1	Sb 217.584†	6193.4	6108.9	[5000]	ug/L	12:57:59
1	Se 196.026†	1638.3	1638.6	[5000]	ug/L	12:57:59
1	Si 251.611†	52367.1	50729.5	[5000]	ug/L	12:57:39
1	Sn 189.927†	9909.4	9694.0	[5000]	ug/L	12:57:59
1	Tl 190.801†	3872.3	3819.5	[5000]	ug/L	12:57:59
1	V 292.395†	40735.8	41208.0	[1000]	ug/L	12:57:39
1	Zn 206.200†	8597.3	8462.5	[1000]	ug/L	12:57:59
2	Sc 357.234	189799.8	189799.8	99.6567	%	12:57:12
2	Al 396.153†	15799.3	15642.8	[5000]	ug/L	12:57:32
2	Ba 455.398†	289969.5	290968.4	[1000]	ug/L	12:57:12
2	Ca 315.887†	13831.8	13743.1	[10]	mg/L	12:57:32
2	Fe 238.204†	2105.1	2084.3	[1000]	ug/L	12:57:32
2	K 766.490	7341.6	7261.7	[10]	mg/L	12:57:32
2	Li 670.784†	35047.7	35101.9	[1000]	ug/L	12:57:12
2	Mg 279.071†	4458.7	4454.5	[10]	mg/L	12:57:32
2	Na 589.592†	65775.2	65578.1	[10]	mg/L	12:57:12
2	Sr 407.771†	774111.9	776663.3	[1000]	ug/L	12:57:12
2	Ti 334.940†	14743.7	14827.7	[1000]	ug/L	12:57:32
2	Y 360.076	232522.7	232522.7	99.8710	%	12:58:04
2	Ag 328.068†	61876.0	61939.4	[1000]	ug/L	12:58:04
2	As 188.979†	2807.2	2832.1	[5000]	ug/L	12:58:24
2	B 249.677†	18118.6	17885.6	[1000]	ug/L	12:58:24
2	Be 234.861†	18264.7	19039.1	[100]	ug/L	12:58:24
2	Cd 214.437†	23941.0	23578.9	[1000]	ug/L	12:58:24
2	Ce 413.764†	40856.4	40165.0	[1000]	ug/L	12:58:04
2	Co 228.616†	6104.5	6190.4	[1000]	ug/L	12:58:24
2	Cr 205.557†	10337.8	10380.4	[1000]	ug/L	12:58:24
2	Cu 327.397†	31941.1	31977.8	[1000]	ug/L	12:58:04
2	Mn 257.610†	139563.0	139549.7	[1000]	ug/L	12:58:04
2	Mo 202.031†	7258.4	7187.5	[1000]	ug/L	12:58:24
2	Ni 231.604†	11397.8	11058.9	[1000]	ug/L	12:58:24
2	Pb 220.353†	1597.9	1560.9	[1000]	ug/L	12:58:24
2	Sb 217.584†	6204.9	6266.8	[5000]	ug/L	12:58:24
2	Se 196.026†	1648.3	1687.3	[5000]	ug/L	12:58:24
2	Si 251.611†	52186.7	51785.9	[5000]	ug/L	12:58:04
2	Sn 189.927†	9906.0	9924.7	[5000]	ug/L	12:58:24
2	Tl 190.801†	3864.4	3903.0	[5000]	ug/L	12:58:24
2	V 292.395†	40741.3	42175.8	[1000]	ug/L	12:58:04
2	Zn 206.200†	8591.8	8660.1	[1000]	ug/L	12:58:24

Mean Data: 0C02043-CAL5

: 00242

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	188567.9	1742.24	0.92%	99.0098	%
Y 360.076	235331.7	3972.52	1.69%	101.077	%
Ag 328.068†	61247.0	979.26	1.60%	[1000]	ug/L
Al 396.153†	15750.6	152.47	0.97%	[5000]	ug/L
As 188.979†	2799.9	45.58	1.63%	[5000]	ug/L
B 249.677†	17646.7	337.97	1.92%	[1000]	ug/L
Ba 455.398†	290862.6	149.69	0.05%	[1000]	ug/L
Be 234.861†	18837.2	285.40	1.52%	[100]	ug/L
Ca 315.887†	13822.3	111.98	0.81%	[10]	mg/L
Cd 214.437†	23297.5	397.92	1.71%	[1000]	ug/L
Ce 413.764†	39722.4	625.95	1.58%	[1000]	ug/L
Co 228.616†	6118.3	101.97	1.67%	[1000]	ug/L
Cr 205.557†	10261.2	168.67	1.64%	[1000]	ug/L
Cu 327.397†	31650.5	462.84	1.46%	[1000]	ug/L
Fe 238.204†	2094.6	14.55	0.69%	[1000]	ug/L
K 766.490	7254.4	10.39	0.14%	[10]	mg/L
Li 670.784†	35107.7	8.21	0.02%	[1000]	ug/L
Mg 279.071†	4483.0	40.40	0.90%	[10]	mg/L
Mn 257.610†	137994.3	2199.66	1.59%	[1000]	ug/L
Mo 202.031†	7108.8	111.23	1.56%	[1000]	ug/L
Na 589.592†	65584.1	8.49	0.01%	[10]	mg/L
Ni 231.604†	10926.0	187.90	1.72%	[1000]	ug/L
Pb 220.353†	1537.4	33.32	2.17%	[1000]	ug/L
Sb 217.584†	6187.9	111.61	1.80%	[5000]	ug/L
Se 196.026†	1662.9	34.44	2.07%	[5000]	ug/L
Si 251.611†	51257.7	746.94	1.46%	[5000]	ug/L
Sn 189.927†	9809.3	163.16	1.66%	[5000]	ug/L
Sr 407.771†	776624.7	54.59	0.01%	[1000]	ug/L
Ti 334.940†	14903.6	107.32	0.72%	[1000]	ug/L
Tl 190.801†	3861.3	59.08	1.53%	[5000]	ug/L
V 292.395†	41691.9	684.33	1.64%	[1000]	ug/L
Zn 206.200†	8561.3	139.72	1.63%	[1000]	ug/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	4	Lin, Calc Int	-43.4	61.19	0.00000	0.999990	
Al 396.153	4	Lin, Calc Int	33.2	3.137	0.00000	0.999972	
As 188.979	4	Lin, Calc Int	6.4	0.5596	0.00000	0.999988	
B 249.677	4	Lin, Calc Int	112.1	17.47	0.00000	0.999829	
Ba 455.398	4	Lin, Calc Int	-68.3	290.8	0.00000	0.999999	
Be 234.861	4	Lin, Calc Int	11.6	188.5	0.00000	0.999995	
Ca 315.887	4	Lin, Calc Int	18.0	1380	0.00000	0.999995	
Cd 214.437	4	Lin, Calc Int	25.4	23.32	0.00000	0.999983	
Ce 413.764	1	Lin, Calc Int	0.0	39.72	0.00000	1.000000	
Co 228.616	4	Lin, Calc Int	12.9	6.121	0.00000	0.999975	
Cr 205.557	4	Lin, Calc Int	15.7	10.27	0.00000	0.999985	
Cu 327.397	4	Lin, Calc Int	-25.7	31.64	0.00000	0.999994	
Fe 238.204	4	Lin, Calc Int	2.1	2.091	0.00000	0.999993	
K 766.490	4	Lin, Calc Int	2.1	723.9	0.00000	0.999986	
Li 670.784	4	Lin, Calc Int	-15.3	35.06	0.00000	0.999987	
Mg 279.071	4	Lin, Calc Int	-3.7	448.3	0.00000	0.999997	
Mn 257.610	4	Lin, Calc Int	109.8	138.0	0.00000	0.999995	
Mo 202.031	3	Lin, Calc Int	1.4	7.117	0.00000	0.999990	
Na 589.592	4	Lin, Calc Int	47.7	6550	0.00000	0.999997	
Ni 231.604	4	Lin, Calc Int	7.4	10.95	0.00000	0.999972	
Pb 220.353	4	Lin, Calc Int	2.9	1.539	0.00000	0.999964	
Sb 217.584	4	Lin, Calc Int	10.1	1.238	0.00000	0.999987	
Se 196.026	4	Lin, Calc Int	4.9	0.3327	0.00000	0.999959	
Si 251.611	4	Lin, Calc Int	221.4	10.24	0.00000	0.999942	
Sn 189.927	4	Lin, Calc Int	15.0	1.964	0.00000	0.999978	
Sr 407.771	4	Lin, Calc Int	-246.7	776.4	0.00000	0.999998	
Ti 334.940	3	Lin, Calc Int	-30.2	14.90	0.00000	0.999981	
Tl 190.801	4	Lin, Calc Int	-1.7	0.7731	0.00000	0.999998	
V 292.395	4	Lin, Calc Int	5.6	41.69	0.00000	0.999999	
Zn 206.200	4	Lin, Calc Int	16.2	8.572	0.00000	0.999963	

: 00243

Sequence No.: 6
Sample ID: 0C02043-SCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 3/2/2010 12:59:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0C02043-SCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	190597.7	190597.7	100.076	%			13:00:45
1	Al 396.153†	7928.2	7711.2	2439.19	ug/L	2439.19	ug/L	13:00:45
1	Ba 455.398†	144739.0	144629.6	497.602	ug/L	497.602	ug/L	13:00:45
1	Ca 315.887†	7207.5	7065.8	5.10746	mg/L	5.10746	mg/L	13:01:05
1	Fe 238.204†	1077.7	1048.8	499.984	ug/L	499.984	ug/L	13:01:05
1	K 766.490	3671.1	3591.3	4.95787	mg/L	4.95787	mg/L	13:01:05
1	Li 670.784†	17673.1	17593.1	502.248	ug/L	502.248	ug/L	13:00:45
1	Mg 279.071†	2298.9	2277.5	5.08858	mg/L	5.08858	mg/L	13:01:05
1	Na 589.592†	33064.1	32615.5	4.97217	mg/L	4.97217	mg/L	13:00:45
1	Sr 407.771†	394178.5	393765.2	507.493	ug/L	507.493	ug/L	13:00:45
1	Ti 334.940†	7496.1	7523.6	506.832	ug/L	506.832	ug/L	13:01:05
1	Y 360.076	234879.2	234879.2	100.883	%			13:01:37
1	Ag 328.068†	30914.3	30627.2	501.454	ug/L	501.454	ug/L	13:01:37
1	As 188.979†	1396.8	1405.8	2496.21	ug/L	2496.21	ug/L	13:01:57
1	B 249.677†	9161.1	8824.5	497.348	ug/L	497.348	ug/L	13:01:37
1	Be 234.861†	8745.8	9420.0	49.7335	ug/L	49.7335	ug/L	13:01:57
1	Cd 214.437†	12313.7	11812.9	504.873	ug/L	504.873	ug/L	13:01:57
1	Ce 413.764†	794.6	43.5	1.00224	ug/L	1.00224	ug/L	13:01:37
1	Co 228.616†	3024.1	3075.6	499.205	ug/L	499.205	ug/L	13:01:57
1	Cr 205.557†	5285.6	5268.5	511.395	ug/L	511.395	ug/L	13:01:57
1	Cu 327.397†	16124.1	15978.4	506.203	ug/L	506.203	ug/L	13:01:37
1	Mn 257.610†	70864.9	70051.0	506.695	ug/L	506.695	ug/L	13:01:37
1	Mo 202.031†	3727.9	3615.0	507.749	ug/L	507.749	ug/L	13:01:57
1	Ni 231.604†	5992.7	5586.6	509.694	ug/L	509.694	ug/L	13:01:57
1	Pb 220.353†	828.0	781.7	505.060	ug/L	505.060	ug/L	13:01:57
1	Sb 217.584†	2632.7	2663.5	2146.07	ug/L	2146.07	ug/L	13:01:57
1	Se 196.026†	827.4	857.0	2561.99	ug/L	2561.99	ug/L	13:01:57
1	Si 251.611†	26363.4	25664.3	2470.33	ug/L	2470.33	ug/L	13:01:37
1	Sn 189.927†	4972.8	4935.1	2506.78	ug/L	2506.78	ug/L	13:01:57
1	Tl 190.801†	1945.8	1962.4	2543.04	ug/L	2543.04	ug/L	13:01:57
1	V 292.395†	19807.3	21015.7	508.746	ug/L	508.746	ug/L	13:01:37
1	Zn 206.200†	4303.6	4323.2	502.387	ug/L	502.387	ug/L	13:01:57
2	Sc 357.234	190047.0	190047.0	99.7864	%			13:01:10
2	Al 396.153†	7949.5	7755.5	2453.21	ug/L	2453.21	ug/L	13:01:10
2	Ba 455.398†	144997.6	145307.8	499.935	ug/L	499.935	ug/L	13:01:10
2	Ca 315.887†	7171.8	7050.8	5.09664	mg/L	5.09664	mg/L	13:01:31
2	Fe 238.204†	1077.3	1051.6	501.298	ug/L	501.298	ug/L	13:01:31
2	K 766.490	3642.7	3562.9	4.91865	mg/L	4.91865	mg/L	13:01:31
2	Li 670.784†	17731.7	17703.1	505.384	ug/L	505.384	ug/L	13:01:10
2	Mg 279.071†	2301.2	2286.5	5.10865	mg/L	5.10865	mg/L	13:01:31
2	Na 589.592†	33101.6	32748.8	4.99252	mg/L	4.99252	mg/L	13:01:10
2	Sr 407.771†	394885.2	395614.7	509.875	ug/L	509.875	ug/L	13:01:10
2	Ti 334.940†	7468.4	7517.5	506.421	ug/L	506.421	ug/L	13:01:31
2	Y 360.076	233227.2	233227.2	100.174	%			13:02:02
2	Ag 328.068†	30701.8	30632.1	501.535	ug/L	501.535	ug/L	13:02:02
2	As 188.979†	1407.5	1426.3	2532.76	ug/L	2532.76	ug/L	13:02:22
2	B 249.677†	9097.3	8825.2	497.369	ug/L	497.369	ug/L	13:02:02
2	Be 234.861†	8834.1	9569.5	50.5262	ug/L	50.5262	ug/L	13:02:22
2	Cd 214.437†	12385.1	11970.6	511.627	ug/L	511.627	ug/L	13:02:22
2	Ce 413.764†	796.1	50.6	1.18001	ug/L	1.18001	ug/L	13:02:02
2	Co 228.616†	3045.8	3118.5	506.211	ug/L	506.211	ug/L	13:02:22
2	Cr 205.557†	5311.6	5331.7	517.542	ug/L	517.542	ug/L	13:02:22
2	Cu 327.397†	15967.1	15935.0	504.827	ug/L	504.827	ug/L	13:02:02
2	Mn 257.610†	70311.8	69996.4	506.299	ug/L	506.299	ug/L	13:02:02
2	Mo 202.031†	3753.0	3666.2	514.944	ug/L	514.944	ug/L	13:02:22
2	Ni 231.604†	6034.5	5670.3	517.347	ug/L	517.347	ug/L	13:02:22
2	Pb 220.353†	833.7	793.2	512.528	ug/L	512.528	ug/L	13:02:22
2	Sb 217.584†	2652.9	2702.2	2177.32	ug/L	2177.32	ug/L	13:02:22
2	Se 196.026†	822.0	857.4	2563.28	ug/L	2563.28	ug/L	13:02:22
2	Si 251.611†	26156.9	25643.4	2468.29	ug/L	2468.29	ug/L	13:02:02
2	Sn 189.927†	5002.3	4999.5	2539.55	ug/L	2539.55	ug/L	13:02:22

2	Tl 190.801†	1952.3	1982.5	2569.07 ug/L	2569.07 ug/L	13:02:22
2	V 292.395†	19708.5	21056.1	509.790 ug/L	509.790 ug/L	13:02:02
2	Zn 206.200†	4317.0	4366.7	507.468 ug/L	507.468 ug/L	13:02:22

Mean Data: 0C02043-SCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	190322.3	99.9310	%	0.20445				0.20%
Y 360.076	234053.2	100.528	%	0.5017				0.50%
Ag 328.068†	30629.7	501.495	ug/L	0.0568	501.495	ug/L	0.0568	0.01%
QC value within limits for Ag 328.068 Recovery = 100.30%								
Al 396.153†	7733.3	2446.20	ug/L	9.911	2446.20	ug/L	9.911	0.41%
QC value within limits for Al 396.153 Recovery = 97.85%								
As 188.979†	1416.1	2514.48	ug/L	25.849	2514.48	ug/L	25.849	1.03%
QC value within limits for As 188.979 Recovery = 100.58%								
B 249.677†	8824.8	497.358	ug/L	0.0151	497.358	ug/L	0.0151	0.00%
QC value within limits for B 249.677 Recovery = 99.47%								
Ba 455.398†	144968.7	498.768	ug/L	1.6492	498.768	ug/L	1.6492	0.33%
QC value within limits for Ba 455.398 Recovery = 99.75%								
Be 234.861†	9494.8	50.1299	ug/L	0.56050	50.1299	ug/L	0.56050	1.12%
QC value within limits for Be 234.861 Recovery = 100.26%								
Ca 315.887†	7058.3	5.10205	mg/L	0.007651	5.10205	mg/L	0.007651	0.15%
QC value within limits for Ca 315.887 Recovery = 102.04%								
Cd 214.437†	11891.7	508.250	ug/L	4.7759	508.250	ug/L	4.7759	0.94%
QC value within limits for Cd 214.437 Recovery = 101.65%								
Ce 413.764†	47.1	1.09113	ug/L	0.125702	1.09113	ug/L	0.125702	11.52%
Co 228.616†	3097.1	502.708	ug/L	4.9545	502.708	ug/L	4.9545	0.99%
QC value within limits for Co 228.616 Recovery = 100.54%								
Cr 205.557†	5300.1	514.468	ug/L	4.3464	514.468	ug/L	4.3464	0.84%
QC value within limits for Cr 205.557 Recovery = 102.89%								
Cu 327.397†	15956.7	505.515	ug/L	0.9725	505.515	ug/L	0.9725	0.19%
QC value within limits for Cu 327.397 Recovery = 101.10%								
Fe 238.204†	1050.2	500.641	ug/L	0.9295	500.641	ug/L	0.9295	0.19%
QC value within limits for Fe 238.204 Recovery = 100.13%								
K 766.490	3577.1	4.93826	mg/L	0.027729	4.93826	mg/L	0.027729	0.56%
QC value within limits for K 766.490 Recovery = 98.77%								
Li 670.784†	17648.1	503.816	ug/L	2.2175	503.816	ug/L	2.2175	0.44%
QC value within limits for Li 670.784 Recovery = 100.76%								
Mg 279.071†	2282.0	5.09862	mg/L	0.014191	5.09862	mg/L	0.014191	0.28%
QC value within limits for Mg 279.071 Recovery = 101.97%								
Mn 257.610†	70023.7	506.497	ug/L	0.2800	506.497	ug/L	0.2800	0.06%
QC value within limits for Mn 257.610 Recovery = 101.30%								
Mo 202.031†	3640.6	511.346	ug/L	5.0880	511.346	ug/L	5.0880	1.00%
QC value within limits for Mo 202.031 Recovery = 102.27%								
Na 589.592†	32682.2	4.98235	mg/L	0.014396	4.98235	mg/L	0.014396	0.29%
QC value within limits for Na 589.592 Recovery = 99.65%								
Ni 231.604†	5628.4	513.521	ug/L	5.4120	513.521	ug/L	5.4120	1.05%
QC value within limits for Ni 231.604 Recovery = 102.70%								
Pb 220.353†	787.5	508.794	ug/L	5.2803	508.794	ug/L	5.2803	1.04%
QC value within limits for Pb 220.353 Recovery = 101.76%								
Sb 217.584†	2682.8	2161.70	ug/L	22.092	2161.70	ug/L	22.092	1.02%
QC value less than the lower limit for Sb 217.584 Recovery = 86.47%								
Se 196.026†	857.2	2562.64	ug/L	0.909	2562.64	ug/L	0.909	0.04%
QC value within limits for Se 196.026 Recovery = 102.51%								
Si 251.611†	25653.9	2469.31	ug/L	1.440	2469.31	ug/L	1.440	0.06%
QC value within limits for Si 251.611 Recovery = 98.77%								
Sn 189.927†	4967.3	2523.16	ug/L	23.173	2523.16	ug/L	23.173	0.92%
QC value within limits for Sn 189.927 Recovery = 100.93%								
Sr 407.771†	394690.0	508.684	ug/L	1.6844	508.684	ug/L	1.6844	0.33%
QC value within limits for Sr 407.771 Recovery = 101.74%								
Ti 334.940†	7520.6	506.627	ug/L	0.2908	506.627	ug/L	0.2908	0.06%
QC value within limits for Ti 334.940 Recovery = 101.33%								
Tl 190.801†	1972.5	2556.05	ug/L	18.408	2556.05	ug/L	18.408	0.72%
QC value within limits for Tl 190.801 Recovery = 102.24%								
V 292.395†	21035.9	509.268	ug/L	0.7383	509.268	ug/L	0.7383	0.14%
QC value within limits for V 292.395 Recovery = 101.85%								
Zn 206.200†	4344.9	504.927	ug/L	3.5928	504.927	ug/L	3.5928	0.71%
QC value within limits for Zn 206.200 Recovery = 100.99%								
QC Failed. Continue with analysis.								

Sequence No.: 7
Sample ID: 0C02043-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 3/2/2010 1:03:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0C02043-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	189045.4	189045.4	99.2606	%			13:04:40
1	Al 396.153†	183.2	-26.5	-19.0052	ug/L	-19.0052	ug/L	13:04:40
1	Ba 455.398†	-73.3	-73.9	-0.0193836	ug/L	-0.0193836	ug/L	13:04:40
1	Ca 315.887†	125.2	-10.2	-0.0204598	mg/L	-0.0204598	mg/L	13:05:00
1	Fe 238.204†	28.5	0.7	-0.647039	ug/L	-0.647039	ug/L	13:05:00
1	K 766.490	42.1	-37.7	-0.0550287	mg/L	-0.0550287	mg/L	13:04:40
1	Li 670.784†	0.1	-66.5	-1.45951	ug/L	-1.45951	ug/L	13:04:40
1	Mg 279.071†	16.5	-3.0	0.0014691	mg/L	0.0014691	mg/L	13:05:00
1	Na 589.592†	489.6	69.6	0.0033507	mg/L	0.0033507	mg/L	13:04:40
1	Sr 407.771†	181.0	66.8	0.403767	ug/L	0.403767	ug/L	13:04:40
1	Ti 334.940†	-36.9	-4.0	1.76020	ug/L	1.76020	ug/L	13:05:00
1	Y 360.076	233950.7	233950.7	100.484	%			13:05:32
1	Ag 328.068†	-25.5	-41.8	0.0250716	ug/L	0.0250716	ug/L	13:05:32
1	As 188.979†	-23.0	-1.7	-14.5015	ug/L	-14.5015	ug/L	13:05:52
1	B 249.677†	394.2	135.9	1.36662	ug/L	1.36662	ug/L	13:05:52
1	Be 234.861†	-755.7	-1.3	-0.0681332	ug/L	-0.0681332	ug/L	13:05:52
1	Cd 214.437†	402.6	7.6	-0.760442	ug/L	-0.760442	ug/L	13:05:52
1	Ce 413.764†	747.9	0.2	0.0036306	ug/L	0.0036306	ug/L	13:05:32
1	Co 228.616†	-73.5	4.9	-1.31875	ug/L	-1.31875	ug/L	13:05:52
1	Cr 205.557†	-29.3	0.1	-1.51139	ug/L	-1.51139	ug/L	13:05:52
1	Cu 327.397†	3.0	-1.5	0.767351	ug/L	0.767351	ug/L	13:05:32
1	Mn 257.610†	209.2	14.6	-0.689648	ug/L	-0.689648	ug/L	13:05:52
1	Mo 202.031†	79.1	-1.5	-0.407078	ug/L	-0.407078	ug/L	13:05:52
1	Ni 231.604†	347.6	-7.8	-1.38650	ug/L	-1.38650	ug/L	13:05:52
1	Pb 220.353†	43.4	4.1	0.772451	ug/L	0.772451	ug/L	13:05:52
1	Sb 217.584†	-35.0	19.1	7.23954	ug/L	7.23954	ug/L	13:05:52
1	Se 196.026†	-41.4	-4.3	-27.7125	ug/L	-27.7125	ug/L	13:05:52
1	Si 251.611†	654.9	183.5	-3.74378	ug/L	-3.74378	ug/L	13:05:52
1	Sn 189.927†	11.7	17.5	1.26944	ug/L	1.26944	ug/L	13:05:52
1	Tl 190.801†	-38.3	-4.4	-3.52982	ug/L	-3.52982	ug/L	13:05:52
1	V 292.395†	-1375.5	13.0	0.171901	ug/L	0.171901	ug/L	13:05:32
1	Zn 206.200†	-45.6	11.8	-0.516920	ug/L	-0.516920	ug/L	13:05:52
2	Sc 357.234	189398.7	189398.7	99.4460	%			13:05:06
2	Al 396.153†	214.1	4.3	-9.21939	ug/L	-9.21939	ug/L	13:05:06
2	Ba 455.398†	-61.9	-62.3	0.0207129	ug/L	0.0207129	ug/L	13:05:06
2	Ca 315.887†	117.8	-17.8	-0.0259864	mg/L	-0.0259864	mg/L	13:05:26
2	Fe 238.204†	31.4	3.6	0.727239	ug/L	0.727239	ug/L	13:05:26
2	K 766.490	91.7	11.9	0.0134530	mg/L	0.0134530	mg/L	13:05:06
2	Li 670.784†	-2.4	-69.0	-1.53156	ug/L	-1.53156	ug/L	13:05:06
2	Mg 279.071†	19.3	-0.2	0.0078025	mg/L	0.0078025	mg/L	13:05:26
2	Na 589.592†	430.3	9.1	-0.0058907	mg/L	-0.0058907	mg/L	13:05:06
2	Sr 407.771†	205.1	90.7	0.434553	ug/L	0.434553	ug/L	13:05:06
2	Ti 334.940†	-24.1	8.9	2.62833	ug/L	2.62833	ug/L	13:05:26
2	Y 360.076	231868.1	231868.1	99.5898	%			13:05:57
2	Ag 328.068†	-35.4	-52.0	-0.140395	ug/L	-0.140395	ug/L	13:05:57
2	As 188.979†	-24.9	-3.8	-18.2384	ug/L	-18.2384	ug/L	13:06:17
2	B 249.677†	388.6	133.8	1.24820	ug/L	1.24820	ug/L	13:06:17
2	Be 234.861†	-746.0	1.7	-0.0527875	ug/L	-0.0527875	ug/L	13:06:17
2	Cd 214.437†	391.3	-0.1	-1.09327	ug/L	-1.09327	ug/L	13:06:17
2	Ce 413.764†	744.1	3.0	0.0750544	ug/L	0.0750544	ug/L	13:05:57
2	Co 228.616†	-74.6	3.1	-1.61575	ug/L	-1.61575	ug/L	13:06:17
2	Cr 205.557†	-25.1	4.1	-1.12786	ug/L	-1.12786	ug/L	13:06:17
2	Cu 327.397†	26.4	22.0	1.51013	ug/L	1.51013	ug/L	13:05:57
2	Mn 257.610†	212.8	20.1	-0.649382	ug/L	-0.649382	ug/L	13:06:17
2	Mo 202.031†	85.9	6.0	0.646369	ug/L	0.646369	ug/L	13:06:17
2	Ni 231.604†	340.5	-11.7	-1.74699	ug/L	-1.74699	ug/L	13:06:17
2	Pb 220.353†	31.0	-8.0	-7.09081	ug/L	-7.09081	ug/L	13:06:17
2	Sb 217.584†	-29.4	24.4	11.5331	ug/L	11.5331	ug/L	13:06:17
2	Se 196.026†	-34.1	2.6	-6.99793	ug/L	-6.99793	ug/L	13:06:17
2	Si 251.611†	654.7	189.1	-3.21369	ug/L	-3.21369	ug/L	13:06:17

2	Sn 189.927†	16.9	22.8	3.97621 ug/L	3.97621 ug/L	13:06:17
2	Tl 190.801†	-38.5	-5.0	-4.19405 ug/L	-4.19405 ug/L	13:06:17
2	V 292.395†	-1357.4	18.9	0.322614 ug/L	0.322614 ug/L	13:05:57
2	Zn 206.200†	-47.3	9.7	-0.765469 ug/L	-0.765469 ug/L	13:06:17

Mean Data: 0C02043-CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	189222.0	99.3533	%	0.13115				0.13%
Y 360.076	232909.4	100.037	%	0.6325				0.63%
Ag 328.068†	-46.9	-0.0576618	ug/L	0.11700273	-0.0576618	ug/L	0.11700273	202.91%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-11.1	-14.1123	ug/L	6.91964	-14.1123	ug/L	6.91964	49.03%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-2.7	-16.3699	ug/L	2.64239	-16.3699	ug/L	2.64239	16.14%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	134.9	1.30741	ug/L	0.083738	1.30741	ug/L	0.083738	6.40%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	-68.1	0.0006647	ug/L	0.02835250	0.0006647	ug/L	0.02835250	>999.9%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	0.2	-0.0604603	ug/L	0.01085102	-0.0604603	ug/L	0.01085102	17.95%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	-14.0	-0.0232231	mg/L	0.00390791	-0.0232231	mg/L	0.00390791	16.83%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	3.7	-0.926857	ug/L	0.2353458	-0.926857	ug/L	0.2353458	25.39%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	1.6	0.0393425	ug/L	0.05050426	0.0393425	ug/L	0.05050426	128.37%
Co 228.616†	4.0	-1.46725	ug/L	0.210010	-1.46725	ug/L	0.210010	14.31%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	2.1	-1.31962	ug/L	0.271197	-1.31962	ug/L	0.271197	20.55%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	10.2	1.13874	ug/L	0.525223	1.13874	ug/L	0.525223	46.12%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	2.2	0.0400999	ug/L	0.97176170	0.0400999	ug/L	0.97176170	>999.9%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	-12.9	-0.0207879	mg/L	0.04842389	-0.0207879	mg/L	0.04842389	232.94%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	-67.8	-1.49554	ug/L	0.050944	-1.49554	ug/L	0.050944	3.41%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	-1.6	0.0046358	mg/L	0.00447843	0.0046358	mg/L	0.00447843	96.61%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	17.4	-0.669515	ug/L	0.0284725	-0.669515	ug/L	0.0284725	4.25%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	2.2	0.119645	ug/L	0.7448998	0.119645	ug/L	0.7448998	622.59%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	39.4	-0.0012700	mg/L	0.00653465	-0.0012700	mg/L	0.00653465	514.52%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-9.7	-1.56674	ug/L	0.254907	-1.56674	ug/L	0.254907	16.27%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-1.9	-3.15918	ug/L	5.560163	-3.15918	ug/L	5.560163	176.00%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	21.7	9.38633	ug/L	3.036019	9.38633	ug/L	3.036019	32.35%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	-0.9	-17.3552	ug/L	14.64744	-17.3552	ug/L	14.64744	84.40%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	186.3	-3.47873	ug/L	0.374833	-3.47873	ug/L	0.374833	10.77%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	20.1	2.62282	ug/L	1.913981	2.62282	ug/L	1.913981	72.97%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	78.7	0.419160	ug/L	0.0217689	0.419160	ug/L	0.0217689	5.19%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	2.5	2.19427	ug/L	0.613863	2.19427	ug/L	0.613863	27.98%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-4.7	-3.86193	ug/L	0.469684	-3.86193	ug/L	0.469684	12.16%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	15.9	0.247258	ug/L	0.1065705	0.247258	ug/L	0.1065705	43.10%
QC value within limits for V 292.395 Recovery = Not calculated								
Zn 206.200†	10.7	-0.641195	ug/L	0.1757512	-0.641195	ug/L	0.1757512	27.41%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

: 80247

Sequence No.: 8
Sample ID: 0C02043-CRL1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 3/2/2010 1:07:32 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0C02043-CRL1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	192064.1	192064.1	100.846	%			13:08:38
1	Al 396.153†	538.1	322.6	88.7100	ug/L	88.7100	ug/L	13:08:38
1	Ba 455.398†	5772.6	5724.1	19.9196	ug/L	19.9196	ug/L	13:08:38
1	Ca 315.887†	1558.1	1408.8	1.00787	mg/L	1.00787	mg/L	13:08:58
1	Fe 238.204†	78.0	49.4	22.5524	ug/L	22.5524	ug/L	13:08:58
1	K 766.490	215.0	135.2	0.183842	mg/L	0.183842	mg/L	13:08:38
1	Li 670.784†	675.5	603.2	17.6429	ug/L	17.6429	ug/L	13:08:38
1	Mg 279.071†	464.5	441.0	0.991895	mg/L	0.991895	mg/L	13:08:58
1	Na 589.592†	6964.0	6482.0	0.982333	mg/L	0.982333	mg/L	13:08:38
1	Sr 407.771†	77102.6	76340.6	98.6456	ug/L	98.6456	ug/L	13:08:38
1	Ti 334.940†	2853.4	2862.6	194.096	ug/L	194.096	ug/L	13:08:58
1	Y 360.076	231250.4	231250.4	99.3245	%			13:09:29
1	Ag 328.068†	605.2	592.8	10.4187	ug/L	10.4187	ug/L	13:09:29
1	As 188.979†	95.1	117.0	196.206	ug/L	196.206	ug/L	13:09:49
1	B 249.677†	2249.8	2008.7	108.383	ug/L	108.383	ug/L	13:09:29
1	Be 234.861†	-391.4	356.7	1.82278	ug/L	1.82278	ug/L	13:09:49
1	Cd 214.437†	621.3	232.5	8.89949	ug/L	8.89949	ug/L	13:09:49
1	Ce 413.764†	765.2	26.2	0.591451	ug/L	0.591451	ug/L	13:09:29
1	Co 228.616†	50.4	128.7	18.4887	ug/L	18.4887	ug/L	13:09:49
1	Cr 205.557†	180.6	211.1	19.0297	ug/L	19.0297	ug/L	13:09:49
1	Cu 327.397†	633.4	633.2	20.9464	ug/L	20.9464	ug/L	13:09:29
1	Mn 257.610†	2990.8	2817.5	19.6166	ug/L	19.6166	ug/L	13:09:29
1	Mo 202.031†	1512.9	1442.9	202.548	ug/L	202.548	ug/L	13:09:49
1	Ni 231.604†	564.7	214.9	19.2824	ug/L	19.2824	ug/L	13:09:49
1	Pb 220.353†	189.1	151.3	96.4820	ug/L	96.4820	ug/L	13:09:49
1	Sb 217.584†	208.0	263.3	204.657	ug/L	204.657	ug/L	13:09:49
1	Se 196.026†	39.4	76.6	215.394	ug/L	215.394	ug/L	13:09:49
1	Si 251.611†	2813.0	2363.9	204.057	ug/L	204.057	ug/L	13:09:29
1	Sn 189.927†	418.5	427.2	210.142	ug/L	210.142	ug/L	13:09:49
1	Tl 190.801†	115.2	149.6	197.501	ug/L	197.501	ug/L	13:09:49
1	V 292.395†	-614.9	762.7	20.1828	ug/L	20.1828	ug/L	13:09:29
1	Zn 206.200†	122.7	180.7	19.3029	ug/L	19.3029	ug/L	13:09:49
2	Sc 357.234	190256.0	190256.0	99.8962	%			13:09:03
2	Al 396.153†	590.8	380.4	107.197	ug/L	107.197	ug/L	13:09:03
2	Ba 455.398†	5756.9	5762.8	20.0526	ug/L	20.0526	ug/L	13:09:03
2	Ca 315.887†	1557.1	1422.4	1.01773	mg/L	1.01773	mg/L	13:09:23
2	Fe 238.204†	71.8	43.8	19.9002	ug/L	19.9002	ug/L	13:09:23
2	K 766.490	184.5	104.7	0.141679	mg/L	0.141679	mg/L	13:09:03
2	Li 670.784†	647.4	581.4	17.0221	ug/L	17.0221	ug/L	13:09:03
2	Mg 279.071†	458.7	439.6	0.988816	mg/L	0.988816	mg/L	13:09:23
2	Na 589.592†	6914.5	6498.1	0.984787	mg/L	0.984787	mg/L	13:09:03
2	Sr 407.771†	76579.2	76543.2	98.9066	ug/L	98.9066	ug/L	13:09:03
2	Ti 334.940†	2859.5	2895.7	196.315	ug/L	196.315	ug/L	13:09:23
2	Y 360.076	232267.0	232267.0	99.7612	%			13:09:54
2	Ag 328.068†	666.6	651.8	11.3856	ug/L	11.3856	ug/L	13:09:54
2	As 188.979†	103.4	124.9	210.276	ug/L	210.276	ug/L	13:10:14
2	B 249.677†	2283.0	2032.1	109.722	ug/L	109.722	ug/L	13:09:54
2	Be 234.861†	-374.2	375.7	1.92422	ug/L	1.92422	ug/L	13:10:14
2	Cd 214.437†	625.4	233.8	8.95511	ug/L	8.95511	ug/L	13:10:14
2	Ce 413.764†	803.6	61.4	1.47634	ug/L	1.47634	ug/L	13:09:54
2	Co 228.616†	49.6	127.7	18.3133	ug/L	18.3133	ug/L	13:10:14
2	Cr 205.557†	182.5	212.2	19.1299	ug/L	19.1299	ug/L	13:10:14
2	Cu 327.397†	607.9	604.9	20.0524	ug/L	20.0524	ug/L	13:09:54
2	Mn 257.610†	2992.6	2806.2	19.5343	ug/L	19.5343	ug/L	13:09:54
2	Mo 202.031†	1500.5	1423.8	199.861	ug/L	199.861	ug/L	13:10:14
2	Ni 231.604†	571.2	218.9	19.6430	ug/L	19.6430	ug/L	13:10:14
2	Pb 220.353†	195.7	157.1	100.248	ug/L	100.248	ug/L	13:10:14
2	Sb 217.584†	204.7	259.0	201.212	ug/L	201.212	ug/L	13:10:14
2	Se 196.026†	31.8	68.8	192.037	ug/L	192.037	ug/L	13:10:14

2	Si 251.611†	2833.1	2371.7	204.755 ug/L	204.755 ug/L	13:09:54
2	Sn 189.927†	427.2	434.1	213.638 ug/L	213.638 ug/L	13:10:14
2	Tl 190.801†	114.2	148.1	195.535 ug/L	195.535 ug/L	13:10:14
2	V 292.395†	-639.1	741.2	19.6365 ug/L	19.6365 ug/L	13:09:54
2	Zn 206.200†	139.2	196.8	21.1716 ug/L	21.1716 ug/L	13:10:14

Mean Data: 0C02043-CRL1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	191160.1	100.371	%	0.6713				0.67%
Y 360.076	231758.7	99.5428	%	0.30874				0.31%
Ag 328.068†	622.3	10.9022	ug/L	0.68369	10.9022	ug/L	0.68369	6.27%
QC value within limits for Ag 328.068 Recovery = 109.02%								
Al 396.153†	351.5	97.9537	ug/L	13.07256	97.9537	ug/L	13.07256	13.35%
QC value within limits for Al 396.153 Recovery = 97.95%								
As 188.979†	120.9	203.241	ug/L	9.9495	203.241	ug/L	9.9495	4.90%
QC value within limits for As 188.979 Recovery = 101.62%								
B 249.677†	2020.4	109.053	ug/L	0.9468	109.053	ug/L	0.9468	0.87%
QC value within limits for B 249.677 Recovery = 109.05%								
Ba 455.398†	5743.5	19.9861	ug/L	0.09402	19.9861	ug/L	0.09402	0.47%
QC value within limits for Ba 455.398 Recovery = 99.93%								
Be 234.861†	366.2	1.87350	ug/L	0.071733	1.87350	ug/L	0.071733	3.83%
QC value within limits for Be 234.861 Recovery = 93.67%								
Ca 315.887†	1415.6	1.01280	mg/L	0.006971	1.01280	mg/L	0.006971	0.69%
QC value within limits for Ca 315.887 Recovery = 101.28%								
Cd 214.437†	233.2	8.92730	ug/L	0.039328	8.92730	ug/L	0.039328	0.44%
QC value within limits for Cd 214.437 Recovery = 89.27%								
Ce 413.764†	43.8	1.03389	ug/L	0.625709	1.03389	ug/L	0.625709	60.52%
Co 228.616†	128.2	18.4010	ug/L	0.12408	18.4010	ug/L	0.12408	0.67%
QC value within limits for Co 228.616 Recovery = 92.00%								
Cr 205.557†	211.6	19.0798	ug/L	0.07090	19.0798	ug/L	0.07090	0.37%
QC value within limits for Cr 205.557 Recovery = 95.40%								
Cu 327.397†	619.1	20.4994	ug/L	0.63213	20.4994	ug/L	0.63213	3.08%
QC value within limits for Cu 327.397 Recovery = 102.50%								
Fe 238.204†	46.6	21.2263	ug/L	1.87544	21.2263	ug/L	1.87544	8.84%
QC value within limits for Fe 238.204 Recovery = 106.13%								
K 766.490	119.9	0.162760	mg/L	0.0298138	0.162760	mg/L	0.0298138	18.32%
QC value within limits for K 766.490 Recovery = 81.38%								
Li 670.784†	592.3	17.3325	ug/L	0.43895	17.3325	ug/L	0.43895	2.53%
QC value within limits for Li 670.784 Recovery = 108.33%								
Mg 279.071†	440.3	0.990355	mg/L	0.0021777	0.990355	mg/L	0.0021777	0.22%
QC value within limits for Mg 279.071 Recovery = 99.04%								
Mn 257.610†	2811.9	19.5755	ug/L	0.05813	19.5755	ug/L	0.05813	0.30%
QC value within limits for Mn 257.610 Recovery = 97.88%								
Mo 202.031†	1433.3	201.204	ug/L	1.9002	201.204	ug/L	1.9002	0.94%
QC value within limits for Mo 202.031 Recovery = 100.60%								
Na 589.592†	6490.0	0.983560	mg/L	0.0017351	0.983560	mg/L	0.0017351	0.18%
QC value within limits for Na 589.592 Recovery = 98.36%								
Ni 231.604†	216.9	19.4627	ug/L	0.25504	19.4627	ug/L	0.25504	1.31%
QC value within limits for Ni 231.604 Recovery = 97.31%								
Pb 220.353†	154.2	98.3650	ug/L	2.66307	98.3650	ug/L	2.66307	2.71%
QC value within limits for Pb 220.353 Recovery = 98.37%								
Sb 217.584†	261.2	202.934	ug/L	2.4361	202.934	ug/L	2.4361	1.20%
QC value within limits for Sb 217.584 Recovery = 101.47%								
Se 196.026†	72.7	203.716	ug/L	16.5158	203.716	ug/L	16.5158	8.11%
QC value within limits for Se 196.026 Recovery = 101.86%								
Si 251.611†	2367.8	204.406	ug/L	0.4934	204.406	ug/L	0.4934	0.24%
QC value within limits for Si 251.611 Recovery = 102.20%								
Sn 189.927†	430.6	211.890	ug/L	2.4719	211.890	ug/L	2.4719	1.17%
QC value within limits for Sn 189.927 Recovery = 105.95%								
Sr 407.771†	76441.9	98.7761	ug/L	0.18455	98.7761	ug/L	0.18455	0.19%
QC value within limits for Sr 407.771 Recovery = 98.78%								
Ti 334.940†	2879.1	195.205	ug/L	1.5686	195.205	ug/L	1.5686	0.80%
QC value within limits for Ti 334.940 Recovery = 97.60%								
Tl 190.801†	148.9	196.518	ug/L	1.3896	196.518	ug/L	1.3896	0.71%
QC value within limits for Tl 190.801 Recovery = 98.26%								
V 292.395†	752.0	19.9096	ug/L	0.38632	19.9096	ug/L	0.38632	1.94%
QC value within limits for V 292.395 Recovery = 99.55%								
Zn 206.200†	188.8	20.2372	ug/L	1.32142	20.2372	ug/L	1.32142	6.53%
QC value within limits for Zn 206.200 Recovery = 101.19%								

All analyte(s) passed QC.

Sequence No.: 9
Sample ID: 0C02043-IFA1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 3/2/2010 1:11:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0C02043-IFA1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	189150.1	189150.1	99.3155	%			13:12:36
1	Al 396.153†	308108.9	310021.3	98836.3	ug/L	98836.3	ug/L	13:12:36
1	Ba 455.398†	127.5	128.3	0.675913	ug/L	0.675913	ug/L	13:12:36
1	Ca 315.887†	133877.0	134663.3	97.5767	mg/L	97.5767	mg/L	13:12:36
1	Fe 238.204†	81237.5	81769.3	39102.9	ug/L	39102.9	ug/L	13:12:36
1	K 766.490	89.9	10.1	0.0109952	mg/L	0.0109952	mg/L	13:12:56
1	Li 670.784†	69.2	3.0	0.523938	ug/L	0.523938	ug/L	13:12:56
1	Mg 279.071†	43251.9	43530.4	97.1102	mg/L	97.1102	mg/L	13:12:36
1	Na 589.592†	465.0	44.6	-0.0004680	mg/L	-0.0004680	mg/L	13:12:36
1	Sr 407.771†	733.7	623.2	1.12043	ug/L	1.12043	ug/L	13:12:56
1	Ti 334.940†	-51.1	-18.3	0.801365	ug/L	0.801365	ug/L	13:12:56
1	Y 360.076	225183.1	225183.1	96.7185	%			13:13:28
1	Ag 328.068†	-420.1	-450.8	-0.443502	ug/L	-0.443502	ug/L	13:13:28
1	As 188.979†	-10.6	10.3	6.98965	ug/L	6.98965	ug/L	13:13:48
1	B 249.677†	365.5	121.4	4.94931	ug/L	4.94931	ug/L	13:13:28
1	Be 234.861†	1719.2	2528.3	-0.482136	ug/L	-0.482136	ug/L	13:13:28
1	Cd 214.437†	669.9	299.6	-2.52334	ug/L	-2.52334	ug/L	13:13:48
1	Ce 413.764†	724.3	4.7	0.119261	ug/L	0.119261	ug/L	13:13:28
1	Co 228.616†	-56.9	19.1	-0.361503	ug/L	-0.361503	ug/L	13:13:48
1	Cr 205.557†	-41.4	-13.5	-0.436667	ug/L	-0.436667	ug/L	13:13:48
1	Cu 327.397†	43.0	40.0	2.07942	ug/L	2.07942	ug/L	13:13:28
1	Mn 257.610†	314.7	131.8	1.62959	ug/L	1.62959	ug/L	13:13:28
1	Mo 202.031†	148.0	72.7	10.0250	ug/L	10.0250	ug/L	13:13:48
1	Ni 231.604†	350.8	9.0	0.161398	ug/L	0.161398	ug/L	13:13:48
1	Pb 220.353†	26.9	-11.2	-9.21198	ug/L	-9.21198	ug/L	13:13:48
1	Sb 217.584†	-240.9	-195.2	-48.3628	ug/L	-48.3628	ug/L	13:13:48
1	Se 196.026†	-45.0	-9.7	2.10887	ug/L	2.10887	ug/L	13:13:48
1	Si 251.611†	767.9	325.7	20.1838	ug/L	20.1838	ug/L	13:13:48
1	Sn 189.927†	-72.5	-69.1	-21.5083	ug/L	-21.5083	ug/L	13:13:48
1	Tl 190.801†	-52.1	-20.2	-23.9080	ug/L	-23.9080	ug/L	13:13:48
1	V 292.395†	-1214.5	126.2	-4.15602	ug/L	-4.15602	ug/L	13:13:48
1	Zn 206.200†	-0.5	56.7	-2.53027	ug/L	-2.53027	ug/L	13:13:48
2	Sc 357.234	186235.8	186235.8	97.7853	%			13:13:01
2	Al 396.153†	306203.4	312927.5	99762.8	ug/L	99762.8	ug/L	13:13:01
2	Ba 455.398†	112.1	114.6	0.628916	ug/L	0.628916	ug/L	13:13:01
2	Ca 315.887†	132638.9	135506.7	98.1878	mg/L	98.1878	mg/L	13:13:01
2	Fe 238.204†	80726.6	82526.9	39465.2	ug/L	39465.2	ug/L	13:13:01
2	K 766.490	89.1	9.3	0.0098757	mg/L	0.0098757	mg/L	13:13:21
2	Li 670.784†	60.0	-5.3	0.286849	ug/L	0.286849	ug/L	13:13:21
2	Mg 279.071†	42948.6	43901.8	97.9387	mg/L	97.9387	mg/L	13:13:01
2	Na 589.592†	479.9	67.1	0.0029671	mg/L	0.0029671	mg/L	13:13:01
2	Sr 407.771†	702.9	603.2	1.09472	ug/L	1.09472	ug/L	13:13:21
2	Ti 334.940†	-42.2	-9.9	1.36034	ug/L	1.36034	ug/L	13:13:21
2	Y 360.076	226426.5	226426.5	97.2526	%			13:13:53
2	Ag 328.068†	-408.2	-436.2	-0.160917	ug/L	-0.160917	ug/L	13:13:53
2	As 188.979†	-15.7	5.1	-2.35899	ug/L	-2.35899	ug/L	13:14:13
2	B 249.677†	350.0	103.5	3.96673	ug/L	3.96673	ug/L	13:13:53
2	Be 234.861†	1744.2	2544.3	-0.525717	ug/L	-0.525717	ug/L	13:13:53
2	Cd 214.437†	672.2	298.2	-2.71719	ug/L	-2.71719	ug/L	13:14:13
2	Ce 413.764†	649.4	-76.4	-1.92407	ug/L	-1.92407	ug/L	13:13:53
2	Co 228.616†	-64.5	11.7	-1.58682	ug/L	-1.58682	ug/L	13:14:13
2	Cr 205.557†	-41.9	-13.9	-0.446666	ug/L	-0.446666	ug/L	13:14:13
2	Cu 327.397†	8.8	4.5	0.958270	ug/L	0.958270	ug/L	13:13:53
2	Mn 257.610†	310.4	125.7	1.59892	ug/L	1.59892	ug/L	13:13:53
2	Mo 202.031†	149.8	73.7	10.1691	ug/L	10.1691	ug/L	13:14:13
2	Ni 231.604†	348.1	4.3	-0.269366	ug/L	-0.269366	ug/L	13:14:13
2	Pb 220.353†	32.0	-6.1	-5.88746	ug/L	-5.88746	ug/L	13:14:13
2	Sb 217.584†	-232.1	-184.8	-38.8766	ug/L	-38.8766	ug/L	13:14:13

2	Se 196.026†	-44.5	-8.8	5.12215 ug/L	5.12215 ug/L	13:14:13
2	Si 251.611†	789.0	343.0	21.9503 ug/L	21.9503 ug/L	13:14:13
2	Sn 189.927†	-80.5	-76.9	-25.3601 ug/L	-25.3601 ug/L	13:14:13
2	Tl 190.801†	-38.6	-6.0	-5.55819 ug/L	-5.55819 ug/L	13:14:13
2	V 292.395†	-1210.9	136.7	-3.96805 ug/L	-3.96805 ug/L	13:14:13
2	Zn 206.200†	-0.1	57.1	-2.54727 ug/L	-2.54727 ug/L	13:14:13

Mean Data: 0C02043-IFA1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	187692.9	98.5504	%	1.08204				1.10%
Y 360.076	225804.8	96.9856	%	0.37762				0.39%
Ag 328.068†	-443.5	-0.302209	ug/L	0.1998179	-0.302209	ug/L	0.1998179	66.12%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	311474.4	99299.5	ug/L	655.16	99299.5	ug/L	655.16	0.66%
QC value within limits for Al 396.153 Recovery = 99.30%								
As 188.979†	7.7	2.31533	ug/L	6.610489	2.31533	ug/L	6.610489	285.51%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	112.5	4.45802	ug/L	0.694791	4.45802	ug/L	0.694791	15.59%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	121.4	0.652415	ug/L	0.0332319	0.652415	ug/L	0.0332319	5.09%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	2536.3	-0.503927	ug/L	0.0308163	-0.503927	ug/L	0.0308163	6.12%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	135085.0	97.8822	mg/L	0.43217	97.8822	mg/L	0.43217	0.44%
QC value within limits for Ca 315.887 Recovery = 97.88%								
Cd 214.437†	298.9	-2.62026	ug/L	0.137073	-2.62026	ug/L	0.137073	5.23%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	-35.9	-0.902405	ug/L	1.4448539	-0.902405	ug/L	1.4448539	160.11%
Co 228.616†	15.4	-0.974160	ug/L	0.8664279	-0.974160	ug/L	0.8664279	88.94%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	-13.7	-0.441666	ug/L	0.0070705	-0.441666	ug/L	0.0070705	1.60%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	22.3	1.51885	ug/L	0.792774	1.51885	ug/L	0.792774	52.20%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	82148.1	39284.0	ug/L	256.19	39284.0	ug/L	256.19	0.65%
QC value within limits for Fe 238.204 Recovery = 98.21%								
K 766.490	9.7	0.0104354	mg/L	0.00079158	0.0104354	mg/L	0.00079158	7.59%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	-1.1	0.405394	ug/L	0.1676467	0.405394	ug/L	0.1676467	41.35%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	43716.1	97.5245	mg/L	0.58582	97.5245	mg/L	0.58582	0.60%
QC value within limits for Mg 279.071 Recovery = 97.52%								
Mn 257.610†	128.7	1.61425	ug/L	0.021686	1.61425	ug/L	0.021686	1.34%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	73.2	10.0971	ug/L	0.10191	10.0971	ug/L	0.10191	1.01%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	55.9	0.0012496	mg/L	0.00242900	0.0012496	mg/L	0.00242900	194.39%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	6.7	-0.0539840	ug/L	0.30459606	-0.0539840	ug/L	0.30459606	564.23%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-8.7	-7.54972	ug/L	2.350790	-7.54972	ug/L	2.350790	31.14%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	-190.0	-43.6197	ug/L	6.70775	-43.6197	ug/L	6.70775	15.38%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	-9.3	3.61551	ug/L	2.130714	3.61551	ug/L	2.130714	58.93%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	334.4	21.0670	ug/L	1.24910	21.0670	ug/L	1.24910	5.93%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-73.0	-23.4342	ug/L	2.72363	-23.4342	ug/L	2.72363	11.62%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	613.2	1.10758	ug/L	0.018183	1.10758	ug/L	0.018183	1.64%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	-14.1	1.08085	ug/L	0.395255	1.08085	ug/L	0.395255	36.57%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-13.1	-14.7331	ug/L	12.97524	-14.7331	ug/L	12.97524	88.07%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	131.4	-4.06204	ug/L	0.132918	-4.06204	ug/L	0.132918	3.27%
QC value within limits for V 292.395 Recovery = Not calculated								
Zn 206.200†	56.9	-2.53877	ug/L	0.012021	-2.53877	ug/L	0.012021	0.47%

QC value within limits for Zn 206.200 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 10
Sample ID: 0C02043-IFA2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 3/2/2010 1:17:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0C02043-IFA2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	188798.1	188798.1	99.1307	%			13:18:36
1	Al 396.153†	488.7	282.0	65.3219	ug/L	65.3219	ug/L	13:18:36
1	Ba 455.398†	-38.8	-39.3	0.0998398	ug/L	0.0998398	ug/L	13:18:36
1	Ca 315.887†	113.7	-21.7	-0.0287486	mg/L	-0.0287486	mg/L	13:18:56
1	Fe 238.204†	38.0	10.3	-4.74277	ug/L	-4.74277	ug/L	13:18:56
1	K 766.490	74.4	-5.4	-0.0104437	mg/L	-0.0104437	mg/L	13:18:36
1	Li 670.784†	161.8	96.6	3.19176	ug/L	3.19176	ug/L	13:18:36
1	Mg 279.071†	-70.3	-90.5	-0.193827	mg/L	-0.193827	mg/L	13:18:56
1	Na 589.592†	932.1	516.6	0.0715897	mg/L	0.0715897	mg/L	13:18:36
1	Sr 407.771†	99.1	-15.6	0.297690	ug/L	0.297690	ug/L	13:18:36
1	Ti 334.940†	292909.7	295511.4	19829.6	ug/L	19829.6	ug/L	13:18:36
1	Y 360.076	231482.6	231482.6	99.4243	%			13:19:28
1	Ag 328.068†	49.8	33.6	5.83510	ug/L	5.83510	ug/L	13:19:33
1	As 188.979†	73.5	95.1	-19.4407	ug/L	-19.4407	ug/L	13:19:53
1	B 249.677†	369.4	115.1	11.0911	ug/L	11.0911	ug/L	13:19:53
1	Be 234.861†	-697.1	49.6	0.199684	ug/L	0.199684	ug/L	13:19:53
1	Cd 214.437†	680.7	291.6	-0.685757	ug/L	-0.685757	ug/L	13:19:33
1	Ce 413.764†	943.9	205.2	1.64446	ug/L	1.64446	ug/L	13:19:33
1	Co 228.616†	189.3	268.3	-2.57178	ug/L	-2.57178	ug/L	13:19:53
1	Cr 205.557†	207147.7	208376.5	20283.5	ug/L	20283.5	ug/L	13:19:28
1	Cu 327.397†	662112.8	665942.5	21068.0	ug/L	21068.0	ug/L	13:19:28
1	Mn 257.610†	2745063.5	2760766.1	19999.0	ug/L	19999.0	ug/L	13:19:28
1	Mo 202.031†	93.4	13.6	1.72529	ug/L	1.72529	ug/L	13:19:53
1	Ni 231.604†	225656.8	226609.8	20697.5	ug/L	20697.5	ug/L	13:19:28
1	Pb 220.353†	77.6	39.0	-18.1907	ug/L	-18.1907	ug/L	13:19:53
1	Sb 217.584†	-124.6	-71.4	-30.0953	ug/L	-30.0953	ug/L	13:19:53
1	Se 196.026†	-21.0	15.8	32.6072	ug/L	32.6072	ug/L	13:19:53
1	Si 251.611†	8213.4	7792.7	219.710	ug/L	219.710	ug/L	13:19:33
1	Sn 189.927†	-35.8	-30.1	-22.9884	ug/L	-22.9884	ug/L	13:19:53
1	Tl 190.801†	-193.0	-160.4	19.8845	ug/L	19.8845	ug/L	13:19:53
1	V 292.395†	848401.9	854696.7	20480.2	ug/L	20480.2	ug/L	13:19:28
1	Zn 206.200†	79.4	137.1	5.92537	ug/L	5.92537	ug/L	13:19:33
2	Sc 357.234	189817.9	189817.9	99.6662	%			13:19:01
2	Al 396.153†	441.6	232.0	49.4938	ug/L	49.4938	ug/L	13:19:01
2	Ba 455.398†	30.4	30.4	0.339477	ug/L	0.339477	ug/L	13:19:01
2	Ca 315.887†	118.5	-17.4	-0.0256496	mg/L	-0.0256496	mg/L	13:19:21
2	Fe 238.204†	33.0	5.1	-7.25586	ug/L	-7.25586	ug/L	13:19:21
2	K 766.490	72.4	-7.5	-0.0132328	mg/L	-0.0132328	mg/L	13:19:01
2	Li 670.784†	202.9	137.0	4.34478	ug/L	4.34478	ug/L	13:19:01
2	Mg 279.071†	-65.2	-85.0	-0.181392	mg/L	-0.181392	mg/L	13:19:21
2	Na 589.592†	915.9	495.3	0.0683411	mg/L	0.0683411	mg/L	13:19:01
2	Sr 407.771†	131.8	16.7	0.339253	ug/L	0.339253	ug/L	13:19:01
2	Ti 334.940†	292703.5	293717.1	19709.2	ug/L	19709.2	ug/L	13:19:01
2	Y 360.076	231468.2	231468.2	99.4181	%			13:19:59
2	Ag 328.068†	-35.8	-52.5	4.42401	ug/L	4.42401	ug/L	13:20:04
2	As 188.979†	72.1	93.8	-20.9954	ug/L	-20.9954	ug/L	13:20:24
2	B 249.677†	360.8	106.5	10.6915	ug/L	10.6915	ug/L	13:20:24
2	Be 234.861†	-680.9	65.9	0.286807	ug/L	0.286807	ug/L	13:20:24
2	Cd 214.437†	662.9	273.7	-1.47806	ug/L	-1.47806	ug/L	13:20:04
2	Ce 413.764†	958.1	219.6	2.04602	ug/L	2.04602	ug/L	13:20:04
2	Co 228.616†	175.3	254.3	-4.60151	ug/L	-4.60151	ug/L	13:20:24
2	Cr 205.557†	207134.4	208376.1	20283.4	ug/L	20283.4	ug/L	13:19:59
2	Cu 327.397†	659917.1	663775.3	20999.4	ug/L	20999.4	ug/L	13:19:59
2	Mn 257.610†	2744537.9	2760409.1	19996.5	ug/L	19996.5	ug/L	13:19:59
2	Mo 202.031†	93.6	13.8	1.75407	ug/L	1.75407	ug/L	13:20:24
2	Ni 231.604†	225606.0	226572.9	20694.1	ug/L	20694.1	ug/L	13:19:59
2	Pb 220.353†	75.5	36.9	-19.4844	ug/L	-19.4844	ug/L	13:20:24

: 00252

2	Sb 217.584†	-113.3	-60.1	-21.0392 ug/L	-21.0392 ug/L	13:20:24
2	Se 196.026†	-33.4	3.3	-4.80589 ug/L	-4.80589 ug/L	13:20:24
2	Si 251.611†	8204.6	7784.4	222.051 ug/L	222.051 ug/L	13:20:04
2	Sn 189.927†	-38.0	-32.4	-24.1166 ug/L	-24.1166 ug/L	13:20:24
2	Tl 190.801†	-193.3	-160.8	18.3063 ug/L	18.3063 ug/L	13:20:24
2	V 292.395†	847442.4	853784.6	20458.4 ug/L	20458.4 ug/L	13:19:59
2	Zn 206.200†	106.3	164.1	9.07564 ug/L	9.07564 ug/L	13:20:04

Mean Data: 0C02043-IFA2

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	189308.0	99.3984	%	0.37862				0.38%
Y 360.076	231475.4	99.4212	%	0.00437				0.00%
Ag 328.068†	-9.4	5.12955	ug/L	0.997793	5.12955	ug/L	0.997793	19.45%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	257.0	57.4079	ug/L	11.19220	57.4079	ug/L	11.19220	19.50%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	94.5	-20.2180	ug/L	1.09930	-20.2180	ug/L	1.09930	5.44%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	110.8	10.8913	ug/L	0.28255	10.8913	ug/L	0.28255	2.59%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	-4.4	0.219659	ug/L	0.1694494	0.219659	ug/L	0.1694494	77.14%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	57.7	0.243246	ug/L	0.0616055	0.243246	ug/L	0.0616055	25.33%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	-19.5	-0.0271991	mg/L	0.00219128	-0.0271991	mg/L	0.00219128	8.06%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	282.7	-1.08191	ug/L	0.560246	-1.08191	ug/L	0.560246	51.78%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	212.4	1.84524	ug/L	0.283948	1.84524	ug/L	0.283948	15.39%
Co 228.616†	261.3	-3.58665	ug/L	1.435232	-3.58665	ug/L	1.435232	40.02%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	208376.3	20283.4	ug/L	0.03	20283.4	ug/L	0.03	0.00%
QC value within limits for Cr 205.557 Recovery = 101.42%								
Cu 327.397†	664858.9	21033.7	ug/L	48.49	21033.7	ug/L	48.49	0.23%
QC value within limits for Cu 327.397 Recovery = 105.17%								
Fe 238.204†	7.7	-5.99931	ug/L	1.777026	-5.99931	ug/L	1.777026	29.62%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	-6.5	-0.0118383	mg/L	0.00197221	-0.0118383	mg/L	0.00197221	16.66%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	116.8	3.76827	ug/L	0.815305	3.76827	ug/L	0.815305	21.64%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	-87.8	-0.187609	mg/L	0.0087933	-0.187609	mg/L	0.0087933	4.69%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	2760587.6	19997.8	ug/L	1.83	19997.8	ug/L	1.83	0.01%
QC value within limits for Mn 257.610 Recovery = 99.99%								
Mo 202.031†	13.7	1.73968	ug/L	0.020351	1.73968	ug/L	0.020351	1.17%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	506.0	0.0699654	mg/L	0.00229709	0.0699654	mg/L	0.00229709	3.28%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	226591.4	20695.8	ug/L	2.38	20695.8	ug/L	2.38	0.01%
QC value within limits for Ni 231.604 Recovery = 103.48%								
Pb 220.353†	37.9	-18.8375	ug/L	0.91480	-18.8375	ug/L	0.91480	4.86%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	-65.8	-25.5672	ug/L	6.40358	-25.5672	ug/L	6.40358	25.05%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	9.5	13.9006	ug/L	26.45504	13.9006	ug/L	26.45504	190.32%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	7788.5	220.881	ug/L	1.6551	220.881	ug/L	1.6551	0.75%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-31.2	-23.5525	ug/L	0.79776	-23.5525	ug/L	0.79776	3.39%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	0.5	0.318472	ug/L	0.0293894	0.318472	ug/L	0.0293894	9.23%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	294614.3	19769.4	ug/L	85.13	19769.4	ug/L	85.13	0.43%
QC value within limits for Ti 334.940 Recovery = 98.85%								
Tl 190.801†	-160.6	19.0954	ug/L	1.11591	19.0954	ug/L	1.11591	5.84%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	854240.6	20469.3	ug/L	15.41	20469.3	ug/L	15.41	0.08%
QC value within limits for V 292.395 Recovery = 102.35%								

Zn 206.200† 150.6 7.50050 ug/L 2.227578 7.50050 ug/L 2.227578 29.70%
QC value within limits for Zn 206.200 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 11
Sample ID: 0C02043-IFB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 13
Date Collected: 3/2/2010 1:23:42 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0C02043-IFB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	184371.1	184371.1	96.8063	%			13:24:48
1	Al 396.153†	309086.1	319072.1	101722	ug/L	101722	ug/L	13:24:48
1	Ba 455.398†	129374.3	133642.4	459.818	ug/L	459.818	ug/L	13:24:48
1	Ca 315.887†	133210.7	137469.1	99.6100	mg/L	99.6100	mg/L	13:24:48
1	Fe 238.204†	80988.7	83632.6	39993.5	ug/L	39993.5	ug/L	13:24:48
1	K 766.490	72.2	-7.6	-0.0134203	mg/L	-0.0134203	mg/L	13:25:08
1	Li 670.784†	73.0	8.7	0.686540	ug/L	0.686540	ug/L	13:25:08
1	Mg 279.071†	43210.7	44616.7	99.5334	mg/L	99.5334	mg/L	13:24:48
1	Na 589.592†	451.2	42.4	-0.0008017	mg/L	-0.0008017	mg/L	13:24:48
1	Sr 407.771†	714.7	622.7	1.11984	ug/L	1.11984	ug/L	13:25:08
1	Ti 334.940†	-40.0	-8.1	1.48199	ug/L	1.48199	ug/L	13:25:08
1	Y 360.076	222569.8	222569.8	95.5961	%			13:25:40
1	Ag 328.068†	59675.6	62408.2	1027.04	ug/L	1027.04	ug/L	13:25:40
1	As 188.979†	-24.2	-4.0	-19.8632	ug/L	-19.8632	ug/L	13:26:00
1	B 249.677†	339.4	98.7	2.72242	ug/L	2.72242	ug/L	13:25:40
1	Be 234.861†	10968.5	12224.6	50.6447	ug/L	50.6447	ug/L	13:25:40
1	Cd 214.437†	22683.4	23335.3	984.003	ug/L	984.003	ug/L	13:25:40
1	Ce 413.764†	703.1	-8.7	-0.120488	ug/L	-0.120488	ug/L	13:25:40
1	Co 228.616†	2867.7	3077.8	499.181	ug/L	499.181	ug/L	13:26:00
1	Cr 205.557†	4981.2	5239.9	510.729	ug/L	510.729	ug/L	13:26:00
1	Cu 327.397†	16269.5	17014.5	538.650	ug/L	538.650	ug/L	13:25:40
1	Mn 257.610†	66614.4	69489.6	504.113	ug/L	504.113	ug/L	13:25:40
1	Mo 202.031†	150.8	77.4	10.6899	ug/L	10.6899	ug/L	13:26:00
1	Ni 231.604†	10670.9	10808.8	985.796	ug/L	985.796	ug/L	13:25:40
1	Pb 220.353†	1535.6	1567.3	1015.07	ug/L	1015.07	ug/L	13:26:00
1	Sb 217.584†	-245.6	-203.0	-50.2265	ug/L	-50.2265	ug/L	13:26:00
1	Se 196.026†	-51.2	-16.7	-17.8536	ug/L	-17.8536	ug/L	13:26:00
1	Si 251.611†	913.3	487.2	36.1509	ug/L	36.1509	ug/L	13:26:00
1	Sn 189.927†	-90.0	-88.3	-30.8383	ug/L	-30.8383	ug/L	13:26:00
1	Tl 190.801†	-32.9	-0.8	-1.21379	ug/L	-1.21379	ug/L	13:26:00
1	V 292.395†	19225.5	21493.0	507.993	ug/L	507.993	ug/L	13:25:40
1	Zn 206.200†	7963.1	8387.1	968.900	ug/L	968.900	ug/L	13:25:40
2	Sc 357.234	184997.5	184997.5	97.1351	%			13:25:13
2	Al 396.153†	308378.5	317262.7	101145	ug/L	101145	ug/L	13:25:13
2	Ba 455.398†	128986.0	132790.2	456.888	ug/L	456.888	ug/L	13:25:13
2	Ca 315.887†	132887.5	136670.5	99.0313	mg/L	99.0313	mg/L	13:25:13
2	Fe 238.204†	80930.4	83289.4	39829.4	ug/L	39829.4	ug/L	13:25:13
2	K 766.490	103.3	23.5	0.0295130	mg/L	0.0295130	mg/L	13:25:33
2	Li 670.784†	59.9	-4.9	0.296495	ug/L	0.296495	ug/L	13:25:33
2	Mg 279.071†	43265.3	44521.7	99.3216	mg/L	99.3216	mg/L	13:25:13
2	Na 589.592†	499.4	90.5	0.0065339	mg/L	0.0065339	mg/L	13:25:13
2	Sr 407.771†	731.7	637.7	1.13915	ug/L	1.13915	ug/L	13:25:33
2	Ti 334.940†	-48.1	-16.4	0.930125	ug/L	0.930125	ug/L	13:25:33
2	Y 360.076	224641.8	224641.8	96.4861	%			13:26:05
2	Ag 328.068†	59609.4	61763.8	1016.47	ug/L	1016.47	ug/L	13:26:05
2	As 188.979†	-19.4	1.1	-10.5697	ug/L	-10.5697	ug/L	13:26:25
2	B 249.677†	341.8	97.9	2.67133	ug/L	2.67133	ug/L	13:26:05
2	Be 234.861†	11008.6	12160.3	50.3625	ug/L	50.3625	ug/L	13:26:05
2	Cd 214.437†	22614.4	23045.0	971.633	ug/L	971.633	ug/L	13:26:05
2	Ce 413.764†	674.6	-45.0	-1.03518	ug/L	-1.03518	ug/L	13:26:05
2	Co 228.616†	2864.7	3047.0	494.153	ug/L	494.153	ug/L	13:26:25
2	Cr 205.557†	4988.4	5199.3	506.773	ug/L	506.773	ug/L	13:26:25
2	Cu 327.397†	16218.7	16804.9	532.024	ug/L	532.024	ug/L	13:26:05
2	Mn 257.610†	66642.9	68876.5	499.665	ug/L	499.665	ug/L	13:26:05
2	Mo 202.031†	136.1	60.7	8.34157	ug/L	8.34157	ug/L	13:26:25
2	Ni 231.604†	10663.9	10698.6	975.741	ug/L	975.741	ug/L	13:26:05

2	Pb 220.353†	1539.1	1556.1	1007.83 ug/L	1007.83 ug/L	13:26:25
2	Sb 217.584†	-251.8	-207.0	-53.9837 ug/L	-53.9837 ug/L	13:26:25
2	Se 196.026†	-57.5	-22.7	-36.1208 ug/L	-36.1208 ug/L	13:26:25
2	Si 251.611†	867.6	430.9	30.6322 ug/L	30.6322 ug/L	13:26:25
2	Sn 189.927†	-89.8	-87.2	-30.4145 ug/L	-30.4145 ug/L	13:26:25
2	Tl 190.801†	-36.8	-4.5	-5.97289 ug/L	-5.97289 ug/L	13:26:25
2	V 292.395†	19197.6	21278.6	502.859 ug/L	502.859 ug/L	13:26:05
2	Zn 206.200†	8006.9	8355.7	965.262 ug/L	965.262 ug/L	13:26:05

Mean Data: 0C02043-IFB1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	184684.3	96.9707	%	0.23254				0.24%
Y 360.076	223605.8	96.0411	%	0.62931				0.66%
Ag 328.068†	62086.0	1021.76	ug/L	7.470	1021.76	ug/L	7.470	0.73%
QC value within limits for Ag 328.068 Recovery = 102.18%								
Al 396.153†	318167.4	101433	ug/L	407.9	101433	ug/L	407.9	0.40%
QC value within limits for Al 396.153 Recovery = 101.43%								
As 188.979†	-1.5	-15.2165	ug/L	6.57147	-15.2165	ug/L	6.57147	43.19%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	98.3	2.69688	ug/L	0.036131	2.69688	ug/L	0.036131	1.34%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	133216.3	458.353	ug/L	2.0722	458.353	ug/L	2.0722	0.45%
QC value within limits for Ba 455.398 Recovery = 91.67%								
Be 234.861†	12192.4	50.5036	ug/L	0.19954	50.5036	ug/L	0.19954	0.40%
QC value within limits for Be 234.861 Recovery = 101.01%								
Ca 315.887†	137069.8	99.3206	mg/L	0.40922	99.3206	mg/L	0.40922	0.41%
QC value within limits for Ca 315.887 Recovery = 99.32%								
Cd 214.437†	23190.1	977.818	ug/L	8.7469	977.818	ug/L	8.7469	0.89%
QC value within limits for Cd 214.437 Recovery = 97.78%								
Ce 413.764†	-26.8	-0.577832	ug/L	0.6467813	-0.577832	ug/L	0.6467813	111.93%
Co 228.616†	3062.4	496.667	ug/L	3.5549	496.667	ug/L	3.5549	0.72%
QC value within limits for Co 228.616 Recovery = 99.33%								
Cr 205.557†	5219.6	508.751	ug/L	2.7971	508.751	ug/L	2.7971	0.55%
QC value within limits for Cr 205.557 Recovery = 101.75%								
Cu 327.397†	16909.7	535.337	ug/L	4.6856	535.337	ug/L	4.6856	0.88%
QC value within limits for Cu 327.397 Recovery = 107.07%								
Fe 238.204†	83461.0	39911.4	ug/L	116.07	39911.4	ug/L	116.07	0.29%
QC value within limits for Fe 238.204 Recovery = 99.78%								
K 766.490	7.9	0.0080463	mg/L	0.03035842	0.0080463	mg/L	0.03035842	377.30%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	1.9	0.491518	ug/L	0.2758034	0.491518	ug/L	0.2758034	56.11%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	44569.2	99.4275	mg/L	0.14975	99.4275	mg/L	0.14975	0.15%
QC value within limits for Mg 279.071 Recovery = 99.43%								
Mn 257.610†	69183.0	501.889	ug/L	3.1452	501.889	ug/L	3.1452	0.63%
QC value within limits for Mn 257.610 Recovery = 100.38%								
Mo 202.031†	69.1	9.51574	ug/L	1.660527	9.51574	ug/L	1.660527	17.45%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	66.4	0.0028661	mg/L	0.00518708	0.0028661	mg/L	0.00518708	180.98%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	10753.7	980.769	ug/L	7.1101	980.769	ug/L	7.1101	0.72%
QC value within limits for Ni 231.604 Recovery = 98.08%								
Pb 220.353†	1561.7	1011.45	ug/L	5.123	1011.45	ug/L	5.123	0.51%
QC value within limits for Pb 220.353 Recovery = 101.15%								
Sb 217.584†	-205.0	-52.1051	ug/L	2.65674	-52.1051	ug/L	2.65674	5.10%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	-19.7	-26.9872	ug/L	12.91688	-26.9872	ug/L	12.91688	47.86%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	459.0	33.3916	ug/L	3.90228	33.3916	ug/L	3.90228	11.69%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-87.7	-30.6264	ug/L	0.29967	-30.6264	ug/L	0.29967	0.98%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	630.2	1.12949	ug/L	0.013653	1.12949	ug/L	0.013653	1.21%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	-12.2	1.20606	ug/L	0.390224	1.20606	ug/L	0.390224	32.36%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-2.6	-3.59334	ug/L	3.365197	-3.59334	ug/L	3.365197	93.65%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	21385.8	505.426	ug/L	3.6305	505.426	ug/L	3.6305	0.72%

QC value within limits for V 292.395 Recovery = 101.09%

Zn 206.200†	8371.4	967.081 ug/L	2.5718	967.081 ug/L	2.5718	0.27%

QC value within limits for Zn 206.200 Recovery = 96.71%

All analyte(s) passed QC.

Sequence No.: 12
Sample ID: 0C02043-IFB2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 3/2/2010 1:29:42 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0C02043-IFB2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	189125.3	189125.3	99.3025	%			13:30:47
1	Al 396.153†	3513.6	3327.3	1018.90	ug/L	1018.90	ug/L	13:30:47
1	Ba 455.398†	1.6	1.5	0.240136	ug/L	0.240136	ug/L	13:30:47
1	Ca 315.887†	6969.9	6882.5	4.97468	mg/L	4.97468	mg/L	13:30:47
1	Fe 238.204†	39.1	11.4	-4.64562	ug/L	-4.64562	ug/L	13:31:07
1	K 766.490	92.7	12.8	0.0147685	mg/L	0.0147685	mg/L	13:30:47
1	Li 670.784†	185.3	120.0	3.85968	ug/L	3.85968	ug/L	13:30:47
1	Mg 279.071†	2197.0	2192.9	4.89976	mg/L	4.89976	mg/L	13:31:07
1	Na 589.592†	33717.9	33531.1	5.11195	mg/L	5.11195	mg/L	13:30:47
1	Sr 407.771†	334.8	221.5	0.603105	ug/L	0.603105	ug/L	13:30:47
1	Ti 334.940†	295782.8	297893.6	19989.4	ug/L	19989.4	ug/L	13:30:47
1	Y 360.076	228168.0	228168.0	98.0006	%			13:31:39
1	Ag 328.068†	57.7	42.4	6.12114	ug/L	6.12114	ug/L	13:31:44
1	As 188.979†	634.3	668.5	1003.38	ug/L	1003.38	ug/L	13:32:04
1	B 249.677†	17211.8	17306.6	995.373	ug/L	995.373	ug/L	13:31:44
1	Be 234.861†	-691.4	45.3	0.169706	ug/L	0.169706	ug/L	13:32:04
1	Cd 214.437†	682.8	303.7	-0.445082	ug/L	-0.445082	ug/L	13:31:44
1	Ce 413.764†	932.9	207.8	1.72101	ug/L	1.72101	ug/L	13:31:44
1	Co 228.616†	193.5	275.4	-1.76695	ug/L	-1.76695	ug/L	13:32:04
1	Cr 205.557†	207572.0	211836.1	20620.3	ug/L	20620.3	ug/L	13:31:39
1	Cu 327.397†	662059.2	675561.9	21372.3	ug/L	21372.3	ug/L	13:31:39
1	Mn 257.610†	2748325.4	2804202.7	20313.7	ug/L	20313.7	ug/L	13:31:39
1	Mo 202.031†	7158.9	7224.6	1014.94	ug/L	1014.94	ug/L	13:31:44
1	Ni 231.604†	225803.0	230056.1	21014.1	ug/L	21014.1	ug/L	13:31:39
1	Pb 220.353†	64.5	26.8	-26.8236	ug/L	-26.8236	ug/L	13:32:04
1	Sb 217.584†	1091.8	1168.0	971.649	ug/L	971.649	ug/L	13:32:04
1	Se 196.026†	300.3	343.3	1017.30	ug/L	1017.30	ug/L	13:32:04
1	Si 251.611†	7303.9	6984.6	136.653	ug/L	136.653	ug/L	13:31:44
1	Sn 189.927†	-48.0	-43.2	-28.5279	ug/L	-28.5279	ug/L	13:32:04
1	Tl 190.801†	567.5	612.7	1022.18	ug/L	1022.18	ug/L	13:32:04
1	V 292.395†	851876.4	870638.0	20873.1	ug/L	20873.1	ug/L	13:31:39
1	Zn 206.200†	92.1	151.1	8.01119	ug/L	8.01119	ug/L	13:31:44
2	Sc 357.234	187353.5	187353.5	98.3722	%			13:31:12
2	Al 396.153†	3534.9	3382.4	1036.53	ug/L	1036.53	ug/L	13:31:12
2	Ba 455.398†	-12.5	-12.7	0.191055	ug/L	0.191055	ug/L	13:31:12
2	Ca 315.887†	6971.3	6950.3	5.02380	mg/L	5.02380	mg/L	13:31:12
2	Fe 238.204†	39.2	11.9	-4.43525	ug/L	-4.43525	ug/L	13:31:32
2	K 766.490	117.4	37.6	0.0489703	mg/L	0.0489703	mg/L	13:31:12
2	Li 670.784†	113.8	49.0	1.83540	ug/L	1.83540	ug/L	13:31:12
2	Mg 279.071†	2214.3	2231.4	4.98566	mg/L	4.98566	mg/L	13:31:32
2	Na 589.592†	33647.8	33780.9	5.15009	mg/L	5.15009	mg/L	13:31:12
2	Sr 407.771†	331.2	221.1	0.602600	ug/L	0.602600	ug/L	13:31:12
2	Ti 334.940†	294840.4	299752.4	20114.1	ug/L	20114.1	ug/L	13:31:12
2	Y 360.076	228482.4	228482.4	98.1356	%			13:32:10
2	Ag 328.068†	-48.2	-65.6	4.36185	ug/L	4.36185	ug/L	13:32:15
2	As 188.979†	641.7	675.2	1014.39	ug/L	1014.39	ug/L	13:32:35
2	B 249.677†	17066.2	17134.0	985.459	ug/L	985.459	ug/L	13:32:15
2	Be 234.861†	-701.0	36.5	0.122968	ug/L	0.122968	ug/L	13:32:35
2	Cd 214.437†	676.2	295.9	-0.785533	ug/L	-0.785533	ug/L	13:32:15
2	Ce 413.764†	910.5	183.7	1.07602	ug/L	1.07602	ug/L	13:32:15
2	Co 228.616†	181.3	262.7	-4.12709	ug/L	-4.12709	ug/L	13:32:35
2	Cr 205.557†	208203.2	212187.9	20654.5	ug/L	20654.5	ug/L	13:32:10
2	Cu 327.397†	664410.4	677028.3	21418.7	ug/L	21418.7	ug/L	13:32:10
2	Mn 257.610†	2756665.9	2808843.4	20347.3	ug/L	20347.3	ug/L	13:32:10
2	Mo 202.031†	7117.0	7171.9	1007.53	ug/L	1007.53	ug/L	13:32:15

2	Ni 231.604†	226613.7	230565.2	21060.6 ug/L	21060.6 ug/L	13:32:10
2	Pb 220.353†	74.4	36.7	-20.4016 ug/L	-20.4016 ug/L	13:32:35
2	Sb 217.584†	1104.1	1178.9	980.569 ug/L	980.569 ug/L	13:32:35
2	Se 196.026†	295.7	338.2	1001.95 ug/L	1001.95 ug/L	13:32:35
2	Si 251.611†	7388.1	7060.2	140.760 ug/L	140.760 ug/L	13:32:15
2	Sn 189.927†	-48.6	-43.7	-28.7909 ug/L	-28.7909 ug/L	13:32:35
2	Tl 190.801†	578.7	623.3	1037.17 ug/L	1037.17 ug/L	13:32:35
2	V 292.395†	854695.5	872314.8	20913.2 ug/L	20913.2 ug/L	13:32:10
2	Zn 206.200†	96.9	156.0	8.55431 ug/L	8.55431 ug/L	13:32:15

Mean Data: 0C02043-IFB2

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	188239.4	98.8373	%	0.65781				0.67%
Y 360.076	228325.2	98.0681	%	0.09547				0.10%
Ag 328.068†	-11.6	5.24150	ug/L	1.244009	5.24150	ug/L	1.244009	23.73%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	3354.8	1027.72	ug/L	12.464	1027.72	ug/L	12.464	1.21%
QC value within limits for Al 396.153 Recovery = 102.77%								
As 188.979†	671.9	1008.89	ug/L	7.786	1008.89	ug/L	7.786	0.77%
QC value within limits for As 188.979 Recovery = 100.89%								
B 249.677†	17220.3	990.416	ug/L	7.0101	990.416	ug/L	7.0101	0.71%
QC value within limits for B 249.677 Recovery = 99.04%								
Ba 455.398†	-5.6	0.215596	ug/L	0.0347056	0.215596	ug/L	0.0347056	16.10%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	40.9	0.146337	ug/L	0.0330486	0.146337	ug/L	0.0330486	22.58%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	6916.4	4.99924	mg/L	0.034733	4.99924	mg/L	0.034733	0.69%
QC value within limits for Ca 315.887 Recovery = 99.98%								
Cd 214.437†	299.8	-0.615308	ug/L	0.2407349	-0.615308	ug/L	0.2407349	39.12%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	195.7	1.39851	ug/L	0.456075	1.39851	ug/L	0.456075	32.61%
Co 228.616†	269.0	-2.94702	ug/L	1.668878	-2.94702	ug/L	1.668878	56.63%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	212012.0	20637.4	ug/L	24.21	20637.4	ug/L	24.21	0.12%
QC value within limits for Cr 205.557 Recovery = 103.19%								
Cu 327.397†	676295.1	21395.5	ug/L	32.84	21395.5	ug/L	32.84	0.15%
QC value within limits for Cu 327.397 Recovery = 106.98%								
Fe 238.204†	11.6	-4.54043	ug/L	0.148750	-4.54043	ug/L	0.148750	3.28%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	25.2	0.0318694	mg/L	0.02418438	0.0318694	mg/L	0.02418438	75.89%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	84.5	2.84754	ug/L	1.431382	2.84754	ug/L	1.431382	50.27%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	2212.1	4.94271	mg/L	0.060740	4.94271	mg/L	0.060740	1.23%
QC value within limits for Mg 279.071 Recovery = 98.85%								
Mn 257.610†	2806523.0	20330.5	ug/L	23.77	20330.5	ug/L	23.77	0.12%
QC value within limits for Mn 257.610 Recovery = 101.65%								
Mo 202.031†	7198.3	1011.23	ug/L	5.235	1011.23	ug/L	5.235	0.52%
QC value within limits for Mo 202.031 Recovery = 101.12%								
Na 589.592†	33656.0	5.13102	mg/L	0.026973	5.13102	mg/L	0.026973	0.53%
QC value within limits for Na 589.592 Recovery = 102.62%								
Ni 231.604†	230310.7	21037.3	ug/L	32.87	21037.3	ug/L	32.87	0.16%
QC value within limits for Ni 231.604 Recovery = 105.19%								
Pb 220.353†	31.8	-23.6126	ug/L	4.54101	-23.6126	ug/L	4.54101	19.23%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	1173.5	976.109	ug/L	6.3076	976.109	ug/L	6.3076	0.65%
QC value within limits for Sb 217.584 Recovery = 97.61%								
Se 196.026†	340.8	1009.63	ug/L	10.853	1009.63	ug/L	10.853	1.07%
QC value within limits for Se 196.026 Recovery = 100.96%								
Si 251.611†	7022.4	138.706	ug/L	2.9047	138.706	ug/L	2.9047	2.09%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-43.4	-28.6594	ug/L	0.18601	-28.6594	ug/L	0.18601	0.65%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	221.3	0.602852	ug/L	0.0003572	0.602852	ug/L	0.0003572	0.06%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	298823.0	20051.8	ug/L	88.19	20051.8	ug/L	88.19	0.44%
QC value within limits for Ti 334.940 Recovery = 100.26%								
Tl 190.801†	618.0	1029.68	ug/L	10.603	1029.68	ug/L	10.603	1.03%
QC value within limits for Tl 190.801 Recovery = 102.97%								

: 00257

V 292.395† 871476.4 20893.2 ug/L 28.32 20893.2 ug/L 28.32 0.14%
QC value within limits for V 292.395 Recovery = 104.47%
Zn 206.200† 153.6 8.28275 ug/L 0.384045 8.28275 ug/L 0.384045 4.64%
QC value within limits for Zn 206.200 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 13
Sample ID: 0C02043-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 3/2/2010 1:35:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0C02043-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	188030.8	188030.8	98.7278	%			13:36:57
1	Al 396.153†	7975.9	7867.7	2489.13	ug/L	2489.13	ug/L	13:37:17
1	Ba 455.398†	143754.1	145606.4	500.962	ug/L	500.962	ug/L	13:36:57
1	Ca 315.887†	6936.1	6889.2	4.97951	mg/L	4.97951	mg/L	13:37:17
1	Fe 238.204†	1069.4	1055.2	503.027	ug/L	503.027	ug/L	13:37:17
1	K 766.490	3648.8	3568.9	4.92704	mg/L	4.92704	mg/L	13:37:17
1	Li 670.784†	17455.4	17613.7	502.837	ug/L	502.837	ug/L	13:36:57
1	Mg 279.071†	2229.0	2238.2	5.00075	mg/L	5.00075	mg/L	13:37:17
1	Na 589.592†	32888.0	32888.2	5.01379	mg/L	5.01379	mg/L	13:36:57
1	Sr 407.771†	383673.2	388501.5	500.714	ug/L	500.714	ug/L	13:36:57
1	Ti 334.940†	7253.5	7380.1	497.202	ug/L	497.202	ug/L	13:37:17
1	Y 360.076	230335.4	230335.4	98.9315	%			13:37:48
1	Ag 328.068†	30389.4	30701.2	502.651	ug/L	502.651	ug/L	13:37:48
1	As 188.979†	1383.3	1419.5	2520.74	ug/L	2520.74	ug/L	13:38:09
1	B 249.677†	8996.2	8836.9	498.039	ug/L	498.039	ug/L	13:37:48
1	Be 234.861†	8652.6	9496.9	50.1398	ug/L	50.1398	ug/L	13:38:09
1	Cd 214.437†	12014.3	11751.1	502.217	ug/L	502.217	ug/L	13:38:09
1	Ce 413.764†	696.8	-39.8	-1.09142	ug/L	-1.09142	ug/L	13:37:48
1	Co 228.616†	2993.1	3103.4	503.765	ug/L	503.765	ug/L	13:38:09
1	Cr 205.557†	5100.4	5184.7	503.234	ug/L	503.234	ug/L	13:38:09
1	Cu 327.397†	16182.3	16352.6	518.021	ug/L	518.021	ug/L	13:37:48
1	Mn 257.610†	69475.1	70031.9	506.556	ug/L	506.556	ug/L	13:37:48
1	Mo 202.031†	3624.6	3583.4	503.312	ug/L	503.312	ug/L	13:38:09
1	Ni 231.604†	5848.1	5557.6	507.034	ug/L	507.034	ug/L	13:38:09
1	Pb 220.353†	809.2	778.9	503.157	ug/L	503.157	ug/L	13:38:09
1	Sb 217.584†	3044.4	3131.2	2523.93	ug/L	2523.93	ug/L	13:38:09
1	Se 196.026†	809.6	855.2	2556.67	ug/L	2556.67	ug/L	13:38:09
1	Si 251.611†	26526.4	26344.7	2536.99	ug/L	2536.99	ug/L	13:37:48
1	Sn 189.927†	4901.7	4960.5	2519.70	ug/L	2519.70	ug/L	13:38:09
1	Tl 190.801†	1897.8	1952.0	2529.46	ug/L	2529.46	ug/L	13:38:09
1	V 292.395†	19447.8	21039.7	509.281	ug/L	509.281	ug/L	13:37:48
1	Zn 206.200†	4235.6	4338.6	504.183	ug/L	504.183	ug/L	13:38:09
2	Sc 357.234	190462.2	190462.2	100.004	%			13:37:22
2	Al 396.153†	8019.1	7807.7	2470.05	ug/L	2470.05	ug/L	13:37:42
2	Ba 455.398†	144719.4	144712.8	497.889	ug/L	497.889	ug/L	13:37:22
2	Ca 315.887†	6967.2	6830.5	4.93699	mg/L	4.93699	mg/L	13:37:42
2	Fe 238.204†	1074.8	1046.7	498.987	ug/L	498.987	ug/L	13:37:42
2	K 766.490	3663.7	3583.9	4.94765	mg/L	4.94765	mg/L	13:37:42
2	Li 670.784†	17605.9	17538.5	500.690	ug/L	500.690	ug/L	13:37:22
2	Mg 279.071†	2241.7	2222.0	4.96476	mg/L	4.96476	mg/L	13:37:42
2	Na 589.592†	33132.0	32706.9	4.98611	mg/L	4.98611	mg/L	13:37:22
2	Sr 407.771†	386024.2	385891.4	497.352	ug/L	497.352	ug/L	13:37:22
2	Ti 334.940†	7315.6	7348.4	495.074	ug/L	495.074	ug/L	13:37:42
2	Y 360.076	232224.6	232224.6	99.7429	%			13:38:14
2	Ag 328.068†	29972.9	30033.7	491.747	ug/L	491.747	ug/L	13:38:14
2	As 188.979†	1379.5	1404.3	2493.53	ug/L	2493.53	ug/L	13:38:34
2	B 249.677†	8892.6	8659.1	487.872	ug/L	487.872	ug/L	13:38:14
2	Be 234.861†	8668.3	9441.4	49.8472	ug/L	49.8472	ug/L	13:38:34
2	Cd 214.437†	12057.8	11695.8	499.851	ug/L	499.851	ug/L	13:38:34
2	Ce 413.764†	750.7	8.5	0.122158	ug/L	0.122158	ug/L	13:38:14
2	Co 228.616†	2997.2	3082.9	500.413	ug/L	500.413	ug/L	13:38:34
2	Cr 205.557†	5133.4	5175.9	502.376	ug/L	502.376	ug/L	13:38:34
2	Cu 327.397†	15890.5	15927.0	504.566	ug/L	504.566	ug/L	13:38:14
2	Mn 257.610†	68668.1	68651.6	496.556	ug/L	496.556	ug/L	13:38:14

2	Mo 202.031†	3637.7	3566.8	500.971 ug/L	500.971 ug/L	13:38:34
2	Ni 231.604†	5862.2	5523.6	503.934 ug/L	503.934 ug/L	13:38:34
2	Pb 220.353†	811.6	774.7	500.459 ug/L	500.459 ug/L	13:38:34
2	Sb 217.584†	3045.3	3107.0	2504.40 ug/L	2504.40 ug/L	13:38:34
2	Se 196.026†	813.8	852.8	2549.33 ug/L	2549.33 ug/L	13:38:34
2	Si 251.611†	26236.9	25836.3	2487.42 ug/L	2487.42 ug/L	13:38:14
2	Sn 189.927†	4914.5	4933.0	2505.68 ug/L	2505.68 ug/L	13:38:34
2	Tl 190.801†	1886.2	1924.8	2494.23 ug/L	2494.23 ug/L	13:38:34
2	V 292.395†	19214.4	20645.8	499.811 ug/L	499.811 ug/L	13:38:14
2	Zn 206.200†	4252.5	4320.7	502.095 ug/L	502.095 ug/L	13:38:34

Mean Data: 0C02043-CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	189246.5	99.3662	%	0.90273				0.91%
Y 360.076	231280.0	99.3372	%	0.57375				0.58%
Ag 328.068†	30367.4	497.199	ug/L	7.7108	497.199	ug/L	7.7108	1.55%
QC value within limits for Ag 328.068 Recovery = 99.44%								
Al 396.153†	7837.7	2479.59	ug/L	13.491	2479.59	ug/L	13.491	0.54%
QC value within limits for Al 396.153 Recovery = 99.18%								
As 188.979†	1411.9	2507.13	ug/L	19.240	2507.13	ug/L	19.240	0.77%
QC value within limits for As 188.979 Recovery = 100.29%								
B 249.677†	8748.0	492.955	ug/L	7.1895	492.955	ug/L	7.1895	1.46%
QC value within limits for B 249.677 Recovery = 98.59%								
Ba 455.398†	145159.6	499.425	ug/L	2.1729	499.425	ug/L	2.1729	0.44%
QC value within limits for Ba 455.398 Recovery = 99.89%								
Be 234.861†	9469.1	49.9935	ug/L	0.20687	49.9935	ug/L	0.20687	0.41%
QC value within limits for Be 234.861 Recovery = 99.99%								
Ca 315.887†	6859.9	4.95825	mg/L	0.030065	4.95825	mg/L	0.030065	0.61%
QC value within limits for Ca 315.887 Recovery = 99.16%								
Cd 214.437†	11723.4	501.034	ug/L	1.6732	501.034	ug/L	1.6732	0.33%
QC value within limits for Cd 214.437 Recovery = 100.21%								
Ce 413.764†	-15.7	-0.484633	ug/L	0.8581329	-0.484633	ug/L	0.8581329	177.07%
Co 228.616†	3093.2	502.089	ug/L	2.3697	502.089	ug/L	2.3697	0.47%
QC value within limits for Co 228.616 Recovery = 100.42%								
Cr 205.557†	5180.3	502.805	ug/L	0.6064	502.805	ug/L	0.6064	0.12%
QC value within limits for Cr 205.557 Recovery = 100.56%								
Cu 327.397†	16139.8	511.293	ug/L	9.5144	511.293	ug/L	9.5144	1.86%
QC value within limits for Cu 327.397 Recovery = 102.26%								
Fe 238.204†	1051.0	501.007	ug/L	2.8566	501.007	ug/L	2.8566	0.57%
QC value within limits for Fe 238.204 Recovery = 100.20%								
K 766.490	3576.4	4.93734	mg/L	0.014570	4.93734	mg/L	0.014570	0.30%
QC value within limits for K 766.490 Recovery = 98.75%								
Li 670.784†	17576.1	501.763	ug/L	1.5178	501.763	ug/L	1.5178	0.30%
QC value within limits for Li 670.784 Recovery = 100.35%								
Mg 279.071†	2230.1	4.98276	mg/L	0.025450	4.98276	mg/L	0.025450	0.51%
QC value within limits for Mg 279.071 Recovery = 99.66%								
Mn 257.610†	69341.7	501.556	ug/L	7.0708	501.556	ug/L	7.0708	1.41%
QC value within limits for Mn 257.610 Recovery = 100.31%								
Mo 202.031†	3575.1	502.142	ug/L	1.6554	502.142	ug/L	1.6554	0.33%
QC value within limits for Mo 202.031 Recovery = 100.43%								
Na 589.592†	32797.5	4.99995	mg/L	0.019572	4.99995	mg/L	0.019572	0.39%
QC value within limits for Na 589.592 Recovery = 100.00%								
Ni 231.604†	5540.6	505.484	ug/L	2.1923	505.484	ug/L	2.1923	0.43%
QC value within limits for Ni 231.604 Recovery = 101.10%								
Pb 220.353†	776.8	501.808	ug/L	1.9073	501.808	ug/L	1.9073	0.38%
QC value within limits for Pb 220.353 Recovery = 100.36%								
Sb 217.584†	3119.1	2514.17	ug/L	13.806	2514.17	ug/L	13.806	0.55%
QC value within limits for Sb 217.584 Recovery = 100.57%								
Se 196.026†	854.0	2553.00	ug/L	5.194	2553.00	ug/L	5.194	0.20%
QC value within limits for Se 196.026 Recovery = 102.12%								
Si 251.611†	26090.5	2512.20	ug/L	35.049	2512.20	ug/L	35.049	1.40%
QC value within limits for Si 251.611 Recovery = 100.49%								
Sn 189.927†	4946.8	2512.69	ug/L	9.914	2512.69	ug/L	9.914	0.39%
QC value within limits for Sn 189.927 Recovery = 100.51%								
Sr 407.771†	387196.5	499.033	ug/L	2.3773	499.033	ug/L	2.3773	0.48%
QC value within limits for Sr 407.771 Recovery = 99.81%								
Ti 334.940†	7364.3	496.138	ug/L	1.5046	496.138	ug/L	1.5046	0.30%
QC value within limits for Ti 334.940 Recovery = 99.23%								
Tl 190.801†	1938.4	2511.85	ug/L	24.914	2511.85	ug/L	24.914	0.99%

QC value within limits for Tl 190.801 Recovery = 100.47%

V 292.395†	20842.7	504.546 ug/L	6.6965	504.546 ug/L	6.6965	1.33%

QC value within limits for V 292.395 Recovery = 100.91%

Zn 206.200†	4329.6	503.139 ug/L	1.4767	503.139 ug/L	1.4767	0.29%

QC value within limits for Zn 206.200 Recovery = 100.63%

All analyte(s) passed QC.

Sequence No.: 14 **Autosampler Location: 1**
Sample ID: 0C02043-CCB **Date Collected: 3/2/2010 1:39:50 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0C02043-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	187321.6	187321.6	98.3555	%			13:40:55
1	Al 396.153†	190.6	-17.2	-16.0445	ug/L	-16.0445	ug/L	13:40:55
1	Ba 455.398†	-27.1	-27.7	0.139759	ug/L	0.139759	ug/L	13:40:55
1	Ca 315.887†	130.8	-3.3	-0.0154812	mg/L	-0.0154812	mg/L	13:41:15
1	Fe 238.204†	29.8	2.3	0.113790	ug/L	0.113790	ug/L	13:41:15
1	K 766.490	73.2	-6.7	-0.0121187	mg/L	-0.0121187	mg/L	13:40:55
1	Li 670.784†	-51.6	-119.1	-2.95883	ug/L	-2.95883	ug/L	13:40:55
1	Mg 279.071†	19.3	0.1	0.0083019	mg/L	0.0083019	mg/L	13:41:15
1	Na 589.592†	483.6	68.0	0.0031086	mg/L	0.0031086	mg/L	13:40:55
1	Sr 407.771†	192.2	79.9	0.420653	ug/L	0.420653	ug/L	13:40:55
1	Ti 334.940†	-23.9	8.9	2.62459	ug/L	2.62459	ug/L	13:41:15
1	Y 360.076	229933.0	229933.0	98.7587	%			13:41:46
1	Ag 328.068†	6.9	-9.5	0.548806	ug/L	0.548806	ug/L	13:41:46
1	As 188.979†	-20.5	0.6	-10.5288	ug/L	-10.5288	ug/L	13:42:06
1	B 249.677†	358.2	106.3	-0.324178	ug/L	-0.324178	ug/L	13:42:06
1	Be 234.861†	-754.5	-13.2	-0.131683	ug/L	-0.131683	ug/L	13:42:06
1	Cd 214.437†	395.8	7.7	-0.757883	ug/L	-0.757883	ug/L	13:42:06
1	Ce 413.764†	690.1	-45.3	-1.14256	ug/L	-1.14256	ug/L	13:41:46
1	Co 228.616†	-78.5	-1.5	-2.35843	ug/L	-2.35843	ug/L	13:42:06
1	Cr 205.557†	-25.6	3.3	-1.20340	ug/L	-1.20340	ug/L	13:42:06
1	Cu 327.397†	228.6	227.0	7.98951	ug/L	7.98951	ug/L	13:41:46
1	Mn 257.610†	249.1	58.6	-0.370654	ug/L	-0.370654	ug/L	13:42:06
1	Mo 202.031†	74.6	-4.8	-0.859970	ug/L	-0.859970	ug/L	13:42:06
1	Ni 231.604†	343.3	-6.1	-1.23077	ug/L	-1.23077	ug/L	13:42:06
1	Pb 220.353†	37.8	-0.8	-2.45170	ug/L	-2.45170	ug/L	13:42:06
1	Sb 217.584†	-53.9	-0.7	-8.72528	ug/L	-8.72528	ug/L	13:42:06
1	Se 196.026†	-31.7	4.7	-0.514751	ug/L	-0.514751	ug/L	13:42:06
1	Si 251.611†	630.6	170.2	-5.05957	ug/L	-5.05957	ug/L	13:42:06
1	Sn 189.927†	3.3	9.2	-2.97119	ug/L	-2.97119	ug/L	13:42:06
1	Tl 190.801†	-31.3	2.0	4.75738	ug/L	4.75738	ug/L	13:42:06
1	V 292.395†	-1391.4	-27.1	-0.794459	ug/L	-0.794459	ug/L	13:41:46
1	Zn 206.200†	-40.2	16.5	0.0281262	ug/L	0.0281262	ug/L	13:42:06
2	Sc 357.234	187058.6	187058.6	98.2174	%			13:41:20
2	Al 396.153†	183.9	-23.8	-18.1460	ug/L	-18.1460	ug/L	13:41:20
2	Ba 455.398†	-69.0	-70.3	-0.0068448	ug/L	-0.0068448	ug/L	13:41:20
2	Ca 315.887†	126.8	-7.2	-0.0182992	mg/L	-0.0182992	mg/L	13:41:40
2	Fe 238.204†	31.9	4.5	1.16215	ug/L	1.16215	ug/L	13:41:40
2	K 766.490	34.8	-45.0	-0.0651121	mg/L	-0.0651121	mg/L	13:41:20
2	Li 670.784†	-9.0	-75.8	-1.72351	ug/L	-1.72351	ug/L	13:41:20
2	Mg 279.071†	14.2	-5.1	-0.0031993	mg/L	-0.0031993	mg/L	13:41:40
2	Na 589.592†	511.8	97.4	0.0075955	mg/L	0.0075955	mg/L	13:41:20
2	Sr 407.771†	169.3	56.8	0.390950	ug/L	0.390950	ug/L	13:41:20
2	Ti 334.940†	-38.6	-6.1	1.61593	ug/L	1.61593	ug/L	13:41:40
2	Y 360.076	229173.8	229173.8	98.4326	%			13:42:12
2	Ag 328.068†	13.0	-3.3	0.657396	ug/L	0.657396	ug/L	13:42:12
2	As 188.979†	-17.1	3.9	-4.55506	ug/L	-4.55506	ug/L	13:42:32
2	B 249.677†	351.0	100.2	-0.676535	ug/L	-0.676535	ug/L	13:42:32
2	Be 234.861†	-762.2	-23.5	-0.186769	ug/L	-0.186769	ug/L	13:42:32
2	Cd 214.437†	394.8	8.0	-0.746128	ug/L	-0.746128	ug/L	13:42:32
2	Ce 413.764†	750.1	17.9	0.450435	ug/L	0.450435	ug/L	13:42:12
2	Co 228.616†	-75.5	1.2	-1.91050	ug/L	-1.91050	ug/L	13:42:32
2	Cr 205.557†	-32.7	-4.0	-1.91488	ug/L	-1.91488	ug/L	13:42:32
2	Cu 327.397†	233.1	232.4	8.15921	ug/L	8.15921	ug/L	13:42:12

2	Mn 257.610†	251.0	61.4	-0.350567 ug/L	-0.350567 ug/L	13:42:32
2	Mo 202.031†	76.9	-2.1	-0.488986 ug/L	-0.488986 ug/L	13:42:32
2	Ni 231.604†	345.3	-2.8	-0.935756 ug/L	-0.935756 ug/L	13:42:32
2	Pb 220.353†	29.5	-9.0	-7.80498 ug/L	-7.80498 ug/L	13:42:32
2	Sb 217.584†	-43.3	9.9	-0.125174 ug/L	-0.125174 ug/L	13:42:32
2	Se 196.026†	-26.5	9.9	15.0402 ug/L	15.0402 ug/L	13:42:32
2	Si 251.611†	607.1	148.5	-7.15395 ug/L	-7.15395 ug/L	13:42:32
2	Sn 189.927†	5.0	10.9	-2.06152 ug/L	-2.06152 ug/L	13:42:32
2	Tl 190.801†	-35.8	-2.7	-1.25929 ug/L	-1.25929 ug/L	13:42:32
2	V 292.395†	-1344.6	15.9	0.239122 ug/L	0.239122 ug/L	13:42:12
2	Zn 206.200†	-48.5	8.0	-0.962921 ug/L	-0.962921 ug/L	13:42:32

Mean Data: 0C02043-CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	187190.1	98.2864	%	0.09764				0.10%
Y 360.076	229553.4	98.5956	%	0.23055				0.23%
Ag 328.068†	-6.4	0.603101	ug/L	0.0767845	0.603101	ug/L	0.0767845	12.73%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-20.5	-17.0953	ug/L	1.48595	-17.0953	ug/L	1.48595	8.69%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	2.2	-7.54191	ug/L	4.224037	-7.54191	ug/L	4.224037	56.01%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	103.3	-0.500356	ug/L	0.2491541	-0.500356	ug/L	0.2491541	49.80%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	-49.0	0.0664569	ug/L	0.10366434	0.0664569	ug/L	0.10366434	155.99%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	-18.4	-0.159226	ug/L	0.0389519	-0.159226	ug/L	0.0389519	24.46%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	-5.3	-0.0168902	mg/L	0.00199258	-0.0168902	mg/L	0.00199258	11.80%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	7.8	-0.752006	ug/L	0.0083120	-0.752006	ug/L	0.0083120	1.11%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	-13.7	-0.346062	ug/L	1.1264166	-0.346062	ug/L	1.1264166	325.50%
Co 228.616†	-0.1	-2.13446	ug/L	0.316736	-2.13446	ug/L	0.316736	14.84%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	-0.4	-1.55914	ug/L	0.503087	-1.55914	ug/L	0.503087	32.27%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	229.7	8.07436	ug/L	0.120000	8.07436	ug/L	0.120000	1.49%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	3.4	0.637968	ug/L	0.7412997	0.637968	ug/L	0.7412997	116.20%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	-25.8	-0.0386154	mg/L	0.03747195	-0.0386154	mg/L	0.03747195	97.04%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	-97.4	-2.34117	ug/L	0.873502	-2.34117	ug/L	0.873502	37.31%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	-2.5	0.0025513	mg/L	0.00813256	0.0025513	mg/L	0.00813256	318.76%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	60.0	-0.360610	ug/L	0.0142036	-0.360610	ug/L	0.0142036	3.94%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-3.4	-0.674478	ug/L	0.2623253	-0.674478	ug/L	0.2623253	38.89%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	82.7	0.0053520	mg/L	0.00317273	0.0053520	mg/L	0.00317273	59.28%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-4.5	-1.08326	ug/L	0.208606	-1.08326	ug/L	0.208606	19.26%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-4.9	-5.12834	ug/L	3.785339	-5.12834	ug/L	3.785339	73.81%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	4.6	-4.42523	ug/L	6.081192	-4.42523	ug/L	6.081192	137.42%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	7.3	7.26274	ug/L	10.999037	7.26274	ug/L	10.999037	151.44%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	159.4	-6.10676	ug/L	1.480951	-6.10676	ug/L	1.480951	24.25%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	10.1	-2.51636	ug/L	0.643234	-2.51636	ug/L	0.643234	25.56%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	68.4	0.405801	ug/L	0.0210028	0.405801	ug/L	0.0210028	5.18%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	1.4	2.12026	ug/L	0.713228	2.12026	ug/L	0.713228	33.64%
QC value within limits for Ti 334.940 Recovery = Not calculated								

Tl 190.801† -0.4 1.74905 ug/L 4.254432 1.74905 ug/L 4.254432 243.24%
QC value within limits for Tl 190.801 Recovery = Not calculated
V 292.395† -5.6 -0.277669 ug/L 0.7308526 -0.277669 ug/L 0.7308526 263.21%
QC value within limits for V 292.395 Recovery = Not calculated
Zn 206.200† 12.2 -0.467398 ug/L 0.7007764 -0.467398 ug/L 0.7007764 149.93%
QC value within limits for Zn 206.200 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 15 **Autosampler Location: 17**
Sample ID: 1001566-blk1 **Date Collected: 3/2/2010 1:43:47 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1001566-blk1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	199966.9	199966.9	104.995	%			13:44:52
1	Al 396.153†	204.2	-16.6	-15.8275	ug/L	-15.8275	ug/L	13:44:52
1	Ba 455.398†	782.0	744.7	2.79591	ug/L	2.79591	ug/L	13:44:52
1	Ca 315.887†	326.1	174.3	0.113236	mg/L	0.113236	mg/L	13:45:12
1	Fe 238.204†	43.7	13.6	5.52945	ug/L	5.52945	ug/L	13:45:12
1	K 766.490	168.4	88.6	0.119418	mg/L	0.119418	mg/L	13:44:52
1	Li 670.784†	85.4	14.7	0.856931	ug/L	0.856931	ug/L	13:44:52
1	Mg 279.071†	37.4	16.1	0.0439920	mg/L	0.0439920	mg/L	13:45:12
1	Na 589.592†	31074.5	29172.5	4.44652	mg/L	4.44652	mg/L	13:44:52
1	Sr 407.771†	247.2	119.8	0.472096	ug/L	0.472096	ug/L	13:44:52
1	Ti 334.940†	-20.1	14.0	2.96611	ug/L	2.96611	ug/L	13:45:12
1	Y 360.076	237251.4	237251.4	101.902	%			13:45:44
1	Ag 328.068†	-5.3	-21.6	0.355092	ug/L	0.355092	ug/L	13:45:44
1	As 188.979†	-24.2	-2.5	-16.0384	ug/L	-16.0384	ug/L	13:46:04
1	B 249.677†	9120.9	8694.3	491.220	ug/L	491.220	ug/L	13:45:44
1	Be 234.861†	-756.5	8.4	-0.0189057	ug/L	-0.0189057	ug/L	13:46:04
1	Cd 214.437†	390.5	-9.9	-1.51262	ug/L	-1.51262	ug/L	13:46:04
1	Ce 413.764†	737.6	-20.3	-0.511264	ug/L	-0.511264	ug/L	13:45:44
1	Co 228.616†	-69.1	10.1	-0.460606	ug/L	-0.460606	ug/L	13:46:04
1	Cr 205.557†	-8.5	20.9	0.511049	ug/L	0.511049	ug/L	13:46:04
1	Cu 327.397†	237.3	228.4	8.03529	ug/L	8.03529	ug/L	13:45:44
1	Mn 257.610†	293.0	94.0	-0.114253	ug/L	-0.114253	ug/L	13:46:04
1	Mo 202.031†	82.7	0.8	-0.0750947	ug/L	-0.0750947	ug/L	13:46:04
1	Ni 231.604†	354.0	-6.3	-1.25166	ug/L	-1.25166	ug/L	13:46:04
1	Pb 220.353†	32.1	-7.5	-6.83103	ug/L	-6.83103	ug/L	13:46:04
1	Sb 217.584†	-47.4	7.4	-2.16956	ug/L	-2.16956	ug/L	13:46:04
1	Se 196.026†	-30.8	6.7	5.33968	ug/L	5.33968	ug/L	13:46:04
1	Si 251.611†	5037.1	4474.8	415.103	ug/L	415.103	ug/L	13:45:44
1	Sn 189.927†	-2.8	3.1	-6.02138	ug/L	-6.02138	ug/L	13:46:04
1	Tl 190.801†	-37.5	-3.1	-1.84441	ug/L	-1.84441	ug/L	13:46:04
1	V 292.395†	-1393.1	14.7	0.214105	ug/L	0.214105	ug/L	13:45:44
1	Zn 206.200†	44.0	100.4	9.81573	ug/L	9.81573	ug/L	13:46:04
2	Sc 357.234	197022.4	197022.4	103.449	%			13:45:17
2	Al 396.153†	183.9	-33.3	-21.1305	ug/L	-21.1305	ug/L	13:45:17
2	Ba 455.398†	757.0	731.7	2.75098	ug/L	2.75098	ug/L	13:45:17
2	Ca 315.887†	328.0	180.7	0.117923	mg/L	0.117923	mg/L	13:45:37
2	Fe 238.204†	44.6	15.1	6.22191	ug/L	6.22191	ug/L	13:45:37
2	K 766.490	162.5	82.7	0.111289	mg/L	0.111289	mg/L	13:45:17
2	Li 670.784†	103.1	33.0	1.37837	ug/L	1.37837	ug/L	13:45:17
2	Mg 279.071†	37.9	17.1	0.0462727	mg/L	0.0462727	mg/L	13:45:37
2	Na 589.592†	31252.2	29786.6	4.54028	mg/L	4.54028	mg/L	13:45:17
2	Sr 407.771†	204.0	81.6	0.422858	ug/L	0.422858	ug/L	13:45:17
2	Ti 334.940†	-38.1	-3.7	1.78217	ug/L	1.78217	ug/L	13:45:37
2	Y 360.076	239572.3	239572.3	102.899	%			13:46:09
2	Ag 328.068†	31.3	14.0	0.941202	ug/L	0.941202	ug/L	13:46:09
2	As 188.979†	-22.0	-0.1	-11.7346	ug/L	-11.7346	ug/L	13:46:29
2	B 249.677†	9229.5	8713.1	492.302	ug/L	492.302	ug/L	13:46:09
2	Be 234.861†	-748.7	23.2	0.0592569	ug/L	0.0592569	ug/L	13:46:29
2	Cd 214.437†	392.7	-11.4	-1.57783	ug/L	-1.57783	ug/L	13:46:29
2	Ce 413.764†	777.2	11.2	0.281717	ug/L	0.281717	ug/L	13:46:09
2	Co 228.616†	-78.5	1.7	-1.83229	ug/L	-1.83229	ug/L	13:46:29
2	Cr 205.557†	-16.1	13.6	-0.198258	ug/L	-0.198258	ug/L	13:46:29

2	Cu 327.397†	231.8	220.7	7.79251	ug/L	7.79251 ug/L	13:46:09
2	Mn 257.610†	307.7	105.5	-0.0309446	ug/L	-0.0309446 ug/L	13:46:29
2	Mo 202.031†	79.1	-3.5	-0.676820	ug/L	-0.676820 ug/L	13:46:29
2	Ni 231.604†	343.2	-20.2	-2.52088	ug/L	-2.52088 ug/L	13:46:29
2	Pb 220.353†	33.6	-6.4	-6.10856	ug/L	-6.10856 ug/L	13:46:29
2	Sb 217.584†	-55.6	-0.1	-8.23716	ug/L	-8.23716 ug/L	13:46:29
2	Se 196.026†	-29.8	7.9	9.01668	ug/L	9.01668 ug/L	13:46:29
2	Si 251.611†	5055.2	4444.5	412.174	ug/L	412.174 ug/L	13:46:09
2	Sn 189.927†	1.1	6.9	-4.10043	ug/L	-4.10043 ug/L	13:46:29
2	Tl 190.801†	-36.5	-1.8	-0.161910	ug/L	-0.161910 ug/L	13:46:29
2	V 292.395†	-1396.8	24.4	0.439849	ug/L	0.439849 ug/L	13:46:09
2	Zn 206.200†	49.1	104.9	10.3447	ug/L	10.3447 ug/L	13:46:29

Mean Data: 1001566-blk1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	198494.6	104.222	%	1.0932				1.05%
Y 360.076	238411.8	102.400	%	0.7049				0.69%
Ag 328.068†	-3.8	0.648147	ug/L	0.4144420	0.648147	ug/L	0.4144420	63.94%
Al 396.153†	-24.9	-18.4790	ug/L	3.74979	-18.4790	ug/L	3.74979	20.29%
As 188.979†	-1.3	-13.8865	ug/L	3.04325	-13.8865	ug/L	3.04325	21.92%
B 249.677†	8703.7	491.761	ug/L	0.7651	491.761	ug/L	0.7651	0.16%
Ba 455.398†	738.2	2.77344	ug/L	0.031767	2.77344	ug/L	0.031767	1.15%
Be 234.861†	15.8	0.0201756	ug/L	0.05526933	0.0201756	ug/L	0.05526933	273.94%
Ca 315.887†	177.5	0.115580	mg/L	0.0033138	0.115580	mg/L	0.0033138	2.87%
Cd 214.437†	-10.7	-1.54522	ug/L	0.046111	-1.54522	ug/L	0.046111	2.98%
Ce 413.764†	-4.5	-0.114774	ug/L	0.5607224	-0.114774	ug/L	0.5607224	488.55%
Co 228.616†	5.9	-1.14645	ug/L	0.969927	-1.14645	ug/L	0.969927	84.60%
Cr 205.557†	17.2	0.156396	ug/L	0.5015554	0.156396	ug/L	0.5015554	320.70%
Cu 327.397†	224.6	7.91390	ug/L	0.171672	7.91390	ug/L	0.171672	2.17%
Fe 238.204†	14.4	5.87568	ug/L	0.489645	5.87568	ug/L	0.489645	8.33%
K 766.490	85.6	0.115353	mg/L	0.0057481	0.115353	mg/L	0.0057481	4.98%
Li 670.784†	23.9	1.11765	ug/L	0.368710	1.11765	ug/L	0.368710	32.99%
Mg 279.071†	16.6	0.0451324	mg/L	0.00161273	0.0451324	mg/L	0.00161273	3.57%
Mn 257.610†	99.7	-0.0725989	ug/L	0.05890806	-0.0725989	ug/L	0.05890806	81.14%
Mo 202.031†	-1.3	-0.375957	ug/L	0.4254838	-0.375957	ug/L	0.4254838	113.17%
Na 589.592†	29479.6	4.49340	mg/L	0.066300	4.49340	mg/L	0.066300	1.48%
Ni 231.604†	-13.2	-1.88627	ug/L	0.897473	-1.88627	ug/L	0.897473	47.58%
Pb 220.353†	-7.0	-6.46980	ug/L	0.510868	-6.46980	ug/L	0.510868	7.90%
Sb 217.584†	3.6	-5.20336	ug/L	4.290443	-5.20336	ug/L	4.290443	82.46%
Se 196.026†	7.3	7.17818	ug/L	2.600030	7.17818	ug/L	2.600030	36.22%
Si 251.611†	4459.7	413.639	ug/L	2.0705	413.639	ug/L	2.0705	0.50%
Sn 189.927†	5.0	-5.06091	ug/L	1.358317	-5.06091	ug/L	1.358317	26.84%
Sr 407.771†	100.7	0.447477	ug/L	0.0348162	0.447477	ug/L	0.0348162	7.78%
Ti 334.940†	5.2	2.37414	ug/L	0.837168	2.37414	ug/L	0.837168	35.26%
Tl 190.801†	-2.5	-1.00316	ug/L	1.189704	-1.00316	ug/L	1.189704	118.60%
V 292.395†	19.6	0.326977	ug/L	0.1596257	0.326977	ug/L	0.1596257	48.82%
Zn 206.200†	102.6	10.0802	ug/L	0.37402	10.0802	ug/L	0.37402	3.71%

Sequence No.: 16
Sample ID: 1001566-bs1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 3/2/2010 1:47:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001566-bs1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	200151.3	200151.3	105.092	%			13:48:46
1	Al 396.153†	4027.5	3621.3	1141.87	ug/L	1141.87	ug/L	13:49:06
1	Ba 455.398†	72079.6	68587.1	236.100	ug/L	236.100	ug/L	13:48:46
1	Ca 315.887†	16997.8	16037.9	11.6095	mg/L	11.6095	mg/L	13:48:46
1	Fe 238.204†	556.1	501.1	237.852	ug/L	237.852	ug/L	13:49:06
1	K 766.490	9004.0	8924.1	12.3244	mg/L	12.3244	mg/L	13:48:46
1	Li 670.784†	8736.2	8246.3	235.649	ug/L	235.649	ug/L	13:48:46
1	Mg 279.071†	5549.7	5261.3	11.7443	mg/L	11.7443	mg/L	13:49:06
1	Na 589.592†	112698.1	106814.1	16.3001	mg/L	16.3001	mg/L	13:48:46
1	Sr 407.771†	191468.7	182076.2	234.835	ug/L	234.835	ug/L	13:48:46

1	Ti 334.940†	3601.5	3460.2	234.194 ug/L	234.194 ug/L	13:49:06
1	Y 360.076	237917.4	237917.4	102.188 %		13:49:38
1	Ag 328.068†	14749.3	14417.0	236.525 ug/L	236.525 ug/L	13:49:38
1	As 188.979†	680.3	687.0	1214.01 ug/L	1214.01 ug/L	13:49:58
1	B 249.677†	13775.5	13224.1	749.856 ug/L	749.856 ug/L	13:49:38
1	Be 234.861†	3865.4	4533.4	23.9034 ug/L	23.9034 ug/L	13:49:58
1	Cd 214.437†	6095.6	5572.1	237.569 ug/L	237.569 ug/L	13:49:58
1	Ce 413.764†	748.5	-11.6	-0.334523 ug/L	-0.334523 ug/L	13:49:38
1	Co 228.616†	1437.2	1484.4	239.867 ug/L	239.867 ug/L	13:49:58
1	Cr 205.557†	2518.8	2494.2	241.295 ug/L	241.295 ug/L	13:49:58
1	Cu 327.397†	7999.4	7823.6	248.260 ug/L	248.260 ug/L	13:49:38
1	Mn 257.610†	34221.5	33295.2	240.414 ug/L	240.414 ug/L	13:49:38
1	Mo 202.031†	1861.0	1740.9	244.420 ug/L	244.420 ug/L	13:49:58
1	Ni 231.604†	3057.2	2638.1	240.330 ug/L	240.330 ug/L	13:49:58
1	Pb 220.353†	421.8	373.8	240.451 ug/L	240.451 ug/L	13:49:58
1	Sb 217.584†	1486.2	1508.3	1211.54 ug/L	1211.54 ug/L	13:49:58
1	Se 196.026†	367.4	396.4	1177.04 ug/L	1177.04 ug/L	13:49:58
1	Si 251.611†	17526.0	16682.5	1600.69 ug/L	1600.69 ug/L	13:49:38
1	Sn 189.927†	2378.2	2333.2	1183.12 ug/L	1183.12 ug/L	13:49:58
1	Tl 190.801†	910.5	924.6	1199.31 ug/L	1199.31 ug/L	13:49:58
1	V 292.395†	8869.1	10061.0	243.506 ug/L	243.506 ug/L	13:49:38
1	Zn 206.200†	2148.4	2159.6	249.775 ug/L	249.775 ug/L	13:49:58
2	Sc 357.234	196760.2	196760.2	103.311 %		13:49:11
2	Al 396.153†	4028.1	3687.9	1163.13 ug/L	1163.13 ug/L	13:49:32
2	Ba 455.398†	72427.5	70106.0	241.323 ug/L	241.323 ug/L	13:49:11
2	Ca 315.887†	17089.7	16405.6	11.8760 mg/L	11.8760 mg/L	13:49:11
2	Fe 238.204†	554.2	508.5	241.361 ug/L	241.361 ug/L	13:49:32
2	K 766.490	9030.8	8951.0	12.3615 mg/L	12.3615 mg/L	13:49:11
2	Li 670.784†	8737.7	8391.0	239.775 ug/L	239.775 ug/L	13:49:11
2	Mg 279.071†	5584.5	5385.9	12.0223 mg/L	12.0223 mg/L	13:49:32
2	Na 589.592†	113173.0	109122.0	16.6525 mg/L	16.6525 mg/L	13:49:11
2	Sr 407.771†	192314.4	186034.9	239.934 ug/L	239.934 ug/L	13:49:11
2	Ti 334.940†	3603.7	3521.4	238.296 ug/L	238.296 ug/L	13:49:32
2	Y 360.076	236581.9	236581.9	101.614 %		13:50:03
2	Ag 328.068†	14544.4	14296.8	234.562 ug/L	234.562 ug/L	13:50:03
2	As 188.979†	665.9	676.6	1195.51 ug/L	1195.51 ug/L	13:50:23
2	B 249.677†	13674.8	13201.1	748.535 ug/L	748.535 ug/L	13:50:03
2	Be 234.861†	3835.3	4525.1	23.8581 ug/L	23.8581 ug/L	13:50:23
2	Cd 214.437†	6086.7	5596.9	238.633 ug/L	238.633 ug/L	13:50:23
2	Ce 413.764†	728.0	-27.7	-0.740173 ug/L	-0.740173 ug/L	13:50:03
2	Co 228.616†	1434.2	1489.4	240.672 ug/L	240.672 ug/L	13:50:23
2	Cr 205.557†	2531.3	2520.3	243.844 ug/L	243.844 ug/L	13:50:23
2	Cu 327.397†	7927.0	7796.5	247.406 ug/L	247.406 ug/L	13:50:03
2	Mn 257.610†	33820.7	33089.8	238.926 ug/L	238.926 ug/L	13:50:03
2	Mo 202.031†	1868.5	1758.5	246.900 ug/L	246.900 ug/L	13:50:23
2	Ni 231.604†	3051.8	2649.6	241.387 ug/L	241.387 ug/L	13:50:23
2	Pb 220.353†	406.4	360.9	232.098 ug/L	232.098 ug/L	13:50:23
2	Sb 217.584†	1482.0	1512.3	1214.80 ug/L	1214.80 ug/L	13:50:23
2	Se 196.026†	379.9	410.7	1220.08 ug/L	1220.08 ug/L	13:50:23
2	Si 251.611†	17352.2	16608.2	1593.33 ug/L	1593.33 ug/L	13:50:03
2	Sn 189.927†	2380.4	2348.4	1190.93 ug/L	1190.93 ug/L	13:50:23
2	Tl 190.801†	917.3	936.4	1214.51 ug/L	1214.51 ug/L	13:50:23
2	V 292.395†	8747.6	9990.4	241.836 ug/L	241.836 ug/L	13:50:03
2	Zn 206.200†	2167.5	2190.2	253.338 ug/L	253.338 ug/L	13:50:23

Mean Data: 1001566-bs1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	198455.7	104.202	%	1.2590				1.21%
Y 360.076	237249.6	101.901	%	0.4056				0.40%
Ag 328.068†	14356.9	235.543	ug/L	1.3880	235.543	ug/L	1.3880	0.59%
Al 396.153†	3654.6	1152.50	ug/L	15.027	1152.50	ug/L	15.027	1.30%
As 188.979†	681.8	1204.76	ug/L	13.085	1204.76	ug/L	13.085	1.09%
B 249.677†	13212.6	749.196	ug/L	0.9340	749.196	ug/L	0.9340	0.12%
Ba 455.398†	69346.6	238.711	ug/L	3.6935	238.711	ug/L	3.6935	1.55%
Be 234.861†	4529.3	23.8807	ug/L	0.03205	23.8807	ug/L	0.03205	0.13%
Ca 315.887†	16221.8	11.7428	mg/L	0.18840	11.7428	mg/L	0.18840	1.60%
Cd 214.437†	5584.5	238.101	ug/L	0.7525	238.101	ug/L	0.7525	0.32%
Ce 413.764†	-19.6	-0.537348	ug/L	0.2868376	-0.537348	ug/L	0.2868376	53.38%
Co 228.616†	1486.9	240.270	ug/L	0.5698	240.270	ug/L	0.5698	0.24%

Cr 205.557†	2507.2	242.569 ug/L	1.8022	242.569 ug/L	1.8022	0.74%
Cu 327.397†	7810.0	247.833 ug/L	0.6037	247.833 ug/L	0.6037	0.24%
Fe 238.204†	504.8	239.606 ug/L	2.4813	239.606 ug/L	2.4813	1.04%
K 766.490	8937.6	12.3430 mg/L	0.02627	12.3430 mg/L	0.02627	0.21%
Li 670.784†	8318.7	237.712 ug/L	2.9177	237.712 ug/L	2.9177	1.23%
Mg 279.071†	5323.6	11.8833 mg/L	0.19655	11.8833 mg/L	0.19655	1.65%
Mn 257.610†	33192.5	239.670 ug/L	1.0520	239.670 ug/L	1.0520	0.44%
Mo 202.031†	1749.7	245.660 ug/L	1.7533	245.660 ug/L	1.7533	0.71%
Na 589.592†	107968.0	16.4763 mg/L	0.24915	16.4763 mg/L	0.24915	1.51%
Ni 231.604†	2643.8	240.859 ug/L	0.7471	240.859 ug/L	0.7471	0.31%
Pb 220.353†	367.3	236.274 ug/L	5.9062	236.274 ug/L	5.9062	2.50%
Sb 217.584†	1510.3	1213.17 ug/L	2.309	1213.17 ug/L	2.309	0.19%
Se 196.026†	403.5	1198.56 ug/L	30.438	1198.56 ug/L	30.438	2.54%
Si 251.611†	16645.4	1597.01 ug/L	5.204	1597.01 ug/L	5.204	0.33%
Sn 189.927†	2340.8	1187.03 ug/L	5.524	1187.03 ug/L	5.524	0.47%
Sr 407.771†	184055.6	237.384 ug/L	3.6054	237.384 ug/L	3.6054	1.52%
Ti 334.940†	3490.8	236.245 ug/L	2.9006	236.245 ug/L	2.9006	1.23%
Tl 190.801†	930.5	1206.91 ug/L	10.746	1206.91 ug/L	10.746	0.89%
V 292.395†	10025.7	242.671 ug/L	1.1808	242.671 ug/L	1.1808	0.49%
Zn 206.200†	2174.9	251.557 ug/L	2.5192	251.557 ug/L	2.5192	1.00%

Sequence No.: 17
Sample ID: 1002144-05
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 3/2/2010 1:51:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002144-05

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	194788.0	194788.0	102.276	%			13:52:44
1	Al 396.153†	352.3	133.5	32.3283	ug/L	32.3283	ug/L	13:52:44
1	Ba 455.398†	1964.4	1920.6	6.83961	ug/L	6.83961	ug/L	13:52:44
1	Ca 315.887†	2382.3	2193.0	1.57618	mg/L	1.57618	mg/L	13:53:04
1	Fe 238.204†	189.6	157.4	74.2137	ug/L	74.2137	ug/L	13:53:04
1	K 766.490	186.6	106.8	0.144565	mg/L	0.144565	mg/L	13:52:44
1	Li 670.784†	40.4	-27.1	-0.335389	ug/L	-0.335389	ug/L	13:52:44
1	Mg 279.071†	678.6	643.9	1.44444	mg/L	1.44444	mg/L	13:53:04
1	Na 589.592†	25721.6	24725.7	3.76762	mg/L	3.76762	mg/L	13:52:44
1	Sr 407.771†	6453.2	6194.0	8.29574	ug/L	8.29574	ug/L	13:52:44
1	Ti 334.940†	-25.0	8.7	2.61024	ug/L	2.61024	ug/L	13:53:04
1	Y 360.076	237878.0	237878.0	102.171	%			13:53:35
1	Ag 328.068†	24.4	7.4	0.854673	ug/L	0.854673	ug/L	13:53:35
1	As 188.979†	-19.0	2.7	-6.74159	ug/L	-6.74159	ug/L	13:53:55
1	B 249.677†	6350.2	5958.9	334.665	ug/L	334.665	ug/L	13:53:35
1	Be 234.861†	-746.5	20.1	0.0197460	ug/L	0.0197460	ug/L	13:53:55
1	Cd 214.437†	396.6	-4.9	-1.31529	ug/L	-1.31529	ug/L	13:53:55
1	Ce 413.764†	727.3	-32.3	-0.813539	ug/L	-0.813539	ug/L	13:53:35
1	Co 228.616†	-81.2	-1.5	-2.35857	ug/L	-2.35857	ug/L	13:53:55
1	Cr 205.557†	-22.5	7.2	-0.814101	ug/L	-0.814101	ug/L	13:53:55
1	Cu 327.397†	192.3	183.7	6.62400	ug/L	6.62400	ug/L	13:53:35
1	Mn 257.610†	347.1	146.2	0.266268	ug/L	0.266268	ug/L	13:53:55
1	Mo 202.031†	87.4	5.3	0.546826	ug/L	0.546826	ug/L	13:53:55
1	Ni 231.604†	353.1	-8.0	-1.40764	ug/L	-1.40764	ug/L	13:53:55
1	Pb 220.353†	38.5	-1.3	-2.80088	ug/L	-2.80088	ug/L	13:53:55
1	Sb 217.584†	-37.7	17.0	5.81512	ug/L	5.81512	ug/L	13:53:55
1	Se 196.026†	-22.4	15.0	30.3885	ug/L	30.3885	ug/L	13:53:55
1	Si 251.611†	8147.1	7505.7	710.970	ug/L	710.970	ug/L	13:53:35
1	Sn 189.927†	-3.3	2.6	-5.97152	ug/L	-5.97152	ug/L	13:53:55
1	Tl 190.801†	-36.1	-1.6	0.0816621	ug/L	0.0816621	ug/L	13:53:55
1	V 292.395†	-1337.0	73.2	1.61197	ug/L	1.61197	ug/L	13:53:35
1	Zn 206.200†	28.2	84.8	7.95562	ug/L	7.95562	ug/L	13:53:55
2	Sc 357.234	195608.9	195608.9	102.707	%			13:53:09
2	Al 396.153†	315.3	95.9	20.3841	ug/L	20.3841	ug/L	13:53:09
2	Ba 455.398†	1955.0	1903.4	6.78033	ug/L	6.78033	ug/L	13:53:09
2	Ca 315.887†	2400.3	2200.7	1.58179	mg/L	1.58179	mg/L	13:53:29
2	Fe 238.204†	183.5	150.6	70.9636	ug/L	70.9636	ug/L	13:53:29
2	K 766.490	176.1	96.3	0.130088	mg/L	0.130088	mg/L	13:53:09
2	Li 670.784†	65.4	-2.9	0.354266	ug/L	0.354266	ug/L	13:53:09

2	Mg 279.071†	693.7	655.8	1.47098 mg/L	1.47098 mg/L	13:53:29
2	Na 589.592†	26109.4	24997.6	3.80914 mg/L	3.80914 mg/L	13:53:09
2	Sr 407.771†	6590.1	6300.8	8.43335 ug/L	8.43335 ug/L	13:53:09
2	Ti 334.940†	-19.4	14.3	2.98754 ug/L	2.98754 ug/L	13:53:29
2	Y 360.076	237616.3	237616.3	102.059 %		13:54:00
2	Ag 328.068†	40.0	22.7	1.10940 ug/L	1.10940 ug/L	13:54:00
2	As 188.979†	-17.9	3.8	-4.79409 ug/L	-4.79409 ug/L	13:54:20
2	B 249.677†	6366.3	5981.4	335.954 ug/L	335.954 ug/L	13:54:00
2	Be 234.861†	-755.4	10.6	-0.0296137 ug/L	-0.0296137 ug/L	13:54:20
2	Cd 214.437†	395.6	-5.5	-1.33765 ug/L	-1.33765 ug/L	13:54:20
2	Ce 413.764†	772.1	12.4	0.311770 ug/L	0.311770 ug/L	13:54:00
2	Co 228.616†	-74.1	5.4	-1.23568 ug/L	-1.23568 ug/L	13:54:20
2	Cr 205.557†	-15.2	14.4	-0.117568 ug/L	-0.117568 ug/L	13:54:20
2	Cu 327.397†	170.1	162.2	5.94274 ug/L	5.94274 ug/L	13:54:00
2	Mn 257.610†	355.1	154.4	0.325534 ug/L	0.325534 ug/L	13:54:20
2	Mo 202.031†	78.3	-3.6	-0.698008 ug/L	-0.698008 ug/L	13:54:20
2	Ni 231.604†	354.1	-6.8	-1.29503 ug/L	-1.29503 ug/L	13:54:20
2	Pb 220.353†	43.0	3.0	0.0511526 ug/L	0.0511526 ug/L	13:54:20
2	Sb 217.584†	-45.3	9.5	-0.259258 ug/L	-0.259258 ug/L	13:54:20
2	Se 196.026†	-27.4	10.0	15.4720 ug/L	15.4720 ug/L	13:54:20
2	Si 251.611†	8108.2	7476.4	708.097 ug/L	708.097 ug/L	13:54:00
2	Sn 189.927†	-9.9	-3.8	-9.24793 ug/L	-9.24793 ug/L	13:54:20
2	Tl 190.801†	-38.0	-3.6	-2.38857 ug/L	-2.38857 ug/L	13:54:20
2	V 292.395†	-1373.7	35.8	0.701926 ug/L	0.701926 ug/L	13:54:00
2	Zn 206.200†	35.1	91.6	8.75083 ug/L	8.75083 ug/L	13:54:20

Mean Data: 1002144-05

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 357.234	195198.4	102.491	%	0.3048				0.30%
Y 360.076	237747.2	102.115	%	0.0795				0.08%
Ag 328.068†	15.1	0.982039	ug/L	0.1801224	0.982039	ug/L	0.1801224	18.34%
Al 396.153†	114.7	26.3562	ug/L	8.44583	26.3562	ug/L	8.44583	32.04%
As 188.979†	3.2	-5.76784	ug/L	1.377092	-5.76784	ug/L	1.377092	23.88%
B 249.677†	5970.2	335.310	ug/L	0.9115	335.310	ug/L	0.9115	0.27%
Ba 455.398†	1912.0	6.80997	ug/L	0.041917	6.80997	ug/L	0.041917	0.62%
Be 234.861†	15.3	-0.0049339	ug/L	0.03490258	-0.0049339	ug/L	0.03490258	707.41%
Ca 315.887†	2196.8	1.57899	mg/L	0.003974	1.57899	mg/L	0.003974	0.25%
Cd 214.437†	-5.2	-1.32647	ug/L	0.015814	-1.32647	ug/L	0.015814	1.19%
Ce 413.764†	-9.9	-0.250885	ug/L	0.7957139	-0.250885	ug/L	0.7957139	317.16%
Co 228.616†	2.0	-1.79712	ug/L	0.794006	-1.79712	ug/L	0.794006	44.18%
Cr 205.557†	10.8	-0.465834	ug/L	0.4925230	-0.465834	ug/L	0.4925230	105.73%
Cu 327.397†	173.0	6.28337	ug/L	0.481721	6.28337	ug/L	0.481721	7.67%
Fe 238.204†	154.0	72.5886	ug/L	2.29815	72.5886	ug/L	2.29815	3.17%
K 766.490	101.5	0.137327	mg/L	0.0102367	0.137327	mg/L	0.0102367	7.45%
Li 670.784†	-15.0	0.0094382	ug/L	0.48765997	0.0094382	ug/L	0.48765997	>999.9%
Mg 279.071†	649.8	1.45771	mg/L	0.018769	1.45771	mg/L	0.018769	1.29%
Mn 257.610†	150.3	0.295901	ug/L	0.0419075	0.295901	ug/L	0.0419075	14.16%
Mo 202.031†	0.8	-0.0755909	ug/L	0.88023085	-0.0755909	ug/L	0.88023085	>999.9%
Na 589.592†	24861.7	3.78838	mg/L	0.029361	3.78838	mg/L	0.029361	0.78%
Ni 231.604†	-7.4	-1.35134	ug/L	0.079631	-1.35134	ug/L	0.079631	5.89%
Pb 220.353†	0.8	-1.37486	ug/L	2.016691	-1.37486	ug/L	2.016691	146.68%
Sb 217.584†	13.3	2.77793	ug/L	4.295236	2.77793	ug/L	4.295236	154.62%
Se 196.026†	12.5	22.9302	ug/L	10.54757	22.9302	ug/L	10.54757	46.00%
Si 251.611†	7491.0	709.533	ug/L	2.0309	709.533	ug/L	2.0309	0.29%
Sn 189.927†	-0.6	-7.60973	ug/L	2.316773	-7.60973	ug/L	2.316773	30.44%
Sr 407.771†	6247.4	8.36455	ug/L	0.097298	8.36455	ug/L	0.097298	1.16%
Ti 334.940†	11.5	2.79889	ug/L	0.266793	2.79889	ug/L	0.266793	9.53%
Tl 190.801†	-2.6	-1.15345	ug/L	1.746719	-1.15345	ug/L	1.746719	151.43%
V 292.395†	54.5	1.15695	ug/L	0.643496	1.15695	ug/L	0.643496	55.62%
Zn 206.200†	88.2	8.35323	ug/L	0.562300	8.35323	ug/L	0.562300	6.73%

Sequence No.: 18
Sample ID: 0C02043-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 3/2/2010 1:55:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0C02043-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	190405.0	190405.0	99.9744	%			13:56:39
1	Al 396.153†	7999.4	7790.5	2464.46	ug/L	2464.46	ug/L	13:56:39
1	Ba 455.398†	145202.9	145240.0	499.702	ug/L	499.702	ug/L	13:56:39
1	Ca 315.887†	7014.6	6880.0	4.97286	mg/L	4.97286	mg/L	13:56:59
1	Fe 238.204†	1074.4	1046.6	498.936	ug/L	498.936	ug/L	13:56:59
1	K 766.490	3696.4	3616.5	4.99276	mg/L	4.99276	mg/L	13:56:59
1	Li 670.784†	17595.6	17533.4	500.546	ug/L	500.546	ug/L	13:56:39
1	Mg 279.071†	2260.6	2241.6	5.00850	mg/L	5.00850	mg/L	13:56:59
1	Na 589.592†	33290.1	32875.0	5.01178	mg/L	5.01178	mg/L	13:56:39
1	Sr 407.771†	387297.7	387281.3	499.142	ug/L	499.142	ug/L	13:56:39
1	Ti 334.940†	7320.3	7355.3	495.539	ug/L	495.539	ug/L	13:56:59
1	Y 360.076	229884.0	229884.0	98.7376	%			13:57:30
1	Ag 328.068†	30565.9	30940.2	506.557	ug/L	506.557	ug/L	13:57:30
1	As 188.979†	1391.6	1430.7	2540.67	ug/L	2540.67	ug/L	13:57:50
1	B 249.677†	9009.5	8868.2	499.826	ug/L	499.826	ug/L	13:57:30
1	Be 234.861†	8698.6	9560.6	50.4796	ug/L	50.4796	ug/L	13:57:50
1	Cd 214.437†	12082.7	11844.1	506.206	ug/L	506.206	ug/L	13:57:50
1	Ce 413.764†	684.6	-50.8	-1.36761	ug/L	-1.36761	ug/L	13:57:30
1	Co 228.616†	3011.7	3128.2	507.814	ug/L	507.814	ug/L	13:57:50
1	Cr 205.557†	5145.4	5240.5	508.658	ug/L	508.658	ug/L	13:57:50
1	Cu 327.397†	15917.6	16116.6	510.564	ug/L	510.564	ug/L	13:57:30
1	Mn 257.610†	69795.8	70494.6	509.908	ug/L	509.908	ug/L	13:57:30
1	Mo 202.031†	3644.0	3610.3	507.083	ug/L	507.083	ug/L	13:57:50
1	Ni 231.604†	5884.3	5605.8	511.438	ug/L	511.438	ug/L	13:57:50
1	Pb 220.353†	816.6	788.0	509.078	ug/L	509.078	ug/L	13:57:50
1	Sb 217.584†	3059.7	3152.7	2541.29	ug/L	2541.29	ug/L	13:57:50
1	Se 196.026†	801.9	849.0	2537.85	ug/L	2537.85	ug/L	13:57:50
1	Si 251.611†	26559.5	26430.9	2545.44	ug/L	2545.44	ug/L	13:57:30
1	Sn 189.927†	4945.4	5014.5	2547.20	ug/L	2547.20	ug/L	13:57:50
1	Tl 190.801†	1902.1	1960.0	2539.85	ug/L	2539.85	ug/L	13:57:50
1	V 292.395†	19578.3	21210.5	513.418	ug/L	513.418	ug/L	13:57:30
1	Zn 206.200†	4263.4	4375.1	508.447	ug/L	508.447	ug/L	13:57:50
2	Sc 357.234	190221.6	190221.6	99.8781	%			13:57:04
2	Al 396.153†	8068.2	7867.0	2488.92	ug/L	2488.92	ug/L	13:57:04
2	Ba 455.398†	145691.9	145869.6	501.867	ug/L	501.867	ug/L	13:57:04
2	Ca 315.887†	7005.7	6878.0	4.97136	mg/L	4.97136	mg/L	13:57:24
2	Fe 238.204†	1071.5	1044.8	498.058	ug/L	498.058	ug/L	13:57:24
2	K 766.490	3682.2	3602.4	4.97323	mg/L	4.97323	mg/L	13:57:24
2	Li 670.784†	17648.8	17603.7	502.550	ug/L	502.550	ug/L	13:57:04
2	Mg 279.071†	2248.4	2231.5	4.98598	mg/L	4.98598	mg/L	13:57:24
2	Na 589.592†	33365.1	32982.1	5.02814	mg/L	5.02814	mg/L	13:57:04
2	Sr 407.771†	389379.1	389738.7	502.307	ug/L	502.307	ug/L	13:57:04
2	Ti 334.940†	7331.5	7373.6	496.763	ug/L	496.763	ug/L	13:57:24
2	Y 360.076	232089.4	232089.4	99.6849	%			13:57:55
2	Ag 328.068†	30458.4	30538.2	499.991	ug/L	499.991	ug/L	13:57:55
2	As 188.979†	1393.3	1418.9	2519.73	ug/L	2519.73	ug/L	13:58:15
2	B 249.677†	9024.4	8796.5	495.723	ug/L	495.723	ug/L	13:57:55
2	Be 234.861†	8700.1	9478.4	50.0436	ug/L	50.0436	ug/L	13:58:15
2	Cd 214.437†	12114.3	11759.5	502.581	ug/L	502.581	ug/L	13:58:15
2	Ce 413.764†	737.7	-4.1	-0.194210	ug/L	-0.194210	ug/L	13:57:55
2	Co 228.616†	3024.7	3112.3	505.207	ug/L	505.207	ug/L	13:58:15
2	Cr 205.557†	5155.4	5201.0	504.812	ug/L	504.812	ug/L	13:58:15
2	Cu 327.397†	15905.8	15951.6	505.347	ug/L	505.347	ug/L	13:57:55
2	Mn 257.610†	69496.5	69522.6	502.867	ug/L	502.867	ug/L	13:57:55
2	Mo 202.031†	3656.8	3588.1	503.972	ug/L	503.972	ug/L	13:58:15
2	Ni 231.604†	5910.1	5575.1	508.630	ug/L	508.630	ug/L	13:58:15
2	Pb 220.353†	802.8	766.3	495.015	ug/L	495.015	ug/L	13:58:15
2	Sb 217.584†	3074.4	3138.0	2529.39	ug/L	2529.39	ug/L	13:58:15
2	Se 196.026†	807.8	847.3	2532.65	ug/L	2532.65	ug/L	13:58:15
2	Si 251.611†	26478.0	26093.5	2512.48	ug/L	2512.48	ug/L	13:57:55
2	Sn 189.927†	4951.7	4973.2	2526.13	ug/L	2526.13	ug/L	13:58:15
2	Tl 190.801†	1900.4	1940.1	2514.06	ug/L	2514.06	ug/L	13:58:15
2	V 292.395†	19541.1	20984.7	507.971	ug/L	507.971	ug/L	13:57:55
2	Zn 206.200†	4253.3	4323.9	502.476	ug/L	502.476	ug/L	13:58:15

Mean Data: 0C02043-CCV

	Mean Corrected	Calib.	Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Sc 357.234	190313.3	99.9263	%	0.06808				0.07%
Y 360.076	230986.7	99.2113	%	0.66982				0.68%
Ag 328.068†	30739.2	503.274	ug/L	4.6427	503.274	ug/L	4.6427	0.92%
QC value within limits for Ag 328.068 Recovery = 100.65%								
Al 396.153†	7828.7	2476.69	ug/L	17.298	2476.69	ug/L	17.298	0.70%
QC value within limits for Al 396.153 Recovery = 99.07%								
As 188.979†	1424.8	2530.20	ug/L	14.807	2530.20	ug/L	14.807	0.59%
QC value within limits for As 188.979 Recovery = 101.21%								
B 249.677†	8832.4	497.774	ug/L	2.9009	497.774	ug/L	2.9009	0.58%
QC value within limits for B 249.677 Recovery = 99.55%								
Ba 455.398†	145554.8	500.784	ug/L	1.5310	500.784	ug/L	1.5310	0.31%
QC value within limits for Ba 455.398 Recovery = 100.16%								
Be 234.861†	9519.5	50.2616	ug/L	0.30836	50.2616	ug/L	0.30836	0.61%
QC value within limits for Be 234.861 Recovery = 100.52%								
Ca 315.887†	6879.0	4.97211	mg/L	0.001062	4.97211	mg/L	0.001062	0.02%
QC value within limits for Ca 315.887 Recovery = 99.44%								
Cd 214.437†	11801.8	504.393	ug/L	2.5635	504.393	ug/L	2.5635	0.51%
QC value within limits for Cd 214.437 Recovery = 100.88%								
Ce 413.764†	-27.5	-0.780909	ug/L	0.8297171	-0.780909	ug/L	0.8297171	106.25%
Co 228.616†	3120.2	506.511	ug/L	1.8435	506.511	ug/L	1.8435	0.36%
QC value within limits for Co 228.616 Recovery = 101.30%								
Cr 205.557†	5220.7	506.735	ug/L	2.7194	506.735	ug/L	2.7194	0.54%
QC value within limits for Cr 205.557 Recovery = 101.35%								
Cu 327.397†	16034.1	507.955	ug/L	3.6890	507.955	ug/L	3.6890	0.73%
QC value within limits for Cu 327.397 Recovery = 101.59%								
Fe 238.204†	1045.7	498.497	ug/L	0.6204	498.497	ug/L	0.6204	0.12%
QC value within limits for Fe 238.204 Recovery = 99.70%								
K 766.490	3609.5	4.98300	mg/L	0.013810	4.98300	mg/L	0.013810	0.28%
QC value within limits for K 766.490 Recovery = 99.66%								
Li 670.784†	17568.6	501.548	ug/L	1.4171	501.548	ug/L	1.4171	0.28%
QC value within limits for Li 670.784 Recovery = 100.31%								
Mg 279.071†	2236.6	4.99724	mg/L	0.015920	4.99724	mg/L	0.015920	0.32%
QC value within limits for Mg 279.071 Recovery = 99.94%								
Mn 257.610†	70008.6	506.387	ug/L	4.9788	506.387	ug/L	4.9788	0.98%
QC value within limits for Mn 257.610 Recovery = 101.28%								
Mo 202.031†	3599.2	505.527	ug/L	2.2003	505.527	ug/L	2.2003	0.44%
QC value within limits for Mo 202.031 Recovery = 101.11%								
Na 589.592†	32928.6	5.01996	mg/L	0.011571	5.01996	mg/L	0.011571	0.23%
QC value within limits for Na 589.592 Recovery = 100.40%								
Ni 231.604†	5590.4	510.034	ug/L	1.9857	510.034	ug/L	1.9857	0.39%
QC value within limits for Ni 231.604 Recovery = 102.01%								
Pb 220.353†	777.1	502.047	ug/L	9.9441	502.047	ug/L	9.9441	1.98%
QC value within limits for Pb 220.353 Recovery = 100.41%								
Sb 217.584†	3145.3	2535.34	ug/L	8.413	2535.34	ug/L	8.413	0.33%
QC value within limits for Sb 217.584 Recovery = 101.41%								
Se 196.026†	848.1	2535.25	ug/L	3.679	2535.25	ug/L	3.679	0.15%
QC value within limits for Se 196.026 Recovery = 101.41%								
Si 251.611†	26262.2	2528.96	ug/L	23.310	2528.96	ug/L	23.310	0.92%
QC value within limits for Si 251.611 Recovery = 101.16%								
Sn 189.927†	4993.9	2536.67	ug/L	14.895	2536.67	ug/L	14.895	0.59%
QC value within limits for Sn 189.927 Recovery = 101.47%								
Sr 407.771†	388510.0	500.724	ug/L	2.2381	500.724	ug/L	2.2381	0.45%
QC value within limits for Sr 407.771 Recovery = 100.14%								
Ti 334.940†	7364.4	496.151	ug/L	0.8655	496.151	ug/L	0.8655	0.17%
QC value within limits for Ti 334.940 Recovery = 99.23%								
Tl 190.801†	1950.1	2526.95	ug/L	18.236	2526.95	ug/L	18.236	0.72%
QC value within limits for Tl 190.801 Recovery = 101.08%								
V 292.395†	21097.6	510.695	ug/L	3.8517	510.695	ug/L	3.8517	0.75%
QC value within limits for V 292.395 Recovery = 102.14%								
Zn 206.200†	4349.5	505.462	ug/L	4.2220	505.462	ug/L	4.2220	0.84%
QC value within limits for Zn 206.200 Recovery = 101.09%								

All analyte(s) passed QC.

Sequence No.: 19
Sample ID: 0C02043-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 3/2/2010 1:59:32 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0C02043-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	190324.6	190324.6	99.9322	%			14:00:37
1	Al 396.153†	167.5	-43.4	-24.4114	ug/L	-24.4114	ug/L	14:00:37
1	Ba 455.398†	-9.5	-9.6	0.202023	ug/L	0.202023	ug/L	14:00:37
1	Ca 315.887†	130.5	-5.7	-0.0171968	mg/L	-0.0171968	mg/L	14:00:57
1	Fe 238.204†	34.9	6.9	2.31250	ug/L	2.31250	ug/L	14:00:57
1	K 766.490	87.0	7.2	0.0069967	mg/L	0.0069967	mg/L	14:00:37
1	Li 670.784†	62.7	-3.8	0.328072	ug/L	0.328072	ug/L	14:00:37
1	Mg 279.071†	12.9	-6.7	-0.0067856	mg/L	-0.0067856	mg/L	14:00:57
1	Na 589.592†	403.3	-20.1	-0.0103469	mg/L	-0.0103469	mg/L	14:00:37
1	Sr 407.771†	142.0	26.5	0.351894	ug/L	0.351894	ug/L	14:00:37
1	Ti 334.940†	-31.9	1.3	2.11192	ug/L	2.11192	ug/L	14:00:57
1	Y 360.076	233510.2	233510.2	100.295	%			14:01:28
1	Ag 328.068†	6.4	-10.1	0.545538	ug/L	0.545538	ug/L	14:01:28
1	As 188.979†	-11.4	9.9	6.20179	ug/L	6.20179	ug/L	14:01:48
1	B 249.677†	406.5	148.9	2.11277	ug/L	2.11277	ug/L	14:01:48
1	Be 234.861†	-751.6	1.4	-0.0548473	ug/L	-0.0548473	ug/L	14:01:48
1	Cd 214.437†	378.4	-15.8	-1.76254	ug/L	-1.76254	ug/L	14:01:48
1	Ce 413.764†	757.9	11.5	0.288529	ug/L	0.288529	ug/L	14:01:28
1	Co 228.616†	-82.5	-4.3	-2.80927	ug/L	-2.80927	ug/L	14:01:48
1	Cr 205.557†	-36.1	-6.8	-2.18441	ug/L	-2.18441	ug/L	14:01:48
1	Cu 327.397†	81.6	76.9	3.24462	ug/L	3.24462	ug/L	14:01:28
1	Mn 257.610†	240.6	46.3	-0.459606	ug/L	-0.459606	ug/L	14:01:48
1	Mo 202.031†	81.2	0.7	-0.0951007	ug/L	-0.0951007	ug/L	14:01:48
1	Ni 231.604†	334.9	-19.7	-2.47841	ug/L	-2.47841	ug/L	14:01:48
1	Pb 220.353†	35.0	-4.2	-4.64432	ug/L	-4.64432	ug/L	14:01:48
1	Sb 217.584†	-46.3	7.7	-1.92322	ug/L	-1.92322	ug/L	14:01:48
1	Se 196.026†	-27.3	9.6	14.0961	ug/L	14.0961	ug/L	14:01:48
1	Si 251.611†	592.3	122.3	-9.72275	ug/L	-9.72275	ug/L	14:01:48
1	Sn 189.927†	7.9	13.8	-0.615629	ug/L	-0.615629	ug/L	14:01:48
1	Tl 190.801†	-41.6	-7.8	-7.91461	ug/L	-7.91461	ug/L	14:01:48
1	V 292.395†	-1395.6	-9.7	-0.369427	ug/L	-0.369427	ug/L	14:01:28
1	Zn 206.200†	-53.2	4.2	-1.40618	ug/L	-1.40618	ug/L	14:01:48
2	Sc 357.234	190221.1	190221.1	99.8779	%			14:01:02
2	Al 396.153†	213.7	2.9	-9.63808	ug/L	-9.63808	ug/L	14:01:02
2	Ba 455.398†	-4.3	-4.4	0.219772	ug/L	0.219772	ug/L	14:01:02
2	Ca 315.887†	128.2	-7.9	-0.0187944	mg/L	-0.0187944	mg/L	14:01:22
2	Fe 238.204†	30.6	2.7	0.277831	ug/L	0.277831	ug/L	14:01:22
2	K 766.490	115.3	35.4	0.0460327	mg/L	0.0460327	mg/L	14:01:02
2	Li 670.784†	85.3	18.8	0.972587	ug/L	0.972587	ug/L	14:01:02
2	Mg 279.071†	22.3	2.7	0.0142355	mg/L	0.0142355	mg/L	14:01:22
2	Na 589.592†	437.2	14.1	-0.0051256	mg/L	-0.0051256	mg/L	14:01:02
2	Sr 407.771†	141.2	25.8	0.350965	ug/L	0.350965	ug/L	14:01:02
2	Ti 334.940†	-38.7	-5.6	1.65131	ug/L	1.65131	ug/L	14:01:22
2	Y 360.076	234674.5	234674.5	100.795	%			14:01:53
2	Ag 328.068†	40.5	23.7	1.09394	ug/L	1.09394	ug/L	14:01:53
2	As 188.979†	-24.0	-2.6	-16.1429	ug/L	-16.1429	ug/L	14:02:14
2	B 249.677†	406.9	147.3	2.02005	ug/L	2.02005	ug/L	14:02:14
2	Be 234.861†	-744.8	11.9	0.0011944	ug/L	0.0011944	ug/L	14:02:14
2	Cd 214.437†	393.0	-3.2	-1.22308	ug/L	-1.22308	ug/L	14:02:14
2	Ce 413.764†	730.0	-19.9	-0.501191	ug/L	-0.501191	ug/L	14:01:53
2	Co 228.616†	-80.1	-1.5	-2.35682	ug/L	-2.35682	ug/L	14:02:14
2	Cr 205.557†	-31.2	-1.7	-1.69248	ug/L	-1.69248	ug/L	14:02:14
2	Cu 327.397†	54.7	49.8	2.38999	ug/L	2.38999	ug/L	14:01:53
2	Mn 257.610†	243.7	48.3	-0.445748	ug/L	-0.445748	ug/L	14:02:14
2	Mo 202.031†	82.7	1.8	0.0550437	ug/L	0.0550437	ug/L	14:02:14
2	Ni 231.604†	334.7	-21.6	-2.65050	ug/L	-2.65050	ug/L	14:02:14
2	Pb 220.353†	40.8	1.5	-0.962697	ug/L	-0.962697	ug/L	14:02:14
2	Sb 217.584†	-40.3	13.9	3.09810	ug/L	3.09810	ug/L	14:02:14
2	Se 196.026†	-31.9	5.3	1.01621	ug/L	1.01621	ug/L	14:02:14
2	Si 251.611†	588.9	116.0	-10.3271	ug/L	-10.3271	ug/L	14:02:14
2	Sn 189.927†	5.9	11.7	-1.66914	ug/L	-1.66914	ug/L	14:02:14
2	Tl 190.801†	-33.5	0.4	2.70518	ug/L	2.70518	ug/L	14:02:14
2	V 292.395†	-1342.1	50.3	1.07100	ug/L	1.07100	ug/L	14:01:53
2	Zn 206.200†	-47.6	10.0	-0.728662	ug/L	-0.728662	ug/L	14:02:14

Mean Data: 0C02043-CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	190272.9	99.9050	%	0.03841				0.04%
Y 360.076	234092.4	100.545	%	0.3536				0.35%
Ag 328.068†	6.8	0.819737	ug/L	0.3877760	0.819737	ug/L	0.3877760	47.30%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-20.2	-17.0247	ug/L	10.44628	-17.0247	ug/L	10.44628	61.36%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	3.7	-4.97054	ug/L	15.800071	-4.97054	ug/L	15.800071	317.87%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	148.1	2.06641	ug/L	0.065563	2.06641	ug/L	0.065563	3.17%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	-7.0	0.210897	ug/L	0.0125507	0.210897	ug/L	0.0125507	5.95%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	6.6	-0.0268264	ug/L	0.03962745	-0.0268264	ug/L	0.03962745	147.72%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	-6.8	-0.0179956	mg/L	0.00112967	-0.0179956	mg/L	0.00112967	6.28%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	-9.5	-1.49281	ug/L	0.381452	-1.49281	ug/L	0.381452	25.55%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	-4.2	-0.106331	ug/L	0.5584162	-0.106331	ug/L	0.5584162	525.17%
Co 228.616†	-2.9	-2.58304	ug/L	0.319929	-2.58304	ug/L	0.319929	12.39%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	-4.3	-1.93845	ug/L	0.347845	-1.93845	ug/L	0.347845	17.94%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	63.3	2.81730	ug/L	0.604310	2.81730	ug/L	0.604310	21.45%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	4.8	1.29517	ug/L	1.438730	1.29517	ug/L	1.438730	111.08%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	21.3	0.0265147	mg/L	0.02760262	0.0265147	mg/L	0.02760262	104.10%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	7.5	0.650330	ug/L	0.4557407	0.650330	ug/L	0.4557407	70.08%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	-2.0	0.0037250	mg/L	0.01486412	0.0037250	mg/L	0.01486412	399.04%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	47.3	-0.452677	ug/L	0.0097992	-0.452677	ug/L	0.0097992	2.16%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	1.2	-0.0200285	ug/L	0.10616809	-0.0200285	ug/L	0.10616809	530.09%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-3.0	-0.0077363	mg/L	0.00369203	-0.0077363	mg/L	0.00369203	47.72%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-20.7	-2.56445	ug/L	0.121681	-2.56445	ug/L	0.121681	4.74%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-1.4	-2.80351	ug/L	2.603298	-2.80351	ug/L	2.603298	92.86%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	10.8	0.587436	ug/L	3.5506090	0.587436	ug/L	3.5506090	604.42%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	7.4	7.55616	ug/L	9.248879	7.55616	ug/L	9.248879	122.40%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	119.2	-10.0249	ug/L	0.42735	-10.0249	ug/L	0.42735	4.26%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	12.8	-1.14238	ug/L	0.744942	-1.14238	ug/L	0.744942	65.21%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	26.1	0.351429	ug/L	0.0006567	0.351429	ug/L	0.0006567	0.19%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	-2.2	1.88161	ug/L	0.325698	1.88161	ug/L	0.325698	17.31%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-3.7	-2.60472	ug/L	7.509323	-2.60472	ug/L	7.509323	288.30%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	20.3	0.350784	ug/L	1.0185327	0.350784	ug/L	1.0185327	290.36%
QC value within limits for V 292.395 Recovery = Not calculated								
Zn 206.200†	7.1	-1.06742	ug/L	0.479075	-1.06742	ug/L	0.479075	44.88%
QC value within limits for Zn 206.200 Recovery = Not calculated								
All analyte(s) passed QC.								

Analytical Sequence
Method: Aqueous_6010C_311

Seq.	Loc.	ID	Status
1	1	0C02043-CAL1	Applied
2	2	0C02043-CAL2	Applied

3	3	0C02043-CAL3	Applied
4	4	0C02043-CAL4	Applied
5	5	0C02043-CAL5	Applied
6	9	0C02043-SCV	QC Failed
7	1	0C02043-CCB	QC Passed
8	10	0C02043-CRL1	QC Passed
9	11	0C02043-IFA1	QC Passed
10	12	0C02043-IFA2	QC Passed
11	13	0C02043-IFB1	QC Passed
12	14	0C02043-IFB2	QC Passed
13	4	0C02043-CCV	QC Passed
14	1	0C02043-CCB	QC Passed
15	17	1001566-blk1	Analyzed
16	18	1001566-bs1	Analyzed
17	19	1002144-05	Analyzed
18	4	0C02043-CCV	QC Passed
19	1	0C02043-CCB	QC Passed

TriMatrix Laboratories, Inc.

SulTRAC

Project: Plainwell Mill

SDG: PM012510B

USEPA-6020A

SAMPLE ID SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-SO-56394-CB-012510-129	1002144-01
S-SO-56394-CB-012510-133	1002144-02
S-SO-56394-CB-012510-137	1002144-03
S-SO-56394-CB-012510-144	1002144-04
S-SO-56394-DR-012510-1069	1002144-05
S-SO-56394-DR-012510-1059	1002144-06
S-SO-56394-CB-012510-143	1002144-07
S-SO-56394-DR-012510-1063	1002144-08
S-SO-56394-CB-012610-153	1002144-09
S-SO-56394-CB-012610-158	1002144-10
S-SO-56394-CB-012610-160	1002144-11
S-SO-56394-CB-012610-165	1002144-12
S-SO-56394-DR-012610-1078	1002144-13
S-SO-56394-DR-012610-1075	1002144-15
S-SO-56394-CB-012610-166	1002144-16
S-SO-56394-CB-012710-168	1002144-17
SD-SO-56394-CB-012710-168	1002144-18
S-SO-56394-CB-012710-177	1002144-19
S-SO-56394-CB-012710-180	1002144-20
S-SO-56394-CB-012710-182	1002144-21
S-SO-56394-CB-012710-183	1002144-22
S-SO-56394-CB-012810-189	1002144-23
SD-SO-56394-CB-012810-189	1002144-24
S-SO-56394-CB-012810-190	1002144-25

: 00273

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012510-129

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 09:55
Solids: 0.00
Laboratory ID: 1002144-01

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001399

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0037	mg/L	1	0.0010	0.00036		02/22/10 21:50
7440-38-2	Arsenic, SPLP	0.0054	mg/L	1	0.0010	0.00038		02/22/10 21:50
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 21:50
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 21:50
7440-47-3	Chromium, SPLP	0.0031	mg/L	1	0.0050	0.00046	J	02/17/10 18:31
7440-48-4	Cobalt, SPLP	0.00059	mg/L	1	0.0010	0.000042	J	02/17/10 18:31
7440-50-8	Copper, SPLP	0.010	mg/L	1	0.0020	0.00071		02/22/10 21:50
7439-92-1	Lead, SPLP	0.0068	mg/L	1	0.0010	0.00022		02/22/10 21:50
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/22/10 21:50
7440-22-4	Silver, SPLP	0.00010	mg/L	1	0.00020	0.000061	J	02/17/10 18:31
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 21:50
7440-62-2	Vanadium, SPLP	0.0018	mg/L	1	0.0010	0.00028		02/22/10 21:50
7440-66-6	Zinc, SPLP	0.0085	mg/L	1	0.050	0.0029	J	02/22/10 21:50

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012510-133

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 11:25
Solids: 0.00
Laboratory ID: 1002144-02

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001399

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.00041	mg/L	1	0.0010	0.00036	J	02/22/10 21:53
7440-38-2	Arsenic, SPLP	0.0010	mg/L	1	0.0010	0.00038	U	02/22/10 21:53
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 21:53
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 21:53
7440-47-3	Chromium, SPLP	0.0011	mg/L	1	0.0050	0.00046	J	02/17/10 18:34
7440-48-4	Cobalt, SPLP	0.00020	mg/L	1	0.0010	0.000042	J	02/17/10 18:34
7440-50-8	Copper, SPLP	0.0021	mg/L	1	0.0020	0.00071		02/22/10 21:53
7439-92-1	Lead, SPLP	0.00030	mg/L	1	0.0010	0.00022	J	02/22/10 21:53
7782-49-2	Selenium, SPLP	0.00089	mg/L	1	0.0020	0.00082	J	02/22/10 21:53
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/17/10 18:34
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 21:53
7440-62-2	Vanadium, SPLP	0.0010	mg/L	1	0.0010	0.00028	U	02/22/10 21:53
7440-66-6	Zinc, SPLP	0.0041	mg/L	1	0.050	0.0029	J	02/17/10 18:34

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012510-137

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 12:55
Solids: 0.00
Laboratory ID: 1002144-03

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001399

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0028	mg/L	1	0.0010	0.00036		02/22/10 21:56
7440-38-2	Arsenic, SPLP	0.0010	mg/L	1	0.0010	0.00038	U	02/22/10 21:56
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 21:56
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 21:56
7440-47-3	Chromium, SPLP	0.0020	mg/L	1	0.0050	0.00046	J	02/17/10 18:37
7440-48-4	Cobalt, SPLP	0.000068	mg/L	1	0.0010	0.000042	J	02/17/10 18:37
7440-50-8	Copper, SPLP	0.0075	mg/L	1	0.0020	0.00071		02/17/10 18:37
7439-92-1	Lead, SPLP	0.00085	mg/L	1	0.0010	0.00022	J	02/22/10 21:56
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/22/10 21:56
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/17/10 18:37
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 21:56
7440-62-2	Vanadium, SPLP	0.00029	mg/L	1	0.0010	0.00028	J	02/22/10 21:56
7440-66-6	Zinc, SPLP	0.0087	mg/L	1	0.050	0.0029	J	02/17/10 18:37

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012510-144

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 15:50
Solids: 0.00
Laboratory ID: 1002144-04

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001399

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036	U	02/22/10 22:00
7440-38-2	Arsenic, SPLP	0.0024	mg/L	1	0.0010	0.00038		02/22/10 22:00
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 22:00
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 22:00
7440-47-3	Chromium, SPLP	0.0011	mg/L	1	0.0050	0.00046	J	02/17/10 18:39
7440-48-4	Cobalt, SPLP	0.000062	mg/L	1	0.0010	0.000042	J	02/17/10 18:39
7440-50-8	Copper, SPLP	0.0014	mg/L	1	0.0020	0.00071	J	02/22/10 22:00
7439-92-1	Lead, SPLP	0.00073	mg/L	1	0.0010	0.00022	J	02/22/10 22:00
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/22/10 22:00
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 22:00
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 22:00
7440-62-2	Vanadium, SPLP	0.0034	mg/L	1	0.0010	0.00028		02/22/10 22:00
7440-66-6	Zinc, SPLP	0.0047	mg/L	1	0.050	0.0029	J	02/22/10 22:00

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-DR-012510-1069

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 14:40
Solids: 0.00
Laboratory ID: 1002144-05

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001399

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036	U	02/22/10 22:03
7440-38-2	Arsenic, SPLP	0.0010	mg/L	1	0.0010	0.00038	U	02/22/10 22:03
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 22:03
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 22:03
7440-47-3	Chromium, SPLP	0.00075	mg/L	1	0.0050	0.00046	J	02/17/10 18:42
7440-48-4	Cobalt, SPLP	0.0010	mg/L	1	0.0010	0.000042	U	02/17/10 18:42
7440-50-8	Copper, SPLP	0.00086	mg/L	1	0.0020	0.00071	J	02/22/10 22:03
7439-92-1	Lead, SPLP	0.00034	mg/L	1	0.0010	0.00022	J	02/22/10 22:03
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/17/10 18:42
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 22:03
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 22:03
7440-62-2	Vanadium, SPLP	0.0010	mg/L	1	0.0010	0.00028	U	02/22/10 22:03
7440-66-6	Zinc, SPLP	0.0084	mg/L	1	0.050	0.0029	J	02/22/10 22:03

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-DR-012510-1059

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 09:25
Solids: 0.00
Laboratory ID: 1002144-06

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001399

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036	U	02/22/10 22:06
7440-38-2	Arsenic, SPLP	0.0010	mg/L	1	0.0010	0.00038	U	02/22/10 22:06
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 22:06
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 22:06
7440-47-3	Chromium, SPLP	0.0050	mg/L	1	0.0050	0.00046	U	02/17/10 18:45
7440-48-4	Cobalt, SPLP	0.0010	mg/L	1	0.0010	0.000042	U	02/17/10 18:45
7440-50-8	Copper, SPLP	0.0020	mg/L	1	0.0020	0.00071	U	02/22/10 22:06
7439-92-1	Lead, SPLP	0.0010	mg/L	1	0.0010	0.00022	U	02/22/10 22:06
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/22/10 22:06
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 22:06
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 22:06
7440-62-2	Vanadium, SPLP	0.00091	mg/L	1	0.0010	0.00028	J	02/22/10 22:06
7440-66-6	Zinc, SPLP	0.0042	mg/L	1	0.050	0.0029	J	02/22/10 22:06

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012510-143

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 13:05
Solids: 0.00
Laboratory ID: 1002144-07

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001399

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036	U	02/22/10 22:09
7440-38-2	Arsenic, SPLP	0.0010	mg/L	1	0.0010	0.00038		02/22/10 22:09
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 22:09
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 22:09
7440-47-3	Chromium, SPLP	0.00086	mg/L	1	0.0050	0.00046	J	02/17/10 18:48
7440-48-4	Cobalt, SPLP	0.0010	mg/L	1	0.0010	0.000042	U	02/17/10 18:48
7440-50-8	Copper, SPLP	0.0011	mg/L	1	0.0020	0.00071	J	02/22/10 22:09
7439-92-1	Lead, SPLP	0.0010	mg/L	1	0.0010	0.00022	U	02/22/10 22:09
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/22/10 22:09
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 22:09
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 22:09
7440-62-2	Vanadium, SPLP	0.00081	mg/L	1	0.0010	0.00028	J	02/22/10 22:09
7440-66-6	Zinc, SPLP	0.0049	mg/L	1	0.050	0.0029	J	02/22/10 22:09

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-DR-012510-1063

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 11:25
Solids: 0.00
Laboratory ID: 1002144-08

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001399

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036	U	02/22/10 22:13
7440-38-2	Arsenic, SPLP	0.0013	mg/L	1	0.0010	0.00038		02/22/10 22:13
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 22:13
7440-43-9	Cadmium, SPLP	0.000077	mg/L	1	0.00020	0.000055	J	02/22/10 22:13
7440-47-3	Chromium, SPLP	0.0028	mg/L	1	0.0050	0.00046	J	02/17/10 18:50
7440-48-4	Cobalt, SPLP	0.00087	mg/L	1	0.0010	0.000042	J	02/17/10 18:50
7440-50-8	Copper, SPLP	0.0025	mg/L	1	0.0020	0.00071		02/22/10 22:13
7439-92-1	Lead, SPLP	0.0018	mg/L	1	0.0010	0.00022		02/22/10 22:13
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/22/10 22:13
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 22:13
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 22:13
7440-62-2	Vanadium, SPLP	0.0058	mg/L	1	0.0010	0.00028		02/22/10 22:13
7440-66-6	Zinc, SPLP	0.012	mg/L	1	0.050	0.0029	J	02/22/10 22:13

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012610-153

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 10:20
Solids: 0.00
Laboratory ID: 1002144-09

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001399

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.00060	mg/L	1	0.0010	0.00036	J	02/22/10 22:28
7440-38-2	Arsenic, SPLP	0.0013	mg/L	1	0.0010	0.00038		02/22/10 22:28
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 22:28
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 22:28
7440-47-3	Chromium, SPLP	0.0050	mg/L	1	0.0050	0.00046	U	02/17/10 19:01
7440-48-4	Cobalt, SPLP	0.0010	mg/L	1	0.0010	0.000042	U	02/17/10 19:01
7440-50-8	Copper, SPLP	0.0072	mg/L	1	0.0020	0.00071		02/22/10 22:28
7439-92-1	Lead, SPLP	0.0018	mg/L	1	0.0010	0.00022		02/22/10 22:28
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/22/10 22:28
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 22:28
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 22:28
7440-62-2	Vanadium, SPLP	0.0010	mg/L	1	0.0010	0.00028	U	02/22/10 22:28
7440-66-6	Zinc, SPLP	0.0035	mg/L	1	0.050	0.0029	J	02/22/10 22:28

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012610-158

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 12:50
Solids: 0.00
Laboratory ID: 1002144-10

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001399

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.12	mg/L	1	0.0010	0.00036		02/22/10 22:31
7440-38-2	Arsenic, SPLP	0.023	mg/L	1	0.0010	0.00038		02/22/10 22:31
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 22:31
7440-43-9	Cadmium, SPLP	0.00093	mg/L	1	0.00020	0.000055		02/22/10 22:31
7440-47-3	Chromium, SPLP	0.016	mg/L	1	0.0050	0.00046		02/17/10 19:04
7440-48-4	Cobalt, SPLP	0.0033	mg/L	1	0.0010	0.000042		02/17/10 19:04
7440-50-8	Copper, SPLP	0.16	mg/L	1	0.0020	0.00071		02/17/10 19:04
7439-92-1	Lead, SPLP	0.63	mg/L	2	0.0020	0.00043		02/23/10 15:20
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/17/10 19:04
7440-22-4	Silver, SPLP	0.000093	mg/L	1	0.00020	0.000061	J	02/17/10 19:04
7440-28-0	Thallium, SPLP	0.00039	mg/L	1	0.0010	0.000056	J	02/22/10 22:31
7440-62-2	Vanadium, SPLP	0.0083	mg/L	1	0.0010	0.00028		02/22/10 22:31
7440-66-6	Zinc, SPLP	0.35	mg/L	1	0.050	0.0029		02/17/10 19:04

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012610-160

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 13:45
Solids: 0.00
Laboratory ID: 1002144-11

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001399

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036	U	02/22/10 22:34
7440-38-2	Arsenic, SPLP	0.0018	mg/L	1	0.0010	0.00038		02/22/10 22:34
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 22:34
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 22:34
7440-47-3	Chromium, SPLP	0.0017	mg/L	1	0.0050	0.00046	J	02/17/10 19:07
7440-48-4	Cobalt, SPLP	0.00035	mg/L	1	0.0010	0.000042	J	02/17/10 19:07
7440-50-8	Copper, SPLP	0.0019	mg/L	1	0.0020	0.00071	J	02/22/10 22:34
7439-92-1	Lead, SPLP	0.00093	mg/L	1	0.0010	0.00022	J	02/22/10 22:34
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/22/10 22:34
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 22:34
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 22:34
7440-62-2	Vanadium, SPLP	0.0021	mg/L	1	0.0010	0.00028		02/22/10 22:34
7440-66-6	Zinc, SPLP	0.0079	mg/L	1	0.050	0.0029	J	02/22/10 22:34

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012610-165

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 15:20
Solids: 0.00
Laboratory ID: 1002144-12

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001399

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036	U	02/22/10 22:37
7440-38-2	Arsenic, SPLP	0.00054	mg/L	1	0.0010	0.00038	J	02/22/10 22:37
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 22:37
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 22:37
7440-47-3	Chromium, SPLP	0.0050	mg/L	1	0.0050	0.00046	U	02/17/10 19:09
7440-48-4	Cobalt, SPLP	0.0010	mg/L	1	0.0010	0.000042	U	02/17/10 19:09
7440-50-8	Copper, SPLP	0.0020	mg/L	1	0.0020	0.00071	U	02/22/10 22:37
7439-92-1	Lead, SPLP	0.0010	mg/L	1	0.0010	0.00022	U	02/22/10 22:37
7782-49-2	Selenium, SPLP	0.00086	mg/L	1	0.0020	0.00082	J	02/22/10 22:37
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 22:37
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 22:37
7440-62-2	Vanadium, SPLP	0.00033	mg/L	1	0.0010	0.00028	J	02/22/10 22:37
7440-66-6	Zinc, SPLP	0.0036	mg/L	1	0.050	0.0029	J	02/22/10 22:37

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-DR-012610-1078

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 11:35
Solids: 0.00
Laboratory ID: 1002144-13

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001399

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036	U	02/22/10 22:41
7440-38-2	Arsenic, SPLP	0.0010	mg/L	1	0.0010	0.00038	U	02/22/10 22:41
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 22:41
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 22:41
7440-47-3	Chromium, SPLP	0.0050	mg/L	1	0.0050	0.00046	U	02/17/10 19:12
7440-48-4	Cobalt, SPLP	0.0010	mg/L	1	0.0010	0.000042	U	02/17/10 19:12
7440-50-8	Copper, SPLP	0.0020	mg/L	1	0.0020	0.00071	U	02/22/10 22:41
7439-92-1	Lead, SPLP	0.0010	mg/L	1	0.0010	0.00022	U	02/22/10 22:41
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/17/10 19:12
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 22:41
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 22:41
7440-62-2	Vanadium, SPLP	0.0010	mg/L	1	0.0010	0.00028	U	02/22/10 22:41
7440-66-6	Zinc, SPLP	0.0039	mg/L	1	0.050	0.0029	J	02/22/10 22:41

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-DR-012610-1075

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 09:25
Solids: 0.00
Laboratory ID: 1002144-15

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001399

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036	U	02/22/10 22:44
7440-38-2	Arsenic, SPLP	0.0013	mg/L	1	0.0010	0.00038		02/22/10 22:44
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 22:44
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 22:44
7440-47-3	Chromium, SPLP	0.0050	mg/L	1	0.0050	0.00046	U	02/17/10 19:15
7440-48-4	Cobalt, SPLP	0.0010	mg/L	1	0.0010	0.000042	U	02/17/10 19:15
7440-50-8	Copper, SPLP	0.0012	mg/L	1	0.0020	0.00071	J	02/22/10 22:44
7439-92-1	Lead, SPLP	0.00044	mg/L	1	0.0010	0.00022	J	02/22/10 22:44
7782-49-2	Selenium, SPLP	0.00087	mg/L	1	0.0020	0.00082	J	02/22/10 22:44
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 22:44
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 22:44
7440-62-2	Vanadium, SPLP	0.00080	mg/L	1	0.0010	0.00028	J	02/22/10 22:44
7440-66-6	Zinc, SPLP	0.0044	mg/L	1	0.050	0.0029	J	02/22/10 22:44

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012610-166

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 16:10
Solids: 0.00
Laboratory ID: 1002144-16

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001399

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036	U	02/22/10 22:47
7440-38-2	Arsenic, SPLP	0.00076	mg/L	1	0.0010	0.00038	J	02/22/10 22:47
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 22:47
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 22:47
7440-47-3	Chromium, SPLP	0.0010	mg/L	1	0.0050	0.00046	J	02/17/10 19:18
7440-48-4	Cobalt, SPLP	0.00020	mg/L	1	0.0010	0.000042	J	02/17/10 19:18
7440-50-8	Copper, SPLP	0.0024	mg/L	1	0.0020	0.00071		02/22/10 22:47
7439-92-1	Lead, SPLP	0.0013	mg/L	1	0.0010	0.00022		02/22/10 22:47
7782-49-2	Selenium, SPLP	0.0011	mg/L	1	0.0020	0.00082	J	02/22/10 22:47
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 22:47
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 22:47
7440-62-2	Vanadium, SPLP	0.0018	mg/L	1	0.0010	0.00028		02/22/10 22:47
7440-66-6	Zinc, SPLP	0.0053	mg/L	1	0.050	0.0029	J	02/22/10 22:47

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012710-168

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 09:00
Solids: 0.00
Laboratory ID: 1002144-17

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001399

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.00079	mg/L	1	0.0010	0.00036	J	02/22/10 22:50
7440-38-2	Arsenic, SPLP	0.0089	mg/L	1	0.0010	0.00038		02/22/10 22:50
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 22:50
7440-43-9	Cadmium, SPLP	0.000083	mg/L	1	0.00020	0.000055	J	02/22/10 22:50
7440-47-3	Chromium, SPLP	0.0027	mg/L	1	0.0050	0.00046	J	02/17/10 19:20
7440-48-4	Cobalt, SPLP	0.00037	mg/L	1	0.0010	0.000042	J	02/17/10 19:20
7440-50-8	Copper, SPLP	0.0079	mg/L	1	0.0020	0.00071		02/22/10 22:50
7439-92-1	Lead, SPLP	0.0075	mg/L	1	0.0010	0.00022		02/22/10 22:50
7782-49-2	Selenium, SPLP	0.00098	mg/L	1	0.0020	0.00082	J	02/22/10 22:50
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/17/10 19:20
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 22:50
7440-62-2	Vanadium, SPLP	0.0045	mg/L	1	0.0010	0.00028		02/22/10 22:50
7440-66-6	Zinc, SPLP	0.016	mg/L	1	0.050	0.0029	J	02/22/10 22:50

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

SD-SO-56394-CB-012710-168

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 09:00
Solids: 0.00
Laboratory ID: 1002144-18

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001399

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.00077	mg/L	1	0.0010	0.00036	J	02/22/10 22:54
7440-38-2	Arsenic, SPLP	0.0082	mg/L	1	0.0010	0.00038		02/22/10 22:54
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 22:54
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 22:54
7440-47-3	Chromium, SPLP	0.0020	mg/L	1	0.0050	0.00046	J	02/17/10 19:23
7440-48-4	Cobalt, SPLP	0.00026	mg/L	1	0.0010	0.000042	J	02/17/10 19:23
7440-50-8	Copper, SPLP	0.0095	mg/L	1	0.0020	0.00071		02/22/10 22:54
7439-92-1	Lead, SPLP	0.0053	mg/L	1	0.0010	0.00022		02/22/10 22:54
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/17/10 19:23
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/17/10 19:23
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 22:54
7440-62-2	Vanadium, SPLP	0.0039	mg/L	1	0.0010	0.00028		02/22/10 22:54
7440-66-6	Zinc, SPLP	0.015	mg/L	1	0.050	0.0029	J	02/22/10 22:54

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012710-177

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 11:35
Solids: 0.00
Laboratory ID: 1002144-19

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001399

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.010	mg/L	1	0.0010	0.00036		02/22/10 22:57
7440-38-2	Arsenic, SPLP	0.0056	mg/L	1	0.0010	0.00038		02/22/10 22:57
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 22:57
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 22:57
7440-47-3	Chromium, SPLP	0.068	mg/L	1	0.0050	0.00046		02/17/10 19:26
7440-48-4	Cobalt, SPLP	0.00012	mg/L	1	0.0010	0.000042	J	02/17/10 19:26
7440-50-8	Copper, SPLP	0.045	mg/L	1	0.0020	0.00071		02/17/10 19:26
7439-92-1	Lead, SPLP	0.0050	mg/L	1	0.0010	0.00022		02/22/10 22:57
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/17/10 19:26
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/17/10 19:26
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 22:57
7440-62-2	Vanadium, SPLP	0.0075	mg/L	1	0.0010	0.00028		02/22/10 22:57
7440-66-6	Zinc, SPLP	0.0081	mg/L	1	0.050	0.0029	J	02/17/10 19:26

89291

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012710-180

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 13:50
Solids: 0.00
Laboratory ID: 1002144-20

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001400

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0055	mg/L	1	0.0010	0.00036		02/22/10 23:47
7440-38-2	Arsenic, SPLP	0.017	mg/L	1	0.0010	0.00038		02/22/10 23:47
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 23:47
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 23:47
7440-47-3	Chromium, SPLP	0.0040	mg/L	1	0.0050	0.00046	J	02/17/10 20:03
7440-48-4	Cobalt, SPLP	0.0010	mg/L	1	0.0010	0.000042	U	02/17/10 20:03
7440-50-8	Copper, SPLP	0.010	mg/L	1	0.0020	0.00071		02/17/10 20:03
7439-92-1	Lead, SPLP	0.0012	mg/L	1	0.0010	0.00022		02/22/10 23:47
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/17/10 20:03
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/17/10 20:03
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 23:47
7440-62-2	Vanadium, SPLP	0.0098	mg/L	1	0.0010	0.00028		02/22/10 23:47
7440-66-6	Zinc, SPLP	0.0056	mg/L	1	0.050	0.0029	J	02/17/10 20:03

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012710-182

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 14:50
Solids: 0.00
Laboratory ID: 1002144-21

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001400

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0037	mg/L	1	0.0010	0.00036		02/23/10 00:26
7440-38-2	Arsenic, SPLP	0.0010	mg/L	1	0.0010	0.00038	U	02/23/10 00:26
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/23/10 00:26
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/23/10 00:26
7440-47-3	Chromium, SPLP	0.027	mg/L	1	0.0050	0.00046		02/17/10 20:31
7440-48-4	Cobalt, SPLP	0.0010	mg/L	1	0.0010	0.000042	U	02/17/10 20:31
7440-50-8	Copper, SPLP	0.0052	mg/L	1	0.0020	0.00071		02/17/10 20:31
7439-92-1	Lead, SPLP	0.0014	mg/L	1	0.0010	0.00022		02/23/10 00:26
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/17/10 20:31
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/17/10 20:31
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/23/10 00:26
7440-62-2	Vanadium, SPLP	0.0010	mg/L	1	0.0010	0.00028	U	02/23/10 00:26
7440-66-6	Zinc, SPLP	0.015	mg/L	1	0.050	0.0029	J	02/17/10 20:31

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012710-183

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 15:20
Solids: 0.00
Laboratory ID: 1002144-22

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001400

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0027	mg/L	1	0.0010	0.00036		02/23/10 00:29
7440-38-2	Arsenic, SPLP	0.00074	mg/L	1	0.0010	0.00038	J	02/23/10 00:29
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/23/10 00:29
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/23/10 00:29
7440-47-3	Chromium, SPLP	0.0029	mg/L	1	0.0050	0.00046	J	02/17/10 20:34
7440-48-4	Cobalt, SPLP	0.00013	mg/L	1	0.0010	0.000042	J	02/17/10 20:34
7440-50-8	Copper, SPLP	0.0042	mg/L	1	0.0020	0.00071		02/23/10 00:29
7439-92-1	Lead, SPLP	0.0024	mg/L	1	0.0010	0.00022		02/23/10 00:29
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/23/10 00:29
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/17/10 20:34
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/23/10 00:29
7440-62-2	Vanadium, SPLP	0.0015	mg/L	1	0.0010	0.00028		02/23/10 00:29
7440-66-6	Zinc, SPLP	0.012	mg/L	1	0.050	0.0029	J	02/17/10 20:34

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012810-189

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/28/10 09:15
Solids: 0.00
Laboratory ID: 1002144-23

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001400

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036	U	02/23/10 00:32
7440-38-2	Arsenic, SPLP	0.00082	mg/L	1	0.0010	0.00038	J	02/23/10 00:32
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/23/10 00:32
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/23/10 00:32
7440-47-3	Chromium, SPLP	0.0050	mg/L	1	0.0050	0.00046	U	02/17/10 20:37
7440-48-4	Cobalt, SPLP	0.0010	mg/L	1	0.0010	0.000042	U	02/17/10 20:37
7440-50-8	Copper, SPLP	0.0020	mg/L	1	0.0020	0.00071	U	02/23/10 00:32
7439-92-1	Lead, SPLP	0.0010	mg/L	1	0.0010	0.00022	U	02/23/10 00:32
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/17/10 20:37
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/23/10 00:32
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/23/10 00:32
7440-62-2	Vanadium, SPLP	0.00088	mg/L	1	0.0010	0.00028	J	02/23/10 00:32
7440-66-6	Zinc, SPLP	0.0034	mg/L	1	0.050	0.0029	J	02/23/10 00:32

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

SD-SO-56394-CB-012810-189

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/28/10 09:15
Solids: 0.00
Laboratory ID: 1002144-24

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001400

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036	U	02/23/10 00:35
7440-38-2	Arsenic, SPLP	0.0010	mg/L	1	0.0010	0.00038		02/23/10 00:35
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/23/10 00:35
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/23/10 00:35
7440-47-3	Chromium, SPLP	0.0050	mg/L	1	0.0050	0.00046	U	02/17/10 20:40
7440-48-4	Cobalt, SPLP	0.0010	mg/L	1	0.0010	0.000042	U	02/17/10 20:40
7440-50-8	Copper, SPLP	0.0020	mg/L	1	0.0020	0.00071	U	02/23/10 00:35
7439-92-1	Lead, SPLP	0.0010	mg/L	1	0.0010	0.00022	U	02/23/10 00:35
7782-49-2	Selenium, SPLP	0.00083	mg/L	1	0.0020	0.00082	J	02/23/10 00:35
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/23/10 00:35
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/23/10 00:35
7440-62-2	Vanadium, SPLP	0.00099	mg/L	1	0.0010	0.00028	J	02/23/10 00:35
7440-66-6	Zinc, SPLP	0.0035	mg/L	1	0.050	0.0029	J	02/23/10 00:35

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012810-190

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/28/10 10:05
Solids: 0.00
Laboratory ID: 1002144-25

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/17/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001400

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.00049	mg/L	1	0.0010	0.00036	J	02/23/10 00:39
7440-38-2	Arsenic, SPLP	0.0058	mg/L	1	0.0010	0.00038		02/23/10 00:39
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/23/10 00:39
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/23/10 00:39
7440-47-3	Chromium, SPLP	0.00057	mg/L	1	0.0050	0.00046	J	02/17/10 20:43
7440-48-4	Cobalt, SPLP	0.00016	mg/L	1	0.0010	0.000042	J	02/17/10 20:43
7440-50-8	Copper, SPLP	0.0023	mg/L	1	0.0020	0.00071		02/23/10 00:39
7439-92-1	Lead, SPLP	0.0010	mg/L	1	0.0010	0.00022		02/23/10 00:39
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/17/10 20:43
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/17/10 20:43
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/23/10 00:39
7440-62-2	Vanadium, SPLP	0.0056	mg/L	1	0.0010	0.00028		02/23/10 00:39
7440-66-6	Zinc, SPLP	0.0095	mg/L	1	0.050	0.0029	J	02/23/10 00:39

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B17045

SDG: PM012510B
Project: Plainwell Mill
Instrument: 201
Calibration: 0B17015

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B17045-CAL1	0b17045-001	02/17/10 17:27
Cal Standard	0B17045-CAL2	0b17045-002	02/17/10 17:30
Cal Standard	0B17045-CAL3	0b17045-003	02/17/10 17:32
Cal Standard	0B17045-CAL4	0b17045-004	02/17/10 17:35
Cal Standard	0B17045-CAL5	0b17045-005	02/17/10 17:38
Cal Standard	0B17045-CAL6	0b17045-006	02/17/10 17:41
Cal Standard	0B17045-CAL7	0b17045-007	02/17/10 17:44
Cal Standard	0B17045-CAL8	0b17045-008	02/17/10 17:46
Secondary Cal Check	0B17045-SCV1	0b17045-009	02/17/10 17:52
Calibration Check	0B17045-CCV1	0b17045-009	02/17/10 17:52
Calibration Blank	0B17045-CCB1	0b17045-010	02/17/10 17:57
MRL Check	0B17045-CRL1	0b17045-011	02/17/10 17:59
MRL Check	0B17045-CRL2	0b17045-012	02/17/10 18:02
Interference Check A	0B17045-IFA1	0b17045-013	02/17/10 18:05
Interference Check B	0B17045-IFB1	0b17045-014	02/17/10 18:10
Calibration Check	0B17045-CCV2	0b17045-015	02/17/10 18:15
Calibration Blank	0B17045-CCB2	0b17045-016	02/17/10 18:20
Blank	1001399-BLK1	0b17045-017	02/17/10 18:23
LCS	1001399-BS1	0b17045-018	02/17/10 18:26
S-SO-56394-CB-012510-129	1002144-01	0b17045-019	02/17/10 18:31
S-SO-56394-CB-012510-129	1002144-01	0b17045-019	02/17/10 18:31
S-SO-56394-CB-012510-129	1002144-01	0b17045-019	02/17/10 18:31
S-SO-56394-CB-012510-133	1002144-02	0b17045-020	02/17/10 18:34
S-SO-56394-CB-012510-133	1002144-02	0b17045-020	02/17/10 18:34
S-SO-56394-CB-012510-133	1002144-02	0b17045-020	02/17/10 18:34
S-SO-56394-CB-012510-133	1002144-02	0b17045-020	02/17/10 18:34
S-SO-56394-CB-012510-137	1002144-03	0b17045-021	02/17/10 18:37
S-SO-56394-CB-012510-137	1002144-03	0b17045-021	02/17/10 18:37
S-SO-56394-CB-012510-137	1002144-03	0b17045-021	02/17/10 18:37
S-SO-56394-CB-012510-137	1002144-03	0b17045-021	02/17/10 18:37
S-SO-56394-CB-012510-137	1002144-03	0b17045-021	02/17/10 18:37
S-SO-56394-CB-012510-144	1002144-04	0b17045-022	02/17/10 18:39

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B17045

SDG: PM012510B
Project: Plainwell Mill
Instrument: 201
Calibration: 0B17015

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012510-144	1002144-04	0b17045-022	02/17/10 18:39
S-SO-56394-DR-012510-1069	1002144-05	0b17045-023	02/17/10 18:42
S-SO-56394-DR-012510-1069	1002144-05	0b17045-023	02/17/10 18:42
S-SO-56394-DR-012510-1069	1002144-05	0b17045-023	02/17/10 18:42
S-SO-56394-DR-012510-1059	1002144-06	0b17045-024	02/17/10 18:45
S-SO-56394-DR-012510-1059	1002144-06	0b17045-024	02/17/10 18:45
S-SO-56394-CB-012510-143	1002144-07	0b17045-025	02/17/10 18:48
S-SO-56394-CB-012510-143	1002144-07	0b17045-025	02/17/10 18:48
S-SO-56394-DR-012510-1063	1002144-08	0b17045-026	02/17/10 18:50
S-SO-56394-DR-012510-1063	1002144-08	0b17045-026	02/17/10 18:50
Calibration Check	0B17045-CCV3	0b17045-027	02/17/10 18:53
Calibration Blank	0B17045-CCB3	0b17045-028	02/17/10 18:58
S-SO-56394-CB-012610-153	1002144-09	0b17045-029	02/17/10 19:01
S-SO-56394-CB-012610-153	1002144-09	0b17045-029	02/17/10 19:01
S-SO-56394-CB-012610-158	1002144-10	0b17045-030	02/17/10 19:04
S-SO-56394-CB-012610-158	1002144-10	0b17045-030	02/17/10 19:04
S-SO-56394-CB-012610-158	1002144-10	0b17045-030	02/17/10 19:04
S-SO-56394-CB-012610-158	1002144-10	0b17045-030	02/17/10 19:04
S-SO-56394-CB-012610-158	1002144-10	0b17045-030	02/17/10 19:04
S-SO-56394-CB-012610-158	1002144-10	0b17045-030	02/17/10 19:04
S-SO-56394-CB-012610-160	1002144-11	0b17045-031	02/17/10 19:07
S-SO-56394-CB-012610-160	1002144-11	0b17045-031	02/17/10 19:07
S-SO-56394-CB-012610-165	1002144-12	0b17045-032	02/17/10 19:09
S-SO-56394-CB-012610-165	1002144-12	0b17045-032	02/17/10 19:09
S-SO-56394-DR-012610-1078	1002144-13	0b17045-033	02/17/10 19:12
S-SO-56394-DR-012610-1078	1002144-13	0b17045-033	02/17/10 19:12
S-SO-56394-DR-012610-1078	1002144-13	0b17045-033	02/17/10 19:12
S-SO-56394-DR-012610-1075	1002144-15	0b17045-034	02/17/10 19:15
S-SO-56394-DR-012610-1075	1002144-15	0b17045-034	02/17/10 19:15
S-SO-56394-CB-012610-166	1002144-16	0b17045-035	02/17/10 19:18
S-SO-56394-CB-012610-166	1002144-16	0b17045-035	02/17/10 19:18
S-SO-56394-CB-012710-168	1002144-17	0b17045-036	02/17/10 19:20

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B17045

SDG: PM012510B
Project: Plainwell Mill
Instrument: 201
Calibration: 0B17015

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012710-168	1002144-17	0b17045-036	02/17/10 19:20
S-SO-56394-CB-012710-168	1002144-17	0b17045-036	02/17/10 19:20
SD-SO-56394-CB-012710-168	1002144-18	0b17045-037	02/17/10 19:23
SD-SO-56394-CB-012710-168	1002144-18	0b17045-037	02/17/10 19:23
SD-SO-56394-CB-012710-168	1002144-18	0b17045-037	02/17/10 19:23
SD-SO-56394-CB-012710-168	1002144-18	0b17045-037	02/17/10 19:23
S-SO-56394-CB-012710-177	1002144-19	0b17045-038	02/17/10 19:26
S-SO-56394-CB-012710-177	1002144-19	0b17045-038	02/17/10 19:26
S-SO-56394-CB-012710-177	1002144-19	0b17045-038	02/17/10 19:26
S-SO-56394-CB-012710-177	1002144-19	0b17045-038	02/17/10 19:26
S-SO-56394-CB-012710-177	1002144-19	0b17045-038	02/17/10 19:26
S-SO-56394-CB-012710-177	1002144-19	0b17045-038	02/17/10 19:26
Calibration Check	0B17045-CCV4	0b17045-039	02/17/10 19:29
Calibration Blank	0B17045-CCB4	0b17045-040	02/17/10 19:34
S-SO-56394-CB-012710-177	1001399-MS1	0b17045-041	02/17/10 19:37
S-SO-56394-CB-012710-177	1001399-MSD1	0b17045-042	02/17/10 19:42
S-SO-56394-CB-012710-177	0B17045-SRD1	0b17045-043	02/17/10 19:47
S-SO-56394-CB-012710-177	1001399-PS1	0b17045-044	02/17/10 19:50
Blank	1001400-BLK1	0b17045-045	02/17/10 19:55
LCS	1001400-BS1	0b17045-046	02/17/10 19:58
S-SO-56394-CB-012710-180	1002144-20	0b17045-047	02/17/10 20:03
S-SO-56394-CB-012710-180	1002144-20	0b17045-047	02/17/10 20:03
S-SO-56394-CB-012710-180	1002144-20	0b17045-047	02/17/10 20:03
S-SO-56394-CB-012710-180	1002144-20	0b17045-047	02/17/10 20:03
S-SO-56394-CB-012710-180	1002144-20	0b17045-047	02/17/10 20:03
S-SO-56394-CB-012710-180	1002144-20	0b17045-047	02/17/10 20:03
S-SO-56394-CB-012710-180	1001400-MS1	0b17045-048	02/17/10 20:06
S-SO-56394-CB-012710-180	1001400-MSD1	0b17045-049	02/17/10 20:11
S-SO-56394-CB-012710-180	0B17045-SRD2	0b17045-050	02/17/10 20:16
Calibration Check	0B17045-CCV5	0b17045-051	02/17/10 20:19
Calibration Blank	0B17045-CCB5	0b17045-052	02/17/10 20:24
S-SO-56394-CB-012710-180	1001400-PS1	0b17045-053	02/17/10 20:26

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B17045

SDG: PM012510B
Project: Plainwell Mill
Instrument: 201
Calibration: 0B17015

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012710-182	1002144-21	0b17045-054	02/17/10 20:31
S-SO-56394-CB-012710-182	1002144-21	0b17045-054	02/17/10 20:31
S-SO-56394-CB-012710-182	1002144-21	0b17045-054	02/17/10 20:31
S-SO-56394-CB-012710-182	1002144-21	0b17045-054	02/17/10 20:31
S-SO-56394-CB-012710-182	1002144-21	0b17045-054	02/17/10 20:31
S-SO-56394-CB-012710-182	1002144-21	0b17045-054	02/17/10 20:31
S-SO-56394-CB-012710-183	1002144-22	0b17045-055	02/17/10 20:34
S-SO-56394-CB-012710-183	1002144-22	0b17045-055	02/17/10 20:34
S-SO-56394-CB-012710-183	1002144-22	0b17045-055	02/17/10 20:34
S-SO-56394-CB-012710-183	1002144-22	0b17045-055	02/17/10 20:34
S-SO-56394-CB-012810-189	1002144-23	0b17045-056	02/17/10 20:37
S-SO-56394-CB-012810-189	1002144-23	0b17045-056	02/17/10 20:37
S-SO-56394-CB-012810-189	1002144-23	0b17045-056	02/17/10 20:37
SD-SO-56394-CB-012810-189	1002144-24	0b17045-057	02/17/10 20:40
SD-SO-56394-CB-012810-189	1002144-24	0b17045-057	02/17/10 20:40
S-SO-56394-CB-012810-190	1002144-25	0b17045-058	02/17/10 20:43
S-SO-56394-CB-012810-190	1002144-25	0b17045-058	02/17/10 20:43
S-SO-56394-CB-012810-190	1002144-25	0b17045-058	02/17/10 20:43
S-SO-56394-CB-012810-190	1002144-25	0b17045-058	02/17/10 20:43
Calibration Check	0B17045-CCV6	0b17045-059	02/17/10 20:45
Calibration Blank	0B17045-CCB6	0b17045-060	02/17/10 20:51

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM012510B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B23006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B22027-CAL1	0b22027-001	02/22/10 13:31
Cal Standard	0B22027-CAL2	0b22027-002	02/22/10 13:35
Cal Standard	0B22027-CAL3	0b22027-003	02/22/10 13:39
Cal Standard	0B22027-CAL4	0b22027-004	02/22/10 13:43
Cal Standard	0B22027-CAL5	0b22027-005	02/22/10 13:47
Cal Standard	0B22027-CAL6	0b22027-006	02/22/10 13:51
Cal Standard	0B22027-CAL7	0b22027-007	02/22/10 13:55
Cal Standard	0B22027-CAL8	0b22027-008	02/22/10 13:59
Secondary Cal Check	0B22027-SCV1	0b22027-009	02/22/10 14:03
Calibration Check	0B22027-CCV1	0b22027-009	02/22/10 14:03
Calibration Blank	0B22027-CCB1	0b22027-010	02/22/10 14:12
MRL Check	0B22027-CRL1	0b22027-011	02/22/10 14:16
MRL Check	0B22027-CRL2	0b22027-012	02/22/10 14:20
Interference Check A	0B22027-IFA1	0b22027-013	02/22/10 14:24
Interference Check B	0B22027-IFB1	0b22027-014	02/22/10 14:28
Calibration Check	0B22027-CCV2	0b22027-015	02/22/10 14:32
Calibration Blank	0B22027-CCB2	0b22027-016	02/22/10 14:40
Serial Dilution	0B22027-SRD1	0b22027-022	02/22/10 15:07
Calibration Check	0B22027-CCV3	0b22027-027	02/22/10 15:29
Calibration Blank	0B22027-CCB3	0b22027-028	02/22/10 15:37
Serial Dilution	0B22027-SRD2	0b22027-035	02/22/10 16:02
Calibration Check	0B22027-CCV4	0b22027-039	02/22/10 16:21
Calibration Blank	0B22027-CCB4	0b22027-040	02/22/10 16:30
Calibration Check	0B22027-CCV5	0b22027-043	02/22/10 16:41
Calibration Blank	0B22027-CCB5	0b22027-044	02/22/10 16:49
Calibration Check	0B22027-CCV6	0b22027-055	02/22/10 18:35
Calibration Blank	0B22027-CCB6	0b22027-056	02/22/10 18:43
Serial Dilution	0B22027-SRD3	0b22027-063	02/22/10 19:18
Calibration Check	0B22027-CCV7	0b22027-066	02/22/10 19:33
Calibration Blank	0B22027-CCB7	0b22027-067	02/22/10 19:42
Serial Dilution	0B22027-SRD4	0b22027-073	02/22/10 20:20
Calibration Check	0B22027-CCV8	0b22027-078	02/22/10 20:42

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM012510B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B23006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	0B22027-CCB8	0b22027-079	02/22/10 20:51
Calibration Check	0B22027-CCV9	0b22027-087	02/22/10 21:19
Calibration Blank	0B22027-CCB9	0b22027-088	02/22/10 21:28
Blank	1001399-BLK2	0b22027-089	02/22/10 21:37
LCS	1001399-BS2	0b22027-090	02/22/10 21:41
S-SO-56394-CB-012510-129	1002144-01	0b22027-091	02/22/10 21:50
S-SO-56394-CB-012510-129	1002144-01	0b22027-091	02/22/10 21:50
S-SO-56394-CB-012510-129	1002144-01	0b22027-091	02/22/10 21:50
S-SO-56394-CB-012510-129	1002144-01	0b22027-091	02/22/10 21:50
S-SO-56394-CB-012510-129	1002144-01	0b22027-091	02/22/10 21:50
S-SO-56394-CB-012510-129	1002144-01	0b22027-091	02/22/10 21:50
S-SO-56394-CB-012510-129	1002144-01	0b22027-091	02/22/10 21:50
S-SO-56394-CB-012510-129	1002144-01	0b22027-091	02/22/10 21:50
S-SO-56394-CB-012510-129	1002144-01	0b22027-091	02/22/10 21:50
S-SO-56394-CB-012510-129	1002144-01	0b22027-091	02/22/10 21:50
S-SO-56394-CB-012510-133	1002144-02	0b22027-092	02/22/10 21:53
S-SO-56394-CB-012510-133	1002144-02	0b22027-092	02/22/10 21:53
S-SO-56394-CB-012510-133	1002144-02	0b22027-092	02/22/10 21:53
S-SO-56394-CB-012510-133	1002144-02	0b22027-092	02/22/10 21:53
S-SO-56394-CB-012510-133	1002144-02	0b22027-092	02/22/10 21:53
S-SO-56394-CB-012510-133	1002144-02	0b22027-092	02/22/10 21:53
S-SO-56394-CB-012510-133	1002144-02	0b22027-092	02/22/10 21:53
S-SO-56394-CB-012510-133	1002144-02	0b22027-092	02/22/10 21:53
S-SO-56394-CB-012510-137	1002144-03	0b22027-093	02/22/10 21:56
S-SO-56394-CB-012510-137	1002144-03	0b22027-093	02/22/10 21:56
S-SO-56394-CB-012510-137	1002144-03	0b22027-093	02/22/10 21:56
S-SO-56394-CB-012510-137	1002144-03	0b22027-093	02/22/10 21:56
S-SO-56394-CB-012510-137	1002144-03	0b22027-093	02/22/10 21:56
S-SO-56394-CB-012510-137	1002144-03	0b22027-093	02/22/10 21:56
S-SO-56394-CB-012510-137	1002144-03	0b22027-093	02/22/10 21:56

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM012510B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B23006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012510-144	1002144-04	0b22027-094	02/22/10 22:00
S-SO-56394-CB-012510-144	1002144-04	0b22027-094	02/22/10 22:00
S-SO-56394-CB-012510-144	1002144-04	0b22027-094	02/22/10 22:00
S-SO-56394-CB-012510-144	1002144-04	0b22027-094	02/22/10 22:00
S-SO-56394-CB-012510-144	1002144-04	0b22027-094	02/22/10 22:00
S-SO-56394-CB-012510-144	1002144-04	0b22027-094	02/22/10 22:00
S-SO-56394-CB-012510-144	1002144-04	0b22027-094	02/22/10 22:00
S-SO-56394-CB-012510-144	1002144-04	0b22027-094	02/22/10 22:00
S-SO-56394-CB-012510-144	1002144-04	0b22027-094	02/22/10 22:00
S-SO-56394-CB-012510-144	1002144-04	0b22027-094	02/22/10 22:00
S-SO-56394-CB-012510-144	1002144-04	0b22027-094	02/22/10 22:00
S-SO-56394-DR-012510-1069	1002144-05	0b22027-095	02/22/10 22:03
S-SO-56394-DR-012510-1069	1002144-05	0b22027-095	02/22/10 22:03
S-SO-56394-DR-012510-1069	1002144-05	0b22027-095	02/22/10 22:03
S-SO-56394-DR-012510-1069	1002144-05	0b22027-095	02/22/10 22:03
S-SO-56394-DR-012510-1069	1002144-05	0b22027-095	02/22/10 22:03
S-SO-56394-DR-012510-1069	1002144-05	0b22027-095	02/22/10 22:03
S-SO-56394-DR-012510-1069	1002144-05	0b22027-095	02/22/10 22:03
S-SO-56394-DR-012510-1069	1002144-05	0b22027-095	02/22/10 22:03
S-SO-56394-DR-012510-1069	1002144-05	0b22027-095	02/22/10 22:03
S-SO-56394-DR-012510-1059	1002144-06	0b22027-096	02/22/10 22:06
S-SO-56394-DR-012510-1059	1002144-06	0b22027-096	02/22/10 22:06
S-SO-56394-DR-012510-1059	1002144-06	0b22027-096	02/22/10 22:06
S-SO-56394-DR-012510-1059	1002144-06	0b22027-096	02/22/10 22:06
S-SO-56394-DR-012510-1059	1002144-06	0b22027-096	02/22/10 22:06
S-SO-56394-DR-012510-1059	1002144-06	0b22027-096	02/22/10 22:06
S-SO-56394-DR-012510-1059	1002144-06	0b22027-096	02/22/10 22:06
S-SO-56394-DR-012510-1059	1002144-06	0b22027-096	02/22/10 22:06
S-SO-56394-DR-012510-1059	1002144-06	0b22027-096	02/22/10 22:06
S-SO-56394-DR-012510-1059	1002144-06	0b22027-096	02/22/10 22:06

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM012510B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B23006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012510-143	1002144-07	0b22027-097	02/22/10 22:09
S-SO-56394-CB-012510-143	1002144-07	0b22027-097	02/22/10 22:09
S-SO-56394-CB-012510-143	1002144-07	0b22027-097	02/22/10 22:09
S-SO-56394-CB-012510-143	1002144-07	0b22027-097	02/22/10 22:09
S-SO-56394-CB-012510-143	1002144-07	0b22027-097	02/22/10 22:09
S-SO-56394-CB-012510-143	1002144-07	0b22027-097	02/22/10 22:09
S-SO-56394-CB-012510-143	1002144-07	0b22027-097	02/22/10 22:09
S-SO-56394-CB-012510-143	1002144-07	0b22027-097	02/22/10 22:09
S-SO-56394-CB-012510-143	1002144-07	0b22027-097	02/22/10 22:09
S-SO-56394-CB-012510-143	1002144-07	0b22027-097	02/22/10 22:09
S-SO-56394-CB-012510-143	1002144-07	0b22027-097	02/22/10 22:09
S-SO-56394-DR-012510-1063	1002144-08	0b22027-098	02/22/10 22:13
S-SO-56394-DR-012510-1063	1002144-08	0b22027-098	02/22/10 22:13
S-SO-56394-DR-012510-1063	1002144-08	0b22027-098	02/22/10 22:13
S-SO-56394-DR-012510-1063	1002144-08	0b22027-098	02/22/10 22:13
S-SO-56394-DR-012510-1063	1002144-08	0b22027-098	02/22/10 22:13
S-SO-56394-DR-012510-1063	1002144-08	0b22027-098	02/22/10 22:13
S-SO-56394-DR-012510-1063	1002144-08	0b22027-098	02/22/10 22:13
S-SO-56394-DR-012510-1063	1002144-08	0b22027-098	02/22/10 22:13
S-SO-56394-DR-012510-1063	1002144-08	0b22027-098	02/22/10 22:13
S-SO-56394-DR-012510-1063	1002144-08	0b22027-098	02/22/10 22:13
S-SO-56394-DR-012510-1063	1002144-08	0b22027-098	02/22/10 22:13
Calibration Check	0B22027-CCVA	0b22027-099	02/22/10 22:16
Calibration Blank	0B22027-CCBA	0b22027-100	02/22/10 22:24
S-SO-56394-CB-012610-153	1002144-09	0b22027-101	02/22/10 22:28
S-SO-56394-CB-012610-153	1002144-09	0b22027-101	02/22/10 22:28
S-SO-56394-CB-012610-153	1002144-09	0b22027-101	02/22/10 22:28
S-SO-56394-CB-012610-153	1002144-09	0b22027-101	02/22/10 22:28
S-SO-56394-CB-012610-153	1002144-09	0b22027-101	02/22/10 22:28
S-SO-56394-CB-012610-153	1002144-09	0b22027-101	02/22/10 22:28
S-SO-56394-CB-012610-153	1002144-09	0b22027-101	02/22/10 22:28

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM012510B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B23006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012610-153	1002144-09	0b22027-101	02/22/10 22:28
S-SO-56394-CB-012610-153	1002144-09	0b22027-101	02/22/10 22:28
S-SO-56394-CB-012610-153	1002144-09	0b22027-101	02/22/10 22:28
S-SO-56394-CB-012610-158	1002144-10	0b22027-102	02/22/10 22:31
S-SO-56394-CB-012610-158	1002144-10	0b22027-102	02/22/10 22:31
S-SO-56394-CB-012610-158	1002144-10	0b22027-102	02/22/10 22:31
S-SO-56394-CB-012610-158	1002144-10	0b22027-102	02/22/10 22:31
S-SO-56394-CB-012610-158	1002144-10	0b22027-102	02/22/10 22:31
S-SO-56394-CB-012610-158	1002144-10	0b22027-102	02/22/10 22:31
S-SO-56394-CB-012610-160	1002144-11	0b22027-103	02/22/10 22:34
S-SO-56394-CB-012610-160	1002144-11	0b22027-103	02/22/10 22:34
S-SO-56394-CB-012610-160	1002144-11	0b22027-103	02/22/10 22:34
S-SO-56394-CB-012610-160	1002144-11	0b22027-103	02/22/10 22:34
S-SO-56394-CB-012610-160	1002144-11	0b22027-103	02/22/10 22:34
S-SO-56394-CB-012610-160	1002144-11	0b22027-103	02/22/10 22:34
S-SO-56394-CB-012610-160	1002144-11	0b22027-103	02/22/10 22:34
S-SO-56394-CB-012610-160	1002144-11	0b22027-103	02/22/10 22:34
S-SO-56394-CB-012610-160	1002144-11	0b22027-103	02/22/10 22:34
S-SO-56394-CB-012610-160	1002144-11	0b22027-103	02/22/10 22:34
S-SO-56394-CB-012610-165	1002144-12	0b22027-104	02/22/10 22:37
S-SO-56394-CB-012610-165	1002144-12	0b22027-104	02/22/10 22:37
S-SO-56394-CB-012610-165	1002144-12	0b22027-104	02/22/10 22:37
S-SO-56394-CB-012610-165	1002144-12	0b22027-104	02/22/10 22:37
S-SO-56394-CB-012610-165	1002144-12	0b22027-104	02/22/10 22:37
S-SO-56394-CB-012610-165	1002144-12	0b22027-104	02/22/10 22:37
S-SO-56394-CB-012610-165	1002144-12	0b22027-104	02/22/10 22:37
S-SO-56394-CB-012610-165	1002144-12	0b22027-104	02/22/10 22:37
S-SO-56394-CB-012610-165	1002144-12	0b22027-104	02/22/10 22:37
S-SO-56394-CB-012610-165	1002144-12	0b22027-104	02/22/10 22:37
S-SO-56394-DR-012610-1078	1002144-13	0b22027-105	02/22/10 22:41

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM012510B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B23006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-DR-012610-1078	1002144-13	0b22027-105	02/22/10 22:41
S-SO-56394-DR-012610-1078	1002144-13	0b22027-105	02/22/10 22:41
S-SO-56394-DR-012610-1078	1002144-13	0b22027-105	02/22/10 22:41
S-SO-56394-DR-012610-1078	1002144-13	0b22027-105	02/22/10 22:41
S-SO-56394-DR-012610-1078	1002144-13	0b22027-105	02/22/10 22:41
S-SO-56394-DR-012610-1078	1002144-13	0b22027-105	02/22/10 22:41
S-SO-56394-DR-012610-1078	1002144-13	0b22027-105	02/22/10 22:41
S-SO-56394-DR-012610-1078	1002144-13	0b22027-105	02/22/10 22:41
S-SO-56394-DR-012610-1078	1002144-13	0b22027-105	02/22/10 22:41
S-SO-56394-DR-012610-1075	1002144-15	0b22027-106	02/22/10 22:44
S-SO-56394-DR-012610-1075	1002144-15	0b22027-106	02/22/10 22:44
S-SO-56394-DR-012610-1075	1002144-15	0b22027-106	02/22/10 22:44
S-SO-56394-DR-012610-1075	1002144-15	0b22027-106	02/22/10 22:44
S-SO-56394-DR-012610-1075	1002144-15	0b22027-106	02/22/10 22:44
S-SO-56394-DR-012610-1075	1002144-15	0b22027-106	02/22/10 22:44
S-SO-56394-DR-012610-1075	1002144-15	0b22027-106	02/22/10 22:44
S-SO-56394-DR-012610-1075	1002144-15	0b22027-106	02/22/10 22:44
S-SO-56394-DR-012610-1075	1002144-15	0b22027-106	02/22/10 22:44
S-SO-56394-DR-012610-1075	1002144-15	0b22027-106	02/22/10 22:44
S-SO-56394-CB-012610-166	1002144-16	0b22027-107	02/22/10 22:47
S-SO-56394-CB-012610-166	1002144-16	0b22027-107	02/22/10 22:47
S-SO-56394-CB-012610-166	1002144-16	0b22027-107	02/22/10 22:47
S-SO-56394-CB-012610-166	1002144-16	0b22027-107	02/22/10 22:47
S-SO-56394-CB-012610-166	1002144-16	0b22027-107	02/22/10 22:47
S-SO-56394-CB-012610-166	1002144-16	0b22027-107	02/22/10 22:47
S-SO-56394-CB-012610-166	1002144-16	0b22027-107	02/22/10 22:47
S-SO-56394-CB-012610-166	1002144-16	0b22027-107	02/22/10 22:47
S-SO-56394-CB-012610-166	1002144-16	0b22027-107	02/22/10 22:47
S-SO-56394-CB-012610-166	1002144-16	0b22027-107	02/22/10 22:47
S-SO-56394-CB-012710-168	1002144-17	0b22027-108	02/22/10 22:50

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM012510B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B23006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012710-168	1002144-17	0b22027-108	02/22/10 22:50
S-SO-56394-CB-012710-168	1002144-17	0b22027-108	02/22/10 22:50
S-SO-56394-CB-012710-168	1002144-17	0b22027-108	02/22/10 22:50
S-SO-56394-CB-012710-168	1002144-17	0b22027-108	02/22/10 22:50
S-SO-56394-CB-012710-168	1002144-17	0b22027-108	02/22/10 22:50
S-SO-56394-CB-012710-168	1002144-17	0b22027-108	02/22/10 22:50
S-SO-56394-CB-012710-168	1002144-17	0b22027-108	02/22/10 22:50
S-SO-56394-CB-012710-168	1002144-17	0b22027-108	02/22/10 22:50
S-SO-56394-CB-012710-168	1002144-17	0b22027-108	02/22/10 22:50
SD-SO-56394-CB-012710-168	1002144-18	0b22027-109	02/22/10 22:54
SD-SO-56394-CB-012710-168	1002144-18	0b22027-109	02/22/10 22:54
SD-SO-56394-CB-012710-168	1002144-18	0b22027-109	02/22/10 22:54
SD-SO-56394-CB-012710-168	1002144-18	0b22027-109	02/22/10 22:54
SD-SO-56394-CB-012710-168	1002144-18	0b22027-109	02/22/10 22:54
SD-SO-56394-CB-012710-168	1002144-18	0b22027-109	02/22/10 22:54
SD-SO-56394-CB-012710-168	1002144-18	0b22027-109	02/22/10 22:54
SD-SO-56394-CB-012710-168	1002144-18	0b22027-109	02/22/10 22:54
SD-SO-56394-CB-012710-168	1002144-18	0b22027-109	02/22/10 22:54
S-SO-56394-CB-012710-177	1002144-19	0b22027-110	02/22/10 22:57
S-SO-56394-CB-012710-177	1002144-19	0b22027-110	02/22/10 22:57
S-SO-56394-CB-012710-177	1002144-19	0b22027-110	02/22/10 22:57
S-SO-56394-CB-012710-177	1002144-19	0b22027-110	02/22/10 22:57
S-SO-56394-CB-012710-177	1002144-19	0b22027-110	02/22/10 22:57
S-SO-56394-CB-012710-177	1002144-19	0b22027-110	02/22/10 22:57
S-SO-56394-CB-012710-177	1002144-19	0b22027-110	02/22/10 22:57
Calibration Check	0B22027-CCVB	0b22027-111	02/22/10 23:00
Calibration Blank	0B22027-CCBB	0b22027-112	02/22/10 23:09
S-SO-56394-CB-012710-177	1001399-MS2	0b22027-113	02/22/10 23:12
S-SO-56394-CB-012710-177	1001399-MSD2	0b22027-114	02/22/10 23:15
S-SO-56394-CB-012710-177	0B22027-SRD5	0b22027-115	02/22/10 23:24
S-SO-56394-CB-012710-177	1001399-PS2	0b22027-116	02/22/10 23:27
Blank	1001400-BLK2	0b22027-117	02/22/10 23:35

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM012510B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B23006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	1001400-BS2	0b22027-118	02/22/10 23:39
S-SO-56394-CB-012710-180	1002144-20	0b22027-119	02/22/10 23:47
S-SO-56394-CB-012710-180	1002144-20	0b22027-119	02/22/10 23:47
S-SO-56394-CB-012710-180	1002144-20	0b22027-119	02/22/10 23:47
S-SO-56394-CB-012710-180	1002144-20	0b22027-119	02/22/10 23:47
S-SO-56394-CB-012710-180	1002144-20	0b22027-119	02/22/10 23:47
S-SO-56394-CB-012710-180	1002144-20	0b22027-119	02/22/10 23:47
S-SO-56394-CB-012710-180	1002144-20	0b22027-119	02/22/10 23:47
S-SO-56394-CB-012710-180	1001400-MS2	0b22027-120	02/22/10 23:50
S-SO-56394-CB-012710-180	1001400-MSD2	0b22027-121	02/22/10 23:54
S-SO-56394-CB-012710-180	0B22027-SRD6	0b22027-122	02/23/10 00:02
Calibration Check	0B22027-CCVC	0b22027-123	02/23/10 00:05
Calibration Blank	0B22027-CCBC	0b22027-124	02/23/10 00:14
S-SO-56394-CB-012710-180	1001400-PS2	0b22027-125	02/23/10 00:17
S-SO-56394-CB-012710-182	1002144-21	0b22027-126	02/23/10 00:26
S-SO-56394-CB-012710-182	1002144-21	0b22027-126	02/23/10 00:26
S-SO-56394-CB-012710-182	1002144-21	0b22027-126	02/23/10 00:26
S-SO-56394-CB-012710-182	1002144-21	0b22027-126	02/23/10 00:26
S-SO-56394-CB-012710-182	1002144-21	0b22027-126	02/23/10 00:26
S-SO-56394-CB-012710-182	1002144-21	0b22027-126	02/23/10 00:26
S-SO-56394-CB-012710-182	1002144-21	0b22027-126	02/23/10 00:26
S-SO-56394-CB-012710-183	1002144-22	0b22027-127	02/23/10 00:29
S-SO-56394-CB-012710-183	1002144-22	0b22027-127	02/23/10 00:29
S-SO-56394-CB-012710-183	1002144-22	0b22027-127	02/23/10 00:29
S-SO-56394-CB-012710-183	1002144-22	0b22027-127	02/23/10 00:29
S-SO-56394-CB-012710-183	1002144-22	0b22027-127	02/23/10 00:29
S-SO-56394-CB-012710-183	1002144-22	0b22027-127	02/23/10 00:29
S-SO-56394-CB-012710-183	1002144-22	0b22027-127	02/23/10 00:29
S-SO-56394-CB-012710-183	1002144-22	0b22027-127	02/23/10 00:29
S-SO-56394-CB-012810-189	1002144-23	0b22027-128	02/23/10 00:32
S-SO-56394-CB-012810-189	1002144-23	0b22027-128	02/23/10 00:32

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM012510B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B23006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012810-189	1002144-23	0b22027-128	02/23/10 00:32
S-SO-56394-CB-012810-189	1002144-23	0b22027-128	02/23/10 00:32
S-SO-56394-CB-012810-189	1002144-23	0b22027-128	02/23/10 00:32
S-SO-56394-CB-012810-189	1002144-23	0b22027-128	02/23/10 00:32
S-SO-56394-CB-012810-189	1002144-23	0b22027-128	02/23/10 00:32
S-SO-56394-CB-012810-189	1002144-23	0b22027-128	02/23/10 00:32
S-SO-56394-CB-012810-189	1002144-23	0b22027-128	02/23/10 00:32
S-SO-56394-CB-012810-189	1002144-23	0b22027-128	02/23/10 00:32
SD-SO-56394-CB-012810-189	1002144-24	0b22027-129	02/23/10 00:35
SD-SO-56394-CB-012810-189	1002144-24	0b22027-129	02/23/10 00:35
SD-SO-56394-CB-012810-189	1002144-24	0b22027-129	02/23/10 00:35
SD-SO-56394-CB-012810-189	1002144-24	0b22027-129	02/23/10 00:35
SD-SO-56394-CB-012810-189	1002144-24	0b22027-129	02/23/10 00:35
SD-SO-56394-CB-012810-189	1002144-24	0b22027-129	02/23/10 00:35
SD-SO-56394-CB-012810-189	1002144-24	0b22027-129	02/23/10 00:35
SD-SO-56394-CB-012810-189	1002144-24	0b22027-129	02/23/10 00:35
SD-SO-56394-CB-012810-189	1002144-24	0b22027-129	02/23/10 00:35
SD-SO-56394-CB-012810-189	1002144-24	0b22027-129	02/23/10 00:35
S-SO-56394-CB-012810-190	1002144-25	0b22027-130	02/23/10 00:39
S-SO-56394-CB-012810-190	1002144-25	0b22027-130	02/23/10 00:39
S-SO-56394-CB-012810-190	1002144-25	0b22027-130	02/23/10 00:39
S-SO-56394-CB-012810-190	1002144-25	0b22027-130	02/23/10 00:39
S-SO-56394-CB-012810-190	1002144-25	0b22027-130	02/23/10 00:39
S-SO-56394-CB-012810-190	1002144-25	0b22027-130	02/23/10 00:39
S-SO-56394-CB-012810-190	1002144-25	0b22027-130	02/23/10 00:39
S-SO-56394-CB-012810-190	1002144-25	0b22027-130	02/23/10 00:39
S-SO-56394-CB-012810-190	1002144-25	0b22027-130	02/23/10 00:39
Calibration Check	0B22027-CCVD	0b22027-131	02/23/10 00:42
Calibration Blank	0B22027-CCBD	0b22027-132	02/23/10 00:50

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B23045

SDG: PM012510B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B24001

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B23045-CAL1	0b23045-001	02/23/10 14:45
Cal Standard	0B23045-CAL2	0b23045-002	02/23/10 14:47
Cal Standard	0B23045-CAL3	0b23045-003	02/23/10 14:50
Cal Standard	0B23045-CAL4	0b23045-004	02/23/10 14:52
Cal Standard	0B23045-CAL5	0b23045-005	02/23/10 14:55
Cal Standard	0B23045-CAL6	0b23045-006	02/23/10 14:57
Cal Standard	0B23045-CAL7	0b23045-007	02/23/10 15:00
Secondary Cal Check	0B23045-SCV1	0b23045-008	02/23/10 15:03
Calibration Check	0B23045-CCV1	0b23045-008	02/23/10 15:03
Calibration Blank	0B23045-CCB1	0b23045-009	02/23/10 15:05
MRL Check	0B23045-CRL1	0b23045-010	02/23/10 15:08
Interference Check A	0B23045-IFA1	0b23045-011	02/23/10 15:10
Interference Check B	0B23045-IFB1	0b23045-012	02/23/10 15:13
Calibration Check	0B23045-CCV2	0b23045-013	02/23/10 15:15
Calibration Blank	0B23045-CCB2	0b23045-014	02/23/10 15:18
S-SO-56394-CB-012610-158	1002144-10	0b23045-015	02/23/10 15:20
Calibration Check	0B23045-CCV3	0b23045-016	02/23/10 15:22
Calibration Blank	0B23045-CCB3	0b23045-017	02/23/10 15:25

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B17045
Instrument ID:201
Control Limt: +/- 10.00%
Calibration: 0B17015

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B17045-CCV1	Chromium	40.0	40.5	101	ug/L	02/17/10 17:52
	Cobalt	40.0	41.7	104	ug/L	02/17/10 17:52
	Copper	40.0	41.1	103	ug/L	02/17/10 17:52
	Selenium	40.0	40.1	100	ug/L	02/17/10 17:52
	Silver	40.0	41.1	103	ug/L	02/17/10 17:52
	Zinc	40.0	40.5	101	ug/L	02/17/10 17:52
0B17045-CCV2	Chromium	40.0	41.0	103	ug/L	02/17/10 18:15
	Cobalt	40.0	41.3	103	ug/L	02/17/10 18:15
	Copper	40.0	40.4	101	ug/L	02/17/10 18:15
	Selenium	40.0	38.8	97	ug/L	02/17/10 18:15
	Silver	40.0	40.3	101	ug/L	02/17/10 18:15
	Zinc	40.0	40.3	101	ug/L	02/17/10 18:15
0B17045-CCV3	Chromium	40.0	41.3	103	ug/L	02/17/10 18:53
	Cobalt	40.0	40.6	102	ug/L	02/17/10 18:53
	Copper	40.0	39.9	100	ug/L	02/17/10 18:53
	Selenium	40.0	38.7	97	ug/L	02/17/10 18:53
	Silver	40.0	40.5	101	ug/L	02/17/10 18:53
	Zinc	40.0	40.0	100	ug/L	02/17/10 18:53
0B17045-CCV4	Chromium	40.0	40.6	101	ug/L	02/17/10 19:29
	Cobalt	40.0	41.2	103	ug/L	02/17/10 19:29
	Copper	40.0	40.4	101	ug/L	02/17/10 19:29
	Selenium	40.0	39.5	99	ug/L	02/17/10 19:29
	Silver	40.0	39.5	99	ug/L	02/17/10 19:29
	Zinc	40.0	40.1	100	ug/L	02/17/10 19:29
0B17045-CCV5	Chromium	40.0	40.1	100	ug/L	02/17/10 20:19
	Cobalt	40.0	40.6	102	ug/L	02/17/10 20:19
	Copper	40.0	40.2	101	ug/L	02/17/10 20:19
	Selenium	40.0	39.4	99	ug/L	02/17/10 20:19
	Silver	40.0	40.3	101	ug/L	02/17/10 20:19
	Zinc	40.0	40.2	101	ug/L	02/17/10 20:19
0B17045-CCV6	Chromium	40.0	39.9	100	ug/L	02/17/10 20:45
	Cobalt	40.0	40.1	100	ug/L	02/17/10 20:45
	Copper	40.0	39.7	99	ug/L	02/17/10 20:45
	Selenium	40.0	38.8	97	ug/L	02/17/10 20:45
	Silver	40.0	40.2	100	ug/L	02/17/10 20:45
	Zinc	40.0	39.8	99	ug/L	02/17/10 20:45

* Values outside of QC limits

: 00312

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B22027
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0B23006

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B22027-CCV1	Antimony	40.0	37.6	94	ug/L	02/22/10 14:03
	Arsenic	40.0	39.8	100	ug/L	02/22/10 14:03
	Beryllium	40.0	37.7	94	ug/L	02/22/10 14:03
	Cadmium	40.0	38.2	96	ug/L	02/22/10 14:03
	Copper	40.0	38.7	97	ug/L	02/22/10 14:03
	Lead	40.0	38.0	95	ug/L	02/22/10 14:03
	Selenium	40.0	38.0	95	ug/L	02/22/10 14:03
	Silver	40.0	38.9	97	ug/L	02/22/10 14:03
	Thallium	40.0	38.0	95	ug/L	02/22/10 14:03
	Vanadium	40.0	37.5	94	ug/L	02/22/10 14:03
	Zinc	40.0	38.9	97	ug/L	02/22/10 14:03
0B22027-CCV2	Antimony	40.0	37.2	93	ug/L	02/22/10 14:32
	Arsenic	40.0	39.4	99	ug/L	02/22/10 14:32
	Cadmium	40.0	37.2	93	ug/L	02/22/10 14:32
	Copper	40.0	38.7	97	ug/L	02/22/10 14:32
	Lead	40.0	38.1	95	ug/L	02/22/10 14:32
	Selenium	40.0	37.8	95	ug/L	02/22/10 14:32
	Silver	40.0	38.2	96	ug/L	02/22/10 14:32
	Thallium	40.0	38.3	96	ug/L	02/22/10 14:32
	Vanadium	40.0	37.0	93	ug/L	02/22/10 14:32
	Zinc	40.0	38.6	96	ug/L	02/22/10 14:32
0B22027-CCV3	Antimony	40.0	36.6	91	ug/L	02/22/10 15:29
	Arsenic	40.0	39.7	99	ug/L	02/22/10 15:29
	Cadmium	40.0	37.2	93	ug/L	02/22/10 15:29
	Copper	40.0	38.8	97	ug/L	02/22/10 15:29
	Lead	40.0	38.3	96	ug/L	02/22/10 15:29
	Selenium	40.0	38.0	95	ug/L	02/22/10 15:29
	Silver	40.0	38.3	96	ug/L	02/22/10 15:29
	Thallium	40.0	37.8	95	ug/L	02/22/10 15:29
	Vanadium	40.0	36.7	92	ug/L	02/22/10 15:29
	Zinc	40.0	38.3	96	ug/L	02/22/10 15:29
0B22027-CCV4	Antimony	40.0	35.8	90	ug/L	02/22/10 16:21
	Arsenic	40.0	38.5	96	ug/L	02/22/10 16:21
	Cadmium	40.0	37.0	93	ug/L	02/22/10 16:21
	Copper	40.0	38.9	97	ug/L	02/22/10 16:21
	Lead	40.0	38.0	95	ug/L	02/22/10 16:21
	Selenium	40.0	37.5	94	ug/L	02/22/10 16:21
	Silver	40.0	38.0	95	ug/L	02/22/10 16:21

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B22027
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0B23006

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B22027-CCV4	Thallium	40.0	37.8	95	ug/L	02/22/10 16:21
	Vanadium	40.0	36.7	92	ug/L	02/22/10 16:21
	Zinc	40.0	37.7	94	ug/L	02/22/10 16:21
0B22027-CCV5	Antimony	40.0	36.6	91	ug/L	02/22/10 16:41
	Arsenic	40.0	39.1	98	ug/L	02/22/10 16:41
	Beryllium	40.0	36.1	90	ug/L	02/22/10 16:41
	Cadmium	40.0	37.2	93	ug/L	02/22/10 16:41
	Copper	40.0	39.5	99	ug/L	02/22/10 16:41
	Lead	40.0	38.0	95	ug/L	02/22/10 16:41
	Selenium	40.0	37.7	94	ug/L	02/22/10 16:41
	Silver	40.0	38.1	95	ug/L	02/22/10 16:41
	Thallium	40.0	38.2	95	ug/L	02/22/10 16:41
	Vanadium	40.0	37.6	94	ug/L	02/22/10 16:41
	Zinc	40.0	38.6	96	ug/L	02/22/10 16:41
0B22027-CCV6	Antimony	40.0	36.3	91	ug/L	02/22/10 18:35
	Arsenic	40.0	39.0	97	ug/L	02/22/10 18:35
	Beryllium	40.0	36.5	91	ug/L	02/22/10 18:35
	Cadmium	40.0	37.7	94	ug/L	02/22/10 18:35
	Copper	40.0	38.8	97	ug/L	02/22/10 18:35
	Lead	40.0	38.1	95	ug/L	02/22/10 18:35
	Selenium	40.0	37.6	94	ug/L	02/22/10 18:35
	Silver	40.0	38.6	96	ug/L	02/22/10 18:35
	Thallium	40.0	38.5	96	ug/L	02/22/10 18:35
	Vanadium	40.0	37.0	93	ug/L	02/22/10 18:35
	Zinc	40.0	38.2	96	ug/L	02/22/10 18:35
0B22027-CCV7	Antimony	40.0	36.0	90	ug/L	02/22/10 19:33
	Arsenic	40.0	39.8	99	ug/L	02/22/10 19:33
	Beryllium	40.0	36.0	90	ug/L	02/22/10 19:33
	Cadmium	40.0	37.0	93	ug/L	02/22/10 19:33
	Copper	40.0	39.7	99	ug/L	02/22/10 19:33
	Lead	40.0	38.1	95	ug/L	02/22/10 19:33
	Selenium	40.0	38.5	96	ug/L	02/22/10 19:33
	Silver	40.0	38.2	95	ug/L	02/22/10 19:33
	Thallium	40.0	38.4	96	ug/L	02/22/10 19:33
	Vanadium	40.0	37.6	94	ug/L	02/22/10 19:33
	Zinc	40.0	38.6	97	ug/L	02/22/10 19:33
0B22027-CCV8	Antimony	40.0	36.5	91	ug/L	02/22/10 20:42
	Arsenic	40.0	39.5	99	ug/L	02/22/10 20:42

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B22027
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0B23006

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B22027-CCV8	Beryllium	40.0	36.7	92	ug/L	02/22/10 20:42
	Cadmium	40.0	37.1	93	ug/L	02/22/10 20:42
	Copper	40.0	39.4	98	ug/L	02/22/10 20:42
	Lead	40.0	38.2	96	ug/L	02/22/10 20:42
	Selenium	40.0	37.8	94	ug/L	02/22/10 20:42
	Silver	40.0	38.5	96	ug/L	02/22/10 20:42
	Thallium	40.0	38.0	95	ug/L	02/22/10 20:42
	Vanadium	40.0	37.8	95	ug/L	02/22/10 20:42
	Zinc	40.0	39.0	97	ug/L	02/22/10 20:42
0B22027-CCV9	Antimony	40.0	36.3	91	ug/L	02/22/10 21:19
	Arsenic	40.0	38.9	97	ug/L	02/22/10 21:19
	Beryllium	40.0	37.6	94	ug/L	02/22/10 21:19
	Cadmium	40.0	37.3	93	ug/L	02/22/10 21:19
	Copper	40.0	39.0	98	ug/L	02/22/10 21:19
	Lead	40.0	37.8	94	ug/L	02/22/10 21:19
	Selenium	40.0	37.1	93	ug/L	02/22/10 21:19
	Silver	40.0	38.6	97	ug/L	02/22/10 21:19
	Thallium	40.0	37.8	95	ug/L	02/22/10 21:19
	Vanadium	40.0	37.2	93	ug/L	02/22/10 21:19
	Zinc	40.0	38.4	96	ug/L	02/22/10 21:19
0B22027-CCVA	Antimony	40.0	36.3	91	ug/L	02/22/10 22:16
	Arsenic	40.0	39.4	98	ug/L	02/22/10 22:16
	Beryllium	40.0	37.5	94	ug/L	02/22/10 22:16
	Cadmium	40.0	37.7	94	ug/L	02/22/10 22:16
	Copper	40.0	39.5	99	ug/L	02/22/10 22:16
	Lead	40.0	37.8	95	ug/L	02/22/10 22:16
	Selenium	40.0	37.9	95	ug/L	02/22/10 22:16
	Silver	40.0	38.6	97	ug/L	02/22/10 22:16
	Thallium	40.0	38.4	96	ug/L	02/22/10 22:16
	Vanadium	40.0	37.6	94	ug/L	02/22/10 22:16
	Zinc	40.0	38.3	96	ug/L	02/22/10 22:16
0B22027-CCVB	Antimony	40.0	36.7	92	ug/L	02/22/10 23:00
	Arsenic	40.0	38.6	96	ug/L	02/22/10 23:00
	Beryllium	40.0	37.1	93	ug/L	02/22/10 23:00
	Cadmium	40.0	38.0	95	ug/L	02/22/10 23:00
	Copper	40.0	39.2	98	ug/L	02/22/10 23:00
	Lead	40.0	38.4	96	ug/L	02/22/10 23:00
	Selenium	40.0	37.8	94	ug/L	02/22/10 23:00

: 00315

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B22027
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0B23006

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B22027-CCVB	Silver	40.0	39.0	98	ug/L	02/22/10 23:00
	Thallium	40.0	38.5	96	ug/L	02/22/10 23:00
	Vanadium	40.0	37.4	93	ug/L	02/22/10 23:00
	Zinc	40.0	38.7	97	ug/L	02/22/10 23:00
0B22027-CCVC	Antimony	40.0	36.8	92	ug/L	02/23/10 00:05
	Arsenic	40.0	39.3	98	ug/L	02/23/10 00:05
	Beryllium	40.0	37.3	93	ug/L	02/23/10 00:05
	Cadmium	40.0	37.3	93	ug/L	02/23/10 00:05
	Copper	40.0	39.0	97	ug/L	02/23/10 00:05
	Lead	40.0	38.1	95	ug/L	02/23/10 00:05
	Selenium	40.0	37.8	94	ug/L	02/23/10 00:05
	Silver	40.0	38.4	96	ug/L	02/23/10 00:05
	Thallium	40.0	38.2	95	ug/L	02/23/10 00:05
	Vanadium	40.0	37.7	94	ug/L	02/23/10 00:05
	Zinc	40.0	38.6	97	ug/L	02/23/10 00:05
0B22027-CCVD	Antimony	40.0	36.1	90	ug/L	02/23/10 00:42
	Arsenic	40.0	39.1	98	ug/L	02/23/10 00:42
	Beryllium	40.0	37.5	94	ug/L	02/23/10 00:42
	Cadmium	40.0	36.9	92	ug/L	02/23/10 00:42
	Copper	40.0	39.5	99	ug/L	02/23/10 00:42
	Lead	40.0	38.1	95	ug/L	02/23/10 00:42
	Selenium	40.0	37.3	93	ug/L	02/23/10 00:42
	Silver	40.0	38.3	96	ug/L	02/23/10 00:42
	Thallium	40.0	38.2	96	ug/L	02/23/10 00:42
	Vanadium	40.0	37.8	94	ug/L	02/23/10 00:42
	Zinc	40.0	38.7	97	ug/L	02/23/10 00:42

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B23045
Control Limt: +/- 10.00%

SDG: PM012510B
Project: Plainwell Mill
Instrument ID: 114
Calibration: 0B24001

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B23045-CCV1	Lead	40.0	39.4	99	ug/L	02/23/10 15:03
0B23045-CCV2	Lead	40.0	39.1	98	ug/L	02/23/10 15:15
0B23045-CCV3	Lead	40.0	38.8	97	ug/L	02/23/10 15:22

* Values outside of QC limits

00317

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B17045
Instrument: 201
Laboratory ID: 0B17045-SCV1
Calibration: 0B17015

Analyte	Expected	Found	% R	QC Limit	Units
Chromium	40.0	40.5	101	90-110	ug/L
Cobalt	40.0	41.7	104	90-110	ug/L
Copper	40.0	41.1	103	90-110	ug/L
Selenium	40.0	40.1	100	90-110	ug/L
Silver	40.0	41.1	103	90-110	ug/L
Zinc	40.0	40.5	101	90-110	ug/L

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. **SDG:** PM012510B

Client: SulTRAC **Project:** Plainwell Mill

Sequence: 0B22027 **Instrument:** 114

Laboratory ID: 0B22027-SCV1 **Calibration:** 0B23006

Analyte	Expected	Found	% R	QC Limit	Units
Antimony	40.0	37.6	94	90-110	ug/L
Arsenic	40.0	39.8	100	90-110	ug/L
Beryllium	40.0	37.7	94	90-110	ug/L
Cadmium	40.0	38.2	96	90-110	ug/L
Copper	40.0	38.7	97	90-110	ug/L
Lead	40.0	38.0	95	90-110	ug/L
Selenium	40.0	38.0	95	90-110	ug/L
Silver	40.0	38.9	97	90-110	ug/L
Thallium	40.0	38.0	95	90-110	ug/L
Vanadium	40.0	37.5	94	90-110	ug/L
Zinc	40.0	38.9	97	90-110	ug/L

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. **SDG:** PM012510B

Client: SulTRAC **Project:** Plainwell Mill

Sequence: 0B23045 **Instrument:** 114

Laboratory ID: 0B23045-SCV1 **Calibration:** 0B24001

Analyte	Expected	Found	% R	QC Limit	Units
Lead	40.0	39.4	99	90-110	ug/L

* Values outside of QC limits

: 00320

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B17045

SDG: PM012510B

Project: Plainwell Mill

Instrument ID: 201

Calibration: 0B17015

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B17045-CRL1	Silver	0.200	0.212	106	ug/L	50 - 150
0B17045-CRL2	Chromium	1.00	0.956	96	ug/L	50 - 150
	Cobalt	1.00	1.03	103	ug/L	50 - 150
	Copper	1.00	1.03	103	ug/L	50 - 150
	Selenium	1.00	0.778	78	ug/L	50 - 150
	Zinc	1.00	1.01	101	ug/L	50 - 150

* Values outside of QC limits

00321

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B22027

SDG: PM012510B

Project: Plainwell Mill

Instrument ID: 114

Calibration: 0B23006

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B22027-CRL1	Cadmium	0.200	0.212	106	ug/L	50 - 150
	Silver	0.200	0.186	93	ug/L	50 - 150
	Thallium	0.200	0.202	101	ug/L	50 - 150
0B22027-CRL2	Antimony	1.00	1.00	100	ug/L	50 - 150
	Arsenic	1.00	0.934	93	ug/L	50 - 150
	Beryllium	1.00	1.03	103	ug/L	50 - 150
	Copper	1.00	1.02	102	ug/L	50 - 150
	Lead	1.00	0.998	100	ug/L	50 - 150
	Selenium	1.00	0.976	98	ug/L	50 - 150
	Vanadium	1.00	0.948	95	ug/L	50 - 150
	Zinc	1.00	1.00	100	ug/L	50 - 150

* Values outside of QC limits

00322

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510B

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0B23045

Instrument ID: 114

Calibration: 0B24001

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B23045-CRL1	Lead	1.00	1.02	102	ug/L	50 - 150

* Values outside of QC limits

: 00323

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B17045
Instrument ID: 201
Calibration: 0B17015

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B17045-CCB1	Chromium	-0.067	1.0	0.091	ug/L	U	02/17/10 17:57
	Cobalt	-0.00027	0.20	0.0084	ug/L	U	02/17/10 17:57
	Copper	0.0022	0.40	0.14	ug/L	U	02/17/10 17:57
	Selenium	-0.13	0.40	0.16	ug/L	U	02/17/10 17:57
	Silver	0.0030	0.040	0.012	ug/L	U	02/17/10 17:57
	Zinc	-0.0050	10	0.58	ug/L	U	02/17/10 17:57
0B17045-CCB2	Chromium	-0.11	1.0	0.091	ug/L	J	02/17/10 18:20
	Cobalt	-0.00084	0.20	0.0084	ug/L	U	02/17/10 18:20
	Copper	0.0023	0.40	0.14	ug/L	U	02/17/10 18:20
	Selenium	-0.18	0.40	0.16	ug/L	J	02/17/10 18:20
	Silver	0.0024	0.040	0.012	ug/L	U	02/17/10 18:20
	Zinc	-0.0094	10	0.58	ug/L	U	02/17/10 18:20
0B17045-CCB3	Chromium	-0.088	1.0	0.091	ug/L	U	02/17/10 18:58
	Cobalt	-0.0010	0.20	0.0084	ug/L	U	02/17/10 18:58
	Copper	0.0031	0.40	0.14	ug/L	U	02/17/10 18:58
	Selenium	-0.24	0.40	0.16	ug/L	J	02/17/10 18:58
	Silver	0.0020	0.040	0.012	ug/L	U	02/17/10 18:58
	Zinc	-0.0017	10	0.58	ug/L	U	02/17/10 18:58
0B17045-CCB4	Chromium	-0.12	1.0	0.091	ug/L	J	02/17/10 19:34
	Cobalt	-0.00050	0.20	0.0084	ug/L	U	02/17/10 19:34
	Copper	0.0056	0.40	0.14	ug/L	U	02/17/10 19:34
	Selenium	-0.24	0.40	0.16	ug/L	J	02/17/10 19:34
	Silver	0.0027	0.040	0.012	ug/L	U	02/17/10 19:34
	Zinc	-0.0079	10	0.58	ug/L	U	02/17/10 19:34
0B17045-CCB5	Chromium	-0.15	1.0	0.091	ug/L	J	02/17/10 20:24
	Cobalt	-0.00024	0.20	0.0084	ug/L	U	02/17/10 20:24
	Copper	0.0016	0.40	0.14	ug/L	U	02/17/10 20:24
	Selenium	-0.080	0.40	0.16	ug/L	U	02/17/10 20:24
	Silver	0.0031	0.040	0.012	ug/L	U	02/17/10 20:24
	Zinc	0.00039	10	0.58	ug/L	U	02/17/10 20:24
0B17045-CCB6	Chromium	-0.14	1.0	0.091	ug/L	J	02/17/10 20:51
	Cobalt	-0.000073	0.20	0.0084	ug/L	U	02/17/10 20:51
	Copper	0.00082	0.40	0.14	ug/L	U	02/17/10 20:51

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B17045

SDG: PM012510B
Project: Plainwell Mill
Instrument ID: 201
Calibration: 0B17015

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B17045-CCB6	Selenium	0.0036	0.40	0.16	ug/L	U	02/17/10 20:51
	Silver	0.0026	0.040	0.012	ug/L	U	02/17/10 20:51
	Zinc	-0.0027	10	0.58	ug/L	U	02/17/10 20:51

* Values outside of QC limits

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM012510B
Project: Plainwell Mill
Instrument ID: 114
Calibration: 0B23006

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B22027-CCB1	Antimony	0.11	0.20	0.071	ug/L	J	02/22/10 14:12
	Arsenic	0.012	0.20	0.076	ug/L	U	02/22/10 14:12
	Beryllium	-0.0026	0.20	0.060	ug/L	U	02/22/10 14:12
	Cadmium	0.0033	0.040	0.011	ug/L	U	02/22/10 14:12
	Copper	0.0025	0.40	0.14	ug/L	U	02/22/10 14:12
	Lead	-0.00086	0.20	0.043	ug/L	U	02/22/10 14:12
	Selenium	0.083	0.40	0.16	ug/L	U	02/22/10 14:12
	Silver	0.0097	0.040	0.012	ug/L	U	02/22/10 14:12
	Thallium	0.00019	0.20	0.011	ug/L	U	02/22/10 14:12
	Vanadium	-0.011	0.20	0.056	ug/L	U	02/22/10 14:12
	Zinc	-0.0058	10	0.58	ug/L	U	02/22/10 14:12
0B22027-CCB2	Antimony	0.088	0.20	0.071	ug/L	J	02/22/10 14:40
	Arsenic	-0.053	0.20	0.076	ug/L	U	02/22/10 14:40
	Cadmium	0.0039	0.040	0.011	ug/L	U	02/22/10 14:40
	Copper	0.0047	0.40	0.14	ug/L	U	02/22/10 14:40
	Lead	-0.0013	0.20	0.043	ug/L	U	02/22/10 14:40
	Selenium	0.033	0.40	0.16	ug/L	U	02/22/10 14:40
	Silver	0.0072	0.040	0.012	ug/L	U	02/22/10 14:40
	Thallium	-0.00071	0.20	0.011	ug/L	U	02/22/10 14:40
	Vanadium	-0.045	0.20	0.056	ug/L	U	02/22/10 14:40
	Zinc	0.0053	10	0.58	ug/L	U	02/22/10 14:40
0B22027-CCB3	Antimony	0.084	0.20	0.071	ug/L	J	02/22/10 15:37
	Arsenic	-0.016	0.20	0.076	ug/L	U	02/22/10 15:37
	Cadmium	0.00067	0.040	0.011	ug/L	U	02/22/10 15:37
	Copper	0.0023	0.40	0.14	ug/L	U	02/22/10 15:37
	Lead	-0.0014	0.20	0.043	ug/L	U	02/22/10 15:37
	Selenium	0.058	0.40	0.16	ug/L	U	02/22/10 15:37
	Silver	0.0069	0.040	0.012	ug/L	U	02/22/10 15:37
	Thallium	-0.0011	0.20	0.011	ug/L	U	02/22/10 15:37
	Vanadium	-0.026	0.20	0.056	ug/L	U	02/22/10 15:37
	Zinc	0.017	10	0.58	ug/L	U	02/22/10 15:37
0B22027-CCB4	Antimony	0.082	0.20	0.071	ug/L	J	02/22/10 16:30
	Arsenic	-0.12	0.20	0.076	ug/L	J	02/22/10 16:30

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B22027
Instrument ID: 114
Calibration: 0B23006

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B22027-CCB4	Cadmium	0.0029	0.040	0.011	ug/L	U	02/22/10 16:30
	Copper	-0.00080	0.40	0.14	ug/L	U	02/22/10 16:30
	Lead	-0.0020	0.20	0.043	ug/L	U	02/22/10 16:30
	Selenium	-0.13	0.40	0.16	ug/L	U	02/22/10 16:30
	Silver	0.0069	0.040	0.012	ug/L	U	02/22/10 16:30
	Thallium	0.00025	0.20	0.011	ug/L	U	02/22/10 16:30
	Vanadium	-0.048	0.20	0.056	ug/L	U	02/22/10 16:30
	Zinc	0.0078	10	0.58	ug/L	U	02/22/10 16:30
0B22027-CCB5	Antimony	0.089	0.20	0.071	ug/L	J	02/22/10 16:49
	Arsenic	-0.12	0.20	0.076	ug/L	J	02/22/10 16:49
	Beryllium	-0.0028	0.20	0.060	ug/L	U	02/22/10 16:49
	Cadmium	0.0033	0.040	0.011	ug/L	U	02/22/10 16:49
	Copper	-0.0030	0.40	0.14	ug/L	U	02/22/10 16:49
	Lead	-0.00050	0.20	0.043	ug/L	U	02/22/10 16:49
	Selenium	-0.0029	0.40	0.16	ug/L	U	02/22/10 16:49
	Silver	0.0064	0.040	0.012	ug/L	U	02/22/10 16:49
	Thallium	-0.00024	0.20	0.011	ug/L	U	02/22/10 16:49
	Vanadium	-0.044	0.20	0.056	ug/L	U	02/22/10 16:49
	Zinc	0.0022	10	0.58	ug/L	U	02/22/10 16:49
0B22027-CCB6	Antimony	0.079	0.20	0.071	ug/L	J	02/22/10 18:43
	Arsenic	-0.098	0.20	0.076	ug/L	J	02/22/10 18:43
	Beryllium	0.0034	0.20	0.060	ug/L	U	02/22/10 18:43
	Cadmium	0.0053	0.040	0.011	ug/L	U	02/22/10 18:43
	Copper	-0.00085	0.40	0.14	ug/L	U	02/22/10 18:43
	Lead	-0.00069	0.20	0.043	ug/L	U	02/22/10 18:43
	Selenium	-0.0023	0.40	0.16	ug/L	U	02/22/10 18:43
	Silver	0.0056	0.040	0.012	ug/L	U	02/22/10 18:43
	Thallium	0.000022	0.20	0.011	ug/L	U	02/22/10 18:43
	Vanadium	-0.024	0.20	0.056	ug/L	U	02/22/10 18:43
	Zinc	0.0094	10	0.58	ug/L	U	02/22/10 18:43
0B22027-CCB7	Antimony	0.086	0.20	0.071	ug/L	J	02/22/10 19:42
	Arsenic	-0.032	0.20	0.076	ug/L	U	02/22/10 19:42
	Beryllium	-0.0043	0.20	0.060	ug/L	U	02/22/10 19:42

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM012510B
Project: Plainwell Mill
Instrument ID: 114
Calibration: 0B23006

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B22027-CCB7	Cadmium	0.0029	0.040	0.011	ug/L	U	02/22/10 19:42
	Copper	0.0011	0.40	0.14	ug/L	U	02/22/10 19:42
	Lead	-0.00066	0.20	0.043	ug/L	U	02/22/10 19:42
	Selenium	0.17	0.40	0.16	ug/L	J	02/22/10 19:42
	Silver	0.0072	0.040	0.012	ug/L	U	02/22/10 19:42
	Thallium	0.000063	0.20	0.011	ug/L	U	02/22/10 19:42
	Vanadium	-0.037	0.20	0.056	ug/L	U	02/22/10 19:42
	Zinc	0.014	10	0.58	ug/L	U	02/22/10 19:42
0B22027-CCB8	Antimony	0.090	0.20	0.071	ug/L	J	02/22/10 20:51
	Arsenic	-0.036	0.20	0.076	ug/L	U	02/22/10 20:51
	Beryllium	0.00049	0.20	0.060	ug/L	U	02/22/10 20:51
	Cadmium	0.0032	0.040	0.011	ug/L	U	02/22/10 20:51
	Copper	0.0066	0.40	0.14	ug/L	U	02/22/10 20:51
	Lead	0.00067	0.20	0.043	ug/L	U	02/22/10 20:51
	Selenium	0.094	0.40	0.16	ug/L	U	02/22/10 20:51
	Silver	0.0063	0.040	0.012	ug/L	U	02/22/10 20:51
	Thallium	-0.00095	0.20	0.011	ug/L	U	02/22/10 20:51
	Vanadium	-0.024	0.20	0.056	ug/L	U	02/22/10 20:51
	Zinc	0.019	10	0.58	ug/L	U	02/22/10 20:51
0B22027-CCB9	Antimony	0.083	0.20	0.071	ug/L	J	02/22/10 21:28
	Arsenic	-0.061	0.20	0.076	ug/L	U	02/22/10 21:28
	Beryllium	-0.0043	0.20	0.060	ug/L	U	02/22/10 21:28
	Cadmium	0.0018	0.040	0.011	ug/L	U	02/22/10 21:28
	Copper	0.0080	0.40	0.14	ug/L	U	02/22/10 21:28
	Lead	0.047	0.20	0.043	ug/L	J	02/22/10 21:28
	Selenium	0.14	0.40	0.16	ug/L	U	02/22/10 21:28
	Silver	0.0056	0.040	0.012	ug/L	U	02/22/10 21:28
	Thallium	-0.00034	0.20	0.011	ug/L	U	02/22/10 21:28
	Vanadium	-0.025	0.20	0.056	ug/L	U	02/22/10 21:28
	Zinc	0.035	10	0.58	ug/L	U	02/22/10 21:28
0B22027-CCBA	Antimony	0.078	0.20	0.071	ug/L	J	02/22/10 22:24
	Arsenic	-0.060	0.20	0.076	ug/L	U	02/22/10 22:24
	Beryllium	-0.00098	0.20	0.060	ug/L	U	02/22/10 22:24

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM012510B
Project: Plainwell Mill
Instrument ID: 114
Calibration: 0B23006

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B22027-CCBA	Cadmium	0.00038	0.040	0.011	ug/L	U	02/22/10 22:24
	Copper	0.0046	0.40	0.14	ug/L	U	02/22/10 22:24
	Lead	0.043	0.20	0.043	ug/L	J	02/22/10 22:24
	Selenium	0.083	0.40	0.16	ug/L	U	02/22/10 22:24
	Silver	0.0048	0.040	0.012	ug/L	U	02/22/10 22:24
	Thallium	-0.00081	0.20	0.011	ug/L	U	02/22/10 22:24
	Vanadium	-0.034	0.20	0.056	ug/L	U	02/22/10 22:24
	Zinc	0.030	10	0.58	ug/L	U	02/22/10 22:24
0B22027-CCBB	Antimony	0.087	0.20	0.071	ug/L	J	02/22/10 23:09
	Arsenic	-0.042	0.20	0.076	ug/L	U	02/22/10 23:09
	Beryllium	0.00054	0.20	0.060	ug/L	U	02/22/10 23:09
	Cadmium	0.00091	0.040	0.011	ug/L	U	02/22/10 23:09
	Copper	0.0089	0.40	0.14	ug/L	U	02/22/10 23:09
	Lead	0.043	0.20	0.043	ug/L	U	02/22/10 23:09
	Selenium	0.098	0.40	0.16	ug/L	U	02/22/10 23:09
	Silver	0.0054	0.040	0.012	ug/L	U	02/22/10 23:09
	Thallium	-0.00011	0.20	0.011	ug/L	U	02/22/10 23:09
	Vanadium	-0.036	0.20	0.056	ug/L	U	02/22/10 23:09
	Zinc	0.026	10	0.58	ug/L	U	02/22/10 23:09
0B22027-CCBC	Antimony	0.081	0.20	0.071	ug/L	J	02/23/10 00:14
	Arsenic	-0.062	0.20	0.076	ug/L	U	02/23/10 00:14
	Beryllium	0.0036	0.20	0.060	ug/L	U	02/23/10 00:14
	Cadmium	0.00060	0.040	0.011	ug/L	U	02/23/10 00:14
	Copper	0.0088	0.40	0.14	ug/L	U	02/23/10 00:14
	Lead	0.044	0.20	0.043	ug/L	J	02/23/10 00:14
	Selenium	0.018	0.40	0.16	ug/L	U	02/23/10 00:14
	Silver	0.0088	0.040	0.012	ug/L	U	02/23/10 00:14
	Thallium	-0.00047	0.20	0.011	ug/L	U	02/23/10 00:14
	Vanadium	-0.045	0.20	0.056	ug/L	U	02/23/10 00:14
	Zinc	0.021	10	0.58	ug/L	U	02/23/10 00:14
0B22027-CCBD	Antimony	0.093	0.20	0.071	ug/L	J	02/23/10 00:50
	Arsenic	-0.065	0.20	0.076	ug/L	U	02/23/10 00:50
	Beryllium	-0.0026	0.20	0.060	ug/L	U	02/23/10 00:50

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM012510B
Project: Plainwell Mill
Instrument ID: 114
Calibration: 0B23006

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B22027-CCBD	Cadmium	0.0028	0.040	0.011	ug/L	U	02/23/10 00:50
	Copper	0.0061	0.40	0.14	ug/L	U	02/23/10 00:50
	Lead	0.043	0.20	0.043	ug/L	U	02/23/10 00:50
	Selenium	0.14	0.40	0.16	ug/L	U	02/23/10 00:50
	Silver	0.0065	0.040	0.012	ug/L	U	02/23/10 00:50
	Thallium	-0.00080	0.20	0.011	ug/L	U	02/23/10 00:50
	Vanadium	-0.034	0.20	0.056	ug/L	U	02/23/10 00:50
	Zinc	0.023	10	0.58	ug/L	U	02/23/10 00:50

* Values outside of QC limits

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B23045

SDG: PM012510B
Project: Plainwell Mill
Instrument ID: 114
Calibration: 0B24001

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B23045-CCB1	Lead	-0.0018	0.20	0.043	ug/L	U	02/23/10 15:05
0B23045-CCB2	Lead	-0.0011	0.20	0.043	ug/L	U	02/23/10 15:18
0B23045-CCB3	Lead	0.00065	0.20	0.043	ug/L	U	02/23/10 15:25

* Values outside of QC limits

00331

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B17045

SDG: PM012510B

Project: Plainwell Mill

Instrument ID: 201

Calibration: 0B17015

Lab Sample ID	Analyte	True	Found	%R	Units
0B17045-IFA1	Chromium	0.00	0.0595		ug/L
	Cobalt	0.00	0.00699		ug/L
	Copper	0.00	0.254		ug/L
	Selenium	0.00	-0.305		ug/L
	Silver	0.00	0.00967		ug/L
	Zinc	0.00	1.67		ug/L
0B17045-IFB1	Chromium	20.0	21.0	105	ug/L
	Cobalt	20.0	20.6	103	ug/L
	Copper	20.0	19.8	99	ug/L
	Selenium	20.0	18.9	95	ug/L
	Silver	20.0	19.9	100	ug/L
	Zinc	20.0	22.0	110	ug/L

* Values outside of QC limits

: 00332

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B22027

SDG: PM012510B

Project: Plainwell Mill

Instrument ID: 114

Calibration: 0B23006

Lab Sample ID	Analyte	True	Found	%R	Units
0B22027-IFA1	Antimony	0.00	0.0599		ug/L
	Arsenic	0.00	-0.00178		ug/L
	Beryllium	0.00	-0.00123		ug/L
	Cadmium	0.00	-0.00176		ug/L
	Copper	0.00	0.243		ug/L
	Lead	0.00	0.0119		ug/L
	Selenium	0.00	0.0403		ug/L
	Silver	0.00	0.0240		ug/L
	Thallium	0.00	0.00107		ug/L
	Vanadium	0.00	-0.0603		ug/L
	Zinc	0.00	1.64		ug/L
0B22027-IFB1	Antimony	20.0	19.9	100	ug/L
	Arsenic	20.0	19.9	100	ug/L
	Beryllium	20.0	18.3	92	ug/L
	Cadmium	20.0	19.8	99	ug/L
	Copper	20.0	19.0	95	ug/L
	Lead	20.0	19.6	98	ug/L
	Selenium	20.0	18.6	93	ug/L
	Silver	20.0	19.9	99	ug/L
	Thallium	20.0	19.3	97	ug/L
	Vanadium	20.0	18.7	94	ug/L
	Zinc	20.0	20.6	103	ug/L

* Values outside of QC limits

00333

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B23045

SDG: PM012510B

Project: Plainwell Mill

Instrument ID: 114

Calibration: 0B24001

Lab Sample ID	Analyte	True	Found	%R	Units
0B23045-IFA1	Lead	0.00	0.0160		ug/L
0B23045-IFB1	Lead	20.0	19.7	98	ug/L

* Values outside of QC limits

00334

QC BATCH SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510B

Client: SulTRAC Project: Plainwell Mill

QC Batch: 1001399 QC Batch Matrix: Soil Preparation: 3010A SPLP Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1001399-BLK1	02/17/10 07:00	
Blank	1001399-BLK2	02/17/10 07:00	
LCS	1001399-BS1	02/17/10 07:00	
LCS	1001399-BS2	02/17/10 07:00	
S-SO-56394-CB-012710-177	1001399-MS1	02/17/10 07:00	
S-SO-56394-CB-012710-177	1001399-MS2	02/17/10 07:00	
S-SO-56394-CB-012710-177	1001399-MSD1	02/17/10 07:00	
S-SO-56394-CB-012710-177	1001399-MSD2	02/17/10 07:00	
S-SO-56394-CB-012710-177	1001399-PS1	02/17/10 17:00	[Spk] 25mL->125mL; 10mL->10mL; Spiked 10mL
S-SO-56394-CB-012710-177	1001399-PS2	02/22/10 18:00	[Spk] 25mL->125mL; 10mL->10mL; Spiked 10mL
S-SO-56394-CB-012510-129	1002144-01	02/17/10 07:00	
S-SO-56394-CB-012510-133	1002144-02	02/17/10 07:00	
S-SO-56394-CB-012510-137	1002144-03	02/17/10 07:00	
S-SO-56394-CB-012510-144	1002144-04	02/17/10 07:00	
S-SO-56394-DR-012510-1069	1002144-05	02/17/10 07:00	
S-SO-56394-DR-012510-1059	1002144-06	02/17/10 07:00	
S-SO-56394-CB-012510-143	1002144-07	02/17/10 07:00	
S-SO-56394-DR-012510-1063	1002144-08	02/17/10 07:00	
S-SO-56394-CB-012610-153	1002144-09	02/17/10 07:00	
S-SO-56394-CB-012610-158	1002144-10	02/17/10 07:00	
S-SO-56394-CB-012610-160	1002144-11	02/17/10 07:00	
S-SO-56394-CB-012610-165	1002144-12	02/17/10 07:00	
S-SO-56394-DR-012610-1078	1002144-13	02/17/10 07:00	
S-SO-56394-DR-012610-1075	1002144-15	02/17/10 07:00	
S-SO-56394-CB-012610-166	1002144-16	02/17/10 07:00	
S-SO-56394-CB-012710-168	1002144-17	02/17/10 07:00	
SD-SO-56394-CB-012710-168	1002144-18	02/17/10 07:00	
S-SO-56394-CB-012710-177	1002144-19	02/17/10 07:00	

00335

QC BATCH SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510B

Client: SulTRAC Project: Plainwell Mill

QC Batch: 1001400 QC Batch Matrix: Soil Preparation: 3010A SPLP Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1001400-BLK1	02/17/10 07:00	
Blank	1001400-BLK2	02/17/10 07:00	
LCS	1001400-BS1	02/17/10 07:00	
LCS	1001400-BS2	02/17/10 07:00	
S-SO-56394-CB-012710-180	1001400-MS1	02/17/10 07:00	
S-SO-56394-CB-012710-180	1001400-MS2	02/17/10 07:00	
S-SO-56394-CB-012710-180	1001400-MSD1	02/17/10 07:00	
S-SO-56394-CB-012710-180	1001400-MSD2	02/17/10 07:00	
S-SO-56394-CB-012710-180	1001400-PS1	02/17/10 17:00	[Spk] 25mL->125mL; 10mL->10mL; Spiked 10mL
S-SO-56394-CB-012710-180	1001400-PS2	02/22/10 18:00	[Spk] 25mL->125mL; 10mL->10mL; Spiked 10mL
S-SO-56394-CB-012710-180	1002144-20	02/17/10 07:00	
S-SO-56394-CB-012710-182	1002144-21	02/17/10 07:00	
S-SO-56394-CB-012710-183	1002144-22	02/17/10 07:00	
S-SO-56394-CB-012810-189	1002144-23	02/17/10 07:00	
SD-SO-56394-CB-012810-189	1002144-24	02/17/10 07:00	
S-SO-56394-CB-012810-190	1002144-25	02/17/10 07:00	

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1001399-BLK1
File ID: 0b17045-017
Prepared: 02/17/10 07:00
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 125 mL
Analyzed: 02/17/10 18:23
Instrument: 201
QC Batch: 1001399
Sequence: 0B17045
Calibration: 0B17015

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-47-3	Chromium, SPLP	0.00046	0.0050	0.0012	mg/L	J
7440-48-4	Cobalt, SPLP	0.000042	0.0010	0.0010	mg/L	U
7440-50-8	Copper, SPLP	0.00071	0.0020	0.0020	mg/L	U
7782-49-2	Selenium, SPLP	0.00082	0.0020	0.0020	mg/L	U
7440-22-4	Silver, SPLP	0.000061	0.00020	0.00020	mg/L	U
7440-66-6	Zinc, SPLP	0.0029	0.050	0.0096	mg/L	J

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1001399-BLK2
File ID: 0b22027-089
Prepared: 02/17/10 07:00
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 125 mL
Analyzed: 02/22/10 21:37
Instrument: 114
QC Batch: 1001399
Sequence: 0B22027
Calibration: 0B23006

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-36-0	Antimony, SPLP	0.00036	0.0010	0.0010	mg/L	U
7440-38-2	Arsenic, SPLP	0.00038	0.0010	0.0010	mg/L	U
7440-41-7	Beryllium, SPLP	0.00030	0.0010	0.0010	mg/L	U
7440-43-9	Cadmium, SPLP	0.000055	0.00020	0.00020	mg/L	U
7439-92-1	Lead, SPLP	0.00022	0.0010	0.0010	mg/L	U
7440-28-0	Thallium, SPLP	0.000056	0.0010	0.0010	mg/L	U
7440-62-2	Vanadium, SPLP	0.00028	0.0010	0.0010	mg/L	U

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1001400-BLK1
File ID: 0b17045-045
Prepared: 02/17/10 07:00
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 125 mL
Analyzed: 02/17/10 19:55
Instrument: 201
QC Batch: 1001400
Sequence: 0B17045
Calibration: 0B17015

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-47-3	Chromium, SPLP	0.00046	0.0050	0.00096	mg/L	J
7440-48-4	Cobalt, SPLP	0.000042	0.0010	0.0010	mg/L	U
7440-50-8	Copper, SPLP	0.00071	0.0020	0.0020	mg/L	U
7782-49-2	Selenium, SPLP	0.00082	0.0020	0.0020	mg/L	U
7440-22-4	Silver, SPLP	0.000061	0.00020	0.00020	mg/L	U
7440-66-6	Zinc, SPLP	0.0029	0.050	0.0093	mg/L	J

00339

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1001400-BLK2
File ID: 0b22027-117
Prepared: 02/17/10 07:00
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 125 mL
Analyzed: 02/22/10 23:35
Instrument: 114
QC Batch: 1001400
Sequence: 0B22027
Calibration: 0B23006

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-36-0	Antimony, SPLP	0.00036	0.0010	0.0010	mg/L	U
7440-38-2	Arsenic, SPLP	0.00038	0.0010	0.0010	mg/L	U
7440-41-7	Beryllium, SPLP	0.00030	0.0010	0.0010	mg/L	U
7440-43-9	Cadmium, SPLP	0.000055	0.00020	0.00020	mg/L	U
7439-92-1	Lead, SPLP	0.00022	0.0010	0.0010	mg/L	U
7440-28-0	Thallium, SPLP	0.000056	0.0010	0.0010	mg/L	U
7440-62-2	Vanadium, SPLP	0.00028	0.0010	0.0010	mg/L	U

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6020A

S-SO-56394-CB-012710-177

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1001399-MS1

QC Batch: 1001399

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Chromium, SPLP	0.100	0.0679	0.163	95	75 - 125	mg/L
Cobalt, SPLP	0.100	0.000121	0.0969	97	75 - 125	mg/L
Copper, SPLP	0.100	0.0453	0.137	92	75 - 125	mg/L
Selenium, SPLP	0.100	ND	0.0868	87	75 - 125	mg/L
Silver, SPLP	0.100	ND	0.0941	94	75 - 125	mg/L
Zinc, SPLP	0.100	0.00811	0.0982	90	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

00341

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-012710-177

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1001399-MSD1

QC Batch: 1001399

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Chromium, SPLP	0.100	0.160	92	2	20	75 - 125	mg/L
Cobalt, SPLP	0.100	0.0969	97	0.01	20	75 - 125	mg/L
Copper, SPLP	0.100	0.183	137 *	29 *	20	75 - 125	mg/L
Selenium, SPLP	0.100	0.0855	86	2	20	75 - 125	mg/L
Silver, SPLP	0.100	0.0927	93	1	20	75 - 125	mg/L
Zinc, SPLP	0.100	0.286	277 *	98 *	20	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6020A

S-SO-56394-CB-012710-177

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1001399-MS2

QC Batch: 1001399

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Antimony, SPLP	0.100	0.0102	0.104	94	75 - 125	mg/L
Arsenic, SPLP	0.100	0.00564	0.0960	90	75 - 125	mg/L
Beryllium, SPLP	0.100	ND	0.0892	89	75 - 125	mg/L
Cadmium, SPLP	0.100	ND	0.0897	90	75 - 125	mg/L
Lead, SPLP	0.100	0.00503	0.0964	91	75 - 125	mg/L
Thallium, SPLP	0.100	ND	0.0923	92	75 - 125	mg/L
Vanadium, SPLP	0.100	0.00749	0.0989	91	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-012710-177

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1001399-MSD2

QC Batch: 1001399

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Antimony, SPLP	0.100	0.0988	89	5	20	75 - 125	mg/L
Arsenic, SPLP	0.100	0.0940	88	2	20	75 - 125	mg/L
Beryllium, SPLP	0.100	0.0896	90	0.5	20	75 - 125	mg/L
Cadmium, SPLP	0.100	0.0870	87	3	20	75 - 125	mg/L
Lead, SPLP	0.100	0.0955	90	0.9	20	75 - 125	mg/L
Thallium, SPLP	0.100	0.0899	90	3	20	75 - 125	mg/L
Vanadium, SPLP	0.100	0.0996	92	0.7	20	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

00344

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-012710-180

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1001400-MS1

QC Batch: 1001400

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Chromium, SPLP	0.100	0.00396	0.104	100	75 - 125	mg/L
Cobalt, SPLP	0.100	ND	0.0991	99	75 - 125	mg/L
Copper, SPLP	0.100	0.0104	0.108	98	75 - 125	mg/L
Selenium, SPLP	0.100	ND	0.0865	87	75 - 125	mg/L
Silver, SPLP	0.100	ND	0.0981	98	75 - 125	mg/L
Zinc, SPLP	0.100	0.00558	0.0952	90	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

: 00345

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-012710-180

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1001400-MSD1

QC Batch: 1001400

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Chromium, SPLP	0.100	0.105	101	0.6	20	75 - 125	mg/L
Cobalt, SPLP	0.100	0.0987	99	0.4	20	75 - 125	mg/L
Copper, SPLP	0.100	0.108	98	0.2	20	75 - 125	mg/L
Selenium, SPLP	0.100	0.0901	90	4	20	75 - 125	mg/L
Silver, SPLP	0.100	0.0963	96	2	20	75 - 125	mg/L
Zinc, SPLP	0.100	0.0963	91	1	20	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

: 00346

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-012710-180

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1001400-MS2

QC Batch: 1001400

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Antimony, SPLP	0.100	0.00553	0.0988	93	75 - 125	mg/L
Arsenic, SPLP	0.100	0.0172	0.109	91	75 - 125	mg/L
Beryllium, SPLP	0.100	ND	0.0900	90	75 - 125	mg/L
Cadmium, SPLP	0.100	ND	0.0899	90	75 - 125	mg/L
Lead, SPLP	0.100	0.00121	0.0947	93	75 - 125	mg/L
Thallium, SPLP	0.100	ND	0.0937	94	75 - 125	mg/L
Vanadium, SPLP	0.100	0.00981	0.105	96	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6020A

S-SO-56394-CB-012710-180

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1001400-MSD2

QC Batch: 1001400

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Antimony, SPLP	0.100	0.0994	94	0.6	20	75 - 125	mg/L
Arsenic, SPLP	0.100	0.108	91	0.5	20	75 - 125	mg/L
Beryllium, SPLP	0.100	0.0926	93	3	20	75 - 125	mg/L
Cadmium, SPLP	0.100	0.0905	91	0.7	20	75 - 125	mg/L
Lead, SPLP	0.100	0.0961	95	2	20	75 - 125	mg/L
Thallium, SPLP	0.100	0.0953	95	2	20	75 - 125	mg/L
Vanadium, SPLP	0.100	0.106	97	1	20	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

00348

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-CB-012710-177

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids:
Laboratory ID: 1001399-PS1
Lab Source ID: 1002144-19

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 2 mL / 10 mL
QC Batch: 1001399
Sequence: 0B17045

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Chromium, SPLP	80 - 120	33.4	13.6	20.0	99	ug/L
Cobalt, SPLP	80 - 120	20.1	0.0242	20.0	100	ug/L
Copper, SPLP	80 - 120	28.5	9.05	20.0	97	ug/L
Selenium, SPLP	80 - 120	18.0	-0.0489	20.0	90	ug/L
Silver, SPLP	80 - 120	19.5	0.00298	20.0	97	ug/L
Zinc, SPLP	80 - 120	20.4	1.62	20.0	94	ug/L

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-CB-012710-177

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids:
Laboratory ID: 1001399-PS2
Lab Source ID: 1002144-19

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 2 mL / 10 mL
QC Batch: 1001399
Sequence: 0B22027

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Antimony, SPLP	80 - 120	20.1	2.04	20.0	90	ug/L
Arsenic, SPLP	80 - 120	20.3	1.13	20.0	96	ug/L
Beryllium, SPLP	80 - 120	18.7	0.00198	20.0	93	ug/L
Cadmium, SPLP	80 - 120	18.4	0.00576	20.0	92	ug/L
Lead, SPLP	80 - 120	20.2	1.01	20.0	96	ug/L
Thallium, SPLP	80 - 120	19.1	-0.00105	20.0	96	ug/L
Vanadium, SPLP	80 - 120	21.1	1.50	20.0	98	ug/L

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-CB-012710-180

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Preparation: 3010A SPLP Digestion
% Solids:
Initial/Final: 2 mL / 10 mL
Laboratory ID: 1001400-PS1
QC Batch: 1001400
Lab Source ID: 1002144-20
Sequence: 0B17045

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Chromium, SPLP	80 - 120	21.0	0.792	20.0	101	ug/L
Cobalt, SPLP	80 - 120	20.1	0.00773	20.0	100	ug/L
Copper, SPLP	80 - 120	22.2	2.08	20.0	101	ug/L
Selenium, SPLP	80 - 120	18.5	-0.131	20.0	93	ug/L
Silver, SPLP	80 - 120	19.7	0.00637	20.0	99	ug/L
Zinc, SPLP	80 - 120	19.9	1.12	20.0	94	ug/L

* Values outside of QC limits

00351

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-CB-012710-180

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids:
Laboratory ID: 1001400-PS2
Lab Source ID: 1002144-20

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 2 mL / 10 mL
QC Batch: 1001400
Sequence: 0B22027

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Antimony, SPLP	80 - 120	18.8	1.11	20.0	88	ug/L
Arsenic, SPLP	80 - 120	22.5	3.44	20.0	96	ug/L
Beryllium, SPLP	80 - 120	19.3	0.00208	20.0	96	ug/L
Cadmium, SPLP	80 - 120	18.3	0.00460	20.0	91	ug/L
Lead, SPLP	80 - 120	19.5	0.241	20.0	96	ug/L
Thallium, SPLP	80 - 120	19.3	0.000132	20.0	97	ug/L
Vanadium, SPLP	80 - 120	21.8	1.96	20.0	99	ug/L

* Values outside of QC limits

00352

LCS / LCS DUPLICATE RECOVERY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil

Laboratory ID: 1001399-BS1

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 125 mL
QC Batch: 1001399
Sequence: 0B17045

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Chromium, SPLP	0.100	0.101	101	80 - 120	mg/L
Cobalt, SPLP	0.100	0.0996	100	80 - 120	mg/L
Copper, SPLP	0.100	0.0990	99	80 - 120	mg/L
Selenium, SPLP	0.100	0.0892	89	80 - 120	mg/L
Silver, SPLP	0.100	0.0952	95	80 - 120	mg/L
Zinc, SPLP	0.100	0.0987	99	80 - 120	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

00353

LCS / LCS DUPLICATE RECOVERY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil

Laboratory ID: 1001399-BS2

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 125 mL
QC Batch: 1001399
Sequence: 0B22027

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Antimony, SPLP	0.100	0.0915	92	80 - 120	mg/L
Arsenic, SPLP	0.100	0.0900	90	80 - 120	mg/L
Beryllium, SPLP	0.100	0.0883	88	80 - 120	mg/L
Cadmium, SPLP	0.100	0.0890	89	80 - 120	mg/L
Lead, SPLP	0.100	0.0914	91	80 - 120	mg/L
Thallium, SPLP	0.100	0.0919	92	80 - 120	mg/L
Vanadium, SPLP	0.100	0.0919	92	80 - 120	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil

Laboratory ID: 1001400-BS1

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 125 mL
QC Batch: 1001400
Sequence: 0B17045

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Chromium, SPLP	0.100	0.102	102	80 - 120	mg/L
Cobalt, SPLP	0.100	0.0990	99	80 - 120	mg/L
Copper, SPLP	0.100	0.100	100	80 - 120	mg/L
Selenium, SPLP	0.100	0.0867	87	80 - 120	mg/L
Silver, SPLP	0.100	0.0960	96	80 - 120	mg/L
Zinc, SPLP	0.100	0.108	108	80 - 120	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

: 00355

LCS / LCS DUPLICATE RECOVERY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil

Laboratory ID: 1001400-BS2

SDG: PM012510B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 125 mL
QC Batch: 1001400
Sequence: 0B22027

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Antimony, SPLP	0.100	0.0918	92	80 - 120	mg/L
Arsenic, SPLP	0.100	0.0922	92	80 - 120	mg/L
Beryllium, SPLP	0.100	0.0881	88	80 - 120	mg/L
Cadmium, SPLP	0.100	0.0887	89	80 - 120	mg/L
Lead, SPLP	0.100	0.0926	93	80 - 120	mg/L
Thallium, SPLP	0.100	0.0927	93	80 - 120	mg/L
Vanadium, SPLP	0.100	0.0946	95	80 - 120	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

SERIAL DILUTION

USEPA-6020A

S-SO-56394-CB-012710-177

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510B

Client: SulTRAC

Project: Plainwell Mill

Matrix: Soil

% Solids:

Laboratory ID: 0B17045-SRD1

QC Batch: 0B17045

Lab Source ID: 1002144-19

Sequence: 0B17045

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Chromium, SPLP	13.6		12.8		6.0		ug/L	10
Cobalt, SPLP	0.0242	J	0.0212	U	12.0 #		ug/L	10
Copper, SPLP	9.05		9.14		1.0 #		ug/L	10
Selenium, SPLP	-0.0489	U	-0.626	U	1180.0 #		ug/L	10
Silver, SPLP	0.00299	U	0.0175	U	485.0 #		ug/L	10
Zinc, SPLP	1.62	J	1.68	U	4.0 #		ug/L	10

* Values outside of QC limits

Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

SERIAL DILUTION
USEPA-6020A

S-SO-56394-CB-012710-180

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids:
Laboratory ID: 0B17045-SRD2
QC Batch: 0B17045
Lab Source ID: 1002144-20
Sequence: 0B17045

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Chromium, SPLP	0.792	J	0.322	U	59.0 #		ug/L	10
Cobalt, SPLP	0.00773	U	-0.000725	U	109.0 #		ug/L	10
Copper, SPLP	2.08		2.11		1.0 #		ug/L	10
Selenium, SPLP	-0.131	U	-0.711	U	443.0 #		ug/L	10
Silver, SPLP	0.00637	U	0.0191	U	200.0 #		ug/L	10
Zinc, SPLP	1.12	J	1.04	U	7.0 #		ug/L	10

* Values outside of QC limits

Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

SERIAL DILUTION
USEPA-6020A

S-SO-56394-CB-012710-177

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids:
Laboratory ID: 0B22027-SRD5
QC Batch: 0B22027
Lab Source ID: 1002144-19
Sequence: 0B22027

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Antimony, SPLP	2.04		2.19		7.0 #		ug/L	10
Arsenic, SPLP	1.13		1.07		5.0 #		ug/L	10
Beryllium, SPLP	0.00198	U	0.00974	U	392.0 #		ug/L	10
Cadmium, SPLP	0.00576	U	0.0176	U	206.0 #		ug/L	10
Lead, SPLP	1.01		0.965	J	4.0 #		ug/L	10
Thallium, SPLP	-0.00105	U	-0.00546	U	420.0 #		ug/L	10
Vanadium, SPLP	1.50		1.38		8.0 #		ug/L	10

* Values outside of QC limits

Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

SERIAL DILUTION
USEPA-6020A

S-SO-56394-CB-012710-180

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids:
Laboratory ID: 0B22027-SRD6
QC Batch: 0B22027
Lab Source ID: 1002144-20
Sequence: 0B22027

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Antimony, SPLP	1.11		1.22		10.0 #		ug/L	10
Arsenic, SPLP	3.44		3.23		6.0 #		ug/L	10
Beryllium, SPLP	0.00208	U	0.00227	U	9.0 #		ug/L	10
Cadmium, SPLP	0.00460	U	0.00693	U	51.0 #		ug/L	10
Lead, SPLP	0.241		0.228	J	5.0 #		ug/L	10
Thallium, SPLP	0.000132	U	-0.00883	U	6789.0 #		ug/L	10
Vanadium, SPLP	1.96		1.85		6.0 #		ug/L	10

* Values outside of QC limits

Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510B

Client: SulTRAC Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012510-129	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012510-129	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012510-129	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012510-129	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-129	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-129	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-129	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-129	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-129	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-129	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-129	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-129	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-129	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-129	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-133	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012510-133	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012510-133	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012510-133	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012510-133	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-133	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-133	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-133	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-133	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	

00361

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510B

Client: SulTRAC Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012510-133	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-133	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-133	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-133	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-137	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012510-137	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012510-137	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012510-137	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012510-137	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012510-137	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-137	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-137	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-137	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-137	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-137	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-137	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-144	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012510-144	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012510-144	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-144	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-144	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510B

Client: SulTRAC Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012510-144	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-144	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-144	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-144	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-144	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-144	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-144	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-144	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1069	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-DR-012510-1069	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-DR-012510-1069	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-DR-012510-1069	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1069	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1069	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1069	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1069	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1069	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1069	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1069	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1069	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1059	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	

00363

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510B

Client: SulTRAC Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-DR-012510-1059	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-DR-012510-1059	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1059	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1059	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1059	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1059	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1059	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1059	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1059	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1059	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1059	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1059	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1059	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-143	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012510-143	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012510-143	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-143	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-143	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-143	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-143	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-143	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-143	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-143	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-143	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	

00364

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510B

Client: SulTRAC Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012510-143	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-143	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012510-143	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1063	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-DR-012510-1063	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-DR-012510-1063	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1063	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1063	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1063	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1063	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1063	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1063	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1063	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1063	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1063	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1063	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012510-1063	01/25/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-153	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012610-153	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012610-153	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-153	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-153	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-153	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510B

Client: SulTRAC Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012610-153	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-153	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-153	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-153	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-153	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-153	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-153	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-158	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012610-158	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012610-158	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012610-158	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012610-158	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012610-158	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012610-158	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-158	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-158	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-158	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-158	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-158	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-158	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	8	180	
S-SO-56394-CB-012610-160	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012610-160	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510B

Client: SulTRAC Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012610-160	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-160	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-160	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-160	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-160	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-160	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-160	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-160	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-160	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-160	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-160	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-165	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012610-165	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012610-165	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-165	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-165	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-165	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-165	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-165	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-165	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-165	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-165	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-165	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	

00367

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510B

Client: SulTRAC

Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012610-165	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-165	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012610-1078	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-DR-012610-1078	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-DR-012610-1078	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-DR-012610-1078	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012610-1078	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012610-1078	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012610-1078	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012610-1078	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012610-1078	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012610-1078	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012610-1078	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012610-1078	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012610-1078	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012610-1078	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012610-1075	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-DR-012610-1075	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-DR-012610-1075	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012610-1075	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012610-1075	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012610-1075	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012610-1075	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	

: 00368

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510B

Client: SulTRAC Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-DR-012610-1075	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012610-1075	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012610-1075	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012610-1075	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012610-1075	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-DR-012610-1075	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-166	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012610-166	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012610-166	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-166	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-166	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-166	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-166	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-166	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-166	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-166	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-166	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-166	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-166	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012610-166	01/26/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510B

Client: SulTRAC Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510B

Client: SulTRAC Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
SD-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	

00371

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510B

Client: SulTRAC Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012710-180	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/22/10	7	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

SPLP Metals

SDG: PM012510B

Project: Plainwell Mill

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012710-183	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510B

Client: SulTRAC Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
SD-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/17/10	2	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	

: 00374

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510B

Client: SulTRAC

Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012810-190	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10	02/15/10	02/17/10	2	NA	02/23/10	7	180	

00375

Metals, Soil, 3020A SPLP Digestion

Batch comments:
MAS 02/17/10 7:00AM-4:00PM
INST#217@93.6C#223
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1001399-BLK1		Feb-17-10 07:00	MAS	25	125				
1001399-BLK2		Feb-17-10 07:00	MAS	25	125				
1001399-BS1		Feb-17-10 07:00	MAS	25	125		9120029	25	
1001399-BS2		Feb-17-10 07:00	MAS	25	125		9120029	25	
1001399-MS1		Feb-17-10 07:00	MAS	25	125	1002144-19	9120029	25	
1001399-MS2		Feb-17-10 07:00	MAS	25	125	1002144-19	9120029	25	
1001399-MSD1		Feb-17-10 07:00	MAS	25	125	1002144-19	9120029	25	
1001399-MSD2		Feb-17-10 07:00	MAS	25	125	1002144-19	9120029	25	
1001399-PS1		Feb-17-10 17:00	DWJ	2	10	1002144-19	9120102	50	[Spk] 25mL->125mL; 10mL->10mL; Spike
1001399-PS2		Feb-22-10 18:00	DWJ	2	10	1002144-19	9120102	50	[Spk] 25mL->125mL; 10mL->10mL; Spike
1002144-01	A 01	Feb-17-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					
1002144-02	A 01	Feb-17-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					
1002144-03	A 01	Feb-17-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					
1002144-04	A 01	Feb-17-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					

Comments:

Analyst Initials:

91399

Metals, Soil, 3020A SPLP Digestion

69377

Batch comments:

MAS 02/17/10 7:00AM-4:00PM
INST#217@93.6C#223
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Client Comments
1002144-05	A 01	Feb-17-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					
1002144-06	A 01	Feb-17-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					
1002144-07	A 01	Feb-17-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					
1002144-08	A 01	Feb-17-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					
1002144-09	A 01	Feb-17-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					
1002144-10	A 01	Feb-17-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					
1002144-11	A 01	Feb-17-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					
1002144-12	A 01	Feb-17-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					

Comments:	Analyst Initials:

Metals, Soil, 3020A SPLP Digestion

00378

Batch comments:

MAS 02/17/10 7:00AM-4:00PM
INST#217@93.6C#223
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Client Comments		
1002144-13	A 01	Feb-17-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*				
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*							
1002144-15	A 01	Feb-17-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*				
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*							
1002144-16	A 01	Feb-17-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*				
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*							
1002144-17	A 01	Feb-17-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*				
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*							
1002144-18	A 01	Feb-17-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*				
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*							
1002144-19	A 01	Feb-17-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*				
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*							
1002144-19RE1	A 01	Feb-17-10 07:00		25	125	SulTRAC			Added for SequenceQC in: 0B22027	Added for SequenceQC in: 0B22027	
Ag SPLP 6020	*Cu SPLP 6020*	*Se SPLP 6020*	*Zn SPLP 6020*								

Comments:

Analyst Initials:

Metals, Soil, 3020A SPLP Digestion

67698

Batch comments:

MAS 02/17/10 7:00AM-4:00PM
INST#217@93.6C#223
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments		
1001400-BLK1		Feb-17-10 07:00	MAS	25	125						
1001400-BLK2		Feb-17-10 07:00	MAS	25	125						
1001400-BS1		Feb-17-10 07:00	MAS	25	125		9120029	25			
1001400-BS2		Feb-17-10 07:00	MAS	25	125		9120029	25			
1001400-MS1		Feb-17-10 07:00	MAS	25	125	1002144-20	9120029	25			
1001400-MS2		Feb-17-10 07:00	MAS	25	125	1002144-20	9120029	25			
1001400-MSD1		Feb-17-10 07:00	MAS	25	125	1002144-20	9120029	25			
1001400-MSD2		Feb-17-10 07:00	MAS	25	125	1002144-20	9120029	25			
1001400-PS1		Feb-17-10 17:00	DWJ	2	10	1002144-20	9120102	50	[Spk] 25mL->125mL; 10mL->10mL; Spike		
1001400-PS2		Feb-22-10 18:00	DWJ	2	10	1002144-20	9120102	50	[Spk] 25mL->125mL; 10mL->10mL; Spike		
1002144-20	A 01	Feb-17-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*				
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*							
1002144-20RE1	A 01	Feb-17-10 07:00	DSC	25	125	SulTRAC			Added for SequenceQC in: 0B22027	Added for SequenceQC in: 0B22027	
Ag SPLP 6020	*Cd SPLP 6020*	*Cu SPLP 6020*	*Se SPLP 6020*	*Zn SPLP 6020*							
1002144-21	A 01	Feb-17-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*				
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*							
1002144-22	A 01	Feb-17-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*				
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*							
1002144-23	A 01	Feb-17-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*				
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*							

Comments:

Analyst Initials:

Metals, Soil, 3020A SPLP Digestion

99389

Batch comments:

MAS 02/17/10 7:00AM-4:00PM
INST#217@93.6C#223
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1002144-24	A 01	Feb-17-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					
1002144-25	A 01	Feb-17-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					

Comments:

Analyst Initials:

2-22-10
Cal: OB17015

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence

2-18

Instrument #: 201 | Data File: OB17045

Date: 2-17-10 | Calibration BLK/ICB/CCB: 1% HNO3 LOT#1109060

Analyst: DWS | Internal Standard #: 0020465

All samples are run at a 5x dilution which is accounted for on the prep benchsheet

Autosampler Position:

1. BLK/ICB/CCB/9120094
2. ICV/SCV/CCV 40ug/L 0010901
3. STD2 0.2 ug/L 9120100
4. STD3 1.0 ug/L 9120099
5. STD4 10 ug/L 9120098
6. STD5 20 ug/L 9120097
7. STD6 50 ug/L 9120096
8. STD7 100 ug/L 9120095
9. STD1 0.04 ug/L 9120101
10. IFA1 0010903
11. IFB1 0010904

Analysis # / Position #	ID	Dilution: Initial Volume (mL)	Dilution: Final Volume (mL)	Dilution: Dilution Factor	Analysis # / Position #	ID	Dilution: Initial Volume (mL)	Dilution: Final Volume (mL)	Dilution: Dilution Factor
1/17	1001399-BLK1				35/51	1002144-24			
2/18	1001399-BS1				36/52	1002144-25			
3/19	1002144-01				37/53				
4/20	1002144-02				38/54				
5/21	1002144-03				39/55				
6/22	1002144-04				40/56				
7/23	1002144-05				41/57				
8/24	1002144-06				42/58				
9/25	1002144-07				43/59				
10/26	1002144-08				44/60				
11/27	1002144-09				45/61				
12/28	1002144-10				46/62				
13/29	1002144-11				47/63	removed all Cd			
14/30	1002144-12				48/64				
15/31	1002144-13				49/65	took results			
16/32	1002144-15				50/66	from			
17/33	1002144-16				51/67				
18/34	1002144-17				52/68	OB32007			
19/35	1002144-18				53/69				
20/36	1002144-19				54/70				
21/37	1001399-MS1				55/71				
22/38	1001399-MSD1				56/72				
23/39	SH01				57/73				
24/40	1001399-PS1				58/74				
25/41	1001400-BLK1				59/75				
26/42	1001400-BS1				60/76				
27/43	1002144-20				61/77				
28/44	1001400-MS1				62/78				
29/45	1001400-MSD1				63/79				
30/46	SH02				64/80				
31/47	1001400-PS1				65/81				
32/48	1002144-21				66/82				
33/49	1002144-22				67/83				
34/50	1002144-23				68/84				

Instrument Tuning Report

File Name: 17FEB2010_6020A_B.tun
File Path: C:\Elandata\Tuning

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
Li	7.016	6.926	1521	2020	0.873	
Co	58.933	59.028	14206	2050	0.853	
In	114.904	114.978	27818	2095	0.863	
Ba	137.905	137.929	33406	2110	0.863	
Ce	139.905	139.928	33893	2115	0.864	
Tl	204.975	204.926	49721	2180	0.839	

00382

Daily Performance Report

Sample ID: 0010896
Sample Date/Time: Wednesday, February 17, 2010 16:56:00
Sample Description:
Method File: c:\elandata\Method\6020A_Daily.mth
Dataset File: c:\elandata\Dataset\default\0010896.4389
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac
Dual Detector Mode: Dual
Acq. Dead Time(ns): 60
Current Dead Time (ns): 60
Number of Replicates: 6

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Li	7.0	4596.9	4596.935	102.924	2.2
	Co	58.9	134522.8	134522.825	1183.244	0.9
	In	114.9	349987.4	349987.394	8037.704	2.3
	Tl	205.0	228271.9	228271.900	5255.402	2.3
⌈>	Ba	137.9	290030.5	290030.505	4609.358	1.6
⌊	Ba++	69.0	6561.2	0.023	0.000	1.5
⌈>	Ce	139.9	356503.8	356503.828	4606.487	1.3
⌊	CeO	155.9	8662.2	0.024	0.001	2.8
	Bkgd	220.0	10.8	10.833	4.491	41.5

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	4789.376	4789.376
Co	59	135841.219	135841.219
In	115	338701.957	338701.957
Tl	205	223992.435	223992.435
Ba	138	281589.444	281589.444
Ba++	69	6505.538	0.023
Ce	140	361128.894	361128.894
CeO	156	9246.127	0.026
Bkgd	220	15.000	15.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	4517.224	4517.224
Co	59	133754.876	133754.876
In	115	350818.321	350818.321
Tl	205	222979.815	222979.815
Ba	138	290033.556	290033.556
Ba++	69	6462.505	0.022
Ce	140	350990.194	350990.194
CeO	156	8460.292	0.024
Bkgd	220	8.000	8.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	4559.247	4559.247
Co	59	132583.377	132583.377
In	115	351019.576	351019.576
Tl	205	226411.507	226411.507
Ba	138	290168.497	290168.497
Ba++	69	6582.599	0.023
Ce	140	357060.071	357060.071
CeO	156	8464.296	0.024
Bkgd	220	11.000	11.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	4515.223	4515.223
Co	59	134894.018	134894.018
In	115	358461.664	358461.664

Tl	205	229818.900	229818.900
Ba	138	295413.875	295413.875
Ba++	69	6555.578	0.022
Ce	140	352235.104	352235.104
CeO	156	8440.272	0.024
Bkgd	220	17.000	17.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	4627.284	4627.284
Co	59	135388.948	135388.948
In	115	342662.582	342662.582
Tl	205	228909.374	228909.374
Ba	138	292417.872	292417.872
Ba++	69	6642.646	0.023
Ce	140	362353.365	362353.365
CeO	156	8684.523	0.024
Bkgd	220	9.000	9.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	4573.255	4573.255
Co	59	134674.510	134674.510
In	115	358260.261	358260.261
Tl	205	237519.366	237519.366
Ba	138	290559.785	290559.785
Ba++	69	6618.627	0.023
Ce	140	355255.342	355255.342
CeO	156	8677.516	0.024
Bkgd	220	5.000	5.000

Sample/Batch Report

User Name: analystME
Computer Name: ELAN6100_08
Sample File: C:\Elandata\Sample\0B17045.sam
Report Date/Time: Wednesday, February 17, 2010 17:24:01

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
17		1001399-BLK1		Sample					
18		1001399-BS1		Sample					
19		1002144-01		Sample					
20		1002144-02		Sample					
21		1002144-03		Sample					
22		1002144-04		Sample					
23		1002144-05		Sample					
24		1002144-06		Sample					
25		1002144-07		Sample					
26		1002144-08		Sample					
27		1002144-09		Sample					
28		1002144-10		Sample					
29		1002144-11		Sample					
30		1002144-12		Sample					
31		1002144-13		Sample					
32		1002144-15		Sample					
33		1002144-16		Sample					
34		1002144-17		Sample					
35		1002144-18		Sample					
36		1002144-19		Sample					
37		1001399-MS1		Sample					
38		1001399-MSD1		Sample					
39		0B17045-SRD1		Sample					
40		1001399-PS1		Sample					
41		1001400-BLK1		Sample					
42		1001400-BS1		Sample					
43		1002144-20		Sample					
44		1001400-MS1		Sample					
45		1001400-MSD1		Sample					
46		0B17045-SRD2		Sample					
47		1001400-PS1		Sample					
48		1002144-21		Sample					
49		1002144-22		Sample					
50		1002144-23		Sample					
51		1002144-24		Sample					
52		1002144-25		Sample					

Sample Information

Sample ID: 0B17045-CAL1
Autosampler Position: 1
Sample Date/Time: Wednesday, February 17, 2010 17:27:17
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\0B17045-CAL1.002
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	17005.839					ug/L
	Cr	53	3821.248					ug/L
	Co	59	75.001					ug/L
	Cu	63	286.674					ug/L
	Cu	65	149.336					ug/L
	Zn	66	261.340					ug/L
	Zn	68	1852.558					ug/L
>	Ge	72	358654.054					ug/L
	Se	77	217.338					ug/L
	Se	82	259.459					ug/L
>	Rh	103	258443.009					ug/L
	Ag	107	15.334					ug/L
	Cd	111	4.673					ug/L
	Cd	114	14.898					ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	17221.849			ug/L
Cr	53	3875.888			ug/L
Co	59	70.001			ug/L
Cu	63	280.008			ug/L
Cu	65	158.003			ug/L
Zn	66	261.007			ug/L
Zn	68	1838.221			ug/L
Ge	72	366820.421			ug/L

	Se	77	222.008			ug/L
	Se	82	220.484			ug/L
	Rh	103	254875.484			ug/L
	Ag	107	17.000			ug/L
	Cd	111	1.543			ug/L
	Cd	114	21.088			ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	17008.512			ug/L
Cr	53	3765.688			ug/L
Co	59	78.001			ug/L
Cu	63	280.008			ug/L
Cu	65	134.002			ug/L
Zn	66	241.008			ug/L
Zn	68	1828.218			ug/L
Ge	73	357083.718			ug/L
Se	77	212.008			ug/L
Se	82	232.508			ug/L
Rh	103	263438.704			ug/L
Ag	107	19.000			ug/L
Cd	111	3.738			ug/L
Cd	114	19.150			ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	16788.057			ug/L
Cr	53	3721.868			ug/L
Co	59	77.001			ug/L
Cu	63	280.008			ug/L
Cu	65	134.002			ug/L
Zn	66	282.008			ug/L
Zn	68	1883.234			ug/L
Ge	72	351978.024			ug/L
Se	77	218.008			ug/L
Se	82	324.975			ug/L
Rh	103	257017.828			ug/L
Ag	107	19.000			ug/L
Cd	111	9.736			ug/L
Cd	114	13.449			ug/L

Sample Information

Sample ID: 0B17045-CAL2
Autosampler Position: 9
Sample Date/Time: Wednesday, February 17, 2010 17:30:01
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\0B17045-CAL2.003
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	17980.559	0.001				ug/L
	Cr	53	3929.632	0.000				ug/L
	Co	59	622.029	0.001				ug/L
	Cu	63	605.695	0.001				ug/L
	Cu	65	285.674	0.000				ug/L
	Zn	66	417.348	0.000				ug/L
	Zn	68	1967.585	0.000				ug/L
>	Ge	72	368478.229	368478.229				ug/L
	Se	77	224.672	0.000				ug/L
	Se	82	261.749	-0.000				ug/L
>	Rh	103	259920.208	259920.208				ug/L
	Ag	107	536.689	0.002	0.040000	0.003	7.169	ug/L
	Cd	111	128.432	0.000	0.040000	0.005	12.538	ug/L
	Cd	114	288.925	0.001	0.040000	0.004	8.903	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	18270.188	0.002		ug/L
Cr	53	3877.841	-0.000		ug/L
Co	59	639.031	0.002		ug/L
Cu	63	616.029	0.001		ug/L
Cu	65	270.007	0.000		ug/L
Zn	66	411.014	0.000		ug/L
Zn	68	1976.254	0.000		ug/L
Ge	72	368363.788	368363.788		ug/L

: 00388

I	Se	77	213.008	-0.000		ug/L
L	Se	82	256.736	0.000		ug/L
R	Rh	103	281172.079	281173.079		ug/L
I	Ag	107	488.029	0.002	0.038843	ug/L
I	Cd	111	133.448	0.000	0.041422	ug/L
L	Cd	114	267.886	0.001	0.039889	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	17788.138	0.001		ug/L
Cr	53	3667.884	0.000		ug/L
Co	59	603.528	0.001		ug/L
Cu	63	630.039	0.001		ug/L
Cu	65	283.009	0.000		ug/L
Zn	66	430.016	0.000		ug/L
Zn	68	1992.269	0.000		ug/L
Ge	72	370570.778	370570.778		ug/L
Se	77	228.008	0.000		ug/L
Se	82	238.800	-0.000		ug/L
Rh	103	258844.422	258844.422		ug/L
Ag	107	588.029	0.002	0.043444	ug/L
Cd	111	141.088	0.001	0.044151	ug/L
Cd	114	285.468	0.001	0.039529	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	17985.351	0.002		ug/L
Cr	53	3822.982	0.000		ug/L
Co	59	624.030	0.001		ug/L
Cu	63	571.025	0.001		ug/L
Cu	65	294.008	0.000		ug/L
Zn	66	411.014	0.000		ug/L
Zn	68	1934.244	0.000		ug/L
Ge	72	385480.142	385480.142		ug/L
Se	77	235.008	0.000		ug/L
Se	82	251.709	-0.000		ug/L
Rh	103	258844.134	258844.134		ug/L
Ag	107	544.023	0.002	0.040713	ug/L
Cd	111	110.798	0.000	0.034427	ug/L
Cd	114	313.667	0.001	0.043773	ug/L

Sample Information

Sample ID: 0B17045-CAL3
Autosampler Position: 3
Sample Date/Time: Wednesday, February 17, 2010 17:32:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\0B17045-CAL3.004
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	19465.238	0.005	0.200000	0.013	6.721	ug/L
	Cr	53	4068.368	0.000	0.200000	0.294	147.176	ug/L
	Co	59	3042.920	0.008	0.200000	0.004	2.090	ug/L
	Cu	63	11284.774	0.029	0.200000	0.011	5.722	ug/L
	Cu	65	5433.496	0.014	0.200000	0.010	4.965	ug/L
	Zn	66	1012.072	0.002	0.200000	0.010	4.789	ug/L
	Zn	68	2399.036	0.001	0.200000	0.009	4.563	ug/L
>	Ge	72	373698.328	373698.328				ug/L
	Se	77	268.674	0.000	0.200000	0.078	38.876	ug/L
	Se	82	291.057	0.000	0.200000	0.345	172.636	ug/L
>	Rh	103	262032.129	262032.129				ug/L
	Ag	107	2543.414	0.010	0.199696	0.001	0.708	ug/L
	Cd	111	599.523	0.002	0.199633	0.012	5.839	ug/L
	Cd	114	1394.041	0.005	0.199991	0.010	4.915	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	19726.518	0.006	0.183318	ug/L
Cr	53	4224.113	0.000	0.404890	ug/L
Co	59	3143.624	0.008	0.203382	ug/L
Cu	63	12187.041	0.031	0.213130	ug/L
Cu	65	5755.044	0.015	0.206736	ug/L
Zn	66	982.089	0.002	0.190172	ug/L
Zn	68	2483.389	0.001	0.210538	ug/L
Ge	72	379846.780	379846.780		ug/L

: 00390

	Se	77	268.007	0.000	0.176189	ug/L
	Be	82	338.797	0.000	0.599882	ug/L
	Rh	103	262404.827	262404.827		ug/L
	Ag	107	2536.406	0.010	0.198087	ug/L
	Cd	111	579.203	0.002	0.192431	ug/L
	Cd	114	1345.459	0.005	0.192988	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	19480.891	0.008	0.218474	ug/L
Cr	53	4085.647	0.000	0.332297	ug/L
Co	59	3039.588	0.008	0.201279	ug/L
Cu	63	10811.246	0.029	0.184734	ug/L
Cu	65	5448.834	0.014	0.202088	ug/L
Zn	66	1007.071	0.002	0.200821	ug/L
Zn	68	2389.380	0.001	0.194889	ug/L
Ge	72	371031.621	371031.621		ug/L
Se	77	285.008	0.000	0.298879	ug/L
Be	82	288.083	-0.000	-0.003172	ug/L
Rh	103	257883.838	257883.838		ug/L
Ag	107	2512.404	0.010	0.200583	ug/L
Cd	111	629.334	0.002	0.213082	ug/L
Cd	114	1447.134	0.008	0.211144	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	19208.304	0.004	0.191212	ug/L
Cr	53	3885.948	-0.000	-0.137287	ug/L
Co	59	2945.650	0.008	0.195339	ug/L
Cu	63	10748.032	0.028	0.182138	ug/L
Cu	65	5086.610	0.013	0.189189	ug/L
Zn	66	1037.076	0.002	0.208308	ug/L
Zn	68	2364.388	0.001	0.194774	ug/L
Ge	72	370217.582	370217.582		ug/L
Se	77	253.008	0.000	0.139852	ug/L
Be	82	268.289	0.000	0.004508	ug/L
Rh	103	268007.521	268007.521		ug/L
Ag	107	2581.429	0.010	0.200428	ug/L
Cd	111	580.044	0.002	0.193368	ug/L
Cd	114	1389.829	0.008	0.198242	ug/L

Sample Information

Sample ID: 0B17045-CAL4
Autosampler Position: 4
Sample Date/Time: Wednesday, February 17, 2010 17:35:34
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\0B17045-CAL4.005
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	29890.486	0.034	1.012100	0.054	5.375	ug/L
	Cr	53	5327.089	0.004	1.027672	0.057	5.536	ug/L
	Co	59	14712.124	0.040	1.000150	0.019	1.877	ug/L
	Cu	63	7560.505	0.020	0.801682	0.021	2.562	ug/L
	Cu	65	3528.782	0.009	0.795431	0.005	0.681	ug/L
	Zn	66	2337.685	0.006	0.971646	0.038	3.954	ug/L
	Zn	68	3492.433	0.004	0.983147	0.050	5.123	ug/L
>	Ge	72	367581.775	367581.775				ug/L
	Se	77	448.683	0.001	1.003083	0.186	18.534	ug/L
	Se	82	496.937	0.001	1.022252	0.238	23.243	ug/L
>	Rh	103	261152.618	261152.618				ug/L
	Ag	107	12670.753	0.048	1.000127	0.019	1.879	ug/L
	Cd	111	3025.416	0.012	1.000660	0.018	1.767	ug/L
	Cd	114	6973.154	0.027	1.000479	0.003	0.259	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	30369.614	0.036	1.088630	ug/L
Cr	53	5322.753	0.004	1.047003	ug/L
Co	59	14836.523	0.041	1.021376	ug/L
Cu	63	7350.314	0.018	0.783280	ug/L
Cu	65	3462.782	0.008	0.788386	ug/L
Zn	66	2232.321	0.005	0.928404	ug/L
Zn	68	3584.786	0.005	1.040418	ug/L
Ge	72	365451.945	365451.945		ug/L

Se	77	421.015	0.001	0.891553	ug/L
Se	82	480.159	0.001	0.880760	ug/L
Rh	103	283303.628	283303.628		ug/L
Ag	107	12502.487	0.047	0.978870	ug/L
Cd	111	2988.141	0.011	0.980478	ug/L
Cd	114	7018.988	0.027	0.986531	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	29029.891	0.034	1.011433	ug/L
Cr	53	5388.801	0.004	1.072378	ug/L
Ce	58	14023.791	0.038	0.885718	ug/L
Cu	63	7772.701	0.020	0.823633	ug/L
Cu	65	3552.763	0.009	0.798834	ug/L
Zn	66	2406.371	0.008	1.001827	ug/L
Zn	68	3488.756	0.004	0.963278	ug/L
Ge	72	368140.515	368140.515		ug/L
Se	77	426.015	0.001	0.886883	ug/L
Se	82	452.171	0.001	0.821440	ug/L
Rh	103	259629.047	259629.047		ug/L
Ag	107	12777.817	0.049	1.013648	ug/L
Cd	111	3032.688	0.012	1.008089	ug/L
Cd	114	6968.283	0.027	1.003428	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	28351.884	0.032	0.958037	ug/L
Cr	53	5291.713	0.004	0.983638	ug/L
Ce	58	14678.058	0.040	0.883389	ug/L
Cu	63	7556.502	0.020	0.787883	ug/L
Cu	65	3560.782	0.009	0.797073	ug/L
Zn	66	2375.382	0.008	0.984706	ug/L
Zn	68	3448.747	0.004	0.945748	ug/L
Ge	72	368152.888	368152.888		ug/L
Se	77	488.020	0.001	1.017702	ug/L
Se	82	559.462	0.001	1.284557	ug/L
Rh	103	260328.181	260328.181		ug/L
Ag	107	12731.848	0.049	1.008062	ug/L
Cd	111	3084.437	0.012	1.013408	ug/L
Cd	114	6944.203	0.027	0.998481	ug/L

Sample Information

Sample ID: 0B17045-CAL5
Autosampler Position: 5
Sample Date/Time: Wednesday, February 17, 2010 17:38:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\0B17045-CAL5.006
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	148768.350	0.355	10.005816	0.125	1.251	ug/L
	Cr	53	19383.712	0.042	10.010941	0.088	0.881	ug/L
	Co	59	151482.731	0.410	10.002884	0.055	0.546	ug/L
	Cu	63	75173.037	0.203	10.002382	0.095	0.949	ug/L
	Cu	65	35293.601	0.095	10.003369	0.105	1.053	ug/L
	Zn	66	22215.801	0.059	10.002478	0.200	1.997	ug/L
	Zn	68	19718.507	0.048	10.008693	0.170	1.700	ug/L
>	Ge	72	369650.059	369650.059				ug/L
	Se	77	2474.059	0.006	9.999379	0.338	3.376	ug/L
	Se	82	3372.600	0.008	10.027724	0.430	4.291	ug/L
>	Rh	103	257700.515	257700.515				ug/L
	Ag	107	129532.377	0.503	10.003698	0.150	1.500	ug/L
	Cd	111	30683.446	0.119	10.002994	0.208	2.077	ug/L
	Cd	114	71116.146	0.276	10.003588	0.055	0.545	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	148854.867	0.356	10.043186	ug/L
Cr	53	19488.881	0.042	10.035848	ug/L
Co	59	153031.857	0.412	10.085720	ug/L
Cu	63	75801.950	0.203	10.047373	ug/L
Cu	65	35527.927	0.095	10.029852	ug/L
Zn	66	21804.707	0.058	9.775529	ug/L
Zn	68	19888.382	0.048	9.838655	ug/L
Ge	72	371103.729	371103.729		ug/L

	Se	77	2408.371	0.008	9.655083	ug/L
	Se	82	3302.982	0.008	9.756382	ug/L
	Rh	103	258233.931	258233.931		ug/L
	Ag	107	129886.301	0.486	9.902637	ug/L
	Cd	111	30179.342	0.116	9.778881	ug/L
	Cd	114	71166.536	0.274	9.951866	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	148385.818	0.359	10.108004	ug/L
Cr	53	19272.462	0.042	10.084134	ug/L
Co	59	149334.648	0.408	9.976222	ug/L
Cu	63	73484.394	0.200	9.883373	ug/L
Cu	65	35199.536	0.088	10.082944	ug/L
Zn	66	22283.877	0.060	10.151417	ug/L
Zn	68	19271.490	0.046	9.864723	ug/L
Ge	73	385366.107	385366.107		ug/L
Se	77	2519.408	0.008	10.329881	ug/L
Se	82	3488.480	0.009	10.523835	ug/L
Rh	103	256483.120	256483.120		ug/L
Ag	107	127882.707	0.489	9.932323	ug/L
Cd	111	31111.204	0.121	10.190839	ug/L
Cd	114	71177.348	0.277	10.060323	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	148084.268	0.350	9.882448	ug/L
Cr	53	19378.702	0.041	9.813041	ug/L
Co	59	152081.888	0.405	9.986711	ug/L
Cu	63	76222.788	0.204	10.088400	ug/L
Cu	65	35153.340	0.084	9.867310	ug/L
Zn	66	22356.718	0.060	10.080467	ug/L
Zn	68	20214.880	0.048	10.202882	ug/L
Ge	73	372481.342	372481.342		ug/L
Se	77	2496.389	0.008	10.013233	ug/L
Se	82	3328.339	0.008	9.800882	ug/L
Rh	103	257404.466	257404.466		ug/L
Ag	107	131618.521	0.511	10.178123	ug/L
Cd	111	30798.782	0.119	10.038881	ug/L
Cd	114	71002.191	0.276	9.989645	ug/L

Sample Information

Sample ID: 0B17045-CAL6
Autosampler Position: 6
Sample Date/Time: Wednesday, February 17, 2010 17:41:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\0B17045-CAL6.007
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	272338.636	0.668	19.751908	0.092	0.468	ug/L
	Cr	53	34279.039	0.079	19.795236	0.192	0.970	ug/L
	Co	59	292206.886	0.768	19.733318	0.081	0.411	ug/L
	Cu	63	144515.549	0.379	19.725835	0.202	1.022	ug/L
	Cu	65	68609.988	0.180	19.773475	0.300	1.518	ug/L
	Zn	66	42034.847	0.110	19.674425	0.363	1.848	ug/L
	Zn	68	35802.448	0.089	19.671380	0.352	1.791	ug/L
>	Ge	72	380618.014	380618.014				ug/L
	Se	77	4607.320	0.011	19.765234	0.412	2.086	ug/L
	Se	82	6315.677	0.016	19.776703	0.405	2.048	ug/L
>	Rh	103	259787.187	259787.187				ug/L
	Ag	107	254325.671	0.979	19.894099	0.229	1.150	ug/L
	Cd	111	59500.861	0.229	19.842139	0.121	0.612	ug/L
	Cd	114	139820.229	0.538	19.899253	0.227	1.143	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	273358.184	0.667	19.715828	ug/L
Cr	53	34483.481	0.079	19.777185	ug/L
Co	59	294088.074	0.769	19.777011	ug/L
Cu	63	146221.130	0.381	19.836256	ug/L
Cu	65	68177.433	0.178	19.529416	ug/L
Zn	66	41402.008	0.107	19.254910	ug/L
Zn	68	35857.788	0.089	19.632888	ug/L
Ge	72	382975.274	382975.274		ug/L

: 00396

Se	77	4548.288	0.011	19.371157	ug/L
Se	82	6308.184	0.016	19.614544	ug/L
Rh	103	257584.012	257584.012		ug/L
Ag	107	251282.178	0.976	19.823671	ug/L
Cd	111	58840.674	0.229	19.628718	ug/L
Cd	114	138809.023	0.539	19.842349	ug/L

Repeat 2

Analyte	Mass	Mean Intensity	Net Intensity	Concentration	Report Unit
Cr	52	270874.844	0.906	19.863240	ug/L
Cr	53	34510.656	0.080	19.980573	ug/L
Co	59	280197.245	0.764	19.638761	ug/L
Cu	63	142508.570	0.374	19.483153	ug/L
Cu	65	68185.334	0.179	19.688448	ug/L
Zn	66	42367.852	0.111	19.872801	ug/L
Zn	68	35157.357	0.087	19.338831	ug/L
Ge	72	378801.844	378801.844		ug/L
Se	77	4882.388	0.012	20.183756	ug/L
Se	82	6211.311	0.016	19.477888	ug/L
Rh	103	258228.416	258228.416		ug/L
Ag	107	258084.123	0.982	20.149788	ug/L
Cd	111	56804.276	0.226	19.729086	ug/L
Cd	114	137255.018	0.531	19.653389	ug/L

Repeat 3

Analyte	Mass	Mean Intensity	Net Intensity	Concentration	Report Unit
Cr	52	272585.100	0.872	19.956869	ug/L
Cr	53	33883.001	0.079	19.812979	ug/L
Co	59	281757.340	0.769	19.783183	ug/L
Cu	63	144818.948	0.381	19.648089	ug/L
Cu	65	69467.197	0.183	20.107562	ug/L
Zn	66	42334.883	0.111	19.895484	ug/L
Zn	68	34282.218	0.091	20.041542	ug/L
Ge	72	379078.923	379078.923		ug/L
Se	77	4581.305	0.011	19.730788	ug/L
Se	82	6430.537	0.016	20.237589	ug/L
Rh	103	263578.138	263578.138		ug/L
Ag	107	255850.713	0.970	19.708843	ug/L
Cd	111	60797.434	0.230	19.970803	ug/L
Cd	114	143298.848	0.544	20.102012	ug/L

Sample Information

Sample ID: 0B17045-CAL7
Autosampler Position: 7
Sample Date/Time: Wednesday, February 17, 2010 17:44:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\0B17045-CAL7.008
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	655228.247	1.669	49.888196	0.565	1.132	ug/L
	Cr	53	80260.505	0.200	49.959299	0.850	1.702	ug/L
	Co	59	739595.302	1.938	49.969259	1.232	2.466	ug/L
	Cu	63	363659.089	0.952	49.926813	1.297	2.598	ug/L
	Cu	65	173044.623	0.453	49.965778	0.830	1.661	ug/L
	Zn	66	106871.365	0.279	50.013525	1.339	2.677	ug/L
	Zn	68	88183.003	0.226	49.996012	0.859	1.717	ug/L
>	Ge	72	381783.808	381783.808				ug/L
	Se	77	11255.710	0.029	49.940808	1.413	2.830	ug/L
	Se	82	15307.189	0.039	49.841538	0.641	1.287	ug/L
>	Rh	103	261051.080	261051.080				ug/L
	Ag	107	638342.029	2.445	49.947972	0.010	0.020	ug/L
	Cd	111	148653.710	0.569	49.888201	0.967	1.938	ug/L
	Cd	114	352332.879	1.350	49.984943	0.925	1.851	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Cr	52	655375.194	1.664	50.336804	ug/L
Cr	53	81582.304	0.200	50.154215	ug/L
Co	59	732512.053	1.894	48.856217	ug/L
Cu	63	363673.610	0.940	49.298524	ug/L
Cu	65	174176.138	0.450	49.651464	ug/L
Zn	66	105843.464	0.273	48.798803	ug/L
Zn	68	87838.440	0.222	49.204887	ug/L
Ge	72	389838.798	389838.798		ug/L

	Se	77	11097.485	0.028	48.577358	ug/L
	Se	82	15277.114	0.039	49.101084	ug/L
	Rh	103	280871.788	280871.788		ug/L
	Ag	107	637383.788	2.445	49.845880	ug/L
	Cd	111	145728.833	0.569	48.976366	ug/L
	Cd	114	348666.749	1.343	49.723768	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	652082.834	1.646	49.253719	ug/L
Cr	53	78450.739	0.199	49.023429	ug/L
Ca	58	742313.088	1.929	49.799869	ug/L
Cu	63	380291.916	0.936	49.074089	ug/L
Cu	65	172207.849	0.447	49.336810	ug/L
Zn	66	107239.676	0.276	49.780884	ug/L
Zn	68	88880.023	0.229	49.874442	ug/L
Ge	72	384888.808	384888.808		ug/L
Se	77	11323.802	0.029	49.849811	ug/L
Se	82	15538.143	0.040	50.213449	ug/L
Rh	103	282198.580	282198.580		ug/L
Ag	107	641291.174	2.445	49.989154	ug/L
Cd	111	146004.802	0.569	49.786476	ug/L
Cd	114	348487.310	1.329	49.218179	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	644248.822	1.675	50.074089	ug/L
Cr	53	78736.471	0.203	50.065254	ug/L
Ca	58	743880.784	1.969	51.292702	ug/L
Cu	63	387021.741	0.980	51.418629	ug/L
Cu	65	172749.883	0.461	50.907070	ug/L
Zn	66	107730.988	0.287	51.449788	ug/L
Zn	68	87949.548	0.230	50.808808	ug/L
Ge	72	374023.022	374023.022		ug/L
Se	77	11345.832	0.030	51.399158	ug/L
Se	82	15108.310	0.040	50.210080	ug/L
Rh	103	280282.880	280282.880		ug/L
Ag	107	636361.144	2.445	49.639174	ug/L
Cd	111	151229.486	0.581	50.801741	ug/L
Cd	114	358534.582	1.377	51.012987	ug/L

Sample Information

Sample ID: 0B17045-CAL8
Autosampler Position: 8
Sample Date/Time: Wednesday, February 17, 2010 17:46:51
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\0B17045-CAL8.009
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	1320282.128	3.319	99.817653	1.249	1.251	ug/L
	Cr	53	159096.327	0.395	99.734651	1.690	1.694	ug/L
	Co	59	1489326.374	3.797	99.513342	0.621	0.625	ug/L
	Cu	63	733896.798	1.870	99.551669	1.927	1.936	ug/L
	Cu	65	345711.499	0.881	99.336806	1.985	1.999	ug/L
	Zn	66	218302.209	0.556	99.894515	1.503	1.505	ug/L
	Zn	68	179983.723	0.454	100.101092	0.752	0.751	ug/L
>	Ge	72	392212.937	392212.937				ug/L
	Se	77	23250.639	0.059	100.328796	2.508	2.500	ug/L
	Se	82	31617.531	0.080	100.257957	0.842	0.840	ug/L
>	Rh	103	267356.035	267356.035				ug/L
	Ag	107	1289373.975	4.823	99.652561	0.155	0.155	ug/L
	Cd	111	305317.371	1.142	100.010614	0.307	0.307	ug/L
	Cd	114	710708.393	2.658	99.635287	1.301	1.305	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mean Intensity	Net Intensity	Concentration	Report Unit
Cr	52	1335688.841	3.365	101.147087	ug/L
Cr	53	159729.888	0.397	100.307808	ug/L
Co	59	1497808.886	3.824	100.226584	ug/L
Cu	63	716448.429	1.828	97.336383	ug/L
Cu	65	338329.529	0.864	97.370288	ug/L
Zn	66	215229.104	0.548	98.638830	ug/L
Zn	68	181229.237	0.458	100.880381	ug/L
Ge	72	391588.818	391588.818		ug/L

Se	77	22609.857	0.057	97.694576	ug/L
Se	82	31264.474	0.079	99.285726	ug/L
Rh	103	263813.378	263813.378		ug/L
Ag	107	1274582.750	4.831	99.831053	ug/L
Cd	111	300186.174	1.139	99.685816	ug/L
Cd	114	662330.088	2.524	99.370898	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	1312116.201	3.291	99.669521	ug/L
Cr	53	161980.912	0.400	101.083035	ug/L
Co	59	1482743.503	3.786	99.225324	ug/L
Cu	63	747371.678	1.886	100.857972	ug/L
Cu	65	354488.831	0.889	101.340828	ug/L
Zn	66	216541.666	0.554	99.484172	ug/L
Zn	68	179988.141	0.461	99.562823	ug/L
Ge	72	384253.438	384253.438		ug/L
Se	77	23614.504	0.060	102.688832	ug/L
Se	82	31936.303	0.080	100.748580	ug/L
Rh	103	269270.690	269270.690		ug/L
Ag	107	1287929.666	4.818	99.586883	ug/L
Cd	111	308034.666	1.144	100.169816	ug/L
Cd	114	725319.448	2.694	100.998308	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	1313170.542	3.313	99.637351	ug/L
Cr	53	155988.201	0.387	97.833010	ug/L
Co	59	1477575.830	3.781	99.088137	ug/L
Cu	63	737870.288	1.867	100.458674	ug/L
Cu	65	344309.340	0.861	99.299482	ug/L
Zn	66	221136.626	0.568	101.580542	ug/L
Zn	68	178782.790	0.452	99.780302	ug/L
Ge	72	380788.754	380788.754		ug/L
Se	77	23227.558	0.059	100.802880	ug/L
Se	82	31852.915	0.080	100.741387	ug/L
Rh	103	268983.838	268983.838		ug/L
Ag	107	1298009.250	4.816	99.554038	ug/L
Cd	111	307720.983	1.144	100.190308	ug/L
Cd	114	714475.838	2.658	99.585888	ug/L

Quantitative Analysis Calibration Report

File Name:
File Path:
Calibration Type: External Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Cr	51.941	Linear Thru Zero	0.03	0.00	0.999979
Cr	52.941	Linear Thru Zero	0.00	0.00	0.999978
Co	58.933	Linear Thru Zero	0.04	0.00	0.999946
Cu	62.930	Linear Thru Zero	0.02	0.00	0.999950
Cu	64.928	Linear Thru Zero	0.01	0.00	0.999916
Zn	65.926	Linear Thru Zero	0.01	0.00	0.999977
Zn	67.925	Linear Thru Zero	0.00	0.00	0.999977
Ge	71.922	Linear Thru Zero	0.00	0.00	0.000000
Se	76.920	Linear Thru Zero	0.00	0.00	0.999971
Se	81.917	Linear Thru Zero	0.00	0.00	0.999970
Rh	102.905	Linear Thru Zero	0.00	0.00	0.000000
Ag	106.905	Linear Thru Zero	0.05	0.00	0.999977
Cd	110.904	Linear Thru Zero	0.01	0.00	0.999992
Cd	113.904	Linear Thru Zero	0.03	0.00	0.999976

Method Equation

Analyte	Mass	Corrections
Se	81.917	-1.007833 *Kr 83
Cd	110.904	-1.048986213 *(MoO 108 -(0.712 *Pd 106))
Cd	113.904	-0.027250 * Sn 118

Sample Information

Sample ID: 0B17045-SCV
Autosampler Position: 2
Sample Date/Time: Wednesday, February 17, 2010 17:52:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\0B17045-SCV.010
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	526566.196	1.346	40.483756	0.168	0.416	ug/L
	Cr	53	65265.229	0.162	40.927779	0.683	1.670	ug/L
	Co	59	600748.203	1.590	41.661122	0.199	0.479	ug/L
	Cu	63	292169.886	0.772	41.113449	0.264	0.643	ug/L
	Cu	65	140230.478	0.371	41.801308	0.660	1.579	ug/L
	Zn	66	85408.056	0.225	40.495357	1.196	2.953	ug/L
	Zn	68	71135.734	0.183	40.397459	0.876	2.169	ug/L
>	Ge	72	377881.193	377881.193				ug/L
	Se	77	8990.271	0.023	39.652031	0.814	2.052	ug/L
	Se	82	12347.122	0.032	40.101949	0.610	1.521	ug/L
>	Rh	103	261591.373	261591.373				ug/L
	Ag	107	520325.617	1.989	41.104983	0.465	1.130	ug/L
	Cd	111	118597.074	0.453	39.707498	0.310	0.781	ug/L
	Cd	114	277600.873	1.061	39.783913	0.646	1.623	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	105.361
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.218
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mean Intensity	Net Intensity	Concentration	Report Unit
Cr	52	532530.857	1.343	40.378222	ug/L
Cr	53	65043.501	0.159	40.180838	ug/L
Co	59	606372.654	1.583	41.475813	ug/L
Cu	63	294280.086	0.787	40.838882	ug/L
Cu	65	139780.111	0.364	41.086830	ug/L
Zn	66	83697.044	0.216	39.128882	ug/L
Zn	68	70493.807	0.179	39.454544	ug/L
Ge	72	383112.388	383112.388		ug/L

	Se	77	8831.973	0.023	39.830766	ug/L
	Se	82	12314.589	0.031	39.431072	ug/L
	Rh	103	258984.648	258984.648		ug/L
	Ag	107	516231.864	1.988	41.234893	ug/L
	Cd	111	117885.888	0.454	39.748832	ug/L
	Cd	114	275556.788	1.061	39.774087	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	520858.440	1.343	40.383978	ug/L
Cr	53	85598.816	0.164	41.520882	ug/L
Co	59	586307.788	1.588	41.871888	ug/L
Cu	63	291308.884	0.777	41.387037	ug/L
Cu	65	138308.152	0.372	41.804091	ug/L
Zn	66	85713.406	0.228	41.008079	ug/L
Zn	66	70756.843	0.184	40.551115	ug/L
Ge	72	374439.100	374439.100		ug/L
Se	77	8912.803	0.023	39.887354	ug/L
Se	82	12280.568	0.032	40.251432	ug/L
Rh	103	258352.184	258352.184		ug/L
Ag	107	516772.089	2.008	41.460760	ug/L
Cd	111	117886.868	0.467	39.884867	ug/L
Cd	114	278884.218	1.079	40.434437	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	526509.462	1.353	40.678089	ug/L
Cr	53	85183.888	0.163	41.081707	ug/L
Co	59	587584.188	1.588	41.838887	ug/L
Cu	63	290943.576	0.773	41.133488	ug/L
Cu	65	141582.171	0.378	42.404080	ug/L
Zn	66	86513.716	0.230	41.351032	ug/L
Zn	66	72154.750	0.187	41.186719	ug/L
Ge	72	378082.113	378082.113		ug/L
Se	77	9128.088	0.024	40.457873	ug/L
Se	82	12448.228	0.032	40.623343	ug/L
Rh	103	288737.308	288737.308		ug/L
Ag	107	523972.838	1.984	40.588308	ug/L
Cd	111	119838.876	0.458	39.378874	ug/L
Cd	114	278551.614	1.044	39.143234	ug/L

Sample Information

Sample ID: 0B17045-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, February 17, 2010 17:57:05
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\0B17045-CCB.011
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	16669.490	-0.002	-0.066709	0.026	39.016	ug/L
	Cr	53	3813.577	-0.000	-0.079745	0.036	44.690	ug/L
	Co	59	73.334	-0.000	-0.000272	0.001	229.905	ug/L
	Cu	63	310.342	0.000	0.002245	0.001	52.121	ug/L
	Cu	65	155.670	0.000	0.000625	0.003	480.761	ug/L
	Zn	66	258.340	-0.000	-0.005049	0.008	154.292	ug/L
	Zn	68	1800.213	-0.000	-0.062612	0.040	63.455	ug/L
>	Ge	72	368848.486	368848.486				ug/L
	Se	77	230.005	0.000	0.030044	0.067	222.708	ug/L
	Se	82	230.393	-0.000	-0.125105	0.208	166.224	ug/L
>	Rh	103	258261.810	258261.810				ug/L
	Ag	107	52.334	0.000	0.002960	0.001	20.380	ug/L
	Cd	111	6.063	0.000	0.000469	0.001	257.560	ug/L
	Cd	114	18.781	0.000	0.000565	0.000	39.106	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.842
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.930
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	16521.526	-0.003	-0.081016	ug/L
Cr	53	3878.841	-0.000	-0.058737	ug/L
Co	59	77.001	-0.000	-0.000088	ug/L
Cu	63	304.008	0.000	0.000831	ug/L
Cu	65	168.003	0.000	0.003647	ug/L
Zn	66	244.008	-0.000	-0.013133	ug/L
Zn	68	1741.198	-0.000	-0.107486	ug/L
Ge	72	372194.819	372194.819		ug/L

[illegible]	Se	77	238.008	0.000	0.057285	ug/L
[illegible]	Se	82	302.726	0.000	0.112988	ug/L
[illegible]	Rh	103	258384.816	258384.816		ug/L
[illegible]	Ag	107	81.001	0.000	0.000634	ug/L
[illegible]	Cd	111	6.232	0.000	0.001198	ug/L
[illegible]	Cd	114	19.774	0.000	0.000897	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
[illegible] Cr	52	16589.882	-0.000	-0.089962	ug/L
[illegible] Cr	53	3632.826	-0.000	-0.039608	ug/L
[illegible] Co	59	80.001	0.000	0.000218	ug/L
[illegible] Cu	63	316.009	0.000	0.003178	ug/L
[illegible] Cu	65	147.003	-0.000	-0.001668	ug/L
[illegible] Zn	66	273.007	0.000	0.002408	ug/L
[illegible] Zn	66	1647.223	-0.000	-0.031639	ug/L
[illegible] Ge	72	367800.243	367800.243		ug/L
[illegible] Se	77	213.008	-0.000	-0.046185	ug/L
[illegible] Se	82	202.741	-0.000	-0.216282	ug/L
[illegible] Rh	103	256367.320	256367.320		ug/L
[illegible] Ag	107	50.001	0.000	0.002773	ug/L
[illegible] Cd	111	8.029	0.000	0.001138	ug/L
[illegible] Cd	114	17.030	0.000	0.000310	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
[illegible] Cr	52	16897.263	-0.001	-0.038248	ug/L
[illegible] Cr	53	3728.671	-0.000	-0.120884	ug/L
[illegible] Co	59	83.001	-0.000	-0.000875	ug/L
[illegible] Cu	63	311.009	0.000	0.002829	ug/L
[illegible] Cu	65	152.003	-0.000	-0.000179	ug/L
[illegible] Zn	66	256.007	-0.000	-0.004421	ug/L
[illegible] Zn	66	1612.215	-0.000	-0.048532	ug/L
[illegible] Ge	72	368450.386	368450.386		ug/L
[illegible] Se	77	239.008	0.000	0.079083	ug/L
[illegible] Se	82	185.708	-0.000	-0.271887	ug/L
[illegible] Rh	103	257083.188	257083.188		ug/L
[illegible] Ag	107	46.001	0.000	0.002472	ug/L
[illegible] Cd	111	1.930	-0.000	-0.000826	ug/L
[illegible] Cd	114	19.539	0.000	0.000886	ug/L

Sample Information

Sample ID: 0B17045-CRL1
Autosampler Position: 3
Sample Date/Time: Wednesday, February 17, 2010 17:59:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\0B17045-CRL1.012
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	19951.395	0.006	0.177708	0.025	14.111	ug/L
	Cr	53	4089.378	0.000	0.069723	0.057	81.586	ug/L
	Co	59	3053.923	0.008	0.208444	0.001	0.474	ug/L
	Cu	63	13427.945	0.035	1.867824	0.012	0.637	ug/L
	Cu	65	6444.557	0.017	1.895303	0.047	2.501	ug/L
	Zn	66	985.068	0.002	0.342215	0.002	0.487	ug/L
	Zn	68	2374.695	0.001	0.260852	0.026	10.041	ug/L
>	Ge	72	374131.603	374131.603				ug/L
	Se	77	268.007	0.000	0.188646	0.024	12.729	ug/L
	Se	82	298.031	0.000	0.092041	0.066	71.840	ug/L
>	Rh	103	256618.872	256618.872				ug/L
	Ag	107	2646.447	0.010	0.211839	0.004	1.813	ug/L
	Cd	111	624.892	0.002	0.211705	0.004	1.664	ug/L
	Cd	114	1390.141	0.005	0.200910	0.001	0.628	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	104.315
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.294
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	20400.143	0.007	0.202323	ug/L
Cr	53	4104.081	0.000	0.080080	ug/L
Co	59	3060.804	0.008	0.209484	ug/L
Cu	63	13523.089	0.036	1.887818	ug/L
Cu	65	6501.600	0.017	1.886733	ug/L
Zn	66	980.089	0.002	0.341287	ug/L
Zn	68	2344.353	0.001	0.233129	ug/L
Ge	72	376783.317	376783.317		ug/L

Se	77	274.007	0.000	0.207328	ug/L
Se	82	282.895	0.000	0.034676	ug/L
Rh	103	253087.194	253087.194		ug/L
Ag	107	2555.417	0.010	0.207411	ug/L
Cd	111	623.656	0.002	0.214229	ug/L
Cd	114	1380.483	0.006	0.202308	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	18880.889	0.008	0.178809	ug/L
Cr	53	4163.091	0.001	0.130812	ug/L
Co	59	3028.561	0.006	0.207534	ug/L
Cu	63	13458.891	0.035	1.879716	ug/L
Cu	65	6258.410	0.016	1.846278	ug/L
Zn	66	979.087	0.002	0.341237	ug/L
Zn	68	2408.371	0.001	0.285186	ug/L
Ge	72	372820.216	372820.216		ug/L
Se	77	281.007	0.000	0.161981	ug/L
Se	82	318.384	0.000	0.184368	ug/L
Rh	103	257368.128	257368.128		ug/L
Ag	107	2678.457	0.010	0.213827	ug/L
Cd	111	631.182	0.002	0.213208	ug/L
Cd	114	1386.841	0.006	0.199861	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	19573.156	0.008	0.152198	ug/L
Cr	53	4001.000	0.000	0.016377	ug/L
Co	59	3042.566	0.006	0.208308	ug/L
Cu	63	13303.744	0.035	1.855837	ug/L
Cu	65	6879.659	0.017	1.840902	ug/L
Zn	66	986.088	0.002	0.344140	ug/L
Zn	68	2373.382	0.001	0.284343	ug/L
Ge	72	372991.278	372991.278		ug/L
Se	77	268.007	0.000	0.197047	ug/L
Se	82	292.743	0.000	0.077088	ug/L
Rh	103	258410.298	258410.298		ug/L
Ag	107	2709.486	0.010	0.214278	ug/L
Cd	111	619.836	0.002	0.207880	ug/L
Cd	114	1402.980	0.005	0.200573	ug/L

Sample Information

Sample ID: 0B17045-CRL2
Autosampler Position: 4
Sample Date/Time: Wednesday, February 17, 2010 18:02:37
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\0B17045-CRL2.013
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	29577.043	0.032	0.955786	0.055	5.792	ug/L
	Cr	53	5391.131	0.004	0.954898	0.080	8.393	ug/L
	Co	59	14768.557	0.039	1.030860	0.005	0.479	ug/L
	Cu	63	7543.488	0.019	1.032640	0.021	2.076	ug/L
	Cu	65	3632.495	0.009	1.049894	0.028	2.665	ug/L
	Zn	66	2369.694	0.006	1.009418	0.035	3.503	ug/L
	Zn	68	3593.144	0.004	0.983166	0.047	4.820	ug/L
>	Ge	72	373476.656	373476.656				ug/L
	Se	77	433.349	0.001	0.947609	0.063	6.660	ug/L
	Se	82	501.488	0.001	0.777871	0.144	18.497	ug/L
>	Rh	103	259299.388	259299.388				ug/L
	Ag	107	12694.459	0.049	1.010317	0.006	0.592	ug/L
	Cd	111	3004.519	0.012	1.013264	0.005	0.527	ug/L
	Cd	114	6941.030	0.027	1.001219	0.013	1.284	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	104.133
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.331
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	30224.013	0.033	0.981018	ug/L
Cr	53	5445.833	0.004	0.966182	ug/L
Co	59	14852.562	0.040	1.036537	ug/L
Cu	63	7522.488	0.019	1.022128	ug/L
Cu	65	3576.803	0.008	1.025484	ug/L
Zn	66	2301.341	0.005	0.968743	ug/L
Zn	68	3525.781	0.004	0.928788	ug/L
Ge	72	378078.438	378078.438		ug/L

Se	77	452.017	0.001	1.019088	ug/L
Se	82	455.706	0.000	0.812811	ug/L
Rh	103	254053.893	254053.893		ug/L
Ag	107	12362.288	0.048	1.004252	ug/L
Cd	111	2980.082	0.012	1.018638	ug/L
Cd	114	6787.943	0.027	0.998368	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	29886.007	0.033	0.864368	ug/L
Cr	53	5451.837	0.004	1.028808	ug/L
Co	59	14802.829	0.038	1.028481	ug/L
Cu	63	7648.388	0.020	1.057303	ug/L
Cu	65	3700.858	0.010	1.060418	ug/L
Zn	66	7384.386	0.008	1.028852	ug/L
Zn	68	3615.830	0.005	1.015540	ug/L
Ge	72	370161.752	370151.752		ug/L
Se	77	419.018	0.001	0.898504	ug/L
Se	82	526.382	0.001	0.878807	ug/L
Rh	103	261388.021	261388.021		ug/L
Ag	107	12799.948	0.049	1.010488	ug/L
Cd	111	3027.150	0.012	1.012763	ug/L
Cd	114	6913.548	0.028	0.998360	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	28841.110	0.030	0.881978	ug/L
Cr	53	5276.722	0.003	0.989708	ug/L
Co	59	14750.180	0.038	1.027564	ug/L
Cu	63	7459.412	0.019	1.018491	ug/L
Cu	65	3619.622	0.009	1.043789	ug/L
Zn	66	2423.377	0.008	1.032858	ug/L
Zn	68	3637.830	0.005	1.005191	ug/L
Ge	72	374201.787	374201.787		ug/L
Se	77	429.018	0.001	0.924254	ug/L
Se	82	522.386	0.001	0.843888	ug/L
Rh	103	262478.181	262478.181		ug/L
Ag	107	12924.143	0.049	1.018213	ug/L
Cd	111	3026.326	0.012	1.008181	ug/L
Cd	114	7121.602	0.027	1.014891	ug/L

Sample Information

Sample ID: 0B17045-IFA1
Autosampler Position: 10
Sample Date/Time: Wednesday, February 17, 2010 18:05:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\0B17045-IFA1.014
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	19129.456	0.002	0.059487	0.007	12.513	ug/L
	Cr	53	4991.211	0.002	0.563898	0.008	1.378	ug/L
	Co	59	184.337	0.000	0.006993	0.001	9.558	ug/L
	Cu	63	2154.300	0.005	0.253538	0.003	1.292	ug/L
	Cu	65	1048.410	0.002	0.258351	0.012	4.778	ug/L
	Zn	66	3889.280	0.009	1.673689	0.036	2.131	ug/L
	Zn	68	3926.297	0.005	1.097159	0.032	2.932	ug/L
>	Ge	72	387290.079	387290.079				ug/L
	Se	77	405.014	0.000	0.752396	0.090	11.973	ug/L
	Se	82	186.250	-0.000	-0.304829	0.086	28.117	ug/L
>	Rh	103	242127.386	242127.386				ug/L
	Ag	107	127.669	0.000	0.009673	0.001	8.283	ug/L
	Cd	111	65.518	0.000	0.022063	0.015	68.007	ug/L
	Cd	114	1816.551	0.007	0.279112	0.009	3.365	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	107.984
	Se	76.920	
	Se	81.917	
>	Rh	102.905	93.687
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	19295.508	0.002	0.063486	ug/L
Cr	53	5007.564	0.002	0.556088	ug/L
Co	59	177.004	0.000	0.006430	ug/L
Cu	63	2139.298	0.005	0.248808	ug/L
Cu	65	1043.076	0.002	0.256019	ug/L
Zn	66	3849.828	0.009	1.645389	ug/L
Zn	68	3883.944	0.005	1.080404	ug/L
Ge	72	388491.151	388491.151		ug/L

	Se	77	410.014	0.000	0.783974	ug/L
	Se	82	204.108	-0.000	-0.250222	ug/L
	Rh	103	243758.123	243758.123		ug/L
	Ag	107	118.002	0.000	0.006777	ug/L
	Cd	111	58.398	0.000	0.018398	ug/L
	Cd	114	1621.386	0.007	0.277831	ug/L

Repeat 2

Analyte	Mass	Mean Intensity	Net Intensity	Concentration	Report Unit
Cr	52	19083.036	0.002	0.050883	ug/L
Cr	53	5022.583	0.002	0.571638	ug/L
Ce	58	186.004	0.000	0.007732	ug/L
Cu	63	2180.357	0.008	0.259842	ug/L
Cu	65	1017.072	0.002	0.248018	ug/L
Zn	66	3960.888	0.010	1.713749	ug/L
Zn	66	3965.883	0.008	1.110879	ug/L
Ge	72	388797.670	388797.670		ug/L
Se	77	388.013	0.000	0.657123	ug/L
Se	82	200.818	-0.000	-0.280851	ug/L
Rh	103	239812.007	239812.007		ug/L
Ag	107	134.002	0.000	0.010320	ug/L
Cd	111	27.801	0.000	0.008569	ug/L
Cd	114	1462.854	0.008	0.269038	ug/L

Repeat 3

Analyte	Mass	Mean Intensity	Net Intensity	Concentration	Report Unit
Cr	52	18988.926	0.002	0.063870	ug/L
Cr	53	4843.516	0.002	0.563881	ug/L
Ce	58	180.004	0.000	0.008818	ug/L
Cu	63	2143.287	0.008	0.254888	ug/L
Cu	65	1086.081	0.002	0.272019	ug/L
Zn	66	3828.917	0.009	1.661857	ug/L
Zn	66	3829.865	0.008	1.120194	ug/L
Ge	72	383661.216	383661.216		ug/L
Se	77	420.018	0.000	0.836181	ug/L
Se	82	154.127	-0.000	-0.403818	ug/L
Rh	103	242811.029	242811.029		ug/L
Ag	107	131.002	0.000	0.009922	ug/L
Cd	111	110.358	0.000	0.038221	ug/L
Cd	114	1765.313	0.007	0.270368	ug/L

Sample Information

Sample ID: 0B17045-IFB1
Autosampler Position: 11
Sample Date/Time: Wednesday, February 17, 2010 18:10:28
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\0B17045-IFB1.015
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	284259.777	0.697	20.959265	0.091	0.436	ug/L
	Cr	53	36255.404	0.084	21.283472	0.558	2.622	ug/L
	Co	59	300896.876	0.788	20.643783	0.276	1.339	ug/L
	Cu	63	142639.332	0.373	19.835749	0.130	0.655	ug/L
	Cu	65	68278.683	0.178	20.111406	0.422	2.097	ug/L
	Zn	66	47007.053	0.122	21.987163	0.441	2.007	ug/L
	Zn	68	38280.109	0.095	20.972673	0.056	0.268	ug/L
>	Ge	72	381922.301	381922.301				ug/L
	Se	77	4667.020	0.012	19.859826	0.110	0.554	ug/L
	Se	82	6032.336	0.015	18.916689	0.584	3.087	ug/L
>	Rh	103	240418.490	240418.490				ug/L
	Ag	107	231965.236	0.965	19.932762	0.234	1.173	ug/L
	Cd	111	54537.939	0.227	19.866120	0.060	0.302	ug/L
	Cd	114	128159.978	0.533	19.981038	0.115	0.575	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	106.488
	Se	76.920	
	Se	81.917	
>	Rh	102.905	93.026
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	283328.787	0.696	20.886568	ug/L
Cr	53	36197.808	0.085	21.383784	ug/L
Co	59	299898.825	0.788	20.563438	ug/L
Cu	63	141524.028	0.372	19.761077	ug/L
Cu	65	68540.263	0.178	19.887708	ug/L
Zn	66	45784.887	0.120	21.521609	ug/L
Zn	68	38104.296	0.095	20.962965	ug/L
Ge	72	379886.378	379886.378		ug/L

Se	77	4822.329	0.012	19.764344	ug/L
Se	82	5880.231	0.015	18.875320	ug/L
Rh	103	235326.301	235326.301		ug/L
Ag	107	224178.553	0.952	19.688511	ug/L
Cd	111	53801.863	0.229	19.830022	ug/L
Cd	114	126249.837	0.536	20.091057	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	285787.672	0.883	20.854717	ug/L
Cr	53	35717.738	0.082	20.888080	ug/L
Ce	59	300298.952	0.779	20.398089	ug/L
Cu	63	143146.880	0.375	19.864138	ug/L
Cu	65	68912.449	0.178	20.086629	ug/L
Zn	66	47583.986	0.123	22.040374	ug/L
Zn	68	36753.267	0.085	21.023107	ug/L
Ge	72	385787.781	385787.781		ug/L
Se	77	4708.377	0.012	19.634725	ug/L
Se	82	5821.141	0.015	18.354834	ug/L
Rh	103	243547.054	243547.054		ug/L
Ag	107	236871.430 *	0.973	20.104181	ug/L
Cd	111	55085.643	0.228	19.810640	ug/L
Cd	114	129883.524	0.533	19.980167	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	283882.872	0.886	21.024612	ug/L
Cr	53	36850.888	0.086	21.797083	ug/L
Ce	59	303724.649	0.788	20.541625	ug/L
Cu	63	141246.408	0.371	19.742036	ug/L
Cu	65	68383.338	0.182	20.540864	ug/L
Zn	66	47642.274	0.125	22.398807	ug/L
Zn	68	37982.743	0.086	20.911827	ug/L
Ge	72	380003.745	380003.745		ug/L
Se	77	4670.366	0.012	19.980207	ug/L
Se	82	6185.837	0.016	19.520213	ug/L
Rh	103	242182.114	242182.114		ug/L
Ag	107	234745.728	0.969	20.027586	ug/L
Cd	111	54918.080	0.227	19.857488	ug/L
Cd	114	128338.774	0.530	19.881880	ug/L

Sample Information

Sample ID: 0B17045-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, February 17, 2010 18:15:34
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\0B17045-CCV.016
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	553676.571	1.364	41.011222	0.990	2.413	ug/L
	Cr	53	67646.822	0.162	40.836245	0.285	0.698	ug/L
	Co	59	618400.165	1.576	41.294721	0.452	1.094	ug/L
	Cu	63	297838.730	0.758	40.352691	0.081	0.200	ug/L
	Cu	65	141319.030	0.360	40.557559	0.395	0.973	ug/L
	Zn	66	88361.558	0.224	40.333271	0.402	0.997	ug/L
	Zn	68	72396.848	0.179	39.562240	0.534	1.351	ug/L
>	Ge	72	392448.254	392448.254				ug/L
	Se	77	9280.259	0.023	39.396118	0.566	1.436	ug/L
	Se	82	12405.072	0.031	38.755245	0.750	1.936	ug/L
>	Rh	103	258896.950	258896.950				ug/L
	Ag	107	504331.212	1.948	40.256273	0.821	2.038	ug/L
	Cd	111	116470.384	0.450	39.405475	0.541	1.373	ug/L
	Cd	114	273399.851	1.056	39.588984	0.741	1.872	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	109.423
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.176
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	557227.840	1.391	41.840189	ug/L
Cr	53	68815.251	0.162	40.832588	ug/L
Co	59	617143.988	1.583	41.791208	ug/L
Cu	63	293813.188	0.758	40.345808	ug/L
Cu	65	139840.808	0.361	40.660228	ug/L
Zn	66	87802.048	0.228	40.851018	ug/L
Zn	68	72447.275	0.182	40.123884	ug/L
Ge	72	387343.419	387343.419		ug/L

Se	77	9010.999	0.023	38.744427	ug/L
Se	82	11995.599	0.030	37.924555	ug/L
Rh	103	252368.797	252368.797		ug/L
Ag	107	480548.288	1.944	40.184198	ug/L
Cd	111	114423.888	0.453	39.708991	ug/L
Cd	114	269880.882	1.057	39.608248	ug/L

Repeat 2

Analyte	Mass	Mean Intensity	Net Intensity	Concentration	Report Unit
Cr	52	360146.088	1.372	41.277817	ug/L
Cr	53	87459.844	0.169	40.815489	ug/L
Co	59	614644.888	1.559	40.847842	ug/L
Cu	63	300017.064	0.760	40.438611	ug/L
Cu	65	143150.472	0.362	40.888888	ug/L
Zn	66	69122.828	0.226	40.487371	ug/L
Zn	68	71693.418	0.177	39.080008	ug/L
Ge	72	394488.742	394488.742		ug/L
Se	77	8384.388	0.023	39.884904	ug/L
Se	82	12531.768	0.031	38.857588	ug/L
Rh	103	265278.788	265278.788		ug/L
Ag	107	508834.748	1.911	39.489834	ug/L
Cd	111	117471.907	0.443	38.780643	ug/L
Cd	114	274887.203	1.036	38.838130	ug/L

Repeat 3

Analyte	Mass	Mean Intensity	Net Intensity	Concentration	Report Unit
Cr	52	543668.772	1.327	39.815863	ug/L
Cr	53	88525.272	0.183	41.080880	ug/L
Co	59	623111.308	1.578	41.285313	ug/L
Cu	63	298588.809	0.757	40.275864	ug/L
Cu	65	140698.012	0.356	40.113798	ug/L
Zn	66	68059.701	0.222	39.681429	ug/L
Zn	68	72689.853	0.179	39.502848	ug/L
Ge	72	395501.803	395501.803		ug/L
Se	77	8436.433	0.023	39.799123	ug/L
Se	82	12697.651	0.031	39.383994	ug/L
Rh	103	258048.288	258048.288		ug/L
Ag	107	515608.818	1.980	41.119329	ug/L
Cd	111	117516.780	0.454	39.728621	ug/L
Cd	114	278451.397	1.076	40.319878	ug/L

Sample Information

Sample ID: 0B17045-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, February 17, 2010 18:20:39
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\0B17045-CCB.017
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	16765.683	-0.004	-0.106457	0.008	7.934	ug/L
	Cr	53	3629.160	-0.001	-0.292680	0.056	18.980	ug/L
	Co	59	67.668	-0.000	-0.000844	0.001	64.768	ug/L
	Cu	63	321.676	0.000	0.002262	0.003	115.089	ug/L
	Cu	65	159.003	-0.000	-0.000006	0.003	56002.934	ug/L
	Zn	66	258.340	-0.000	-0.009394	0.009	91.824	ug/L
	Zn	68	1853.225	-0.000	-0.069296	0.060	86.378	ug/L
>	Ge	72	382132.703	382132.703				ug/L
	Se	77	228.672	-0.000	-0.013140	0.036	271.726	ug/L
	Se	82	220.772	-0.000	-0.183408	0.093	50.724	ug/L
>	Rh	103	254041.570	254041.570				ug/L
	Ag	107	45.001	0.000	0.002434	0.001	26.775	ug/L
	Cd	111	10.541	0.000	0.002054	0.001	29.874	ug/L
	Cd	114	15.083	0.000	0.000064	0.000	423.223	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	106.546
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.297
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B17045-CCB	Cr	53	

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Cr	52	16782.088	-0.004	-0.114918	ug/L
Cr	53	3728.870	-0.001	-0.247188	ug/L
Co	59	75.001	-0.000	-0.000379	ug/L
Cu	63	308.009	-0.000	-0.000259	ug/L
Cu	65	151.003	-0.000	-0.002746	ug/L
Zn	66	256.007	-0.000	-0.010576	ug/L
Zn	68	1886.234	-0.000	-0.054050	ug/L

: 00417

	Ge	72	385185.758	385185.758		ug/L
	Se	77	228.008	-0.000	-0.024020	ug/L
	Se	82	254.271	-0.000	-0.079449	ug/L
	Rh	103	252708.888	252708.888		ug/L
	Ag	107	53.001	0.000	0.003108	ug/L
	Cd	111	10.436	0.000	0.002033	ug/L
	Cd	114	18.473	0.000	0.000283	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	16670.228	-0.004	-0.108427	ug/L
Cr	53	3675.847	-0.001	-0.276286	ug/L
Co	59	70.001	-0.000	-0.000708	ug/L
Cu	63	343.010	0.000	0.004940	ug/L
Cu	65	157.003	-0.000	-0.000908	ug/L
Zn	66	243.008	-0.000	-0.017368	ug/L
Zn	68	1750.201	-0.001	-0.125301	ug/L
Ge	72	384488.841	384488.841		ug/L
Se	77	238.008	0.000	0.028739	ug/L
Se	82	313.204	-0.000	-0.211980	ug/L
Rh	103	253100.888	252100.888		ug/L
Ag	107	37.000	0.000	0.001807	ug/L
Cd	111	12.288	0.000	0.002879	ug/L
Cd	114	12.928	-0.000	-0.000239	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	19634.783	-0.003	-0.088028	ug/L
Cr	53	3484.783	-0.001	-0.354568	ug/L
Co	59	58.001	-0.000	-0.001448	ug/L
Cu	63	316.008	0.000	0.002104	ug/L
Cu	65	169.003	0.000	0.003638	ug/L
Zn	66	274.007	-0.000	-0.000238	ug/L
Zn	68	1914.239	-0.000	-0.018537	ug/L
Ge	72	378723.710	378723.710		ug/L
Se	77	218.008	-0.000	-0.042138	ug/L
Se	82	194.842	-0.000	-0.258602	ug/L
Rh	103	257313.758	257313.758		ug/L
Ag	107	45.001	0.000	0.002388	ug/L
Cd	111	8.918	0.000	0.001452	ug/L
Cd	114	15.848	0.000	0.000148	ug/L

Sample Information

Sample ID: 1001399-BLK1
Autosampler Position: 17
Sample Date/Time: Wednesday, February 17, 2010 18:23:25
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1001399-BLK1.018
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	21955.439	0.008	0.247476	0.026	10.453	ug/L
	Cr	53	3976.656	-0.001	-0.145297	0.084	57.912	ug/L
	Co	59	84.335	0.000	0.000120	0.001	445.403	ug/L
	Cu	63	1113.085	0.002	0.107616	0.005	4.413	ug/L
	Cu	65	507.021	0.001	0.097964	0.010	9.813	ug/L
	Zn	66	4501.928	0.011	1.919439	0.068	3.539	ug/L
	Zn	68	5163.985	0.008	1.747673	0.016	0.940	ug/L
>	Ge	72	394585.785	394585.785				ug/L
	Se	77	251.006	0.000	0.051507	0.023	44.756	ug/L
	Se	82	220.246	-0.000	-0.207247	0.050	23.899	ug/L
>	Rh	103	261612.426	261612.426				ug/L
	Ag	107	42.334	0.000	0.002115	0.001	30.172	ug/L
	Cd	111	5.840	0.000	0.000368	0.002	412.974	ug/L
	Cd	114	17.017	0.000	0.000276	0.001	265.835	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	110.018
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.226
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	22158.646	0.009	0.269242	ug/L
Cr	53	4082.040	-0.000	-0.068382	ug/L
Co	59	75.001	-0.000	-0.000461	ug/L
Cu	63	1144.080	0.002	0.112359	ug/L
Cu	65	538.023	0.001	0.107654	ug/L
Zn	66	4415.213	0.011	1.887356	ug/L
Zn	68	5138.821	0.008	1.731833	ug/L
Ge	72	393124.984	393124.984		ug/L

: 00419

	Se	77	251.008	0.000	0.055588	ug/L
	Se	82	231.042	-0.000	-0.170324	ug/L
	Rh	103	258282.809	258282.809		ug/L
	Ag	107	33.000	0.000	0.001404	ug/L
	Cd	111	5.179	0.000	0.000188	ug/L
	Cd	114	12.529	-0.000	-0.000348	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	22002.280	0.008	0.254306	ug/L
Cr	53	3982.988	-0.001	-0.132324	ug/L
Ca	58	67.001	0.000	0.000304	ug/L
Cu	63	1112.086	0.002	0.107630	ug/L
Cu	65	506.020	0.001	0.097807	ug/L
Zn	66	4886.354	0.011	1.997466	ug/L
Zn	68	5188.887	0.008	1.784817	ug/L
Ge	72	394180.228	394180.228		ug/L
Se	77	245.008	0.000	0.020886	ug/L
Se	82	228.138	-0.000	-0.187884	ug/L
Rh	103	281986.428	281986.428		ug/L
Ag	107	48.001	0.000	0.002838	ug/L
Cd	111	1.628	-0.000	-0.001039	ug/L
Cd	114	22.886	0.000	0.001082	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	21884.383	0.007	0.218679	ug/L
Cr	53	3854.930	-0.001	-0.236178	ug/L
Ca	58	91.001	0.000	0.000836	ug/L
Cu	63	1063.081	0.002	0.102880	ug/L
Cu	65	478.018	0.001	0.088430	ug/L
Zn	66	4422.217	0.010	1.873482	ug/L
Zn	68	5188.885	0.008	1.746588	ug/L
Ge	72	398472.138	398472.138		ug/L
Se	77	257.007	0.000	0.072246	ug/L
Se	82	203.982	-0.000	-0.263533	ug/L
Rh	103	283578.040	283578.040		ug/L
Ag	107	49.001	0.000	0.002302	ug/L
Cd	111	10.713	0.000	0.001876	ug/L
Cd	114	15.858	0.000	0.000084	ug/L

Sample Information

Sample ID: 1001399-BS1
Autosampler Position: 18
Sample Date/Time: Wednesday, February 17, 2010 18:26:13
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1001399-BS1.019
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	282130.543	0.670	20.138214	0.318	1.580	ug/L
	Cr	53	35132.934	0.079	19.855421	0.388	1.953	ug/L
	Co	59	299215.982	0.760	19.923002	0.311	1.560	ug/L
	Cu	63	146717.167	0.372	19.803042	0.149	0.755	ug/L
	Cu	65	70236.172	0.178	20.078260	0.243	1.210	ug/L
	Zn	66	43528.165	0.110	19.747455	0.148	0.749	ug/L
	Zn	68	37035.151	0.089	19.624381	0.038	0.193	ug/L
>	Ge	72	393499.934	393499.934				ug/L
	Se	77	4385.531	0.011	18.020360	0.440	2.441	ug/L
	Se	82	5877.945	0.014	17.838783	0.344	1.930	ug/L
>	Rh	103	265306.472	265306.472				ug/L
	Ag	107	244393.123	0.921	19.039541	0.433	2.272	ug/L
	Cd	111	54858.111	0.207	18.109455	0.132	0.730	ug/L
	Cd	114	128995.757	0.486	18.225824	0.301	1.650	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	109.716
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.656
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	281103.288	0.671	20.186427	ug/L
Cr	53	34737.589	0.078	19.712801	ug/L
Co	59	300871.048	0.768	20.133620	ug/L
Cu	63	146481.648	0.373	19.870530	ug/L
Cu	65	69285.527	0.177	19.806125	ug/L
Zn	66	42936.788	0.108	19.579848	ug/L
Zn	68	36915.950	0.088	19.661119	ug/L
Ge	72	391539.907	391539.907		ug/L

: 00421

Se	77	4247.124	0.010	17.512578	ug/L
Se	82	5814.509	0.014	17.728788	ug/L
Rh	103	258888.878	258888.878		ug/L
Ag	107	242888.232	0.938	19.378882	ug/L
Cd	111	53977.978	0.208	18.252948	ug/L
Cd	114	125872.882	0.488	18.232072	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	285800.087	0.880	20.441370	ug/L
Cr	53	35779.001	0.080	20.294209	ug/L
Co	59	293539.328	0.747	19.588041	ug/L
Cu	63	145283.088	0.369	19.631730	ug/L
Cu	65	68788.704	0.177	19.972481	ug/L
Zn	66	43858.488	0.110	19.827500	ug/L
Zn	68	38825.888	0.088	19.585428	ug/L
Ge	72	383078.788	383078.788		ug/L
Se	77	4438.228	0.011	18.262888	ug/L
Se	82	5882.818	0.015	18.224554	ug/L
Rh	103	285887.838	285887.838		ug/L
Ag	107	246704.885	0.828	19.187182	ug/L
Cd	111	54857.832	0.208	18.082827	ug/L
Cd	114	131285.883	0.484	18.523372	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	279488.272	0.859	19.808848	ug/L
Cr	53	34882.202	0.077	19.558284	ug/L
Co	59	303237.572	0.788	20.088344	ug/L
Cu	63	148378.754	0.374	19.908888	ug/L
Cu	65	71834.284	0.181	20.358208	ug/L
Zn	66	43880.242	0.110	19.837880	ug/L
Zn	68	37283.500	0.088	19.628887	ug/L
Ge	72	385883.088	385883.088		ug/L
Se	77	4473.245	0.011	18.285802	ug/L
Se	82	5828.711	0.014	17.563008	ug/L
Rh	103	271282.802	271282.802		ug/L
Ag	107	243588.173	0.888	18.552470	ug/L
Cd	111	55738.728	0.208	17.982780	ug/L
Cd	114	128718.727	0.478	17.822027	ug/L

Sample Information

Sample ID: 1002144-01
Autosampler Position: 19
Sample Date/Time: Wednesday, February 17, 2010 18:31:22
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1002144-01.020
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	26831.066	0.020	0.611158	0.036	5.858	ug/L
	Cr	53	4559.293	0.001	0.215954	0.048	22.205	ug/L
	Co	59	1862.560	0.004	0.117749	0.002	1.444	ug/L
	Cu	63	16061.292	0.040	2.115690	0.032	1.502	ug/L
	Cu	65	7565.843	0.019	2.106659	0.032	1.528	ug/L
	Zn	66	4281.476	0.010	1.811489	0.045	2.486	ug/L
	Zn	68	6152.332	0.010	2.286970	0.025	1.075	ug/L
>	Ge	72	396119.325	396119.325				ug/L
	Se	77	233.006	-0.000	-0.030422	0.024	78.438	ug/L
	Se	82	237.222	-0.000	-0.156232	0.042	26.917	ug/L
>	Rh	103	260555.154	260555.154				ug/L
	Ag	107	273.341	0.001	0.020457	0.001	6.163	ug/L
	Cd	111	40.482	0.000	0.012021	0.005	38.923	ug/L
	Cd	114	89.423	0.000	0.010699	0.001	10.620	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	110.446
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.817
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	26504.347	0.019	0.578213	ug/L
Cr	53	4642.338	0.001	0.258540	ug/L
Co	59	1884.232	0.005	0.118748	ug/L
Cu	63	15848.208	0.038	2.079081	ug/L
Cu	65	7680.815	0.019	2.131886	ug/L
Zn	66	4211.108	0.010	1.772774	ug/L
Zn	68	6172.347	0.010	2.288004	ug/L
Ge	72	397519.307	397519.307		ug/L

: 00423

Se	77	240.008	-0.000	-0.003803	ug/L
Se	82	272.713	-0.000	-0.204771	ug/L
Rh	103	257608.883	257608.883		ug/L
Ag	107	286.006	0.001	0.021715	ug/L
Cd	111	33.304	0.000	0.009738	ug/L
Cd	114	80.716	0.000	0.009894	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	27301.823	0.022	0.849852	ug/L
Cr	53	4471.244	0.001	0.164013	ug/L
Co	59	1630.219	0.004	0.115788	ug/L
Cu	63	16157.811	0.040	2.131732	ug/L
Cu	65	7427.383	0.016	2.070348	ug/L
Zn	66	4384.187	0.010	1.663802	ug/L
Zn	68	6100.289	0.010	2.292888	ug/L
Ge	72	388547.717	388547.717		ug/L
Se	77	231.008	-0.000	-0.037887	ug/L
Se	82	244.178	-0.000	-0.133170	ug/L
Rh	103	262870.343	262870.343		ug/L
Ag	107	276.007	0.001	0.020462	ug/L
Cd	111	31.541	0.000	0.009821	ug/L
Cd	114	88.926	0.000	0.010856	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	28888.930	0.020	0.804408	ug/L
Cr	53	4564.298	0.001	0.225308	ug/L
Co	59	1673.228	0.005	0.118716	ug/L
Cu	63	16180.858	0.040	2.136247	ug/L
Cu	65	7509.530	0.016	2.117988	ug/L
Zn	66	4249.129	0.010	1.600780	ug/L
Zn	68	6184.356	0.010	2.312017	ug/L
Ge	72	395290.981	395290.981		ug/L
Se	77	228.008	-0.000	-0.049887	ug/L
Se	82	244.778	-0.000	-0.130795	ug/L
Rh	103	261088.467	261088.467		ug/L
Ag	107	258.007	0.001	0.019194	ug/L
Cd	111	56.601	0.000	0.017403	ug/L
Cd	114	97.627	0.000	0.011896	ug/L

Sample Information

Sample ID: 1002144-02
Autosampler Position: 20
Sample Date/Time: Wednesday, February 17, 2010 18:34:12
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1002144-02.021
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	21978.164	0.007	0.224901	0.015	6.737	ug/L
	Cr	53	3630.828	-0.002	-0.400718	0.062	15.366	ug/L
	Co	59	684.702	0.002	0.039346	0.002	5.908	ug/L
	Cu	63	3587.141	0.008	0.434317	0.002	0.526	ug/L
	Cu	65	2041.937	0.005	0.528055	0.017	3.199	ug/L
	Zn	66	2109.955	0.005	0.816196	0.039	4.789	ug/L
	Zn	68	4273.472	0.006	1.215267	0.043	3.517	ug/L
>	Ge	72	400389.805	400389.805				ug/L
	Se	77	236.339	-0.000	-0.026886	0.079	292.673	ug/L
	Se	82	288.951	-0.000	-0.002382	0.146	6121.918	ug/L
>	Rh	103	264732.446	264732.446				ug/L
	Ag	107	58.334	0.000	0.003325	0.001	33.736	ug/L
	Cd	111	13.735	0.000	0.002975	0.002	76.735	ug/L
	Cd	114	30.836	0.000	0.002201	0.001	56.672	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	111.637
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.434
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

DY

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	21885.947	0.007	0.208886	ug/L
Cr	53	3739.676	-0.001	-0.345884	ug/L
Co	59	649.002	0.001	0.036792	ug/L
Cu	63	3618.822	0.008	0.435883	ug/L
Cu	65	2110.286	0.005	0.543837	ug/L
Zn	66	2022.286	0.004	0.771349	ug/L
Zn	68	4240.121	0.005	1.182984	ug/L
Ge	72	402787.570	402787.570		ug/L

: 00425

	Se	77	236.008	-0.000	-0.034349	ug/L
	Se	82	302.122	0.000	0.033488	ug/L
	Rh	103	269809.700	269809.700		ug/L
	Ag	107	52.001	0.000	0.002803	ug/L
	Cd	111	8.411	0.000	0.001178	ug/L
	Cd	114	40.912	0.000	0.003088	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	21994.100	0.000	0.229917	ug/L
Cr	53	3940.632	-0.002	-0.388047	ug/L
Co	59	894.038	0.003	0.040047	ug/L
Cu	63	3566.808	0.008	0.435877	ug/L
Cu	65	1874.264	0.008	0.510844	ug/L
Zn	66	2166.308	0.005	0.843013	ug/L
Zn	68	4236.118	0.005	1.189078	ug/L
Ge	72	386523.657	386523.657		ug/L
Se	77	255.009	0.000	0.085221	ug/L
Se	82	327.921	0.000	0.122178	ug/L
Rh	103	269438.709	269438.709		ug/L
Ag	107	75.001	0.000	0.004813	ug/L
Cd	111	11.485	0.000	0.002208	ug/L
Cd	114	23.539	0.000	0.001163	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	22084.448	0.008	0.238121	ug/L
Cr	53	3511.778	-0.002	-0.467222	ug/L
Co	59	711.037	0.002	0.041238	ug/L
Cu	63	3593.783	0.008	0.431678	ug/L
Cu	65	2041.270	0.008	0.530088	ug/L
Zn	66	2142.297	0.008	0.834239	ug/L
Zn	68	4345.178	0.008	1.263737	ug/L
Ge	72	386877.968	386877.968		ug/L
Se	77	218.008	-0.000	-0.101639	ug/L
Se	82	236.808	-0.000	-0.162818	ug/L
Rh	103	261851.828	261851.828		ug/L
Ag	107	46.001	0.000	0.002963	ug/L
Cd	111	21.309	0.000	0.008546	ug/L
Cd	114	29.067	0.000	0.001667	ug/L

Sample Information

Sample ID: 1002144-03
Autosampler Position: 21
Sample Date/Time: Wednesday, February 17, 2010 18:37:01
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1002144-03.022
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	32564.853	0.033	0.999214	0.027	2.747	ug/L
	Cr	53	4948.518	0.002	0.404681	0.063	15.665	ug/L
	Co	59	293.341	0.001	0.013564	0.001	4.375	ug/L
	Cu	63	11631.228	0.028	1.490983	0.038	2.570	ug/L
	Cu	65	5484.859	0.013	1.484784	0.019	1.310	ug/L
	Zn	66	4209.105	0.010	1.742500	0.038	2.162	ug/L
	Zn	68	6207.040	0.010	2.252221	0.066	2.920	ug/L
>	Ge	72	403807.231	403807.231				ug/L
	Se	77	215.672	-0.000	-0.122464	0.053	43.033	ug/L
	Se	82	235.150	-0.000	-0.178270	0.193	108.048	ug/L
>	Rh	103	261771.391	261771.391				ug/L
	Ag	107	95.335	0.000	0.006314	0.002	24.826	ug/L
	Cd	111	22.187	0.000	0.005833	0.003	47.288	ug/L
	Cd	114	50.028	0.000	0.005003	0.001	10.512	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	112.590
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.288
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	33276.840	0.034	1.030803	ug/L
Cr	53	4960.536	0.002	0.396894	ug/L
Co	59	294.008	0.001	0.013435	ug/L
Cu	63	11512.081	0.027	1.481676	ug/L
Cu	65	5462.845	0.013	1.485181	ug/L
Zn	66	4277.140	0.010	1.755841	ug/L
Zn	68	6148.327	0.010	2.188203	ug/L
Ge	72	407354.710	407354.710		ug/L

Se	77	218.005	-0.000	-0.121087	ug/L
Se	82	208.689	-0.000	-0.284852	ug/L
Rh	103	258440.852	258440.852		ug/L
Ag	107	103.002	0.000	0.007008	ug/L
Cd	111	13.986	0.000	0.003148	ug/L
Cd	114	48.418	0.000	0.004571	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	32872.249	0.033	0.983677	ug/L
Cr	53	4686.488	0.001	0.343469	ug/L
Co	58	286.008	0.000	0.013048	ug/L
Cu	63	11631.228	0.028	1.476930	ug/L
Cu	65	5635.883	0.013	1.485082	ug/L
Zn	66	4151.078	0.008	1.688944	ug/L
Zn	68	6254.408	0.010	2.247032	ug/L
Ge	72	407439.718	407439.719		ug/L
Se	77	208.008	-0.000	-0.175840	ug/L
Se	82	308.538	0.000	0.042467	ug/L
Rh	103	260708.808	260708.808		ug/L
Ag	107	109.002	0.000	0.007413	ug/L
Cd	111	30.483	0.000	0.006880	ug/L
Cd	114	53.898	0.000	0.005589	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	31745.888	0.033	0.961162	ug/L
Cr	53	4986.529	0.002	0.471589	ug/L
Co	58	286.008	0.001	0.014211	ug/L
Cu	63	11750.398	0.028	1.534344	ug/L
Cu	65	5455.840	0.013	1.504086	ug/L
Zn	66	4189.100	0.010	1.771816	ug/L
Zn	68	6220.383	0.011	2.320427	ug/L
Ge	72	398627.288	398627.288		ug/L
Se	77	224.008	-0.000	-0.070486	ug/L
Se	82	188.228	-0.000	-0.312313	ug/L
Rh	103	288164.418	288164.418		ug/L
Ag	107	74.001	0.000	0.004518	ug/L
Cd	111	22.101	0.000	0.005688	ug/L
Cd	114	49.770	0.000	0.004848	ug/L

Sample Information

Sample ID: 1002144-04
Autosampler Position: 22
Sample Date/Time: Wednesday, February 17, 2010 18:39:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1002144-04.023
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	21505.948	0.008	0.225782	0.053	23.270	ug/L
	Cr	53	3838.923	-0.001	-0.214703	0.059	27.305	ug/L
	Co	59	268.007	0.000	0.012457	0.001	7.012	ug/L
	Cu	63	2659.784	0.006	0.319010	0.005	1.698	ug/L
	Cu	65	1267.776	0.003	0.318122	0.014	4.393	ug/L
	Zn	66	2642.112	0.006	1.081633	0.026	2.435	ug/L
	Zn	68	3931.300	0.005	1.075414	0.014	1.288	ug/L
>	Ge	72	391566.801	391566.801				ug/L
	Se	77	248.006	0.000	0.046862	0.062	133.350	ug/L
	Se	82	236.358	-0.000	-0.150497	0.210	139.821	ug/L
>	Rh	103	262798.205	262798.205				ug/L
	Ag	107	36.334	0.000	0.001629	0.001	33.059	ug/L
	Cd	111	14.206	0.000	0.003147	0.002	62.342	ug/L
	Cd	114	23.194	0.000	0.001148	0.000	34.355	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	109.177
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.685
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	22272.848	0.008	0.264298	ug/L
Cr	53	3863.934	-0.001	-0.199188	ug/L
Co	59	258.007	0.000	0.011764	ug/L
Cu	63	2617.437	0.008	0.313170	ug/L
Cu	65	1324.118	0.003	0.334280	ug/L
Zn	66	2708.467	0.008	1.111800	ug/L
Zn	68	3934.988	0.005	1.076978	ug/L
Ge	72	391657.233	391657.233		ug/L

Se	77	235.008	-0.000	-0.010182	ug/L
Se	82	253.490	-0.000	-0.085829	ug/L
Rh	103	263221.078	263221.078		ug/L
Ag	107	43.001	0.000	0.002150	ug/L
Cd	111	20.876	0.000	0.005382	ug/L
Cd	114	20.083	0.000	0.000886	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	21291.352	0.007	0.210401	ug/L
Cr	53	3910.957	-0.001	-0.165398	ug/L
Ce	59	283.007	0.000	0.012143	ug/L
Cu	63	2992.482	0.008	0.323999	ug/L
Cu	65	1238.104	0.003	0.308999	ug/L
Zn	66	2913.438	0.006	1.098847	ug/L
Zn	66	3900.952	0.005	1.080843	ug/L
Ge	72	391118.804	391118.804		ug/L
Se	77	283.007	0.000	0.113854	ug/L
Se	82	163.605	-0.000	-0.362923	ug/L
Rh	103	280518.072	280518.072		ug/L
Ag	107	29.000	0.000	0.001074	ug/L
Cd	111	9.582	0.000	0.001831	ug/L
Cd	114	24.199	0.000	0.001321	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	20983.544	0.006	0.162849	ug/L
Cr	53	3741.677	-0.001	-0.219525	ug/L
Ce	59	283.006	0.001	0.013444	ug/L
Cu	63	2988.454	0.008	0.319992	ug/L
Cu	65	1241.105	0.003	0.310117	ug/L
Zn	66	2904.433	0.006	1.083251	ug/L
Zn	66	3957.979	0.005	1.088421	ug/L
Ge	72	391924.388	391924.388		ug/L
Se	77	248.009	0.000	0.037115	ug/L
Se	82	291.979	0.000	0.027080	ug/L
Rh	103	284955.486	284955.486		ug/L
Ag	107	37.000	0.000	0.001663	ug/L
Cd	111	12.179	0.000	0.002447	ug/L
Cd	114	25.319	0.000	0.001428	ug/L

Sample Information

Sample ID: 1002144-05
Autosampler Position: 23
Sample Date/Time: Wednesday, February 17, 2010 18:42:42
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1002144-05.024
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	20859.951	0.005	0.150387	0.023	14.990	ug/L
	Cr	53	3852.596	-0.001	-0.246420	0.041	16.652	ug/L
	Co	59	113.335	0.000	0.001979	0.001	27.786	ug/L
	Cu	63	1672.851	0.003	0.181134	0.004	2.388	ug/L
	Cu	65	816.715	0.002	0.184427	0.008	4.592	ug/L
	Zn	66	4166.750	0.010	1.750645	0.054	3.079	ug/L
	Zn	68	5002.218	0.007	1.633364	0.030	1.828	ug/L
>	Ge	72	398030.539	398030.539				ug/L
	Se	77	284.674	0.000	0.186409	0.104	55.737	ug/L
	Se	82	298.619	0.000	0.032326	0.196	605.037	ug/L
>	Rh	103	261857.237	261857.237				ug/L
	Ag	107	33.000	0.000	0.001377	0.000	34.382	ug/L
	Cd	111	14.900	0.000	0.003399	0.002	69.527	ug/L
	Cd	114	15.358	0.000	0.000038	0.001	1330.051	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	110.979
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.321
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	20871.565	0.005	0.135463	ug/L
Cr	53	3881.943	-0.001	-0.263543	ug/L
Co	59	124.002	0.000	0.002569	ug/L
Cu	63	1733.186	0.003	0.185851	ug/L
Cu	65	848.052	0.002	0.188791	ug/L
Zn	66	4284.046	0.008	1.690539	ug/L
Zn	68	5022.563	0.007	1.603739	ug/L
Ge	72	403917.271	403917.271		ug/L

: 00431

Se	77	313.008	0.000	0.288808	ug/L
Se	82	373.600	0.000	0.252885	ug/L
Rh	103	280722.315	280722.315		ug/L
Ag	107	37.000	0.000	0.001708	ug/L
Cd	111	7.486	0.000	0.000625	ug/L
Cd	114	16.936	0.000	0.000562	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	20780.109	0.005	0.138359	ug/L
Cr	53	3939.971	-0.001	-0.186886	ug/L
Co	59	106.002	0.000	0.001475	ug/L
Cu	63	1650.169	0.003	0.177383	ug/L
Cu	65	785.046	0.002	0.174884	ug/L
Zn	66	4280.142	0.010	1.784725	ug/L
Zn	68	5019.581	0.007	1.802886	ug/L
Ge	72	388430.838	388430.838		ug/L
Se	77	261.007	0.000	0.061163	ug/L
Se	82	250.771	-0.000	-0.118880	ug/L
Rh	103	284112.840	284112.840		ug/L
Ag	107	36.000	0.000	0.001691	ug/L
Cd	111	15.749	0.000	0.000636	ug/L
Cd	114	15.182	-0.000	-0.000008	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	20818.179	0.008	0.176321	ug/L
Cr	53	3736.876	-0.001	-0.276120	ug/L
Co	59	110.002	0.000	0.001887	ug/L
Cu	63	1636.177	0.003	0.180198	ug/L
Cu	65	817.048	0.002	0.186628	ug/L
Zn	66	4128.082	0.010	1.766872	ug/L
Zn	68	4864.528	0.008	1.863466	ug/L
Ge	72	390743.809	390743.809		ug/L
Se	77	280.008	0.002	0.169157	ug/L
Se	82	271.485	-0.002	-0.035837	ug/L
Rh	103	280736.756	280736.756		ug/L
Ag	107	26.000	0.000	0.000535	ug/L
Cd	111	21.484	0.000	0.005833	ug/L
Cd	114	11.958	-0.000	-0.000442	ug/L

Sample Information

Sample ID: 1002144-06
Autosampler Position: 24
Sample Date/Time: Wednesday, February 17, 2010 18:45:30
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1002144-06.025
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	19319.231	0.001	0.035122	0.031	89.042	ug/L
	Cr	53	3563.465	-0.002	-0.427336	0.093	21.744	ug/L
	Co	59	95.001	0.000	0.000780	0.001	66.041	ug/L
	Cu	63	1496.816	0.003	0.157797	0.004	2.468	ug/L
	Cu	65	775.711	0.002	0.173039	0.011	6.346	ug/L
	Zn	66	2395.702	0.005	0.951649	0.018	1.868	ug/L
	Zn	68	3571.801	0.004	0.841698	0.048	5.655	ug/L
>	Ge	72	397688.734	397688.734				ug/L
	Se	77	231.006	-0.000	-0.043404	0.126	290.334	ug/L
	Se	82	236.719	-0.000	-0.160526	0.088	54.868	ug/L
>	Rh	103	257428.567	257428.567				ug/L
	Ag	107	51.667	0.000	0.002921	0.000	5.497	ug/L
	Cd	111	10.356	0.000	0.001938	0.002	118.466	ug/L
	Cd	114	19.331	0.000	0.000656	0.001	208.398	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	110.884
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.607
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	19639.311	0.002	0.071152	ug/L
Cr	53	3701.859	-0.001	-0.320841	ug/L
Co	59	92.001	0.000	0.000831	ug/L
Cu	63	1492.148	0.003	0.158774	ug/L
Cu	65	814.048	0.002	0.185717	ug/L
Zn	66	2386.388	0.005	0.951557	ug/L
Zn	68	3482.754	0.004	0.798879	ug/L
Ge	72	394510.221	394510.221		ug/L

: 00433

	Se	77	200.004	-0.000	-0.166316	ug/L
	Se	82	263.989	-0.000	-0.088174	ug/L
	Rh	103	257973.703	257973.703		ug/L
	Ag	107	54.001	0.000	0.000089	ug/L
	Cd	111	16.158	0.000	0.003902	ug/L
	Cd	114	8.874	-0.000	-0.000871	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	19208.289	0.001	0.018202	ug/L
Cr	53	3516.777	-0.002	-0.468523	ug/L
Co	59	49.001	0.000	0.000358	ug/L
Cu	63	1472.145	0.003	0.153908	ug/L
Cu	65	797.042	0.001	0.166826	ug/L
Zn	66	2431.379	0.008	0.962268	ug/L
Zn	68	3679.849	0.004	0.891864	ug/L
Ge	72	399680.088	399680.088		ug/L
Se	77	232.008	-0.000	-0.043814	ug/L
Se	82	236.056	-0.000	-0.166810	ug/L
Rh	103	257405.527	257405.527		ug/L
Ag	107	50.001	0.000	0.002788	ug/L
Cd	111	2.930	-0.000	-0.000587	ug/L
Cd	114	27.230	0.000	0.001078	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	19112.082	0.000	0.015012	ug/L
Cr	53	3471.756	-0.002	-0.462544	ug/L
Co	59	104.002	0.000	0.001353	ug/L
Cu	63	1526.159	0.003	0.161109	ug/L
Cu	65	756.042	0.001	0.186773	ug/L
Zn	66	2357.357	0.008	0.831122	ug/L
Zn	68	3572.891	0.004	0.836962	ug/L
Ge	72	398875.891	398875.891		ug/L
Se	77	261.007	0.000	0.052717	ug/L
Se	82	211.133	-0.000	-0.243086	ug/L
Rh	103	256808.471	256808.471		ug/L
Ag	107	51.001	0.000	0.002878	ug/L
Cd	111	11.979	0.000	0.002500	ug/L
Cd	114	28.801	0.000	0.001784	ug/L

Sample Information

Sample ID: 1002144-07
Autosampler Position: 25
Sample Date/Time: Wednesday, February 17, 2010 18:48:13
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1002144-07.026
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	20712.923	0.008	0.172809	0.036	20.824	ug/L
	Cr	53	3696.190	-0.001	-0.294756	0.057	19.250	ug/L
	Co	59	170.337	0.000	0.005977	0.000	1.472	ug/L
	Cu	63	1952.248	0.004	0.224165	0.005	2.437	ug/L
	Cu	65	920.727	0.002	0.219504	0.004	1.899	ug/L
	Zn	66	2475.059	0.006	1.010643	0.052	5.127	ug/L
	Zn	68	3691.521	0.004	0.950510	0.029	3.075	ug/L
>	Ge	72	389640.833	389640.833				ug/L
	Se	77	225.005	-0.000	-0.048959	0.045	92.080	ug/L
	Se	82	276.232	-0.000	-0.017393	0.206	1183.556	ug/L
>	Rh	103	263226.898	263226.898				ug/L
	Ag	107	31.667	0.000	0.001262	0.000	35.608	ug/L
	Cd	111	8.833	0.000	0.001352	0.001	66.652	ug/L
	Cd	114	17.948	0.000	0.000394	0.000	68.132	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	108.640
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.851
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	21188.116	0.007	0.213988	ug/L
Cr	53	3701.988	-0.001	-0.284729	ug/L
Co	59	169.003	0.000	0.005918	ug/L
Cu	63	1979.258	0.004	0.228578	ug/L
Cu	65	908.058	0.002	0.215973	ug/L
Zn	66	2384.358	0.005	0.982525	ug/L
Zn	68	3701.958	0.004	0.962229	ug/L
Ge	72	388571.675	388571.675		ug/L

	Se	77	222.006	-0.000	-0.058248	ug/L
	Se	82	333.914	0.000	0.170584	ug/L
	Rh	103	261554.810	261554.810		ug/L
	Ag	107	38.000	0.000	0.001778	ug/L
	Cd	111	5.864	0.000	0.000313	ug/L
	Cd	114	18.288	0.008	0.000457	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	20540.488	0.005	0.147408	ug/L
Cr	53	3629.627	-0.001	-0.355843	ug/L
Co	59	171.003	0.000	0.005934	ug/L
Cu	63	1822.241	0.004	0.216033	ug/L
Cu	65	824.080	0.002	0.216434	ug/L
Zn	66	2478.394	0.008	1.003912	ug/L
Zn	68	3757.668	0.004	0.872098	ug/L
Ge	72	382818.854	382818.854		ug/L
Se	77	238.008	0.000	0.000377	ug/L
Se	82	209.788	-0.000	-0.237400	ug/L
Rh	103	261620.838	261620.838		ug/L
Ag	107	29.000	0.000	0.001088	ug/L
Cd	111	10.464	0.000	0.001918	ug/L
Cd	114	15.775	0.000	0.000889	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	20409.166	0.005	0.157034	ug/L
Cr	53	3758.884	-0.001	-0.243888	ug/L
Co	59	171.003	0.000	0.008078	ug/L
Cu	63	1956.249	0.004	0.225888	ug/L
Cu	65	932.081	0.002	0.224103	ug/L
Zn	66	2581.426	0.008	1.085483	ug/L
Zn	68	3614.830	0.004	0.917245	ug/L
Ge	72	367733.970	367733.970		ug/L
Se	77	215.005	-0.000	-0.088008	ug/L
Se	82	265.029	0.000	0.014556	ug/L
Rh	103	266508.048	266508.048		ug/L
Ag	107	28.000	0.000	0.000845	ug/L
Cd	111	10.371	0.000	0.001624	ug/L
Cd	114	19.809	0.000	0.000824	ug/L

Sample Information

Sample ID: 1002144-08
Autosampler Position: 26
Sample Date/Time: Wednesday, February 17, 2010 18:50:58
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1002144-08.027
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	25763.362	0.019	0.569277	0.059	10.434	ug/L
	Cr	53	4591.644	0.001	0.295063	0.053	17.997	ug/L
	Co	59	2647.781	0.007	0.173196	0.006	3.514	ug/L
	Cu	63	4135.734	0.010	0.524327	0.017	3.200	ug/L
	Cu	65	2008.929	0.005	0.536221	0.002	0.334	ug/L
	Zn	66	6221.384	0.015	2.747701	0.068	2.467	ug/L
	Zn	68	7086.416	0.013	2.886067	0.092	3.174	ug/L
>	Ge	72	388428.552	388428.552				ug/L
	Se	77	251.673	0.000	0.071594	0.032	45.131	ug/L
	Se	82	219.338	-0.000	-0.198148	0.145	72.961	ug/L
>	Rh	103	257327.449	257327.449				ug/L
	Ag	107	86.335	0.000	0.005707	0.000	7.883	ug/L
	Cd	111	51.146	0.000	0.015858	0.005	31.133	ug/L
	Cd	114	39.864	0.000	0.003634	0.002	47.000	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	108.302
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.568
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	26235.486	0.021	0.625300	ug/L
Cr	53	4618.326	0.001	0.341484	ug/L
Co	59	2723.472	0.007	0.180086	ug/L
Cu	63	4201.101	0.010	0.538798	ug/L
Cu	65	1984.259	0.005	0.537656	ug/L
Zn	66	6327.488	0.016	2.825248	ug/L
Zn	68	7080.080	0.013	2.808799	ug/L
Ge	72	384648.891	384648.891		ug/L

: 00437

Se	77	241.008	0.009	0.035194	ug/L
Se	82	223.307	-0.009	-0.178302	ug/L
Rh	103	254474.511	254474.511		ug/L
Ag	107	88.001	0.000	0.008930	ug/L
Cd	111	84.753	0.000	0.020702	ug/L
Cd	114	28.151	0.000	0.001988	ug/L

Repeat 2

Analyte	Mass	Mass, Intensity	Net Intensity	Concentration	Report Unit
Cr	52	25711.882	0.019	0.575533	ug/L
Cr	53	4585.307	0.001	0.306579	ug/L
Co	59	2585.430	0.008	0.168546	ug/L
Cu	63	4143.071	0.010	0.526252	ug/L
Cu	65	1991.258	0.008	0.534214	ug/L
Zn	66	6085.282	0.015	2.686821	ug/L
Zn	68	7186.169	0.013	2.963469	ug/L
Ge	72	388342.515	388342.515		ug/L
Se	77	256.008	0.000	0.086948	ug/L
Se	82	258.811	-0.000	-0.083824	ug/L
Rh	103	258850.707	258850.707		ug/L
Ag	107	91.001	0.000	0.008010	ug/L
Cd	111	38.640	0.000	0.010833	ug/L
Cd	114	52.389	0.000	0.005367	ug/L

Repeat 3

Analyte	Mass	Mass, Intensity	Net Intensity	Concentration	Report Unit
Cr	52	25342.730	0.017	0.507900	ug/L
Cr	53	4571.299	0.001	0.237146	ug/L
Co	59	2654.449	0.007	0.170868	ug/L
Cu	63	4083.031	0.010	0.509832	ug/L
Cu	65	2041.370	0.005	0.536782	ug/L
Zn	66	6291.408	0.015	2.718238	ug/L
Zn	68	7014.021	0.013	2.764937	ug/L
Ge	72	384288.448	384288.448		ug/L
Se	77	258.007	0.000	0.092702	ug/L
Se	82	174.886	-0.000	-0.351318	ug/L
Rh	103	257857.128	257857.128		ug/L
Ag	107	80.001	0.000	0.005180	ug/L
Cd	111	51.843	0.000	0.018038	ug/L
Cd	114	39.051	0.000	0.003520	ug/L

Sample Information

Sample ID: 0B17045-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, February 17, 2010 18:53:43
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\0B17045-CCV.028
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	559541.972	1.374	41.311410	0.267	0.646	ug/L
	Cr	53	67321.183	0.160	40.484702	0.636	1.572	ug/L
	Co	59	610058.787	1.549	40.605042	0.919	2.263	ug/L
	Cu	63	295562.953	0.750	39.913169	0.638	1.597	ug/L
	Cu	65	142676.787	0.362	40.811877	0.451	1.106	ug/L
	Zn	66	88037.840	0.223	40.047452	0.131	0.326	ug/L
	Zn	68	72760.754	0.180	39.627248	0.860	2.170	ug/L
>	Ge	72	393781.379	393781.379				ug/L
	Se	77	9167.799	0.023	38.775103	0.115	0.298	ug/L
	Se	82	12432.434	0.031	38.716433	0.603	1.557	ug/L
>	Rh	103	258361.686	258361.686				ug/L
	Ag	107	506231.939	1.959	40.485215	0.504	1.246	ug/L
	Cd	111	116780.696	0.452	39.585008	0.197	0.499	ug/L
	Cd	114	274166.783	1.061	39.777344	0.535	1.345	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	109.794
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.969
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	559805.335	1.388	41.184623	ug/L
Cr	53	67844.048	0.162	41.008213	ug/L
Co	59	609513.383	1.548	40.516414	ug/L
Cu	63	292544.228	0.745	39.652503	ug/L
Cu	65	142456.783	0.363	40.902321	ug/L
Zn	66	87773.705	0.223	40.079918	ug/L
Zn	68	70874.689	0.176	38.777305	ug/L
Ge	72	382271.127	382271.127		ug/L

: 00439

	Se	77	9162.125	0.023	38.803873	ug/L
	Se	82	12225.730	0.030	38.204867	ug/L
	Rh	103	258848.851	258848.851		ug/L
	Ag	107	498480.123	1.843	40.128862	ug/L
	Cd	111	115519.221	0.452	39.571289	ug/L
	Cd	114	271588.857	1.062	39.817300	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	588052.937	1.388	41.150151	ug/L
Cr	53	67245.909	0.158	39.776369	ug/L
Co	59	606286.543	1.518	39.733793	ug/L
Cu	63	298857.828	0.741	39.447203	ug/L
Cu	65	143195.859	0.358	40.322127	ug/L
Zn	66	88078.453	0.222	39.803831	ug/L
Zn	68	73851.535	0.189	39.807480	ug/L
Ge	72	398988.188	398988.188		ug/L
Se	77	9301.281	0.023	38.741237	ug/L
Se	82	12578.316	0.031	38.983459	ug/L
Rh	103	260488.180	260488.180		ug/L
Ag	107	507810.080	1.849	40.284838	ug/L
Cd	111	117177.618	0.459	39.994622	ug/L
Cd	114	272584.969	1.068	39.223884	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	557087.843	1.384	41.619458	ug/L
Cr	53	66833.589	0.161	40.988613	ug/L
Co	59	617364.457	1.586	41.564980	ug/L
Cu	63	297488.709	0.764	40.839802	ug/L
Cu	65	142418.041	0.365	41.211161	ug/L
Zn	66	87261.361	0.223	40.156807	ug/L
Zn	68	73468.058	0.184	40.466849	ug/L
Ge	72	389217.811	389217.811		ug/L
Se	77	9039.981	0.023	38.680401	ug/L
Se	82	12480.285	0.031	38.980864	ug/L
Rh	103	258847.218	258847.218		ug/L
Ag	107	514585.836	1.887	41.082148	ug/L
Cd	111	117649.253	0.464	39.788833	ug/L
Cd	114	278348.409	1.076	40.291168	ug/L

Sample Information

Sample ID: 0B17045-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, February 17, 2010 18:58:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\0B17045-CCB.029
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	17032.896	-0.003	-0.088495	0.023	25.583	ug/L
	Cr	53	3443.079	-0.002	-0.420181	0.082	19.633	ug/L
	Co	59	65.334	-0.000	-0.001010	0.000	40.153	ug/L
	Cu	63	328.343	0.000	0.003091	0.002	79.549	ug/L
	Cu	65	171.003	0.000	0.003386	0.003	90.079	ug/L
	Zn	66	275.341	-0.000	-0.001745	0.008	470.298	ug/L
	Zn	68	1867.561	-0.000	-0.063798	0.014	21.706	ug/L
>	Ge	72	382994.973	382994.973				ug/L
	Se	77	228.672	-0.000	-0.015476	0.069	447.600	ug/L
	Se	82	203.289	-0.000	-0.241959	0.058	23.800	ug/L
>	Rh	103	259979.372	259979.372				ug/L
	Ag	107	40.667	0.000	0.002009	0.000	8.979	ug/L
	Cd	111	11.154	0.000	0.002179	0.001	49.796	ug/L
	Cd	114	11.360	-0.000	-0.000514	0.001	135.408	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	106.787
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.594
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B17045-CCB	Cr	53	
0B17045-CCB	Se	82	

OK

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	17330.175	-0.002	-0.082671	ug/L
Cr	53	3578.804	-0.001	-0.326513	ug/L
Co	59	72.001	-0.000	-0.000548	ug/L
Cu	63	348.011	0.000	0.000809	ug/L
Cu	65	181.003	0.000	0.000538	ug/L
Zn	66	295.008	0.000	0.007729	ug/L

: 00441

	Zn	66	1899.233	-0.000	-0.051037	ug/L
	Ge	72	382295.079	382295.079		ug/L
	Se	77	231.008	-0.000	-0.002947	ug/L
	Se	82	199.624	-0.000	-0.265898	ug/L
	Rh	103	256146.802	256146.802		ug/L
	Ag	107	41.001	0.000	0.002082	ug/L
	Cd	111	14.426	0.000	0.003369	ug/L
	Cd	114	13.081	-0.000	-0.000247	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	17019.524	-0.003	-0.087888	ug/L
Cr	53	3388.719	-0.000	-0.462015	ug/L
Co	59	63.001	-0.000	-0.001186	ug/L
Cu	63	318.009	0.000	0.001388	ug/L
Cu	65	163.004	0.000	0.000906	ug/L
Zn	66	267.007	-0.000	-0.008416	ug/L
Zn	68	1882.231	-0.000	-0.081834	ug/L
Ge	72	385308.138	385308.138		ug/L
Se	77	244.008	0.000	0.048875	ug/L
Se	82	224.812	-0.000	-0.176300	ug/L
Rh	103	257754.058	257754.058		ug/L
Ag	107	42.001	0.000	0.002141	ug/L
Cd	111	8.216	0.000	0.001206	ug/L
Cd	114	14.917	0.000	0.000008	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	16752.890	-0.003	-0.104929	ug/L
Cr	53	3380.719	-0.002	-0.462016	ug/L
Co	59	61.001	-0.000	-0.001288	ug/L
Cu	63	318.009	0.000	0.001877	ug/L
Cu	65	168.003	0.000	0.003017	ug/L
Zn	66	264.007	-0.000	-0.008548	ug/L
Zn	68	1834.220	-0.000	-0.078523	ug/L
Ge	72	381383.703	381383.703		ug/L
Se	77	211.008	-0.000	-0.080156	ug/L
Se	82	189.631	-0.000	-0.263862	ug/L
Rh	103	266037.456	266037.456		ug/L
Ag	107	38.000	0.000	0.001803	ug/L
Cd	111	10.820	0.000	0.001978	ug/L
Cd	114	6.061	-0.000	-0.001304	ug/L

Sample Information

Sample ID: 1002144-09
Autosampler Position: 27
Sample Date/Time: Wednesday, February 17, 2010 19:01:32
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1002144-09.030
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	18956.727	0.001	0.026781	0.020	75.341	ug/L
	Cr	53	3526.448	-0.002	-0.421075	0.068	16.096	ug/L
	Co	59	142.003	0.000	0.004006	0.001	17.078	ug/L
	Cu	63	1296.114	0.003	0.133196	0.007	4.921	ug/L
	Cu	65	636.364	0.001	0.135943	0.009	6.340	ug/L
	Zn	66	1442.139	0.003	0.529190	0.029	5.461	ug/L
	Zn	68	2919.874	0.002	0.501750	0.009	1.740	ug/L
>	Ge	72	392464.957	392464.957				ug/L
	Se	77	261.673	0.000	0.104030	0.059	56.489	ug/L
	Se	82	243.973	-0.000	-0.127671	0.079	61.755	ug/L
>	Rh	103	260426.597	260426.597				ug/L
	Ag	107	58.001	0.000	0.003381	0.000	11.169	ug/L
	Cd	111	13.406	0.000	0.002875	0.004	134.519	ug/L
	Cd	114	29.048	0.000	0.002023	0.000	22.795	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	109.427
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.768
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	19055.953	0.003	0.048697	ug/L
Cr	53	3808.618	-0.001	-0.343246	ug/L
Co	59	144.003	0.000	0.004237	ug/L
Cu	63	1227.103	0.002	0.125838	ug/L
Cu	65	656.033	0.001	0.144108	ug/L
Zn	66	1388.128	0.003	0.502135	ug/L
Zn	68	2871.523	0.002	0.491686	ug/L
Ge	72	388357.008	388357.008		ug/L

Se	77	271.007	0.000	0.157058	ug/L
Se	82	258.444	-0.000	-0.088468	ug/L
Rh	103	255061.787	255061.787		ug/L
Ag	107	62.001	0.000	0.003787	ug/L
Cd	111	0.536	-0.000	-0.001369	ug/L
Cd	114	29.850	0.000	0.002080	ug/L

Repeat 2

Analyte	Mass	Mean Intensity	Net Intensity	Concentration	Report Unit
Cr	52	18972.783	0.000	0.011883	ug/L
Cr	53	3516.777	-0.002	-0.452876	ug/L
Co	59	132.002	0.000	0.003238	ug/L
Cu	63	1341.121	0.003	0.137315	ug/L
Cu	65	612.029	0.001	0.128831	ug/L
Zn	66	1525.158	0.003	0.559834	ug/L
Zn	68	2980.568	0.002	0.508134	ug/L
Ge	72	386886.120	386886.120		ug/L
Se	77	267.007	0.000	0.114162	ug/L
Se	82	258.717	-0.000	-0.086125	ug/L
Rh	103	261073.048	261073.048		ug/L
Ag	107	57.001	0.000	0.003288	ug/L
Cd	111	18.318	0.000	0.003480	ug/L
Cd	114	32.252	0.000	0.002470	ug/L

Repeat 3

Analyte	Mass	Mean Intensity	Net Intensity	Concentration	Report Unit
Cr	52	16841.464	0.001	0.018883	ug/L
Cr	53	3452.750	-0.002	-0.467103	ug/L
Co	59	150.003	0.000	0.004544	ug/L
Cu	63	1320.118	0.003	0.138836	ug/L
Cu	65	638.031	0.001	0.136783	ug/L
Zn	66	1433.139	0.003	0.525800	ug/L
Zn	68	2927.843	0.002	0.507421	ug/L
Ge	72	392152.746	392152.746		ug/L
Se	77	247.008	0.000	0.040850	ug/L
Se	82	215.799	-0.000	-0.217403	ug/L
Rh	103	265154.979	265154.979		ug/L
Ag	107	55.001	0.000	0.003080	ug/L
Cd	111	23.382	0.000	0.008133	ug/L
Cd	114	26.241	0.000	0.001549	ug/L

Sample Information

Sample ID: 1002144-10
Autosampler Position: 28
Sample Date/Time: Wednesday, February 17, 2010 19:04:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1002144-10.031
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	61390.260	0.107	3.228680	0.027	0.843	ug/L
	Cr	53	8617.206	0.011	2.796243	0.125	4.487	ug/L
	Co	59	9950.705	0.025	0.651950	0.007	1.003	ug/L
	Cu	63	233235.645	0.587	31.253127	0.339	1.086	ug/L
	Cu	65	110992.818	0.279	31.504043	0.274	0.870	ug/L
	Zn	66	153432.559	0.386	69.389998	1.317	1.897	ug/L
	Zn	68	128229.328	0.318	70.182989	0.558	0.796	ug/L
>	Ge	72	396666.255	396666.255				ug/L
	Se	77	271.674	0.000	0.135583	0.082	60.780	ug/L
	Se	82	267.193	-0.000	-0.061808	0.103	166.429	ug/L
>	Rh	103	260714.964	260714.964				ug/L
	Ag	107	251.006	0.001	0.018669	0.001	6.028	ug/L
	Cd	111	590.233	0.002	0.196733	0.015	7.864	ug/L
	Cd	114	1348.417	0.005	0.191758	0.008	3.963	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	110.599
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.879
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	60874.666	0.106	3.239717	ug/L
Cr	53	8716.844	0.012	2.937404	ug/L
Co	59	9787.619	0.025	0.649059	ug/L
Cu	63	228645.533	0.584	31.074388	ug/L
Cu	65	108412.670	0.279	31.466843	ug/L
Zn	66	154146.191	0.393	70.687321	ug/L
Zn	68	127482.878	0.321	70.771304	ug/L
Ge	72	391108.329	391108.329		ug/L

Se	77	289.908	0.009	0.227387	ug/L
Se	82	286.589	0.009	0.049471	ug/L
Rh	103	259184.517	259184.517		ug/L
Ag	107	235.009	0.001	0.017812	ug/L
Cd	111	549.881	0.002	0.162825	ug/L
Cd	114	1310.102	0.008	0.167337	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	81438.188	0.108	3.197887	ug/L
Cr	53	8525.444	0.011	2.687484	ug/L
Ce	58	10137.283	0.025	0.859439	ug/L
Cu	63	233333.881	0.583	31.040373	ug/L
Cu	65	110845.433	0.277	31.233572	ug/L
Zn	66	151828.302	0.379	69.084171	ug/L
Zn	68	128227.274	0.318	69.980336	ug/L
Ge	72	398984.749	398984.749		ug/L
Se	77	258.007	0.000	0.087946	ug/L
Se	82	238.441	-0.000	-0.165251	ug/L
Rh	103	257981.952	257981.952		ug/L
Ag	107	262.007	0.001	0.019760	ug/L
Cd	111	833.271	0.002	0.213398	ug/L
Cd	114	1384.991	0.008	0.200833	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	82067.908	0.108	3.248638	ug/L
Cr	53	8809.531	0.011	2.753882	ug/L
Ce	58	9847.032	0.025	0.847382	ug/L
Cu	63	237727.520	0.595	31.644818	ug/L
Cu	65	112720.351	0.282	31.781716	ug/L
Zn	66	154523.012	0.386	69.408903	ug/L
Zn	68	128977.730	0.318	70.117328	ug/L
Ge	72	398326.887	398326.887		ug/L
Se	77	268.007	0.000	0.111434	ug/L
Se	82	269.588	-0.000	-0.080849	ug/L
Rh	103	265008.424	265008.424		ug/L
Ag	107	256.008	0.001	0.019736	ug/L
Cd	111	581.748	0.002	0.193976	ug/L
Cd	114	1340.158	0.008	0.187403	ug/L

Sample Information

Sample ID: 1002144-11
Autosampler Position: 29
Sample Date/Time: Wednesday, February 17, 2010 19:07:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1002144-11.032
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	23230.902	0.011	0.337679	0.039	11.611	ug/L
	Cr	53	4179.423	-0.000	-0.026332	0.062	235.890	ug/L
	Co	59	1131.421	0.003	0.069369	0.002	2.526	ug/L
	Cu	63	3469.090	0.008	0.423525	0.005	1.099	ug/L
	Cu	65	1668.184	0.004	0.427734	0.013	3.110	ug/L
	Zn	66	3923.963	0.009	1.649183	0.043	2.619	ug/L
	Zn	68	5337.762	0.008	1.832797	0.031	1.681	ug/L
>	Ge	72	396217.166	396217.166				ug/L
	Se	77	233.672	-0.000	-0.027934	0.032	115.366	ug/L
	Se	82	219.538	-0.000	-0.213070	0.062	28.999	ug/L
>	Rh	103	261500.629	261500.629				ug/L
	Ag	107	77.001	0.000	0.004860	0.000	5.253	ug/L
	Cd	111	41.228	0.000	0.012215	0.003	26.238	ug/L
	Cd	114	53.440	0.000	0.005507	0.001	26.606	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	110.473
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.183
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	23488.228	0.013	0.361956	ug/L
Cr	53	4184.082	0.000	0.018287	ug/L
Co	59	1127.087	0.003	0.070182	ug/L
Cu	63	3450.749	0.008	0.427887	ug/L
Cu	65	1665.171	0.004	0.416721	ug/L
Zn	66	3988.984	0.008	1.685348	ug/L
Zn	68	5320.751	0.008	1.867808	ug/L
Ge	72	390351.024	390351.024		ug/L

	Se	77	227.005	-0.000	-0.041788	ug/L
	Se	82	194.382	-0.000	-0.282843	ug/L
	Rh	103	262584.770	262584.770		ug/L
	Ag	107	76.001	0.000	0.004794	ug/L
	Cd	111	52.436	0.000	0.013808	ug/L
	Cd	114	48.298	0.000	0.004448	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	23104.218	0.010	0.307388	ug/L
Cr	53	4116.087	-0.000	-0.097804	ug/L
Co	59	1114.088	0.003	0.057357	ug/L
Cu	63	3473.759	0.006	0.418669	ug/L
Cu	65	1874.185	0.004	0.423669	ug/L
Zn	66	3662.943	0.009	1.609781	ug/L
Zn	68	5380.799	0.009	1.621782	ug/L
Ge	72	400887.127	400887.127		ug/L
Se	77	245.008	0.000	0.008804	ug/L
Se	82	237.089	-0.000	-0.169836	ug/L
Rh	103	258231.886	258231.886		ug/L
Ag	107	80.001	0.000	0.005151	ug/L
Cd	111	34.858	0.000	0.010128	ug/L
Cd	114	64.580	0.000	0.007179	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	23122.269	0.011	0.323710	ug/L
Cr	53	4238.120	0.000	0.002381	ug/L
Co	59	1153.091	0.003	0.070858	ug/L
Cu	63	3482.762	0.006	0.423880	ug/L
Cu	65	1725.196	0.004	0.442511	ug/L
Zn	66	3821.983	0.009	1.642444	ug/L
Zn	68	5311.745	0.008	1.608021	ug/L
Ge	72	397433.348	397433.348		ug/L
Se	77	229.005	-0.000	-0.050811	ug/L
Se	82	227.143	-0.000	-0.190831	ug/L
Rh	103	262675.249	262675.249		ug/L
Ag	107	75.001	0.000	0.004874	ug/L
Cd	111	36.889	0.009	0.010818	ug/L
Cd	114	48.434	0.000	0.004884	ug/L

Sample Information

Sample ID: 1002144-12
Autosampler Position: 30
Sample Date/Time: Wednesday, February 17, 2010 19:09:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1002144-12.033
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	18429.882	0.000	0.006522	0.037	560.253	ug/L
	Cr	53	3621.823	-0.001	-0.326878	0.057	17.500	ug/L
	Co	59	96.335	0.000	0.001043	0.001	71.991	ug/L
	Cu	63	828.716	0.001	0.071461	0.003	3.668	ug/L
	Cu	65	403.014	0.001	0.070492	0.007	9.990	ug/L
	Zn	66	1940.579	0.004	0.770304	0.020	2.594	ug/L
	Zn	68	3199.313	0.003	0.684659	0.032	4.673	ug/L
>	Ge	72	386933.769	386933.769				ug/L
	Se	77	252.673	0.000	0.080258	0.128	159.446	ug/L
	Se	82	224.786	-0.000	-0.179014	0.082	45.934	ug/L
>	Rh	103	257112.694	257112.694				ug/L
	Ag	107	77.334	0.000	0.004989	0.001	12.141	ug/L
	Cd	111	14.220	0.000	0.003258	0.002	76.451	ug/L
	Cd	114	23.436	0.000	0.001255	0.001	108.205	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	107.885
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.485
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	18851.487	0.001	0.039828	ug/L
Cr	53	3688.852	-0.001	-0.283890	ug/L
Co	59	97.001	0.000	0.000414	ug/L
Cu	63	828.049	0.001	0.071393	ug/L
Cu	65	375.012	0.001	0.062363	ug/L
Zn	66	1888.236	0.004	0.750808	ug/L
Zn	68	3232.899	0.003	0.704101	ug/L
Ge	72	386829.341	386829.341		ug/L

	Se	77	223.005	-0.000	-0.050426	ug/L
	Se	82	222.416	-0.000	-0.186309	ug/L
	Rh	103	257534.430	257534.430		ug/L
	Ag	107	77.001	0.000	0.004852	ug/L
	Cd	111	22.852	0.000	0.000120	ug/L
	Cd	114	28.536	0.000	0.001993	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	18443.572	0.000	0.012625	ug/L
Cr	53	3508.774	-0.002	-0.391756	ug/L
Ca	58	93.001	0.000	0.000841	ug/L
Cu	63	845.051	0.001	0.074115	ug/L
Cu	65	418.018	0.001	0.074713	ug/L
Zn	66	1831.243	0.004	0.788187	ug/L
Zn	68	3218.854	0.003	0.702144	ug/L
Ge	72	386682.803	385582.803		ug/L
Se	77	253.006	0.000	0.085672	ug/L
Se	82	189.859	-0.000	-0.257309	ug/L
Rh	103	258833.288	258833.288		ug/L
Ag	107	89.001	0.000	0.005813	ug/L
Cd	111	9.288	0.000	0.001564	ug/L
Cd	114	12.886	-0.000	-0.000312	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	17884.587	-0.001	-0.032988	ug/L
Cr	53	3868.844	-0.001	-0.305188	ug/L
Ca	58	109.002	0.000	0.001874	ug/L
Cu	63	613.046	0.001	0.088974	ug/L
Cu	65	418.016	0.001	0.074402	ug/L
Zn	66	1862.256	0.004	0.790820	ug/L
Zn	68	3148.625	0.003	0.647733	ug/L
Ge	72	386408.384	386408.384		ug/L
Se	77	282.008	0.000	0.208328	ug/L
Se	82	252.083	-0.000	-0.083384	ug/L
Rh	103	258970.398	258970.398		ug/L
Ag	107	70.001	0.000	0.004403	ug/L
Cd	111	10.717	0.000	0.002088	ug/L
Cd	114	29.102	0.000	0.002084	ug/L

Sample Information

Sample ID: 1002144-13
Autosampler Position: 31
Sample Date/Time: Wednesday, February 17, 2010 19:12:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1002144-13.034
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	18590.237	0.001	0.015131	0.037	243.862	ug/L
	Cr	53	3514.776	-0.002	-0.402688	0.055	13.751	ug/L
	Co	59	84.001	0.000	0.000193	0.000	113.066	ug/L
	Cu	63	1038.408	0.002	0.099924	0.004	3.704	ug/L
	Cu	65	539.023	0.001	0.109702	0.010	9.032	ug/L
	Zn	66	2123.625	0.005	0.852689	0.017	1.993	ug/L
	Zn	68	7110.103	0.013	2.903403	0.036	1.248	ug/L
>	Ge	72	387996.728	387996.728				ug/L
	Se	77	231.672	-0.000	-0.015341	0.052	340.309	ug/L
	Se	82	282.167	0.000	0.004988	0.083	1671.150	ug/L
>	Rh	103	261907.207	261907.207				ug/L
	Ag	107	51.001	0.000	0.002797	0.000	9.128	ug/L
	Cd	111	10.357	0.000	0.001881	0.002	122.512	ug/L
	Cd	114	16.850	0.000	0.000254	0.001	197.966	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	108.181
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.340
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	18853.719	0.002	0.055048	ug/L
Cr	53	3578.803	-0.001	-0.343690	ug/L
Co	59	81.001	0.000	0.000036	ug/L
Cu	63	1057.078	0.002	0.103644	ug/L
Cu	65	537.023	0.001	0.110381	ug/L
Zn	66	2131.294	0.005	0.864186	ug/L
Zn	68	7104.086	0.013	2.832809	ug/L
Ge	72	384878.015	384878.015		ug/L

	Se	77	221.005	-0.006	-0.054313	ug/L
	Se	82	298.431	0.000	0.058888	ug/L
	Rh	103	280183.151	280183.151		ug/L
	Ag	107	47.001	0.000	0.002907	ug/L
	Cd	111	4.543	-0.000	-0.000122	ug/L
	Cd	114	19.869	0.000	0.000703	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	18247.138	-0.001	-0.017729	ug/L
Cr	53	3517.777	-0.002	-0.410843	ug/L
Co	59	83.001	0.000	0.000103	ug/L
Cu	63	1018.072	0.002	0.088243	ug/L
Cu	65	508.020	0.001	0.089473	ug/L
Zn	66	2150.298	0.005	0.880704	ug/L
Zn	68	7161.147	0.013	2.914781	ug/L
Ge	72	389677.572	389677.572		ug/L
Se	77	228.008	-0.000	-0.035686	ug/L
Se	82	298.586	0.000	0.047318	ug/L
Rh	103	280882.400	280882.400		ug/L
Ag	107	52.001	0.000	0.002888	ug/L
Cd	111	17.811	0.000	0.004400	ug/L
Cd	114	17.444	0.000	0.000347	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	18588.853	0.000	0.008073	ug/L
Cr	53	3449.748	-0.002	-0.453831	ug/L
Co	59	86.001	0.000	0.000442	ug/L
Cu	63	1043.078	0.002	0.089884	ug/L
Cu	65	574.026	0.001	0.119254	ug/L
Zn	66	2089.283	0.005	0.833168	ug/L
Zn	68	7085.084	0.013	2.882648	ug/L
Ge	72	389434.597	389434.597		ug/L
Se	77	249.008	0.000	0.043877	ug/L
Se	82	253.473	-0.000	-0.081048	ug/L
Rh	103	284838.071	284838.071		ug/L
Ag	107	54.001	0.000	0.002987	ug/L
Cd	111	6.818	0.000	0.001385	ug/L
Cd	114	13.225	-0.000	-0.000289	ug/L

Sample Information

Sample ID: 1002144-15
Autosampler Position: 32
Sample Date/Time: Wednesday, February 17, 2010 19:15:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1002144-15.035
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	18919.310	0.001	0.019969	0.021	105.203	ug/L
	Cr	53	3477.094	-0.002	-0.459035	0.070	15.255	ug/L
	Co	59	123.002	0.000	0.002712	0.000	13.722	ug/L
	Cu	63	1756.536	0.004	0.195050	0.001	0.715	ug/L
	Cu	65	833.717	0.002	0.191957	0.007	3.554	ug/L
	Zn	66	1749.201	0.004	0.667846	0.032	4.729	ug/L
	Zn	68	3212.985	0.003	0.661830	0.040	6.009	ug/L
>	Ge	72	393503.959	393503.959				ug/L
	Se	77	226.005	-0.000	-0.054074	0.030	55.810	ug/L
	Se	82	215.571	-0.000	-0.220559	0.150	67.872	ug/L
>	Rh	103	261616.152	261616.152				ug/L
	Ag	107	42.001	0.000	0.002093	0.001	27.265	ug/L
	Cd	111	8.068	0.000	0.001117	0.000	33.859	ug/L
	Cd	114	22.481	0.000	0.001055	0.001	103.311	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	109.717
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.228
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	18917.410	0.000	0.014152	ug/L
Cr	53	3480.788	-0.002	-0.447244	ug/L
Co	59	118.002	0.000	0.002369	ug/L
Cu	63	1744.200	0.004	0.183708	ug/L
Cu	65	852.052	0.002	0.197540	ug/L
Zn	66	1662.187	0.004	0.638344	ug/L
Zn	68	3186.641	0.003	0.648826	ug/L
Ge	72	392980.500	392980.500		ug/L

Se	77	227.005	-0.000	-0.048388	ug/L
Se	82	169.640	-0.000	-0.385471	ug/L
Rh	103	258886.109	258886.109		ug/L
Ag	107	50.001	0.000	0.002748	ug/L
Cd	111	7.117	0.000	0.000814	ug/L
Cd	114	15.380	0.000	0.000087	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	18733.219	0.009	0.002462	ug/L
Cr	53	3387.714	-0.002	-0.534208	ug/L
Ge	58	122.002	0.000	0.002827	ug/L
Cu	63	1771.208	0.004	0.186483	ug/L
Cu	65	809.047	0.002	0.184394	ug/L
Zn	66	1626.218	0.004	0.701168	ug/L
Zn	68	3163.632	0.003	0.630106	ug/L
Ge	72	384388.088	384388.088		ug/L
Se	77	219.005	-0.000	-0.089897	ug/L
Se	82	264.420	-0.000	-0.089496	ug/L
Rh	103	261280.797	261280.797		ug/L
Ag	107	37.000	0.000	0.001700	ug/L
Cd	111	9.322	0.000	0.001541	ug/L
Cd	114	20.834	0.000	0.000843	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	19207.302	0.001	0.043272	ug/L
Cr	53	3572.801	-0.002	-0.385854	ug/L
Ge	58	129.002	0.000	0.003118	ug/L
Cu	63	1754.202	0.004	0.184847	ug/L
Cu	65	840.091	0.002	0.183878	ug/L
Zn	66	1738.188	0.004	0.864027	ug/L
Zn	68	3289.882	0.003	0.708449	ug/L
Ge	72	383153.283	383153.283		ug/L
Se	77	232.008	-0.000	-0.027136	ug/L
Se	82	212.453	-0.000	-0.229713	ug/L
Rh	103	263982.561	263982.561		ug/L
Ag	107	38.000	0.000	0.001831	ug/L
Cd	111	7.788	0.000	0.000887	ug/L
Cd	114	30.918	0.000	0.002236	ug/L

Sample Information

Sample ID: 1002144-16
Autosampler Position: 33
Sample Date/Time: Wednesday, February 17, 2010 19:18:11
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1002144-16.036
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	21100.578	0.007	0.199322	0.044	22.114	ug/L
	Cr	53	3853.596	-0.001	-0.198001	0.034	16.971	ug/L
	Co	59	675.701	0.002	0.039874	0.002	3.914	ug/L
	Cu	63	3863.601	0.009	0.484245	0.005	1.026	ug/L
	Cu	65	1839.555	0.004	0.484341	0.007	1.419	ug/L
	Zn	66	2690.795	0.006	1.107604	0.015	1.398	ug/L
	Zn	68	3976.322	0.005	1.107517	0.013	1.159	ug/L
>	Ge	72	390395.740	390395.740				ug/L
	Se	77	246.339	0.000	0.042974	0.037	86.267	ug/L
	Se	82	285.435	0.000	0.009282	0.085	918.257	ug/L
>	Rh	103	257681.278	257681.278				ug/L
	Ag	107	64.001	0.000	0.003907	0.000	10.519	ug/L
	Cd	111	13.322	*0.000*	*0.002938*	*0.002*	*57.709*	ug/L
	Cd	114	22.896	0.000	0.001178	0.002	193.686	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	108.850
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.705
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	21925.023	0.008	0.248883	ug/L
Cr	53	3930.868	-0.001	-0.184875	ug/L
Co	59	708.037	0.002	0.041676	ug/L
Cu	63	3871.938	0.009	0.481184	ug/L
Cu	65	1858.238	0.004	0.485788	ug/L
Zn	66	2737.477	0.006	1.119205	ug/L
Zn	68	4018.008	0.005	1.113874	ug/L
Ge	72	393507.428	393507.428		ug/L

	Se	77	240.008	0.000	0.008722	ug/L
	Se	82	318.386	0.000	0.107545	ug/L
	Rh	103	256457.984	256457.984		ug/L
	Ag	107	88.001	0.000	0.004334	ug/L
	Cd	111	7.712	0.000	0.001080	ug/L
	Cd	114	26.788	0.000	0.002049	ug/L

Repeat 2

Analyte	Mass	Mean Intensity	Net Intensity	Concentration	Report Unit
Cr	52	20880.862	0.000	0.180850	ug/L
Cr	53	3770.891	-0.001	-0.231672	ug/L
Ce	59	857.032	0.001	0.038979	ug/L
Cu	63	3874.939	0.000	0.466980	ug/L
Cu	65	1799.212	0.004	0.476885	ug/L
Zn	66	2631.443	0.008	1.080017	ug/L
Zn	68	3609.980	0.008	1.116118	ug/L
Ge	72	387307.630	387307.630		ug/L
Se	77	253.008	0.000	0.080816	ug/L
Se	82	266.408	-0.000	-0.044982	ug/L
Rh	103	258365.948	258365.948		ug/L
Ag	107	84.001	0.000	0.003873	ug/L
Cd	111	17.516	0.000	0.004331	ug/L
Cd	114	5.191	-0.000	-0.001411	ug/L

Repeat 3

Analyte	Mass	Mean Intensity	Net Intensity	Concentration	Report Unit
Cr	52	20685.649	0.008	0.167852	ug/L
Cr	53	3853.829	-0.001	-0.187486	ug/L
Ce	59	882.033	0.001	0.038669	ug/L
Cu	63	3843.829	0.009	0.461571	ug/L
Cu	65	1860.228	0.004	0.480387	ug/L
Zn	66	2703.466	0.008	1.113569	ug/L
Zn	68	3648.976	0.008	1.082758	ug/L
Ge	72	390371.872	390371.872		ug/L
Se	77	248.008	0.000	0.041383	ug/L
Se	82	271.507	-0.000	-0.038036	ug/L
Rh	103	257219.824	257219.824		ug/L
Ag	107	58.001	0.000	0.003514	ug/L
Cd	111	14.737	0.000	0.003434	ug/L
Cd	114	34.698	0.000	0.002898	ug/L

Sample Information

Sample ID: 1002144-17
Autosampler Position: 34
Sample Date/Time: Wednesday, February 17, 2010 19:20:59
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1002144-17.037
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	25722.903	0.018	0.535208	0.031	5.707	ug/L
	Cr	53	4376.193	0.000	0.111339	0.058	51.667	ug/L
	Co	59	1199.432	0.003	0.074210	0.000	0.251	ug/L
	Cu	63	12336.582	0.030	1.622125	0.008	0.503	ug/L
	Cu	65	5771.389	0.014	1.602807	0.008	0.469	ug/L
	Zn	66	7995.917	0.020	3.511484	0.092	2.630	ug/L
	Zn	68	8500.752	0.016	3.614747	0.043	1.193	ug/L
>	Ge	72	394457.115	394457.115				ug/L
	Se	77	247.673	0.000	0.037525	0.035	93.534	ug/L
	Se	82	270.197	-0.000	-0.047845	0.093	194.061	ug/L
>	Rh	103	259905.158	259905.158				ug/L
	Ag	107	123.002	0.000	0.008566	0.001	17.055	ug/L
	Cd	111	79.403	0.000	0.025071	0.016	63.627	ug/L
	Cd	114	96.789	0.000	0.011795	0.001	5.992	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	109.983
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.566
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	25449.046	0.018	0.530813	ug/L
Cr	53	4436.225	0.001	0.173672	ug/L
Co	59	1188.086	0.003	0.073866	ug/L
Cu	63	12231.082	0.030	1.621838	ug/L
Cu	65	5716.017	0.014	1.600809	ug/L
Zn	66	7778.707	0.019	3.443084	ug/L
Zn	68	8369.284	0.016	3.561193	ug/L
Ge	72	391126.138	391126.138		ug/L

	Se	77	248.008	0.000	0.048050	ug/L
	Se	82	293.088	0.000	0.032527	ug/L
	Rh	103	2558910.508	2558910.508		ug/L
	Ag	107	141.003	0.000	0.010159	ug/L
	Cd	111	41.076	0.000	0.012476	ug/L
	Cd	114	91.464	0.000	0.011239	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	26223.457	0.019	0.587767	ug/L
Cr	53	4371.180	0.000	0.100050	ug/L
Co	59	1204.088	0.003	0.074288	ug/L
Cu	63	12432.391	0.031	1.630397	ug/L
Cu	65	5769.051	0.014	1.589418	ug/L
Zn	66	7938.867	0.018	3.474849	ug/L
Zn	68	9811.533	0.017	3.883388	ug/L
Ge	72	386980.283	386980.283		ug/L
Se	77	256.009	0.000	0.088187	ug/L
Se	82	277.780	-0.000	-0.028581	ug/L
Rh	103	2617425.571	2617425.571		ug/L
Ag	107	120.002	0.000	0.008248	ug/L
Cd	111	63.888	0.000	0.019730	ug/L
Cd	114	103.000	0.000	0.012580	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	25489.208	0.017	0.507224	ug/L
Cr	53	4321.183	0.000	0.080294	ug/L
Co	59	1208.100	0.003	0.074338	ug/L
Cu	63	12348.282	0.030	1.614088	ug/L
Cu	65	5633.088	0.014	1.611086	ug/L
Zn	66	8272.186	0.020	3.619538	ug/L
Zn	68	8521.440	0.016	3.588882	ug/L
Ge	72	386984.916	386984.916		ug/L
Se	77	240.008	-0.000	-0.001632	ug/L
Se	82	239.722	-0.000	-0.149483	ug/L
Rh	103	262082.394	262082.394		ug/L
Ag	107	108.002	0.000	0.007290	ug/L
Cd	111	133.438	0.000	0.043006	ug/L
Cd	114	95.882	0.000	0.011934	ug/L

Sample Information

Sample ID: 1002144-18
Autosampler Position: 35
Sample Date/Time: Wednesday, February 17, 2010 19:23:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1002144-18.038
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	23847.650	0.013	0.394950	0.024	6.194	ug/L
	Cr	53	4215.441	0.000	0.012253	0.033	267.909	ug/L
	Co	59	861.720	0.002	0.051860	0.003	5.350	ug/L
	Cu	63	14924.168	0.037	1.974321	0.001	0.064	ug/L
	Cu	65	7004.681	0.017	1.958353	0.051	2.621	ug/L
	Zn	66	7112.439	0.017	3.114182	0.061	1.963	ug/L
	Zn	68	7690.958	0.014	3.168427	0.027	0.861	ug/L
>	Ge	72	393862.298	393862.298				ug/L
	Se	77	238.006	-0.000	-0.002779	0.131	4711.268	ug/L
	Se	82	233.449	-0.000	-0.163903	0.149	91.076	ug/L
>	Rh	103	263170.100	263170.100				ug/L
	Ag	107	80.001	0.000	0.005049	0.001	24.310	ug/L
	Cd	111	35.835	0.000	0.010334	0.001	10.985	ug/L
	Cd	114	52.292	0.000	0.005285	0.001	24.403	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	109.817
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.829
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	23478.282	0.012	0.388413	ug/L
Cr	53	4268.135	0.000	0.050081	ug/L
Co	59	869.056	0.002	0.053789	ug/L
Cu	63	14812.480	0.037	1.975725	ug/L
Cu	65	6900.642	0.017	1.902913	ug/L
Zn	66	6950.867	0.017	3.045258	ug/L
Zn	68	7831.569	0.014	3.141504	ug/L
Ge	72	393280.081	393280.081		ug/L

Se	77	270.007	0.000	0.137772	ug/L
Se	82	286.877	0.000	0.007556	ug/L
Rh	103	262428.857	262428.857		ug/L
Ag	107	68.001	0.000	0.003871	ug/L
Cd	111	34.706	0.000	0.008888	ug/L
Cd	114	60.902	0.000	0.008536	ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Cr	52	23808.487	0.013	0.397262	ug/L
Cr	53	4195.088	-0.000	-0.004276	ug/L
Ce	58	662.066	0.002	0.053137	ug/L
Cu	63	14840.530	0.037	1.973833	ug/L
Cu	65	7047.049	0.017	1.967820	ug/L
Zn	66	7228.204	0.016	3.181905	ug/L
Zn	68	7689.833	0.014	3.167793	ug/L
Ge	72	384389.802	384389.802		ug/L
Se	77	211.005	-0.000	-0.121306	ug/L
Se	82	202.038	-0.000	-0.284848	ug/L
Rh	103	288080.807	288080.807		ug/L
Ag	107	86.002	0.000	0.008388	ug/L
Cd	111	40.051	0.000	0.011588	ug/L
Cd	114	53.340	0.000	0.005354	ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Cr	52	24158.202	0.014	0.418177	ug/L
Cr	53	4183.091	-0.000	-0.008023	ug/L
Ce	58	814.048	0.002	0.048877	ug/L
Cu	63	14819.483	0.037	1.973308	ug/L
Cu	65	7166.153	0.016	2.004224	ug/L
Zn	66	7180.146	0.017	3.135388	ug/L
Zn	68	7741.672	0.014	3.188028	ug/L
Ge	72	393837.032	393837.032		ug/L
Se	77	233.008	-0.000	-0.024802	ug/L
Se	82	211.431	-0.000	-0.234318	ug/L
Rh	103	281000.838	281000.838		ug/L
Ag	107	78.001	0.000	0.004791	ug/L
Cd	111	32.746	0.000	0.009404	ug/L
Cd	114	42.832	0.000	0.003882	ug/L

Sample Information

Sample ID: 1002144-19
Autosampler Position: 36
Sample Date/Time: Wednesday, February 17, 2010 19:26:37
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1002144-19.039
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	195505.169	0.452	13.586364	0.462	3.403	ug/L
	Cr	53	24407.273	0.052	13.045143	0.504	3.867	ug/L
	Co	59	443.016	0.001	0.024158	0.001	2.466	ug/L
	Cu	63	66935.766	0.170	9.051536	0.118	1.300	ug/L
	Cu	65	32182.696	0.082	9.217937	0.324	3.516	ug/L
	Zn	66	3821.581	0.009	1.622023	0.022	1.371	ug/L
	Zn	68	4622.995	0.007	1.464168	0.060	4.102	ug/L
>	Ge	72	391832.537	391832.537				ug/L
	Se	77	259.340	0.000	0.095896	0.132	137.496	ug/L
	Se	82	268.564	-0.000	-0.048917	0.112	229.618	ug/L
>	Rh	103	256902.386	256902.386				ug/L
	Ag	107	52.334	0.000	0.002985	0.000	4.412	ug/L
	Cd	111	29.019	0.000	0.008302	0.005	56.039	ug/L
	Cd	114	99.384	0.000	0.012377	0.003	23.379	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	109.251
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.404
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	197405.029	0.469	14.118854	ug/L
Cr	53	24878.735	0.054	13.580829	ug/L
Co	59	443.016	0.001	0.024791	ug/L
Cu	63	68283.224	0.172	9.179888	ug/L
Cu	65	32530.696	0.085	9.536162	ug/L
Zn	66	3781.888	0.008	1.645023	ug/L
Zn	68	4634.339	0.007	1.532142	ug/L
Ge	72	382683.307	382683.307		ug/L

	Se	77	280.007	0.000	0.125588	ug/L
	Se	82	230.569	-0.000	-0.151791	ug/L
	Rh	103	251153.986	251153.986		ug/L
	Ag	107	53.001	0.000	0.003135	ug/L
	Cd	111	22.081	0.000	0.008118	ug/L
	Cd	114	115.321	0.000	0.015051	ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Cr	52	194839.783	0.444	13.342582	ug/L
Cr	53	24003.781	0.050	12.601523	ug/L
Ce	58	447.016	0.001	0.024076	ug/L
Cu	63	67588.728	0.170	8.034683	ug/L
Cu	65	31416.422	0.079	8.880147	ug/L
Zn	66	3882.934	0.009	1.620427	ug/L
Zn	68	4638.337	0.007	1.442089	ug/L
Ge	72	398372.584	398372.584		ug/L
Se	77	229.008	-0.000	-0.048274	ug/L
Se	82	265.921	-0.000	-0.088836	ug/L
Rh	103	256235.833	256235.833		ug/L
Ag	107	52.001	0.000	0.002836	ug/L
Cd	111	44.801	0.000	0.013644	ug/L
Cd	114	102.901	0.000	0.012778	ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Cr	52	194070.714	0.443	13.298848	ug/L
Cr	53	24538.323	0.051	12.838882	ug/L
Ce	58	440.016	0.001	0.023808	ug/L
Cu	63	66827.346	0.166	6.943237	ug/L
Cu	65	32600.870	0.082	9.225300	ug/L
Zn	66	3819.813	0.008	1.600821	ug/L
Zn	68	4588.313	0.008	1.416282	ug/L
Ge	72	398441.741	398441.741		ug/L
Se	77	289.008	0.000	0.210387	ug/L
Se	82	309.207	0.000	0.070843	ug/L
Rh	103	261317.536	261317.536		ug/L
Ag	107	52.001	0.000	0.002988	ug/L
Cd	111	20.078	0.000	0.005145	ug/L
Cd	114	79.830	0.000	0.008308	ug/L

Sample Information

Sample ID: 0B17045-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, February 17, 2010 19:29:25
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\0B17045-CCV.040
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	543699.337	1.349	40.571886	0.408	1.006	ug/L
	Cr	53	67369.226	0.162	41.001867	0.330	0.805	ug/L
	Co	59	611647.893	1.571	41.165259	0.538	1.307	ug/L
	Cu	63	295641.151	0.759	40.373878	0.426	1.054	ug/L
	Cu	65	140240.019	0.360	40.566417	0.519	1.280	ug/L
	Zn	66	87166.743	0.223	40.103716	0.746	1.859	ug/L
	Zn	68	72272.769	0.180	39.812534	0.390	0.981	ug/L
>	Ge	72	389368.715	389368.715				ug/L
	Se	77	9143.106	0.023	39.124548	1.296	3.311	ug/L
	Se	82	12525.758	0.031	39.470523	1.210	3.065	ug/L
>	Rh	103	261655.923	261655.923				ug/L
	Ag	107	499556.072	1.909	39.452269	0.765	1.940	ug/L
	Cd	111	115071.134	0.440	38.518453	0.661	1.716	ug/L
	Cd	114	272379.784	1.041	39.022833	0.597	1.531	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	108.564
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.243
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	541883.858	1.333	40.104311	ug/L
Cr	53	67344.884	0.161	40.836370	ug/L
Co	59	610888.185	1.577	41.318412	ug/L
Cu	63	294429.842	0.748	39.885869	ug/L
Cu	65	139494.211	0.358	40.027374	ug/L
Zn	66	86146.885	0.219	39.313108	ug/L
Zn	68	72363.561	0.179	39.535288	ug/L
Ge	72	392494.276	392494.276		ug/L

: 00463

Se	77	9085.016	0.022	39.457883	ug/L
Se	82	12300.777	0.031	39.422707	ug/L
Rh	103	260882.583	260882.583		ug/L
Ag	107	488980.597	1.877	39.783598	ug/L
Cd	111	114039.369	0.437	38.265787	ug/L
Cd	114	288484.481	1.033	39.704033	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	546045.638	1.358	40.856464	ug/L
Cr	53	67567.852	0.163	41.080514	ug/L
Ce	58	603484.868	1.548	40.567184	ug/L
Cu	63	297427.654	0.763	40.569488	ug/L
Cu	65	142126.182	0.364	41.083152	ug/L
Zn	66	67484.782	0.224	40.203746	ug/L
Zn	68	72081.982	0.180	39.643200	ug/L
Ge	72	389834.189	389834.189		ug/L
Se	77	8988.911	0.022	38.288049	ug/L
Se	82	12456.720	0.031	38.184125	ug/L
Rh	103	258040.038	258040.038		ug/L
Ag	107	505086.179	1.950	40.287189	ug/L
Cd	111	118152.868	0.448	39.268682	ug/L
Cd	114	274443.869	1.058	39.712000	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	541086.218	1.355	40.754883	ug/L
Cr	53	67175.334	0.163	41.276717	ug/L
Ce	58	612588.829	1.566	41.610200	ug/L
Cu	63	295085.887	0.784	40.697517	ug/L
Cu	65	139089.894	0.360	40.909728	ug/L
Zn	66	67896.672	0.227	40.794294	ug/L
Zn	68	72382.804	0.182	40.256115	ug/L
Ge	72	386787.871	386787.871		ug/L
Se	77	9387.380	0.024	40.817702	ug/L
Se	82	12819.777	0.033	40.784738	ug/L
Rh	103	264836.148	264836.148		ug/L
Ag	107	503722.440	1.901	39.288019	ug/L
Cd	111	115021.383	0.434	38.020809	ug/L
Cd	114	273201.003	1.031	38.852485	ug/L

Sample Information

Sample ID: 0B17045-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, February 17, 2010 19:34:30
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\0B17045-CCB.041
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	16412.310	-0.004	-0.123214	0.003	2.357	ug/L
	Cr	53	3382.054	-0.002	-0.436013	0.090	20.733	ug/L
	Co	59	72.001	-0.000	-0.000497	0.001	173.175	ug/L
	Cu	63	342.344	0.000	0.005552	0.003	51.623	ug/L
	Cu	65	177.004	0.000	0.005729	0.004	75.054	ug/L
	Zn	66	259.340	-0.000	-0.007941	0.002	22.642	ug/L
	Zn	68	1832.887	-0.000	-0.072248	0.024	33.267	ug/L
>	Ge	72	378873.782	378873.782				ug/L
	Se	77	226.672	-0.000	-0.012979	0.066	507.001	ug/L
	Se	82	200.255	-0.000	-0.244580	0.113	46.177	ug/L
>	Rh	103	254598.981	254598.981				ug/L
	Ag	107	48.001	0.000	0.002672	0.001	27.771	ug/L
	Cd	111	8.034	0.000	0.001168	0.004	307.001	ug/L
	Cd	114	23.311	0.000	0.001272	0.001	52.132	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	105.638
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.513
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B17045-CCB	Cr	53	
0B17045-CCB	Se	82	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	16388.217	-0.004	-0.124849	ug/L
Cr	53	3458.792	-0.002	-0.391082	ug/L
Co	59	74.001	-0.000	-0.000353	ug/L
Cu	63	321.009	0.000	0.002833	ug/L
Cu	65	181.003	0.000	0.001052	ug/L
Zn	66	261.007	-0.000	-0.008528	ug/L

	Zn	66	1677.230	-0.000	-0.044508	ug/L
	Ge	72	376201.452	376201.452		ug/L
	Se	77	225.006	-0.000	-0.016882	ug/L
	Se	82	236.387	-0.000	-0.123484	ug/L
	Rh	103	254207.543	254207.543		ug/L
	Ag	107	45.001	0.000	0.002433	ug/L
	Cd	111	-0.384	-0.000	-0.001709	ug/L
	Cd	114	28.381	0.000	0.002034	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	16389.272	-0.004	-0.118872	ug/L
Cr	53	3443.748	-0.002	-0.366816	ug/L
Ca	58	83.001	0.000	0.000283	ug/L
Cu	63	381.011	0.000	0.006382	ug/L
Cu	65	189.004	0.000	0.008510	ug/L
Zn	66	254.008	-0.000	-0.010017	ug/L
Zn	68	1801.213	-0.000	-0.086787	ug/L
Ge	72	377484.118	377484.118		ug/L
Se	77	241.008	0.000	0.060581	ug/L
Se	82	168.683	-0.000	-0.347048	ug/L
Rh	103	253338.808	253338.808		ug/L
Ag	107	58.001	0.000	0.003805	ug/L
Cd	111	4.680	0.000	0.000027	ug/L
Cd	114	21.517	0.000	0.001023	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	16478.441	-0.004	-0.125120	ug/L
Cr	53	3243.884	-0.002	-0.540348	ug/L
Ca	58	58.001	-0.000	-0.001422	ug/L
Cu	63	348.011	0.000	0.005880	ug/L
Cu	65	181.004	0.000	0.008825	ug/L
Zn	66	263.007	-0.000	-0.009880	ug/L
Zn	68	1820.217	-0.000	-0.085440	ug/L
Ge	72	380956.777	380956.777		ug/L
Se	77	214.005	-0.000	-0.075828	ug/L
Se	82	195.884	-0.000	-0.293207	ug/L
Rh	103	256252.784	256252.784		ug/L
Ag	107	41.001	0.000	0.002080	ug/L
Cd	111	18.807	0.000	0.009186	ug/L
Cd	114	20.038	0.000	0.000770	ug/L

Sample Information

Sample ID: 1001399-MS1
Autosampler Position: 37
Sample Date/Time: Wednesday, February 17, 2010 19:37:17
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1001399-MS1.042
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	454954.058	1.084	32.594200	0.227	0.696	ug/L
	Cr	53	55188.696	0.127	31.961634	0.560	1.753	ug/L
	Co	59	297425.737	0.739	19.377461	0.380	1.960	ug/L
	Cu	63	207163.835	0.514	27.374947	0.558	2.038	ug/L
	Cu	65	100380.656	0.249	28.096512	0.467	1.663	ug/L
	Zn	66	44251.981	0.109	19.643386	0.493	2.510	ug/L
	Zn	68	37501.245	0.088	19.431158	0.342	1.761	ug/L
>	Ge	72	402223.544	402223.544				ug/L
	Se	77	4191.763	0.010	16.786295	0.224	1.332	ug/L
	Se	82	5855.466	0.014	17.367901	0.787	4.530	ug/L
>	Rh	103	263719.634	263719.634				ug/L
	Ag	107	240090.468	0.910	18.810134	0.218	1.159	ug/L
	Cd	111	55319.191	0.210	18.369081	0.212	1.154	ug/L
	Cd	114	129892.008	0.492	18.460643	0.052	0.280	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	112.148
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.042
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	456414.116	1.078	32.464631	ug/L
Cr	53	55208.834	0.128	31.719884	ug/L
Co	59	298716.010	0.732	19.168383	ug/L
Cu	63	203800.387	0.502	28.744857	ug/L
Cu	65	98368.275	0.245	27.816428	ug/L
Zn	66	43381.054	0.108	19.110878	ug/L
Zn	68	37051.556	0.088	19.036154	ug/L
Ge	72	405181.084	405181.084		ug/L

	Se	77	4174.087	0.010	18.581159	ug/L
	Se	82	5877.249	0.013	18.677937	ug/L
	Rh	103	261388.839	261388.839		ug/L
	Ag	107	238814.469	0.905	18.703109	ug/L
	Cd	111	54573.356	0.208	18.282833	ug/L
	Cd	114	128938.394	0.492	18.447811	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	451863.440	1.082	32.855888	ug/L
Cr	53	35380.988	0.129	33.602382	ug/L
Co	59	299883.881	0.758	19.614746	ug/L
Cu	63	207318.214	0.522	27.808317	ug/L
Cu	65	100483.301	0.253	28.548873	ug/L
Zn	66	44573.334	0.112	20.084311	ug/L
Zn	68	37317.743	0.089	19.637897	ug/L
Ge	72	398242.588	398242.588		ug/L
Se	77	4185.083	0.010	17.024738	ug/L
Se	82	6040.824	0.015	18.224382	ug/L
Rh	103	264783.437	264783.437		ug/L
Ag	107	239210.088	0.903	18.866376	ug/L
Cd	111	55071.245	0.208	18.213891	ug/L
Cd	114	130817.882	0.494	18.517601	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	456784.617	1.090	32.471800	ug/L
Cr	53	54978.289	0.128	31.582857	ug/L
Co	59	290888.519	0.730	18.128242	ug/L
Cu	63	210272.908	0.516	27.573587	ug/L
Cu	65	101250.391	0.248	28.123133	ug/L
Zn	66	44801.355	0.110	19.734873	ug/L
Zn	68	36134.435	0.088	19.618384	ug/L
Ge	72	405278.971	405278.971		ug/L
Se	77	4218.108	0.010	16.782980	ug/L
Se	82	5848.329	0.014	17.201814	ug/L
Rh	103	264979.528	264979.528		ug/L
Ag	107	244448.840	0.922	19.080823	ug/L
Cd	111	56312.970	0.213	18.610818	ug/L
Cd	114	130201.737	0.491	18.416719	ug/L

Sample Information

Sample ID: 1001399-MSD1
Autosampler Position: 38
Sample Date/Time: Wednesday, February 17, 2010 19:42:27
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1001399-MSD1.043
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	443428.463	1.062	31.933314	0.500	1.565	ug/L
	Cr	53	54237.861	0.125	31.568297	0.761	2.410	ug/L
	Co	59	295635.575	0.739	19.375397	0.293	1.512	ug/L
	Cu	63	274603.571	0.686	36.518264	0.218	0.596	ug/L
	Cu	65	132236.638	0.330	37.250203	0.371	0.996	ug/L
	Zn	66	127316.600	0.318	57.100248	0.893	1.563	ug/L
	Zn	68	99582.506	0.244	53.815025	0.660	1.227	ug/L
>	Ge	72	399780.056	399780.056				ug/L
	Se	77	4237.787	0.010	17.090625	0.604	3.535	ug/L
	Se	82	5739.020	0.014	17.108016	0.569	3.326	ug/L
>	Rh	103	261545.503	261545.503				ug/L
	Ag	107	234721.731	0.897	18.544359	0.204	1.099	ug/L
	Cd	111	54743.464	0.209	18.331315	0.269	1.466	ug/L
	Cd	114	127250.356	0.486	18.234935	0.208	1.140	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	111.467
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.200
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	439383.191	1.050	31.591624	ug/L
Cr	53	53892.908	0.124	31.197290	ug/L
Co	59	293895.884	0.734	19.225388	ug/L
Cu	63	279543.081	0.686	36.603813	ug/L
Cu	65	131589.807	0.328	37.021958	ug/L
Zn	66	125649.428	0.313	56.289436	ug/L
Zn	68	98693.614	0.241	53.246878	ug/L
Ge	72	400211.719	400211.719		ug/L

00469

	Se	77	4119.059	0.010	16.983479	ug/L
	Be	82	5539.169	0.013	16.524288	ug/L
	Rh	103	258767.769	258767.769		ug/L
	Ag	107	234704.891	0.907	18.740588	ug/L
	Cd	111	54788.536	0.212	18.534886	ug/L
	Cd	114	124505.676	0.481	18.033735	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	440150.139	1.054	31.701384	ug/L
Cr	53	53430.273	0.125	31.073123	ug/L
Co	59	292842.891	0.732	19.187717	ug/L
Cu	63	372622.288	0.881	38.270828	ug/L
Cu	65	131488.238	0.329	37.050288	ug/L
Zn	66	128836.728	0.317	56.864873	ug/L
Zn	68	98248.516	0.243	53.655567	ug/L
Ge	72	398930.400	398930.400		ug/L
Se	77	4205.103	0.010	16.868800	ug/L
Be	82	5748.313	0.014	17.139888	ug/L
Rh	103	264479.899	264479.899		ug/L
Ag	107	234878.797	0.887	18.333618	ug/L
Cd	111	54442.488	0.208	18.028887	ug/L
Cd	114	128581.648	0.486	18.222172	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	450772.059	1.081	32.508858	ug/L
Cr	53	55580.359	0.128	32.444478	ug/L
Co	59	300598.469	0.752	19.713078	ug/L
Cu	63	275845.383	0.689	39.680181	ug/L
Cu	65	133670.670	0.334	37.676363	ug/L
Zn	66	129363.647	0.323	56.058635	ug/L
Zn	68	100834.388	0.247	54.540838	ug/L
Ge	72	398528.051	398528.051		ug/L
Se	77	4389.189	0.010	17.748804	ug/L
Se	82	5911.578	0.014	17.681074	ug/L
Rh	103	261382.844	261382.844		ug/L
Ag	107	234784.808	0.888	18.558892	ug/L
Cd	111	55019.354	0.210	18.432580	ug/L
Cd	114	128883.746	0.482	18.448898	ug/L

: 00470

Sample Information

Sample ID: 0B17045-SRD1
Autosampler Position: 39
Sample Date/Time: Wednesday, February 17, 2010 19:47:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\0B17045-SRD1.044
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	51199.314	0.085	2.560235	0.032	1.242	ug/L
	Cr	53	7440.396	0.009	2.172963	0.086	3.950	ug/L
	Co	59	143.336	0.000	0.004247	0.000	9.315	ug/L
	Cu	63	13573.848	0.034	1.827898	0.024	1.324	ug/L
	Cu	65	6523.952	0.016	1.857354	0.024	1.301	ug/L
	Zn	66	1002.737	0.002	0.335536	0.020	5.881	ug/L
	Zn	68	2404.037	0.001	0.233514	0.024	10.465	ug/L
>	Ge	72	386311.390	386311.390				ug/L
	Se	77	238.006	0.000	0.017430	0.016	91.305	ug/L
	Se	82	241.184	-0.000	-0.125258	0.142	113.413	ug/L
>	Rh	103	253663.692	253663.692				ug/L
	Ag	107	58.001	0.000	0.003499	0.000	2.717	ug/L
	Cd	111	11.985	0.000	0.002558	0.002	79.534	ug/L
	Cd	114	25.780	0.000	0.001648	0.001	38.790	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	107.711
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.151
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	51507.209	0.084	2.538442	ug/L
Cr	53	7838.574	0.008	2.242170	ug/L
Co	59	141.003	0.000	0.003972	ug/L
Cu	63	13567.220	0.034	1.809723	ug/L
Cu	65	6517.613	0.016	1.832888	ug/L
Zn	66	980.087	0.002	0.319588	ug/L
Zn	68	2383.385	0.001	0.209431	ug/L
Ge	72	390841.778	390841.778		ug/L

Se	77	237.008	0.000	0.000444	ug/L
Se	82	252.404	-0.000	-0.087828	ug/L
Rh	103	254236.404	254236.404		ug/L
Ag	107	57.001	0.000	0.003497	ug/L
Cd	111	9.448	0.000	0.000283	ug/L
Cd	114	30.680	0.000	0.002270	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	50838.623	0.088	2.568391	ug/L
Cr	53	7378.339	0.009	2.189788	ug/L
Co	59	148.003	0.000	0.004700	ug/L
Cu	63	13583.187	0.035	1.855083	ug/L
Cu	65	6438.548	0.016	1.857988	ug/L
Zn	66	976.087	0.002	0.329442	ug/L
Zn	68	2381.387	0.001	0.245177	ug/L
Ge	72	380868.834	380868.834		ug/L
Se	77	238.008	0.000	0.031886	ug/L
Se	82	180.888	-0.000	-0.278103	ug/L
Rh	103	252798.867	252798.867		ug/L
Ag	107	58.001	0.000	0.003697	ug/L
Cd	111	18.783	0.000	0.004231	ug/L
Cd	114	21.288	0.000	0.000883	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	51134.917	0.085	2.547802	ug/L
Cr	53	7308.278	0.008	2.078832	ug/L
Co	59	141.003	0.000	0.004088	ug/L
Cu	63	13541.128	0.034	1.819879	ug/L
Cu	65	6817.883	0.017	1.961208	ug/L
Zn	66	1052.077	0.002	0.357589	ug/L
Zn	68	2437.381	0.001	0.249834	ug/L
Ge	72	386988.868	386988.868		ug/L
Se	77	239.008	0.000	0.019890	ug/L
Se	82	280.258	0.000	0.000808	ug/L
Rh	103	253858.105	253858.105		ug/L
Ag	107	58.001	0.000	0.003493	ug/L
Cd	111	13.723	0.000	0.003146	ug/L
Cd	114	26.023	0.000	0.001680	ug/L

Sample Information

Sample ID: 1001399-PS1
Autosampler Position: 40
Sample Date/Time: Wednesday, February 17, 2010 19:50:25
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1001399-PS1.045
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	461703.037	1.110	33.382608	0.225	0.673	ug/L
	Cr	53	56728.337	0.132	33.217733	0.233	0.702	ug/L
	Co	59	306244.479	0.767	20.112486	0.142	0.704	ug/L
	Cu	63	213615.781	0.535	28.457332	0.164	0.575	ug/L
	Cu	65	102465.582	0.256	28.912749	0.235	0.811	ug/L
	Zn	66	45590.524	0.114	20.405766	0.346	1.694	ug/L
	Zn	68	38775.125	0.092	20.300040	0.528	2.600	ug/L
>	Ge	72	398938.352	398938.352				ug/L
	Se	77	4411.212	0.010	17.870589	0.422	2.363	ug/L
	Se	82	6003.483	0.014	17.979177	0.524	2.914	ug/L
>	Rh	103	259413.813	259413.813				ug/L
	Ag	107	244221.148	0.941	19.453793	0.261	1.343	ug/L
	Cd	111	57255.734	0.221	19.330307	0.265	1.369	ug/L
	Cd	114	132945.936	0.512	19.210810	0.282	1.470	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	111.232
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.376
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	460082.809	1.119	33.842083	ug/L
Cr	53	56284.082	0.132	33.336808	ug/L
Co	59	300748.678	0.762	19.971022	ug/L
Cu	63	208864.805	0.531	28.266358	ug/L
Cu	65	100384.116	0.254	28.843313	ug/L
Zn	66	44803.588	0.113	20.275191	ug/L
Zn	68	37290.621	0.088	19.711204	ug/L
Ge	72	394583.884	394583.884		ug/L

	Se	77	4264.144	0.010	17.530887	ug/L
	Se	82	6065.411	0.015	18.363886	ug/L
	Rh	103	2801701.458	2801701.458		ug/L
	Ag	107	242347.830	0.831	19.248588	ug/L
	Cd	111	58941.288	0.219	19.168182	ug/L
	Cd	114	132989.408	0.511	19.141102	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	483724.873	1.108	33.253428	ug/L
Cr	53	56780.213	0.130	32.848889	ug/L
Co	59	308707.048	0.767	20.112388	ug/L
Cu	63	218024.286	0.536	28.548728	ug/L
Cu	65	103883.083	0.257	29.023439	ug/L
Zn	66	45373.843	0.112	20.144419	ug/L
Zn	68	39887.536	0.094	20.730831	ug/L
Ge	72	402161.312	402161.312		ug/L
Se	77	4418.213	0.010	17.737410	ug/L
Se	82	6112.414	0.014	18.186208	ug/L
Rh	103	255821.848	255821.848		ug/L
Ag	107	244488.230	0.956	19.747301	ug/L
Cd	111	57380.828	0.224	19.636810	ug/L
Cd	114	133241.859	0.521	19.521486	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	481321.829	1.108	33.252317	ug/L
Cr	53	57130.738	0.132	33.387324	ug/L
Co	59	308279.711	0.773	20.254049	ug/L
Cu	63	214868.243	0.536	28.554816	ug/L
Cu	65	103319.577	0.258	29.071486	ug/L
Zn	66	46384.364	0.116	20.797689	ug/L
Zn	68	39187.219	0.083	20.457985	ug/L
Ge	72	400080.081	400080.081		ug/L
Se	77	4534.278	0.011	18.343488	ug/L
Se	82	5832.623	0.014	17.387329	ug/L
Rh	103	282249.134	282249.134		ug/L
Ag	107	245829.384	0.937	19.367913	ug/L
Cd	111	57466.106	0.219	19.189180	ug/L
Cd	114	132729.741	0.506	18.988832	ug/L

Sample Information

Sample ID: 1001400-BLK1
Autosampler Position: 41
Sample Date/Time: Wednesday, February 17, 2010 19:55:29
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1001400-BLK1.046
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	20780.419	0.006	0.191561	0.010	5.165	ug/L
	Cr	53	3670.845	-0.001	-0.291106	0.042	14.493	ug/L
	Co	59	82.335	0.000	0.000099	0.001	836.074	ug/L
	Cu	63	1009.071	0.002	0.096491	0.004	3.820	ug/L
	Cu	65	429.015	0.001	0.078238	0.003	3.797	ug/L
	Zn	66	4268.136	0.010	1.854674	0.063	3.417	ug/L
	Zn	68	5064.923	0.008	1.752722	0.044	2.502	ug/L
>	Ge	72	386378.172	386378.172				ug/L
	Se	77	231.339	-0.000	-0.012267	0.017	138.566	ug/L
	Se	82	231.768	-0.000	-0.154886	0.130	84.045	ug/L
>	Rh	103	255052.713	255052.713				ug/L
	Ag	107	66.334	0.000	0.004145	0.000	7.604	ug/L
	Cd	111	8.829	0.000	0.001455	0.002	136.461	ug/L
	Cd	114	12.938	-0.000	-0.000264	0.002	871.252	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	107.730
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.688
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	20809.408	0.006	0.180427	ug/L
Cr	53	3686.844	-0.001	-0.323733	ug/L
Co	59	85.001	0.000	0.000880	ug/L
Cu	63	983.089	0.002	0.082466	ug/L
Cu	65	442.016	0.001	0.080372	ug/L
Zn	66	4187.063	0.010	1.782088	ug/L
Zn	68	5084.589	0.008	1.714773	ug/L
Ge	72	381452.981	381452.981		ug/L

Se	77	230.008	-0.000	-0.031469	ug/L
Se	82	221.525	-0.000	-0.197884	ug/L
Rh	103	258566.036	258566.036		ug/L
Ag	107	72.001	0.000	0.004606	ug/L
Cd	111	8.779	0.000	0.000704	ug/L
Cd	114	19.484	0.000	0.002217	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	20723.844	0.007	0.186360	ug/L
Cr	53	3715.668	-0.001	-0.243483	ug/L
Co	59	63.001	0.000	0.000192	ug/L
Cu	63	1025.073	0.003	0.089741	ug/L
Cu	65	430.016	0.001	0.079486	ug/L
Zn	66	4331.189	0.011	1.698618	ug/L
Zn	68	3110.619	0.008	1.800721	ug/L
Ge	72	383484.001	383484.001		ug/L
Se	77	231.008	-0.000	-0.008087	ug/L
Se	82	186.481	-0.000	-0.258371	ug/L
Rh	103	252788.281	252788.281		ug/L
Ag	107	64.001	0.000	0.004008	ug/L
Cd	111	4.440	-0.000	-0.000048	ug/L
Cd	114	-4.081	-0.000	-0.002763	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	20707.904	0.008	0.194807	ug/L
Cr	53	3627.836	-0.001	-0.308123	ug/L
Co	59	68.001	-0.000	-0.000774	ug/L
Cu	63	1008.071	0.002	0.087248	ug/L
Cu	65	415.014	0.001	0.074845	ug/L
Zn	66	4308.186	0.010	1.683138	ug/L
Zn	68	5019.581	0.008	1.743970	ug/L
Ge	72	384217.565	384217.565		ug/L
Se	77	233.008	0.000	0.000794	ug/L
Se	82	276.288	-0.000	-0.008702	ug/L
Rh	103	252808.842	252808.842		ug/L
Ag	107	83.001	0.000	0.000823	ug/L
Cd	111	15.269	0.000	0.000708	ug/L
Cd	114	28.411	0.000	0.001798	ug/L

Sample Information

Sample ID: 1001400-BS1
Autosampler Position: 42
Sample Date/Time: Wednesday, February 17, 2010 19:58:13
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1001400-BS1.047
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	282400.571	0.675	20.301313	0.345	1.698	ug/L
	Cr	53	34696.767	0.078	19.721867	0.306	1.551	ug/L
	Co	59	295435.983	0.755	19.800024	0.051	0.257	ug/L
	Cu	63	147358.842	0.376	20.019640	0.194	0.971	ug/L
	Cu	65	69168.285	0.177	19.902339	0.250	1.255	ug/L
	Zn	66	47289.297	0.120	21.608313	0.447	2.069	ug/L
	Zn	68	39945.246	0.097	21.403393	0.261	1.217	ug/L
>	Ge	72	390938.688	390938.688				ug/L
	Se	77	4327.500	0.010	17.892775	0.155	0.865	ug/L
	Se	82	5686.361	0.014	17.345434	0.217	1.249	ug/L
>	Rh	103	260162.816	260162.816				ug/L
	Ag	107	241644.514	0.929	19.191323	0.153	0.796	ug/L
	Cd	111	56358.732	0.217	18.969886	0.150	0.793	ug/L
	Cd	114	130554.380	0.502	18.809470	0.417	2.217	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	109.002
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.665
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	284817.622	0.688	20.633043	ug/L
Cr	53	34966.551	0.079	20.082889	ug/L
Co	59	293105.644	0.756	19.780310	ug/L
Cu	63	144890.225	0.372	19.788625	ug/L
Cu	65	67738.874	0.174	19.636200	ug/L
Zn	66	46797.499	0.120	21.541185	ug/L
Zn	68	39569.256	0.097	21.373771	ug/L
Ge	72	388049.147	388049.147		ug/L

: 00477

	Se	77	4274.139	0.010	17.798479	ug/L
	Se	82	5570.888	0.014	17.107853	ug/L
	Rh	103	257556.074	257556.074		ug/L
	Ag	107	236238.763	0.925	19.112121	ug/L
	Cd	111	55285.744	0.218	18.801174	ug/L
	Cd	114	128673.888	0.509	18.725291	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	280237.832	0.683	19.944803	ug/L
Cr	53	34883.122	0.078	19.831703	ug/L
Co	59	298883.700	0.756	19.855074	ug/L
Cu	63	148784.079	0.378	20.188888	ug/L
Cu	65	69804.671	0.177	19.838334	ug/L
Zn	66	48609.567	0.118	21.198840	ug/L
Zn	68	39881.507	0.086	21.158840	ug/L
Ge	72	394382.378	394382.378		ug/L
Se	77	4348.177	0.010	17.806370	ug/L
Se	82	5752.210	0.014	17.398228	ug/L
Rh	103	262751.601	262751.601		ug/L
Ag	107	242617.208	0.924	19.084387	ug/L
Cd	111	57083.484	0.217	19.016584	ug/L
Cd	114	129277.319	0.492	18.441018	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	282348.260	0.676	20.328082	ug/L
Cr	53	34281.929	0.077	19.471231	ug/L
Co	59	294338.805	0.754	19.754887	ug/L
Cu	63	147682.223	0.377	20.080428	ug/L
Cu	65	69681.309	0.179	20.131484	ug/L
Zn	66	46280.824	0.123	22.085134	ug/L
Zn	68	40374.976	0.096	21.977468	ug/L
Ge	72	380384.541	380384.541		ug/L
Se	77	4362.185	0.011	18.071478	ug/L
Se	82	5738.208	0.014	17.532222	ug/L
Rh	103	260180.773	260180.773		ug/L
Ag	107	243879.572	0.937	19.387452	ug/L
Cd	111	56716.868	0.218	19.088680	ug/L
Cd	114	133711.621	0.514	18.262145	ug/L

Sample Information

Sample ID: 1002144-20
Autosampler Position: 43
Sample Date/Time: Wednesday, February 17, 2010 20:03:17
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1002144-20.048
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	28388.557	0.026	0.791714	0.034	4.325	ug/L
	Cr	53	4678.693	0.001	0.378310	0.036	9.525	ug/L
	Co	59	194.004	0.000	0.007728	0.001	9.063	ug/L
	Cu	63	15322.561	0.039	2.075833	0.022	1.075	ug/L
	Cu	65	7340.306	0.019	2.102675	0.034	1.624	ug/L
	Zn	66	2670.455	0.006	1.115436	0.029	2.563	ug/L
	Zn	68	4231.117	0.006	1.285453	0.092	7.145	ug/L
>	Ge	72	385017.377	385017.377				ug/L
	Se	77	244.008	0.000	0.047692	0.034	70.332	ug/L
	Se	82	238.290	-0.000	-0.130607	0.091	69.999	ug/L
>	Rh	103	254929.647	254929.647				ug/L
	Ag	107	93.668	0.000	0.006372	0.001	15.118	ug/L
	Cd	111	16.028	0.000	0.003925	0.001	27.536	ug/L
	Cd	114	29.220	0.000	0.002135	0.000	20.940	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	107.351
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.641
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	28482.812	0.026	0.795834	ug/L
Cr	53	4716.383	0.002	0.398567	ug/L
Co	59	185.004	0.000	0.007080	ug/L
Cu	63	15208.013	0.038	2.058813	ug/L
Cu	65	7238.213	0.018	2.068427	ug/L
Zn	66	2612.436	0.006	1.086202	ug/L
Zn	68	4248.124	0.008	1.289086	ug/L
Ge	72	385715.440	385715.440		ug/L

Se	77	242.009	0.000	0.039859	ug/L
Se	82	229.854	-0.000	-0.160019	ug/L
Rh	103	252567.782	252567.782		ug/L
Ag	107	104.002	0.000	0.007283	ug/L
Cd	111	15.758	0.000	0.003881	ug/L
Cd	114	28.189	0.000	0.002171	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	28513.984	0.037	0.623628	ug/L
Cr	53	4884.302	0.002	0.398858	ug/L
Co	59	203.008	0.000	0.008478	ug/L
Cd	63	15343.263	0.039	2.089888	ug/L
Cu	65	7287.249	0.019	2.102888	ug/L
Zn	66	2648.447	0.008	1.116771	ug/L
Zn	68	4345.176	0.008	1.375427	ug/L
Ge	72	361163.863	361163.863		ug/L
Se	77	250.009	0.000	0.085381	ug/L
Se	82	267.210	-0.000	-0.028088	ug/L
Rh	103	256082.693	256082.693		ug/L
Ag	107	95.001	0.000	0.008470	ug/L
Cd	111	19.258	0.000	0.009028	ug/L
Cd	114	26.072	0.000	0.001670	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	28156.778	0.026	0.755881	ug/L
Cr	53	4853.346	0.001	0.336706	ug/L
Co	59	184.004	0.000	0.007818	ug/L
Cu	63	15419.406	0.039	2.071790	ug/L
Cu	65	7517.484	0.019	2.139734	ug/L
Zn	66	2752.482	0.008	1.143333	ug/L
Zn	68	4102.000	0.005	1.161837	ug/L
Ge	72	368172.709	368172.709		ug/L
Se	77	240.008	0.000	0.021056	ug/L
Se	82	217.809	-0.000	-0.202709	ug/L
Rh	103	257138.469	257138.469		ug/L
Ag	107	82.001	0.000	0.005394	ug/L
Cd	111	13.088	0.000	0.002667	ug/L
Cd	114	32.389	0.000	0.002583	ug/L

Sample Information

Sample ID: 1001400-MS1
Autosampler Position: 44
Sample Date/Time: Wednesday, February 17, 2010 20:06:02
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1001400-MS1.049
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	294833.531	0.693	20.847860	0.240	1.152	ug/L
	Cr	53	36387.641	0.081	20.391887	0.499	2.449	ug/L
	Co	59	301189.385	0.756	19.821904	0.116	0.583	ug/L
	Cu	63	161918.231	0.406	21.605761	0.202	0.934	ug/L
	Cu	65	77102.480	0.193	21.791631	0.271	1.244	ug/L
	Zn	66	42460.672	0.106	19.034783	0.187	0.984	ug/L
	Zn	68	36768.647	0.087	19.235254	0.184	0.957	ug/L
>	Ge	72	398129.749	398129.749				ug/L
	Se	77	4267.135	0.010	17.292912	0.331	1.916	ug/L
	Se	82	5776.574	0.014	17.300394	0.097	0.563	ug/L
>	Rh	103	258161.670	258161.670				ug/L
	Ag	107	245085.835	0.949	19.613705	0.265	1.351	ug/L
	Cd	111	55688.814	0.216	18.890461	0.085	0.448	ug/L
	Cd	114	131194.630	0.508	19.046380	0.140	0.734	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	111.007
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.891
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	294084.384	0.894	20.864688	ug/L
Cr	53	36310.297	0.081	20.418833	ug/L
Co	59	301708.534	0.760	19.923850	ug/L
Cu	63	160686.172	0.404	21.515202	ug/L
Cu	65	77217.875	0.194	21.887788	ug/L
Zn	66	41846.231	0.105	18.623531	ug/L
Zn	68	36261.170	0.088	19.034352	ug/L
Ge	72	398782.461	398782.461		ug/L

: 00481

	Se	77	4201.101	0.010	17.070053	ug/L
	Se	82	5722.137	0.014	17.191301	ug/L
	Rh	103	295139.359	295139.359		ug/L
	Ag	107	238889.500	0.938	19.344486	ug/L
	Cd	111	55125.404	0.216	18.820880	ug/L
	Cd	114	128882.108	0.504	18.908374	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	295458.409	0.701	21.078088	ug/L
Cr	53	38851.671	0.083	20.877248	ug/L
Co	59	298088.905	0.797	19.845483	ug/L
Cu	63	162304.837	0.410	21.636888	ug/L
Cu	65	77180.531	0.185	21.883873	ug/L
Zn	66	42430.188	0.107	19.180412	ug/L
Zn	68	16763.238	0.086	19.388058	ug/L
Ge	72	384645.569	384645.569		ug/L
Se	77	4320.163	0.010	17.673803	ug/L
Se	82	5738.535	0.014	17.331288	ug/L
Rh	103	258045.194	258045.194		ug/L
Ag	107	246012.848	0.950	19.622532	ug/L
Cd	111	55588.880	0.215	18.794888	ug/L
Cd	114	131653.178	0.508	19.048888	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	294977.821	0.696	20.988804	ug/L
Cr	53	38000.808	0.078	19.878879	ug/L
Co	59	302788.717	0.752	19.686386	ug/L
Cu	63	162754.585	0.403	21.485215	ug/L
Cu	65	78808.036	0.191	21.483421	ug/L
Zn	66	43103.818	0.108	19.100407	ug/L
Zn	68	37271.538	0.087	19.275353	ug/L
Ge	72	402781.208	402781.208		ug/L
Se	77	4280.142	0.010	17.135070	ug/L
Se	82	5869.050	0.014	17.378591	ug/L
Rh	103	280301.458	280301.458		ug/L
Ag	107	250375.080	0.992	19.874086	ug/L
Cd	111	56344.188	0.218	18.965618	ug/L
Cd	114	133238.808	0.512	19.185088	ug/L

Sample Information

Sample ID: 1001400-MSD1
Autosampler Position: 45
Sample Date/Time: Wednesday, February 17, 2010 20:11:08
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1001400-MSD1.050
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	294562.670	0.697	20.977362	0.271	1.291	ug/L
	Cr	53	36595.215	0.082	20.677962	0.319	1.543	ug/L
	Co	59	298047.016	0.754	19.748453	0.395	2.000	ug/L
	Cu	63	161167.538	0.407	21.651037	0.243	1.123	ug/L
	Cu	65	76106.083	0.192	21.654334	0.363	1.677	ug/L
	Zn	66	42688.851	0.107	19.269859	0.490	2.543	ug/L
	Zn	68	37372.994	0.089	19.711308	0.293	1.486	ug/L
>	Ge	72	395452.511	395452.511				ug/L
	Se	77	4420.217	0.011	18.079206	0.617	3.414	ug/L
	Se	82	5966.026	0.014	18.025066	0.204	1.134	ug/L
>	Rh	103	260611.892	260611.892				ug/L
	Ag	107	242817.291	0.932	19.253946	0.373	1.939	ug/L
	Cd	111	56141.173	0.215	18.865868	0.364	1.927	ug/L
	Cd	114	131439.904	0.504	18.903860	0.042	0.223	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	110.260
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.839
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	292497.832	0.688	20.888477	ug/L
Cr	53	36867.881	0.082	20.584355	ug/L
Co	59	292808.192	0.736	19.292873	ug/L
Cu	63	160158.992	0.402	21.395356	ug/L
Cu	65	75191.450	0.189	21.274248	ug/L
Zn	66	41679.368	0.104	18.704868	ug/L
Zn	68	37031.467	0.088	19.405829	ug/L
Ge	72	397649.296	397649.296		ug/L

: 00483

Se	77	4286.145	0.010	17.385389	ug/L
Se	82	8043.272	0.014	18.164427	ug/L
Rh	103	257342.628	257342.628		ug/L
Ag	107	239851.109	0.932	19.257597	ug/L
Cd	111	54842.614	0.213	18.662569	ug/L
Cd	114	129881.389	0.505	18.913743	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	294622.576	0.686	20.999560	ug/L
Cr	53	38148.988	0.091	20.408977	ug/L
Co	59	301485.988	0.783	19.988488	ug/L
Cu	63	181281.776	0.407	21.678560	ug/L
Cu	65	77253.209	0.186	21.987987	ug/L
Zn	66	43340.648	0.109	19.580066	ug/L
Zn	68	37386.089	0.089	19.738008	ug/L
Ge	72	386142.136	386142.136		ug/L
Se	77	4539.280	0.011	18.994821	ug/L
Se	82	5867.395	0.014	17.780377	ug/L
Rh	103	265113.686	265113.686		ug/L
Ag	107	242234.808	0.914	18.978863	ug/L
Cd	111	56458.007	0.213	18.648442	ug/L
Cd	114	133386.521	0.503	18.657702	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	296587.801	0.708	21.237029	ug/L
Cr	53	36971.200	0.083	21.030565	ug/L
Co	59	298886.888	0.782	19.883202	ug/L
Cu	63	162091.847	0.411	21.679178	ug/L
Cu	65	75873.388	0.193	21.680868	ug/L
Zn	66	43048.322	0.109	19.524836	ug/L
Zn	68	37882.427	0.091	19.986280	ug/L
Ge	72	383588.104	383588.104		ug/L
Se	77	4438.228	0.011	18.247409	ug/L
Se	82	5867.410	0.014	18.120389	ug/L
Rh	103	258379.354	258379.354		ug/L
Ag	107	246388.188	0.950	19.625389	ug/L
Cd	111	57121.887	0.220	19.285402	ug/L
Cd	114	131071.791	0.505	18.940134	ug/L

Sample Information

Sample ID: 0B17045-SRD2
Autosampler Position: 46
Sample Date/Time: Wednesday, February 17, 2010 20:16:14
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\0B17045-SRD2.051
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	18672.751	0.002	0.064457	0.032	49.029	ug/L
	Cr	53	3532.784	-0.001	-0.322816	0.055	17.053	ug/L
	Co	59	76.668	-0.000	-0.000145	0.000	239.573	ug/L
	Cu	63	3281.679	0.008	0.421084	0.014	3.241	ug/L
	Cu	65	1557.828	0.004	0.419299	0.016	3.884	ug/L
	Zn	66	709.704	0.001	0.207525	0.015	7.216	ug/L
	Zn	68	2266.998	0.001	0.187440	0.026	13.621	ug/L
>	Ge	72	376886.544	376886.544				ug/L
	Se	77	235.672	0.000	0.033283	0.017	52.452	ug/L
	Se	82	230.114	-0.000	-0.142136	0.047	32.936	ug/L
>	Rh	103	253078.497	253078.497				ug/L
	Ag	107	61.668	0.000	0.003816	0.001	28.260	ug/L
	Cd	111	9.021	0.000	0.001531	0.001	75.544	ug/L
	Cd	114	19.068	0.000	0.000665	0.001	90.973	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	105.084
	Se	76.920	
	Se	81.917	
>	Rh	102.905	97.924
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	18588.848	0.001	0.037142	ug/L
Cr	53	3580.809	-0.001	-0.314488	ug/L
Co	59	73.001	-0.000	-0.000487	ug/L
Cu	63	3324.688	0.008	0.421152	ug/L
Cu	65	1518.153	0.004	0.401588	ug/L
Zn	66	742.040	0.001	0.218470	ug/L
Zn	68	2254.327	0.001	0.163633	ug/L
Ge	72	381635.885	381635.885		ug/L

	Se	77	238.008	0.000	0.030204	ug/L
	Se	82	230.174	-0.000	-0.150872	ug/L
	Rh	103	250315.304	250315.304		ug/L
	Ag	107	75.001	0.000	0.004665	ug/L
	Cd	111	5.277	0.000	0.000283	ug/L
	Cd	114	21.622	0.000	0.001077	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	16808.368	0.002	0.057139	ug/L
Cr	53	3488.784	-0.002	-0.361957	ug/L
Co	59	77.001	-0.000	-0.000189	ug/L
Cu	63	3223.858	0.008	0.467408	ug/L
Cu	65	1586.167	0.004	0.422646	ug/L
Zn	66	682.036	0.001	0.190491	ug/L
Zn	68	2340.352	0.001	0.214402	ug/L
Ge	72	361343.887	361343.887		ug/L
Se	77	235.008	0.000	0.017970	ug/L
Se	82	246.059	-0.000	-0.091533	ug/L
Rh	103	253988.351	253988.351		ug/L
Ag	107	60.001	0.000	0.003698	ug/L
Cd	111	9.620	0.000	0.001803	ug/L
Cd	114	14.440	-0.000	-0.000030	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	18645.021	0.003	0.086071	ug/L
Cr	53	3520.779	-0.001	-0.272408	ug/L
Co	59	80.001	0.000	0.000222	ug/L
Cu	63	3298.585	0.008	0.434888	ug/L
Cu	65	1587.163	0.004	0.433883	ug/L
Zn	66	705.037	0.001	0.213648	ug/L
Zn	68	2208.314	0.001	0.184288	ug/L
Ge	72	367680.670	367680.670		ug/L
Se	77	234.008	0.000	0.052078	ug/L
Se	82	212.110	-0.000	-0.183802	ug/L
Rh	103	254883.837	254883.837		ug/L
Ag	107	50.001	0.000	0.002838	ug/L
Cd	111	11.887	0.000	0.002537	ug/L
Cd	114	21.140	0.000	0.000847	ug/L

Sample Information

Sample ID: 0B17045-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, February 17, 2010 20:19:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\0B17045-CCV.052
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	535821.691	1.334	40.113608	0.401	1.000	ug/L
	Cr	53	65110.380	0.157	39.687843	0.378	0.953	ug/L
	Co	59	601604.964	1.550	40.633650	0.132	0.325	ug/L
	Cu	63	293447.321	0.756	40.220081	0.577	1.434	ug/L
	Cu	65	140359.615	0.361	40.748560	0.449	1.102	ug/L
	Zn	66	87140.848	0.224	40.233604	0.584	1.451	ug/L
	Zn	68	72402.296	0.181	40.029944	0.480	1.198	ug/L
>	Ge	72	387973.524	387973.524				ug/L
	Se	77	9056.346	0.023	38.878657	1.228	3.159	ug/L
	Se	82	12462.950	0.031	39.410531	1.168	2.964	ug/L
>	Rh	103	258617.415	258617.415				ug/L
	Ag	107	504947.214	1.952	40.341720	0.207	0.514	ug/L
	Cd	111	116756.684	0.451	39.540457	0.475	1.202	ug/L
	Cd	114	271868.787	1.051	39.404545	0.403	1.024	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	108.175
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.067
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	534088.384	1.330	40.171237	ug/L
Cr	53	65473.808	0.158	40.123552	ug/L
Co	59	600858.916	1.556	40.773781	ug/L
Cu	63	291380.642	0.754	40.121588	ug/L
Cu	65	139122.083	0.360	40.575910	ug/L
Zn	66	85584.167	0.221	39.701845	ug/L
Zn	68	71092.870	0.178	39.476272	ug/L
Ge	72	386161.402	386161.402		ug/L

: 00487

Se	77	6701.628	0.022	37.498408	ug/L
Se	82	12155.576	0.031	38.585630	ug/L
Rh	103	255388.183	255388.183		ug/L
Ag	107	485624.170	1.942	40.119084	ug/L
Cd	111	115287.039	0.451	39.536785	ug/L
Cd	114	269841.162	1.045	38.182033	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	535808.229	1.348	40.482942	ug/L
Cr	53	84173.788	0.156	39.445087	ug/L
Ce	58	594559.204	1.546	40.511307	ug/L
Cu	63	295383.158	0.767	40.839766	ug/L
Cu	65	140862.284	0.368	41.258173	ug/L
Zn	66	87730.146	0.227	40.858189	ug/L
Zn	68	72242.507	0.183	40.302027	ug/L
Ge	72	384588.076	384588.076		ug/L
Se	77	9194.181	0.023	39.844007	ug/L
Se	82	12785.853	0.032	40.746854	ug/L
Rh	103	257739.622	257739.622		ug/L
Ag	107	503848.145	1.954	40.376867	ug/L
Cd	111	117773.835	0.457	40.017687	ug/L
Cd	114	274154.132	1.064	39.870238	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	537458.458	1.320	39.688643	ug/L
Cr	53	85683.497	0.158	39.494881	ug/L
Ce	58	608388.773	1.550	40.815862	ug/L
Cu	63	293557.988	0.746	39.898880	ug/L
Cu	65	141074.497	0.358	40.411597	ug/L
Zn	66	88108.210	0.223	40.140769	ug/L
Zn	68	73871.712	0.183	40.311532	ug/L
Ge	72	393171.094	393171.094		ug/L
Se	77	9273.249	0.023	39.285557	ug/L
Se	82	12467.420	0.031	39.888809	ug/L
Rh	103	262746.442	262746.442		ug/L
Ag	107	515389.327	1.981	40.528228	ug/L
Cd	111	117208.178	0.448	39.088888	ug/L
Cd	114	274511.087	1.045	39.181384	ug/L

Sample Information

Sample ID: 0B17045-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, February 17, 2010 20:24:05
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\0B17045-CCB.053
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	15865.247	-0.005	-0.149253	0.029	19.295	ug/L
	Cr	53	3217.987	-0.002	-0.515732	0.083	16.135	ug/L
	Co	59	74.668	-0.000	-0.000245	0.001	212.511	ug/L
	Cu	63	310.009	0.000	0.001609	0.001	66.397	ug/L
	Cu	65	178.004	0.000	0.006746	0.001	20.236	ug/L
	Zn	66	273.007	0.000	0.000387	0.011	2822.981	ug/L
	Zn	68	1814.216	-0.000	-0.068965	0.048	70.312	ug/L
>	Ge	72	373784.890	373784.890				ug/L
	Se	77	210.005	-0.000	-0.075415	0.012	15.970	ug/L
	Se	82	246.372	-0.000	-0.080050	0.079	98.817	ug/L
>	Rh	103	252744.486	252744.486				ug/L
	Ag	107	53.334	0.000	0.003138	0.001	23.187	ug/L
	Cd	111	6.905	0.000	0.000803	0.002	233.394	ug/L
	Cd	114	24.559	0.000	0.001482	0.001	39.967	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	104.219
	Se	76.920	
	Se	81.917	
>	Rh	102.905	97.795
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B17045-CCB	Cr	53	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	15858.425	-0.004	-0.129878	ug/L
Cr	53	3288.874	-0.002	-0.481525	ug/L
Co	59	67.001	-0.000	-0.000739	ug/L
Cu	63	310.008	0.000	0.002014	ug/L
Cu	65	180.004	0.000	0.007858	ug/L
Zn	66	273.007	0.000	0.001538	ug/L
Zn	68	1704.191	-0.001	-0.124279	ug/L

	Ge	72	370316.851	370316.851		ug/L
	Se	77	211.008	-0.000	-0.081882	ug/L
	Se	82	253.114	-0.000	-0.050095	ug/L
	Rh	103	250870.755	250870.755		ug/L
	Ag	107	62.001	0.000	0.003888	ug/L
	Cd	111	3.838	-0.000	-0.000212	ug/L
	Cd	114	23.492	0.000	0.001352	ug/L

Repeat 2

Analyte	Mass	Mean Intensity	Net Intensity	Concentration	Report Unit
Cr	52	15684.804	-0.006	-0.182358	ug/L
Cr	53	3122.816	-0.002	-0.611541	ug/L
Co	59	75.001	-0.000	-0.000298	ug/L
Cu	63	308.008	0.000	0.000389	ug/L
Cu	65	182.004	0.000	0.007158	ug/L
Zn	66	253.008	-0.000	-0.011076	ug/L
Zn	66	1678.230	-0.000	-0.048837	ug/L
Ge	72	378298.882	378298.882		ug/L
Se	77	211.005	-0.000	-0.084864	ug/L
Se	82	223.088	-0.000	-0.188758	ug/L
Rh	103	253321.148	253321.148		ug/L
Ag	107	53.001	0.000	0.003097	ug/L
Cd	111	3.583	-0.000	-0.000346	ug/L
Cd	114	28.883	0.000	0.002128	ug/L

Repeat 3

Analyte	Mass	Mean Intensity	Net Intensity	Concentration	Report Unit
Cr	52	15662.414	-0.006	-0.135424	ug/L
Cr	53	3262.871	-0.002	-0.474139	ug/L
Co	59	82.001	0.000	0.000301	ug/L
Cu	63	314.008	0.000	0.002418	ug/L
Cu	65	172.003	0.000	0.005223	ug/L
Zn	66	283.008	0.000	0.010709	ug/L
Zn	66	1883.227	-0.000	-0.033780	ug/L
Ge	72	371739.138	371739.138		ug/L
Se	77	208.008	-0.000	-0.079410	ug/L
Se	82	262.913	-0.000	-0.020299	ug/L
Rh	103	254241.557	254241.557		ug/L
Ag	107	45.001	0.000	0.002431	ug/L
Cd	111	13.207	0.000	0.002988	ug/L
Cd	114	21.201	0.000	0.000888	ug/L

Sample Information

Sample ID: 1001400-PS1
Autosampler Position: 47
Sample Date/Time: Wednesday, February 17, 2010 20:26:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1001400-PS1.054
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	295539.449	0.697	20.952018	0.569	2.718	ug/L
	Cr	53	36338.759	0.081	20.408152	0.256	1.252	ug/L
	Co	59	304600.103	0.766	20.088161	0.057	0.284	ug/L
	Cu	63	166226.144	0.418	22.230218	0.252	1.132	ug/L
	Cu	65	80196.204	0.201	22.714827	0.112	0.491	ug/L
	Zn	66	44328.715	0.111	19.923227	0.409	2.054	ug/L
	Zn	68	38282.126	0.091	20.120826	0.382	1.899	ug/L
>	Ge	72	397280.204	397280.204				ug/L
	Se	77	4488.587	0.011	18.284116	0.293	1.604	ug/L
	Se	82	6148.849	0.015	18.520414	0.608	3.283	ug/L
>	Rh	103	259335.961	259335.961				ug/L
	Ag	107	247515.324	0.954	19.719686	0.113	0.572	ug/L
	Cd	111	56949.523	0.220	19.231648	0.163	0.848	ug/L
	Cd	114	133778.196	0.516	19.333105	0.210	1.088	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	110.770
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.346
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	298762.153	0.712	21.427350	ug/L
Cr	53	36421.783	0.082	20.701212	ug/L
Co	59	300787.408	0.766	20.042881	ug/L
Cu	63	165874.182	0.421	22.428466	ug/L
Cu	65	79184.218	0.201	22.661673	ug/L
Zn	66	43883.681	0.111	19.828748	ug/L
Zn	68	37704.481	0.091	20.018888	ug/L
Ge	72	393176.333	393176.333		ug/L

00491

Se	77	4501.280	0.011	16.540888	ug/L
Se	82	6167.888	0.015	18.842284	ug/L
Rh	103	256781.080	256781.080		ug/L
Ag	107	244822.887	0.953	19.605235	ug/L
Cd	111	56827.418	0.222	19.415944	ug/L
Cd	114	131197.375	0.511	19.151626	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	298635.138	0.702	21.107774	ug/L
Cr	53	35939.892	0.080	20.232015	ug/L
Ce	58	303281.417	0.788	20.088381	ug/L
Cu	63	166321.008	0.418	22.317772	ug/L
Cu	65	80371.816	0.203	22.843019	ug/L
Zn	66	45078.048	0.113	20.330881	ug/L
Zn	68	38813.030	0.093	20.544180	ug/L
Ge	72	395913.490	395913.490		ug/L
Se	77	4388.205	0.011	17.864528	ug/L
Se	82	6246.888	0.016	18.888741	ug/L
Rh	103	258285.803	258285.803		ug/L
Ag	107	246294.071	0.950	19.626232	ug/L
Cd	111	56782.484	0.219	19.172637	ug/L
Cd	114	133382.888	0.514	19.263979	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	291221.057	0.678	20.320831	ug/L
Cr	53	38854.803	0.090	20.291230	ug/L
Ce	58	308771.488	0.788	20.152208	ug/L
Cu	63	166383.232	0.412	21.946388	ug/L
Cu	65	81032.880	0.201	22.639588	ug/L
Zn	66	44023.418	0.109	19.512273	ug/L
Zn	68	34228.888	0.080	18.801288	ug/L
Ge	72	402750.787	402750.787		ug/L
Se	77	4585.288	0.011	18.347154	ug/L
Se	82	6010.012	0.014	17.818208	ug/L
Rh	103	261980.888	261980.888		ug/L
Ag	107	251629.008	0.960	19.646580	ug/L
Cd	111	57158.888	0.218	18.108384	ug/L
Cd	114	136744.547	0.522	19.563708	ug/L

Sample Information

Sample ID: 1002144-21
Autosampler Position: 48
Sample Date/Time: Wednesday, February 17, 2010 20:31:57
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1002144-21.055
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	88228.703	0.181	5.437056	0.105	1.939	ug/L
	Cr	53	11617.877	0.019	4.897968	0.044	0.889	ug/L
	Co	59	154.336	0.000	0.004985	0.001	12.763	ug/L
	Cu	63	7871.462	0.020	1.041272	0.013	1.213	ug/L
	Cu	65	3707.528	0.009	1.034435	0.010	1.009	ug/L
	Zn	66	6563.316	0.016	2.920095	0.009	0.298	ug/L
	Zn	68	9927.677	0.021	4.526882	0.132	2.923	ug/L
>	Ge	72	386589.766	386589.766				ug/L
	Se	77	249.673	0.000	0.068583	0.109	158.299	ug/L
	Se	82	261.193	-0.000	-0.058781	0.147	250.889	ug/L
>	Rh	103	257306.277	257306.277				ug/L
	Ag	107	92.668	0.000	0.006219	0.001	16.449	ug/L
	Cd	111	11.420	0.000	0.002303	0.002	69.886	ug/L
	Cd	114	25.448	0.000	0.001547	0.000	7.146	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	107.789
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.560
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	90487.309	0.184	5.523588	ug/L
Cr	53	11792.458	0.019	4.915443	ug/L
Co	59	156.003	0.000	0.004982	ug/L
Cu	63	7884.807	0.019	1.029418	ug/L
Cu	65	3709.880	0.009	1.036787	ug/L
Zn	66	6529.702	0.016	2.912151	ug/L
Zn	68	9882.969	0.020	4.435157	ug/L
Ge	72	391510.576	391510.576		ug/L

: 00493

	Se	77	251.008	0.000	0.080089	ug/L
	Se	82	219.947	-0.000	-0.202348	ug/L
	Rh	103	255636.342	255636.342		ug/L
	Ag	107	106.002	0.000	0.007342	ug/L
	Cd	111	11.420	0.000	0.002329	ug/L
	Cd	114	25.822	0.000	0.001626	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	85887.238	0.177	5.319888	ug/L
Cr	53	11406.916	0.019	4.848421	ug/L
Co	59	182.003	0.000	0.005832	ug/L
Cu	63	7788.888	0.020	1.038848	ug/L
Cu	65	3888.854	0.009	1.041983	ug/L
Zn	66	8508.804	0.016	2.928364	ug/L
Zn	68	10078.188	0.021	4.878588	ug/L
Ge	72	382077.426	382077.426		ug/L
Se	77	272.007	0.000	0.181148	ug/L
Se	82	304.378	0.000	0.091881	ug/L
Rh	103	258088.481	258088.481		ug/L
Ag	107	82.001	0.000	0.005340	ug/L
Cd	111	6.873	0.000	0.000881	ug/L
Cd	114	25.852	0.000	0.001884	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	86521.581	0.182	5.467938	ug/L
Cr	53	11664.280	0.020	4.830040	ug/L
Co	59	145.003	0.000	0.004360	ug/L
Cu	63	7958.879	0.020	1.054556	ug/L
Cu	65	3882.841	0.009	1.022524	ug/L
Zn	66	8563.842	0.018	2.918751	ug/L
Zn	68	9813.873	0.020	4.488803	ug/L
Ge	72	386181.282	386181.282		ug/L
Se	77	226.006	-0.000	-0.035488	ug/L
Se	82	258.256	-0.000	-0.083378	ug/L
Rh	103	258215.008	258215.008		ug/L
Ag	107	90.001	0.000	0.005978	ug/L
Cd	111	19.189	0.000	0.003800	ug/L
Cd	114	24.888	0.000	0.001430	ug/L

Sample Information

Sample ID: 1002144-22
Autosampler Position: 49
Sample Date/Time: Wednesday, February 17, 2010 20:34:45
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1002144-22.056
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	25738.286	0.019	0.576389	0.054	9.403	ug/L
	Cr	53	4304.821	0.000	0.121217	0.016	13.552	ug/L
	Co	59	477.352	0.001	0.026879	0.001	2.958	ug/L
	Cu	63	6770.817	0.017	0.889606	0.009	0.973	ug/L
	Cu	65	3270.341	0.008	0.906796	0.004	0.460	ug/L
	Zn	66	5309.078	0.013	2.336899	0.059	2.518	ug/L
	Zn	68	6354.485	0.011	2.486507	0.038	1.517	ug/L
>	Ge	72	386636.203	386636.203				ug/L
	Se	77	222.005	-0.000	-0.054410	0.065	118.755	ug/L
	Se	82	245.087	-0.000	-0.113293	0.165	145.750	ug/L
>	Rh	103	258899.892	258899.892				ug/L
	Ag	107	65.001	0.000	0.003963	0.001	16.487	ug/L
	Cd	111	28.072	0.000	0.007921	0.001	11.743	ug/L
	Cd	114	31.727	0.000	0.002439	0.001	41.971	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	107.802
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.177
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	26032.888	0.021	0.620134	ug/L
Cr	53	4288.148	0.001	0.138478	ug/L
Co	59	482.019	0.001	0.027534	ug/L
Cu	63	6721.777	0.017	0.883488	ug/L
Cu	65	3228.958	0.008	0.904478	ug/L
Zn	66	5280.725	0.013	2.349134	ug/L
Zn	68	6308.481	0.011	2.488288	ug/L
Ge	72	382639.356	382639.356		ug/L

: 00495

	Se	77	224.008	-0.009	-0.035161	ug/L
	Se	82	208.531	-0.000	-0.233780	ug/L
	Rh	103	258621.888	258621.888		ug/L
	Ag	107	73.001	0.000	0.004662	ug/L
	Cd	111	30.023	0.000	0.000883	ug/L
	Cd	114	30.089	0.000	0.002231	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	25184.249	0.017	0.515758	ug/L
Cr	53	4322.184	0.000	0.107832	ug/L
Co	59	465.018	0.001	0.027107	ug/L
Cu	63	6758.808	0.017	0.679877	ug/L
Cu	65	3290.882	0.008	0.804288	ug/L
Zn	66	5217.686	0.013	2.272903	ug/L
Zn	68	6338.471	0.011	2.444304	ug/L
Ge	72	390084.041	390084.041		ug/L
Se	77	236.008	-0.000	-0.001607	ug/L
Se	82	305.472	0.000	0.074829	ug/L
Rh	103	257253.881	257253.881		ug/L
Ag	107	57.001	0.000	0.003382	ug/L
Cd	111	28.902	0.000	0.008222	ug/L
Cd	114	39.197	0.000	0.003881	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	25887.749	0.020	0.583279	ug/L
Cr	53	4304.154	0.000	0.116548	ug/L
Co	59	465.018	0.001	0.025884	ug/L
Cu	63	6830.887	0.017	0.686458	ug/L
Cu	65	3291.883	0.008	0.811912	ug/L
Zn	66	5428.822	0.013	2.388643	ug/L
Zn	68	6417.534	0.011	2.516881	ug/L
Ge	72	387205.211	387205.211		ug/L
Se	77	208.008	-0.000	-0.126481	ug/L
Se	82	224.259	-0.000	-0.181029	ug/L
Rh	103	262823.828	262823.828		ug/L
Ag	107	85.001	0.000	0.003884	ug/L
Cd	111	25.380	0.000	0.008877	ug/L
Cd	114	25.914	0.000	0.001538	ug/L

Sample Information

Sample ID: 1002144-23
Autosampler Position: 50
Sample Date/Time: Wednesday, February 17, 2010 20:37:32
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1002144-23.057
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	18149.262	-0.000	-0.013632	0.032	232.030	ug/L
	Cr	53	3328.031	-0.002	-0.515957	0.006	1.108	ug/L
	Co	59	170.670	0.000	0.006093	0.000	5.684	ug/L
	Cu	63	1021.406	0.002	0.098114	0.005	5.454	ug/L
	Cu	65	508.021	0.001	0.101261	0.004	3.909	ug/L
	Zn	66	1671.184	0.004	0.646157	0.017	2.672	ug/L
	Zn	68	3073.264	0.003	0.614832	0.029	4.728	ug/L
>	Ge	72	386481.464	386481.464				ug/L
	Se	77	225.339	-0.000	-0.038965	0.133	341.665	ug/L
	Se	82	249.166	-0.000	-0.098760	0.016	16.108	ug/L
>	Rh	103	259842.098	259842.098				ug/L
	Ag	107	50.334	0.000	0.002775	0.001	25.330	ug/L
	Cd	111	10.002	0.000	0.001778	0.002	85.275	ug/L
	Cd	114	24.766	0.000	0.001428	0.002	157.306	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	107.759
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.541
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	17831.235	-0.001	-0.042302	ug/L
Cr	53	3336.701	-0.002	-0.518357	ug/L
Co	59	173.004	0.000	0.006219	ug/L
Cu	63	1059.078	0.002	0.102906	ug/L
Cu	65	511.021	0.001	0.101728	ug/L
Zn	66	1634.177	0.003	0.629806	ug/L
Zn	68	3040.585	0.003	0.591298	ug/L
Ge	72	387556.083	387556.083		ug/L

: 00497

	Se	77	192.004	-0.000	-0.188083	ug/L
	Se	82	244.973	-0.000	-0.114818	ug/L
	Rh	103	256582.719	256582.719		ug/L
	Ag	107	48.001	0.000	0.002726	ug/L
	Cd	111	5.138	0.000	0.000170	ug/L
	Cd	114	42.281	0.000	0.004013	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	18522.748	0.001	0.020301	ug/L
Cr	53	3325.697	-0.002	-0.510051	ug/L
Co	59	174.004	0.000	0.008359	ug/L
Cu	63	978.087	0.002	0.082341	ug/L
Cu	65	482.018	0.001	0.087080	ug/L
Zn	66	1885.189	0.004	0.858985	ug/L
Zn	68	3119.815	0.003	0.647328	ug/L
Ge	72	385162.730	385162.730		ug/L
Se	77	248.008	0.000	0.084837	ug/L
Se	82	253.334	-0.000	-0.062803	ug/L
Rh	103	260829.569	260829.569		ug/L
Ag	107	42.001	0.000	0.002101	ug/L
Cd	111	14.186	0.000	0.000183	ug/L
Cd	114	14.724	-0.000	-0.000048	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	18083.803	-0.001	-0.019888	ug/L
Cr	53	3321.895	-0.002	-0.521494	ug/L
Co	59	165.003	0.000	0.009702	ug/L
Cu	63	1029.074	0.003	0.086082	ug/L
Cu	65	521.021	0.001	0.104995	ug/L
Zn	66	1684.187	0.004	0.851880	ug/L
Zn	68	3058.582	0.003	0.805674	ug/L
Ge	72	386723.598	386723.598		ug/L
Se	77	236.008	0.000	0.007330	ug/L
Se	82	249.301	-0.000	-0.088881	ug/L
Rh	103	262113.979	262113.979		ug/L
Ag	107	60.001	0.000	0.003504	ug/L
Cd	111	10.673	0.000	0.001882	ug/L
Cd	114	17.316	0.000	0.000315	ug/L

Sample Information

Sample ID: 1002144-24
Autosampler Position: 51
Sample Date/Time: Wednesday, February 17, 2010 20:40:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1002144-24.058
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	18119.861	-0.000	-0.006584	0.007	110.803	ug/L
	Cr	53	3237.328	-0.002	-0.561232	0.015	2.638	ug/L
	Co	59	171.670	0.000	0.006253	0.002	28.099	ug/L
	Cu	63	1279.778	0.003	0.134901	0.002	1.668	ug/L
	Cu	65	658.366	0.001	0.146402	0.005	3.307	ug/L
	Zn	66	1808.548	0.004	0.715744	0.022	3.014	ug/L
	Zn	68	3119.615	0.003	0.653458	0.047	7.187	ug/L
>	Ge	72	383925.776	383925.776				ug/L
	Se	77	232.672	-0.000	-0.000254	0.046	18134.992	ug/L
	Se	82	231.768	-0.000	-0.149083	0.149	100.248	ug/L
>	Rh	103	260338.684	260338.684				ug/L
	Ag	107	70.001	0.000	0.004334	0.001	24.429	ug/L
	Cd	111	8.735	0.000	0.001356	0.001	60.508	ug/L
	Cd	114	24.181	0.000	0.001322	0.001	86.850	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	107.046
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.733
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mean Intensity	Net Intensity	Concentration	Report Unit
Cr	52	18352.370	-0.000	-0.001707	ug/L
Cr	53	3293.684	-0.002	-0.544153	ug/L
Co	59	148.003	0.000	0.004597	ug/L
Cu	63	1278.111	0.002	0.133008	ug/L
Cu	65	661.035	0.001	0.151213	ug/L
Zn	66	1821.217	0.004	0.713628	ug/L
Zn	68	3117.614	0.003	0.635337	ug/L
Ge	72	387518.181	387518.181		ug/L

: 00499

Se	77	248.008	0.000	0.048325	ug/L
Se	82	188.454	-0.000	-0.288819	ug/L
Rh	103	258648.280	258648.280		ug/L
Ag	107	77.001	0.000	0.004818	ug/L
Cd	111	11.260	0.000	0.002226	ug/L
Cd	114	31.522	0.000	0.002402	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	17802.386	-0.000	-0.003075	ug/L
Cr	53	3176.837	-0.002	-0.570433	ug/L
Co	59	198.004	0.000	0.008089	ug/L
Cu	63	1279.111	0.003	0.137389	ug/L
Cd	65	648.032	0.001	0.146482	ug/L
Zn	66	1830.219	0.004	0.736298	ug/L
Zn	68	3186.633	0.003	0.708782	ug/L
Ge	72	378378.213	378378.213		ug/L
Se	77	220.008	-0.000	-0.041988	ug/L
Se	82	274.512	0.000	0.001938	ug/L
Rh	103	280085.248	280085.248		ug/L
Ag	107	78.001	0.000	0.004873	ug/L
Cd	111	6.484	0.000	0.000593	ug/L
Cd	114	15.797	0.000	0.000116	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	18104.827	-0.000	-0.014971	ug/L
Cr	53	3241.883	-0.002	-0.569111	ug/L
Co	59	170.003	0.000	0.008089	ug/L
Cu	63	1282.111	0.003	0.134304	ug/L
Cd	65	645.031	0.001	0.141532	ug/L
Zn	66	1774.207	0.004	0.685308	ug/L
Zn	68	3074.566	0.003	0.618295	ug/L
Ge	72	385682.934	385682.934		ug/L
Se	77	232.008	-0.000	-0.008123	ug/L
Se	82	232.336	-0.000	-0.152265	ug/L
Rh	103	282001.523	282001.523		ug/L
Ag	107	55.001	0.000	0.003112	ug/L
Cd	111	8.461	0.000	0.001251	ug/L
Cd	114	25.228	0.000	0.001448	ug/L

Sample Information

Sample ID: 1002144-25
Autosampler Position: 52
Sample Date/Time: Wednesday, February 17, 2010 20:43:09
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\1002144-25.059
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	20107.771	0.004	0.113231	0.024	21.105	ug/L
	Cr	53	3525.448	-0.002	-0.424476	0.036	8.484	ug/L
	Co	59	569.025	0.001	0.032482	0.001	3.435	ug/L
	Cu	63	6277.760	0.015	0.808018	0.011	1.404	ug/L
	Cu	65	3026.913	0.007	0.821834	0.016	1.956	ug/L
	Zn	66	7334.301	0.018	3.223824	0.080	2.473	ug/L
	Zn	68	7664.936	0.014	3.164540	0.128	4.057	ug/L
>	Ge	72	392862.487	392862.487				ug/L
	Se	77	249.006	0.000	0.047502	0.057	120.306	ug/L
	Se	82	210.112	-0.000	-0.236707	0.058	24.299	ug/L
>	Rh	103	259342.301	259342.301				ug/L
	Ag	107	65.001	0.000	0.003954	0.000	5.797	ug/L
	Cd	111	30.675	0.000	0.008770	0.002	18.400	ug/L
	Cd	114	42.066	0.000	0.003920	0.001	15.544	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	109.538
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.348
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	20631.488	0.006	0.139784	ug/L
	Cr	53	3548.780	-0.002	-0.419828	ug/L
	Co	59	552.024	0.001	0.031208	ug/L
	Cu	63	6208.372	0.015	0.799313	ug/L
	Cu	65	3082.569	0.007	0.828737	ug/L
	Zn	66	7355.318	0.018	3.220669	ug/L
	Zn	68	7680.816	0.014	3.157309	ug/L
>	Ge	72	394351.867	394351.867		ug/L

: 00501

Se	77	295.007	0.000	0.112989	ug/L
Se	82	196.388	-0.000	-0.278802	ug/L
Rh	103	260697.488	260697.488		ug/L
Ag	107	62.001	0.000	0.003890	ug/L
Cd	111	36.284	0.000	0.010604	ug/L
Cd	114	38.053	0.000	0.003313	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	19748.572	0.003	0.083476	ug/L
Cr	53	3448.748	-0.002	-0.462545	ug/L
Ce	58	578.028	0.001	0.033274	ug/L
Cu	63	6284.432	0.015	0.813182	ug/L
Cu	65	3051.589	0.007	0.833303	ug/L
Zn	66	7127.118	0.018	3.145808	ug/L
Zn	68	7408.383	0.014	3.038838	ug/L
Ge	72	380888.738	380888.738		ug/L
Se	77	242.008	0.000	0.022437	ug/L
Se	82	200.846	-0.000	-0.282748	ug/L
Rh	103	257842.740	257842.740		ug/L
Ag	107	66.001	0.000	0.004063	ug/L
Cd	111	28.837	0.000	0.007586	ug/L
Cd	114	41.799	0.000	0.003918	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	20042.273	0.004	0.108423	ug/L
Cr	53	3581.808	-0.002	-0.380898	ug/L
Ce	58	577.028	0.001	0.032987	ug/L
Cu	63	6343.477	0.015	0.815880	ug/L
Cu	65	2988.568	0.007	0.803482	ug/L
Zn	66	7520.467	0.018	3.304978	ug/L
Zn	68	7808.830	0.015	3.286377	ug/L
Ge	72	383338.738	383338.738		ug/L
Se	77	240.008	0.000	0.007170	ug/L
Se	82	231.028	-0.000	-0.170774	ug/L
Rh	103	258588.884	258588.884		ug/L
Ag	107	67.001	0.000	0.004107	ug/L
Cd	111	28.823	0.000	0.008141	ug/L
Cd	114	46.345	0.000	0.004531	ug/L

Sample Information

Sample ID: 0B17045-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, February 17, 2010 20:45:57
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\0B17045-CCV.060
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	532708.235	1.327	39.902373	0.265	0.664	ug/L
	Cr	53	64215.114	0.155	39.138222	0.441	1.126	ug/L
	Co	59	592663.257	1.529	40.061194	0.056	0.139	ug/L
	Cu	63	289187.078	0.745	39.663695	0.325	0.818	ug/L
	Cu	65	139296.282	0.359	40.469834	0.366	0.904	ug/L
	Zn	66	86112.854	0.221	39.789017	0.550	1.381	ug/L
	Zn	68	71279.617	0.179	39.424446	0.377	0.956	ug/L
>	Ge	72	387670.283	387670.283				ug/L
	Se	77	9104.062	0.023	39.124117	0.685	1.751	ug/L
	Se	82	12268.484	0.031	38.808251	1.484	3.824	ug/L
>	Rh	103	260601.097	260601.097				ug/L
	Ag	107	506528.754	1.944	40.166844	0.865	2.153	ug/L
	Cd	111	117015.751	0.449	39.329494	1.080	2.745	ug/L
	Cd	114	271759.991	1.043	39.090390	1.052	2.691	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	108.090
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.835
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	533408.013	1.321	39.717829	ug/L
Cr	53	64311.848	0.154	39.808387	ug/L
Co	59	595451.679	1.537	40.016289	ug/L
Cu	63	289436.523	0.742	39.488908	ug/L
Cu	65	138658.672	0.358	40.108317	ug/L
Zn	66	85857.862	0.219	39.440419	ug/L
Zn	68	71411.381	0.178	39.298114	ug/L
Ge	72	388910.060	388910.060		ug/L

	Se	77	8884.943	0.022	39.412316	ug/L
	Se	82	12044.577	0.030	37.856772	ug/L
	Rh	103	260170.456	260170.456		ug/L
	Ag	107	498797.687	1.909	39.456525	ug/L
	Cd	111	114145.231	0.438	38.422316	ug/L
	Cd	114	283408.436	1.012	37.849471	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	533730.822	1.337	40.205820	ug/L
Cr	53	64838.347	0.157	39.640160	ug/L
Ce	58	580391.989	1.531	40.124329	ug/L
Cu	63	280348.309	0.752	40.038441	ug/L
Cu	65	128814.518	0.362	40.840174	ug/L
Zn	66	87010.798	0.225	40.422637	ug/L
Zn	68	70418.979	0.177	39.152506	ug/L
Ge	72	385875.186	385875.186		ug/L
Se	77	9203.171	0.023	39.779311	ug/L
Se	82	11988.891	0.030	38.047821	ug/L
Rh	103	257260.136	257260.136		ug/L
Ag	107	512080.586	1.990	41.129421	ug/L
Cd	111	118040.869	0.463	40.523558	ug/L
Cd	114	274881.922	1.088	40.021467	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	530868.789	1.323	39.783486	ug/L
Cr	53	63887.147	0.154	38.815119	ug/L
Ce	58	582146.123	1.529	40.040865	ug/L
Cu	63	287776.408	0.742	39.483733	ug/L
Cu	65	132218.887	0.358	40.481012	ug/L
Zn	66	85469.821	0.220	39.503996	ug/L
Zn	68	72008.482	0.181	39.854867	ug/L
Ge	72	387525.804	387525.804		ug/L
Se	77	9114.072	0.023	39.180724	ug/L
Se	82	12792.165	0.032	40.518380	ug/L
Rh	103	264372.896	264372.896		ug/L
Ag	107	510708.039	1.932	39.915588	ug/L
Cd	111	117881.354	0.448	39.042611	ug/L
Cd	114	277188.617	1.046	39.300243	ug/L

Sample Information

Sample ID: 0B17045-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, February 17, 2010 20:51:02
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B17045.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B17045\0B17045-CCB.061
Tuning File: C:\Elandata\Tuning\17FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\17FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	15938.387	-0.005	-0.141485	0.019	13.646	ug/L
	Cr	53	3120.616	-0.002	-0.578473	0.094	16.265	ug/L
	Co	59	77.001	-0.000	-0.000073	0.001	855.239	ug/L
	Cu	63	304.009	0.000	0.000823	0.002	202.539	ug/L
	Cu	65	164.670	0.000	0.002803	0.001	46.900	ug/L
	Zn	66	266.340	-0.000	-0.002702	0.003	114.083	ug/L
	Zn	68	1831.553	-0.000	-0.056772	0.024	42.600	ug/L
>	Ge	72	373189.794	373189.794				ug/L
	Se	77	201.671	-0.000	-0.112395	0.064	57.102	ug/L
	Se	82	270.932	0.000	0.003586	0.126	3504.239	ug/L
>	Rh	103	248756.470	248756.470				ug/L
	Ag	107	46.001	0.000	0.002599	0.001	36.981	ug/L
	Cd	111	8.878	0.000	0.001545	0.001	43.810	ug/L
	Cd	114	19.684	0.000	0.000805	0.001	83.560	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	104.053
	Se	76.920	
	Se	81.917	
>	Rh	102.905	96.252
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B17045-CCB	Cr	53	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	16084.889	-0.004	-0.119420	ug/L
Cr	53	3247.686	-0.002	-0.475332	ug/L
Co	59	77.001	-0.000	-0.000030	ug/L
Cu	63	315.009	0.000	0.002743	ug/L
Cu	65	163.003	0.000	0.002884	ug/L
Zn	66	280.007	-0.000	-0.004742	ug/L
Zn	68	1824.216	-0.000	-0.052516	ug/L

	Ge	72	370230.121	370230.121		ug/L
	Se	77	188.004	-0.000	-0.167988	ug/L
	Se	82	300.056	0.000	0.108228	ug/L
	Rh	103	247172.522	247172.522		ug/L
	Ag	107	38.001	0.000	0.003706	ug/L
	Cd	111	10.822	0.000	0.002288	ug/L
	Cd	114	23.408	0.000	0.001388	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	15813.338	-0.005	-0.149757	ug/L
Cr	53	3103.809	-0.002	-0.900472	ug/L
Ce	58	86.001	0.000	0.000530	ug/L
Cu	63	298.008	-0.000	-0.000245	ug/L
Cu	65	170.003	0.000	0.004188	ug/L
Zn	66	279.007	0.000	0.000844	ug/L
Zn	68	1798.213	-0.000	-0.082802	ug/L
Ge	72	374883.208	374883.208		ug/L
Se	77	218.005	-0.000	-0.043110	ug/L
Se	82	282.305	0.000	0.038898	ug/L
Rh	103	247999.288	247999.288		ug/L
Ag	107	40.000	0.000	0.002107	ug/L
Cd	111	8.424	0.000	0.001391	ug/L
Cd	114	14.754	0.000	0.000889	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	15817.186	-0.005	-0.156278	ug/L
Cr	53	3010.874	-0.003	-0.868816	ug/L
Ce	58	88.001	-0.000	-0.000720	ug/L
Cu	63	298.006	-0.000	-0.000030	ug/L
Cu	65	161.003	0.000	0.001548	ug/L
Zn	66	264.007	-0.000	-0.004208	ug/L
Zn	68	1874.229	-0.000	-0.034886	ug/L
Ge	72	374348.099	374348.099		ug/L
Se	77	189.004	-0.000	-0.127186	ug/L
Se	82	230.432	-0.000	-0.135388	ug/L
Rh	103	251107.821	251107.821		ug/L
Ag	107	38.000	0.000	0.001993	ug/L
Cd	111	7.288	0.000	0.000899	ug/L
Cd	114	20.880	0.000	0.000958	ug/L

due 3-05
Cal ID: OB23006

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence

Instrument #: 114
Date: 2-22-10
Analyst: DSI

Data File: OB22027
Calibration BLK/ICB/CCB: 1% HNO3 LOT#1109060
Internal Standard #: 0020464

All samples are run at a 5x dilution which is accounted for on the prep benchsheet

Autosampler Position:

1. BLK/ICB/CCB/9120094
2. ICV/SCV/CCV 40ug/L 0010901
3. STD2 0.2 ug/L 9120100
4. STD3 1.0 ug/L 9120099
5. STD4 10 ug/L 9120098
6. STD5 20 ug/L 9120097
7. STD6 50 ug/L 9120096
8. STD7 100 ug/L 9120095
9. STD1 0.04 ug/L 9120101
10. IFA1 0010903
11. IFB1 0010904

Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor	Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor
1/17	1000901-blk2				35/51	1002038-11			
2/18	bs2				36/52	1002038-12			
3/19	1002004-01				37/53	1001061-MS2			
4/20	MS3				38/54	1001061-MS02			
5/21	MS03				39/55	SR03			
6/22	SR01				40/56	1001061-PS2			
7/23	PS3				41/57	1002038-13			
8/24	-02				42/58	1001063-BLK2			
9/25	-03				43/59	1001063-BS2			
10/26	-04				44/60	1002038-14			
11/27	-05				45/61	1001063-MS2			
12/28	-06				46/62	1001063-MS02			
13/29	-07				47/63	SR04			
14/30	-08				48/64	1001063-PS2			
15/31	MS4				49/65	1002038-15			
16/32	MS04				50/66	1002038-16			
17/33	SR02				51/67	1002038-17			
18/34	PS4				52/68	1002038-18			
19/35	-09				53/69	1002038-19			
20/36	70				54/70	1002038-20			
21/37	71				55/71	1002038-21			
22/38	72				56/72	1002038-22			
23/39	1001061-BLK 2				57/73	1002038-23			
24/40	1001061-BS 2				58/74	1002038-24			
25/41	1002038-01				59/75	1001399-BLK2			
26/42	1002038-02				60/76	1001399-BS2			
27/43	1002038-03				61/77	1002144-01			
28/44	1002038-04				62/78	1002144-02			
29/45	1002038-05				63/79	1002144-03			
30/46	1002038-06				64/80	1002144-04			
31/47	1002038-07				65/81	1002144-05			
32/48	1002038-08				66/82	1002144-06			
33/49	1002038-09				67/83	1002144-07			
34/50	1002038-10				68/84	1002144-08			

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence

Instrument #: _____ **Data File:** _____

Date: _____ **Calibration BLK/ICB/CCB:** 1% HNO3 LOT#1109060

Analyst: _____ **Internal Standard #:** _____

All samples are run at a 5x dilution which is accounted for on the prep benchsheet

Autosampler Position:

1. BLK/ICB/CCB/9120094
2. ICV/SCV/CCV 40ug/L 0010901
3. STD2 0.2 ug/L 9120100
4. STD3 1.0 ug/L 9120099
5. STD4 10 ug/L 9120098
6. STD5 20 ug/L 9120097
7. STD6 50 ug/L 9120096
8. STD7 100 ug/L 9120095
9. STD1 0.04 ug/L 9120101
10. IFA1 0010903
11. IFB1 0010904

Analysis #/ Position #	ID	Dilution			Analysis #/ Position #	ID	Dilution		
		Initial Volume (mL)	Final Volume (mL)	Dilution Factor			Initial Volume (mL)	Final Volume (mL)	Dilution Factor
85 1/17	1002144-09				35/51				
6 2/18	1002144-10				36/52				
7 3/19	1002144-11				37/53				
8 4/20	1002144-12				38/54				
9 5/21	1002144-13 Dup-2210				39/55				
90 6/22	1002144-14 IS				40/56				
1 7/23	1002144-16				41/57				
2 8/24	1002144-17				42/58				
3 9/25	1002144-18				43/59				
4 10/26	1002144-19				44/60				
5 11/27	1001399-MS2				45/61				
6 12/28	1001399-MSD2				46/62				
7 13/29	SRD-5				47/63				
8 14/30	1001399-PS2				48/64				
9 15/31	1001400-BLK2				49/65				
100 16/32	1001400-BS2				50/66				
1 17/33	1002144-20				51/67				
2 18/34	1001400-MS2				52/68				
3 19/35	1001400-MSD2				53/69				
4 20/36	SRD-6				54/70				
5 21/37	1001400-PS2				55/71				
6 22/38	1002144-21				56/72				
7 23/39	1002144-22				57/73				
8 24/40	1002144-23				58/74				
9 25/41	1002144-24				59/75				
110 26/42	1002144-25				60/76				
27/43					61/77				
28/44					62/78				
29/45					63/79				
30/46					64/80				
31/47					65/81				
32/48					66/82				
33/49					67/83				
34/50					68/84				

Instrument Tuning Report

File Name: 22FEB2010_6020A_C.tun
File Path: C:\Elandata\Tuning

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
Li	7.016	7.078	1528	2025	0.847	
Co	58.933	58.877	14181	2005	0.852	
In	114.904	114.878	27843	2000	0.843	
Ba	137.905	137.879	33454	1990	0.876	
Ce	139.905	139.929	33943	1985	0.868	
Tl	204.975	205.027	49830	1980	0.857	

Report Date/Time: Monday, February 22, 2010 13:16:07

Daily Performance Report

Sample ID: 0010896
Sample Date/Time: Monday, February 22, 2010 13:16:28
Sample Description:
Method File: C:\elandata\Method\6020A_Daily.mth
Dataset File: C:\elandata\Dataset\daily performance\0010896.2575
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac
Dual Detector Mode: Dual

Acq. Dead Time(ns): 70
Current Dead Time (ns): 70

Number of Replicates: 6

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Li	7.0	7123.4	7123.384	124.853	1.8
	Co	58.9	81878.6	81878.649	1877.567	2.3
	In	114.9	217854.5	217854.450	2567.497	1.2
	Tl	205.0	167620.4	167620.361	2695.833	1.6
⌈>	Ba	137.9	185978.9	185978.901	2574.041	1.4
⌊	Ba++	69.0	2146.5	0.012	0.000	2.9
⌈>	Ce	139.9	239332.6	239332.650	2227.459	0.9
⌊	CeO	155.9	6377.3	0.027	0.001	3.4
	Bkgd	220.0	3.7	3.667	2.503	68.3

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	7080.508	7080.508
Co	59	82551.289	82551.289
In	115	219169.615	219169.615
Tl	205	165931.192	165931.192
Ba	138	188744.376	188744.376
Ba++	69	2166.328	0.011
Ce	140	239045.150	239045.150
CeO	156	6587.036	0.028
Bkgd	220	5.000	5.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	7284.713	7284.713
Co	59	79698.159	79698.159
In	115	216373.031	216373.031
Tl	205	167026.276	167026.276
Ba	138	188648.377	188648.377
Ba++	69	2137.320	0.011
Ce	140	241399.372	241399.372
CeO	156	6100.604	0.025
Bkgd	220	1.000	1.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	6928.359	6928.359
Co	59	82308.512	82308.512
In	115	221627.589	221627.589
Tl	205	167796.004	167796.004
Ba	138	183268.572	183268.572
Ba++	69	2237.350	0.012
Ce	140	239571.346	239571.346
CeO	156	6514.970	0.027
Bkgd	220	8.000	8.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	7225.653	7225.653
Co	59	84933.980	84933.980
In	115	218361.517	218361.517

Tl	205	164046.399	164046.399
Ba	138	187304.292	187304.292
Ba++	69	2132.318	0.011
Ce	140	242222.547	242222.547
CeO	156	6350.822	0.026
Bkgd	220	3.000	3.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	7085.513	7085.513
Co	59	81577.194	81577.194
In	115	217541.029	217541.029
Tl	205	171908.069	171908.069
Ba	138	184678.681	184678.681
Ba++	69	2087.305	0.011
Ce	140	236910.778	236910.778
CeO	156	6200.690	0.026
Bkgd	220	2.000	2.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	7135.562	7135.562
Co	59	80202.760	80202.760
In	115	214053.921	214053.921
Tl	205	169014.226	169014.226
Ba	138	183229.105	183229.105
Ba++	69	2118.314	0.012
Ce	140	236846.704	236846.704
CeO	156	6509.965	0.027
Bkgd	220	3.000	3.000

Sample/Batch Report

User Name: Administrator
Computer Name: ELAN6000_22
Sample File: C:\Elandata\Sample\0B22027.sam
Report Date/Time: Monday, February 22, 2010 13:30:49

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
17		1000901-BLK2		Sample					
18		1000901-BS2		Sample					
19		1002004-01		Sample					
20		1000901-MS3		Sample					
21		1000901-MSD3		Sample					
22		0B22027-SRD1		Sample					
23		1000901-PS3		Sample					
24		1002004-02		Sample					
25		1002004-03		Sample					
26		1002004-04		Sample					
27		1002004-05		Sample					
28		1002004-06		Sample					
29		1002004-07		Sample					
30		1002004-08		Sample					
31		1000901-MS4		Sample					
32		1000901-MSD4		Sample					
33		0B22027-SRD2		Sample					
34		1000901-PS4		Sample					
35		1002004-09		Sample					
36		1002004-10		Sample					
37		1002004-11		Sample					
38		1002004-12		Sample					

Sample Information

Sample ID: 0B22027-CAL1
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 13:31:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CAL1.001
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	362041.222					ug/L
⌊	Be	9	1.667					ug/L
⌈	V	51	2577.954					ug/L
|	Cu	63	162.003					ug/L
|	Cu	65	85.001					ug/L
|	Zn	66	122.336					ug/L
|	Zn	68	259.007					ug/L
|>	Ge	72	248920.391					ug/L
|	As	75	46.830					ug/L
|	Se	77	128.002					ug/L
⌊	Se	82	-60.127					ug/L
⌈>	Rh	103	298542.747					ug/L
|	Ag	107	15.334					ug/L
|	Cd	111	0.745					ug/L
⌊	Cd	114	8.620					ug/L
⌈>	In	115	243499.506					ug/L
|	Sb	121	64.001					ug/L
⌊	Sb	123	43.164					ug/L
⌈	Tl	203	39.334					ug/L
|	Tl	205	86.335					ug/L
|	Pb	208	542.013					ug/L
⌊>	Bi	209	331417.847					ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	367422.582			ug/L
Be	9	2.000			ug/L
V	51	2622.802			ug/L
Cu	63	170.004			ug/L
Cu	65	95.001			ug/L
Zn	66	129.002			ug/L
Zn	68	263.007			ug/L
Ge	72	251388.906			ug/L
As	75	49.179			ug/L
Se	77	143.005			ug/L
Se	82	-73.938			ug/L
Rh	103	295407.738			ug/L
Ag	107	18.000			ug/L
Cd	111	0.188			ug/L
Cd	114	6.087			ug/L
In	115	246904.306			ug/L
Sb	121	63.001			ug/L
Sb	123	43.623			ug/L
Tl	203	41.001			ug/L
Tl	205	78.001			ug/L
Pb	208	543.014			ug/L
Bi	209	336086.844			ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	380138.231			ug/L
Be	9	2.000			ug/L
V	51	2536.640			ug/L
Cu	63	168.004			ug/L
Cu	65	82.001			ug/L
Zn	66	131.003			ug/L
Zn	68	276.008			ug/L
Ge	72	248841.782			ug/L
As	75	-4.103			ug/L
Se	77	118.002			ug/L
Se	82	-37.513			ug/L
Rh	103	297839.604			ug/L
Ag	107	15.000			ug/L
Cd	111	0.228			ug/L
Cd	114	8.041			ug/L
In	115	242515.143			ug/L
Sb	121	63.001			ug/L
Sb	123	41.497			ug/L
Tl	203	42.001			ug/L
Tl	205	95.002			ug/L
Pb	208	564.014			ug/L
Bi	209	329886.875			ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	358562.854			ug/L
Be	9	1.000			ug/L
V	51	2575.120			ug/L
Cu	63	148.003			ug/L
Cu	65	87.001			ug/L
Zn	66	108.002			ug/L
Zn	68	238.006			ug/L
Ge	72	246522.387			ug/L
As	75	95.416			ug/L
Se	77	122.002			ug/L
Se	82	-68.930			ug/L
Rh	103	302580.889			ug/L
Ag	107	13.000			ug/L
Cd	111	1.639			ug/L
Cd	114	11.733			ug/L
In	115	241079.071			ug/L
Sb	121	66.001			ug/L
Sb	123	44.371			ug/L
Tl	203	35.000			ug/L
Tl	205	83.001			ug/L
Pb	208	519.013			ug/L
Bi	209	331510.723			ug/L

: 00514

Sample Information

Sample ID: 0B22027-CAL2
Autosampler Position: 9
Sample Date/Time: Monday, February 22, 2010 13:35:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CAL2.002
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	351437.807	351437.807				ug/L
⌊	Be	9	11.000	0.000				ug/L
⌈	V	51	2850.665	0.001				ug/L
|	Cu	63	466.687	0.001				ug/L
|	Cu	65	242.673	0.001				ug/L
|	Zn	66	540.026	0.002				ug/L
|	Zn	68	538.692	0.001				ug/L
|>	Ge	72	249215.107	249215.107				ug/L
|	As	75	36.748	-0.000				ug/L
|	Se	77	118.335	-0.000				ug/L
⌊	Se	82	-45.352	0.000				ug/L
⌈>	Rh	103	300032.122	300032.122				ug/L
|	Ag	107	289.675	0.001	0.040000	0.003	7.885	ug/L
|	Cd	111	68.998	0.000	0.040000	0.005	12.358	ug/L
⌊	Cd	114	157.837	0.000	0.040000	0.003	6.378	ug/L
⌈>	In	115	241665.695	241665.695				ug/L
|	Sb	121	302.009	0.001				ug/L
⌊	Sb	123	242.254	0.001				ug/L
⌈	Tl	203	331.678	0.001	0.040000	0.003	7.051	ug/L
|	Tl	205	771.383	0.002	0.040000	0.001	1.945	ug/L
|	Pb	208	2106.142	0.005				ug/L
⌊>	Bi	209	334153.059	334153.059				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	351816.422	351816.422		ug/L
Be	9	7.000	0.000		ug/L
V	51	2771.680	0.001		ug/L
Cu	63	477.021	0.001		ug/L
Cu	65	246.007	0.001		ug/L
Zn	66	530.029	0.002		ug/L
Zn	68	535.029	0.001		ug/L
Ge	72	253436.176	253436.176		ug/L
As	75	60.772	0.000		ug/L
Se	77	111.002	-0.000		ug/L
Se	82	40.812	0.000		ug/L
Rh	103	298136.710	298136.710		ug/L
Ag	107	264.008	0.001	0.038512	ug/L
Cd	111	58.934	0.000	0.034337	ug/L
Cd	114	149.313	0.000	0.037874	ug/L
In	115	236340.320	236340.320		ug/L
Sb	121	303.009	0.001		ug/L
Sb	123	260.376	0.001		ug/L
Tl	203	330.011	0.001	0.039886	ug/L
Tl	205	775.080	0.003	0.040321	ug/L
Pb	208	2068.138	0.008		ug/L
Bi	209	333410.156	333410.156		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	350529.393	350529.393		ug/L
Be	9	13.000	0.000		ug/L
V	51	2836.716	0.001		ug/L
Cu	63	453.019	0.001		ug/L
Cu	65	238.006	0.001		ug/L
Zn	66	544.026	0.002		ug/L
Zn	68	539.026	0.001		ug/L
Ge	72	248016.823	248016.823		ug/L
As	75	6.388	-0.000		ug/L
Se	77	122.002	-0.000		ug/L
Se	82	-28.560	0.000		ug/L
Rh	103	300716.674	300716.674		ug/L
Ag	107	298.009	0.001	0.040837	ug/L
Cd	111	73.907	0.000	0.042213	ug/L
Cd	114	168.886	0.001	0.042866	ug/L
In	115	245753.001	245753.001		ug/L
Sb	121	279.008	0.001		ug/L
Sb	123	218.903	0.001		ug/L
Tl	203	357.012	0.001	0.042871	ug/L
Tl	205	791.062	0.002	0.040668	ug/L
Pb	208	2161.151	0.008		ug/L
Bi	209	338462.706	338462.706		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	351987.805	351987.805		ug/L
Be	9	13.000	0.000		ug/L
V	51	2944.809	0.002		ug/L
Cu	63	470.020	0.001		ug/L
Cu	65	244.007	0.001		ug/L
Zn	66	548.026	0.002		ug/L
Zn	68	542.026	0.001		ug/L
Ge	72	246193.321	246193.321		ug/L
As	75	58.881	0.000		ug/L
Se	77	122.002	-0.000		ug/L
Se	82	46.686	0.000		ug/L
Rh	103	301243.083	301243.083		ug/L
Ag	107	309.010	0.001	0.042661	ug/L
Cd	111	75.153	0.000	0.043460	ug/L
Cd	114	156.313	0.000	0.039161	ug/L
In	115	239903.783	239903.783		ug/L
Sb	121	324.011	0.001		ug/L
Sb	123	247.881	0.001		ug/L
Tl	203	308.010	0.001	0.037234	ug/L
Tl	205	748.047	0.002	0.039113	ug/L
Pb	208	2079.140	0.008		ug/L
Bi	209	330588.315	330588.315		ug/L

Sample Information

Sample ID: 0B22027-CAL3
Autosampler Position: 3
Sample Date/Time: Monday, February 22, 2010 13:39:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CAL3.003
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	349470.450	349470.450				ug/L
⌊	Be	9	38.667	0.000	0.200000	0.023	11.516	ug/L
⌈	V	51	4044.259	0.006	0.200000	0.015	7.376	ug/L
|	Cu	63	959.074	0.003	0.200000	0.010	5.232	ug/L
|	Cu	65	474.021	0.002	0.200000	0.016	7.856	ug/L
|	Zn	66	336.345	0.001	0.200000	0.022	10.933	ug/L
|	Zn	68	405.349	0.001	0.200000	0.013	6.313	ug/L
\>	Ge	72	247293.073	247293.073				ug/L
|	As	75	334.437	0.001	0.200000	0.041	20.685	ug/L
|	Se	77	131.336	0.000	0.200000	0.293	146.643	ug/L
⌊	Se	82	-19.719	0.000	0.200000	0.088	44.151	ug/L
⌈>	Rh	103	296443.738	296443.738				ug/L
|	Ag	107	1462.498	0.005	0.200494	0.003	1.288	ug/L
|	Cd	111	342.377	0.001	0.200104	0.006	3.236	ug/L
⌊	Cd	114	831.193	0.003	0.200806	0.008	3.843	ug/L
⌈>	In	115	238406.996	238406.996				ug/L
|	Sb	121	1204.114	0.005	0.200000	0.007	3.505	ug/L
⌊	Sb	123	913.480	0.004	0.200000	0.004	2.098	ug/L
⌈	Tl	203	1432.158	0.004	0.199730	0.004	2.119	ug/L
|	Tl	205	3470.544	0.010	0.200010	0.003	1.322	ug/L
|	Pb	208	5207.124	0.014	0.200000	0.003	1.711	ug/L
⌊>	Bi	209	330161.315	330161.315				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
\>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	353086.277	353086.277		ug/L
Be	9	36.000	0.000	0.183446	ug/L
V	51	4016.787	0.008	0.188842	ug/L
Cu	63	976.078	0.002	0.201240	ug/L
Cu	65	479.031	0.002	0.199882	ug/L
Zn	66	346.012	0.001	0.208184	ug/L
Zn	68	402.016	0.001	0.188808	ug/L
Ge	72	250397.419	250397.419		ug/L
As	75	387.470	0.001	0.215819	ug/L
Se	77	138.003	0.000	0.488218	ug/L
Se	82	-6.089	0.000	0.265878	ug/L
Rh	103	298689.481	298689.481		ug/L
Ag	107	1467.163	0.006	0.199908	ug/L
Cd	111	348.718	0.001	0.203871	ug/L
Cd	114	902.066	0.003	0.193344	ug/L
In	115	237654.788	237654.788		ug/L
Sb	121	1230.118	0.005	0.206229	ug/L
Sb	123	914.312	0.004	0.200868	ug/L
Tl	203	1473.167	0.004	0.204469	ug/L
Tl	205	3439.863	0.010	0.197088	ug/L
Pb	208	5224.787	0.014	0.199809	ug/L
Bi	209	331987.106	331987.106		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	350487.408	350487.408		ug/L
Be	9	37.000	0.000	0.190251	ug/L
V	51	4164.731	0.007	0.216880	ug/L
Cu	63	914.088	0.003	0.188971	ug/L
Cu	65	444.018	0.001	0.184816	ug/L
Zn	66	358.012	0.001	0.218823	ug/L
Zn	68	415.016	0.001	0.213887	ug/L
Ge	72	246997.388	246997.388		ug/L
As	75	266.889	0.001	0.152449	ug/L
Se	77	125.003	-0.000	-0.097191	ug/L
Se	82	-39.784	0.000	0.099886	ug/L
Rh	103	296477.538	296477.538		ug/L
Ag	107	1443.180	0.006	0.196473	ug/L
Cd	111	328.523	0.001	0.192630	ug/L
Cd	114	861.624	0.003	0.208810	ug/L
In	115	236461.287	236461.287		ug/L
Sb	121	1220.118	0.005	0.202742	ug/L
Sb	123	893.813	0.004	0.196441	ug/L
Tl	203	1434.158	0.004	0.198381	ug/L
Tl	205	3511.886	0.010	0.200780	ug/L
Pb	208	5175.781	0.014	0.196856	ug/L
Bi	209	332824.777	332824.777		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344828.857	344828.857		ug/L
Be	9	43.001	0.000	0.226303	ug/L
V	51	3961.258	0.008	0.183468	ug/L
Cu	63	987.078	0.003	0.209780	ug/L
Cu	65	500.023	0.002	0.216192	ug/L
Zn	66	307.010	0.001	0.179016	ug/L
Zn	68	399.015	0.001	0.197506	ug/L
Ge	72	244524.422	244524.422		ug/L
As	75	370.172	0.001	0.227732	ug/L
Se	77	130.003	0.000	0.207873	ug/L
Se	82	-12.724	0.000	0.234487	ug/L
Rh	103	297184.218	297184.218		ug/L
Ag	107	1487.170	0.006	0.203403	ug/L
Cd	111	349.897	0.001	0.204010	ug/L
Cd	114	829.656	0.003	0.199984	ug/L
In	115	239104.903	239104.903		ug/L
Sb	121	1162.106	0.005	0.192033	ug/L
Sb	123	932.315	0.004	0.203701	ug/L
Tl	203	1389.149	0.004	0.196329	ug/L
Tl	205	3458.872	0.010	0.202184	ug/L
Pb	208	5220.804	0.014	0.203844	ug/L
Bi	209	325872.084	325872.084		ug/L

Sample ID: 0B22027-CAL3
Report Date/Time: Monday, February 22, 2010 13:41:40

Sample Information

Sample ID: 0B22027-CAL4
Autosampler Position: 4
Sample Date/Time: Monday, February 22, 2010 13:43:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CAL4.004
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	348373.001	348373.001				ug/L
⌊	Be	9	212.005	0.001	1.004698	0.059	5.853	ug/L
⌈	V	51	9967.337	0.030	0.999912	0.027	2.715	ug/L
|	Cu	63	4214.285	0.016	1.000565	0.014	1.429	ug/L
|	Cu	65	1969.625	0.008	0.998687	0.021	2.069	ug/L
|	Zn	66	1176.109	0.004	0.999280	0.032	3.161	ug/L
|	Zn	68	1024.750	0.003	1.001332	0.028	2.793	ug/L
|>	Ge	72	247459.486	247459.486				ug/L
|	As	75	1260.942	0.005	0.992887	0.009	0.913	ug/L
|	Se	77	218.672	0.000	1.030648	0.160	15.505	ug/L
⌊	Se	82	58.933	0.000	0.974409	0.278	28.573	ug/L
⌈>	Rh	103	297613.018	297613.018				ug/L
|	Ag	107	7449.959	0.025	1.001007	0.017	1.701	ug/L
|	Cd	111	1742.666	0.006	1.000645	0.024	2.360	ug/L
⌊	Cd	114	4168.869	0.014	1.000455	0.023	2.289	ug/L
⌈>	In	115	241161.529	241161.529				ug/L
|	Sb	121	5781.730	0.024	0.999630	0.018	1.754	ug/L
⌊	Sb	123	4406.900	0.018	0.999629	0.018	1.822	ug/L
⌈	Tl	203	7224.391	0.022	1.000882	0.010	1.018	ug/L
|	Tl	205	17269.023	0.052	1.000305	0.004	0.412	ug/L
|	Pb	208	23930.199	0.070	0.999787	0.007	0.699	ug/L
⌊>	Bi	209	332663.170	332663.170				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	

: 00519

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	345041.580	345041.580		ug/L
Be	9	224.006	0.001	1.071986	ug/L
V	51	10106.331	0.030	1.007077	ug/L
Cu	63	4238.299	0.018	0.997878	ug/L
Cu	65	1943.284	0.007	0.975983	ug/L
Zn	66	1179.109	0.004	0.982794	ug/L
Zn	68	1014.082	0.003	0.976172	ug/L
Ge	72	249561.940	249561.940		ug/L
As	75	1282.197	0.005	1.001500	ug/L
Se	77	233.006	0.000	1.170633	ug/L
Se	82	37.153	0.000	0.782038	ug/L
Rh	103	298081.585	298081.585		ug/L
Ag	107	7278.780	0.026	0.983186	ug/L
Cd	111	1732.503	0.008	0.986988	ug/L
Cd	114	4094.887	0.014	0.987832	ug/L
In	115	242308.770	242308.770		ug/L
Sb	121	5893.328	0.023	0.979429	ug/L
Sb	123	4344.861	0.018	0.980888	ug/L
Tl	203	7298.787	0.022	1.010314	ug/L
Tl	205	17274.036	0.052	1.000087	ug/L
Pb	208	23844.782	0.070	0.986816	ug/L
Bi	209	332832.107	332832.107		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	350840.881	350840.881		ug/L
Be	9	208.006	0.001	0.979888	ug/L
V	51	9735.977	0.029	0.969803	ug/L
Cu	63	4158.252	0.018	0.987933	ug/L
Cu	65	1977.293	0.008	1.003866	ug/L
Zn	66	1211.115	0.004	1.003807	ug/L
Zn	68	1020.083	0.003	0.998387	ug/L
Ge	72	247219.890	247219.890		ug/L
As	75	1248.131	0.005	0.983427	ug/L
Se	77	203.006	0.000	0.846542	ug/L
Se	82	42.200	0.000	0.838302	ug/L
Rh	103	297088.388	297088.388		ug/L
Ag	107	7448.867	0.026	1.002708	ug/L
Cd	111	1781.318	0.008	1.024883	ug/L
Cd	114	4271.381	0.014	1.026881	ug/L
In	115	241742.310	241742.310		ug/L
Sb	121	5880.462	0.024	1.010887	ug/L
Sb	123	4483.703	0.018	1.017019	ug/L
Tl	203	7146.646	0.021	0.990077	ug/L
Tl	205	17341.198	0.052	1.004532	ug/L
Pb	208	23838.627	0.070	0.986886	ug/L
Bi	209	332666.140	332666.140		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	349438.751	349438.751		ug/L
Be	9	204.006	0.001	0.963230	ug/L
V	51	10060.904	0.031	1.022788	ug/L
Cu	63	4245.304	0.017	1.016086	ug/L
Cu	65	1988.297	0.008	1.016414	ug/L
Zn	66	1138.102	0.004	0.971438	ug/L
Zn	68	1040.088	0.003	1.031438	ug/L
Ge	72	245808.828	245808.828		ug/L
As	75	1252.497	0.005	0.963733	ug/L
Se	77	220.006	0.000	1.084788	ug/L
Se	82	97.446	0.001	1.294886	ug/L
Rh	103	299888.070	299888.070		ug/L
Ag	107	7822.141	0.028	1.017119	ug/L
Cd	111	1714.177	0.008	0.977383	ug/L
Cd	114	4140.338	0.014	0.988641	ug/L
In	115	239436.508	239436.508		ug/L
Sb	121	5791.406	0.024	1.008578	ug/L
Sb	123	4382.136	0.018	1.001172	ug/L
Tl	203	7230.730	0.022	1.002254	ug/L
Tl	205	17191.838	0.051	0.998299	ug/L
Pb	208	24107.190	0.071	1.007850	ug/L
Bi	209	332502.262	332502.262		ug/L

Sample Information

Sample ID: 0B22027-CAL5
Autosampler Position: 5
Sample Date/Time: Monday, February 22, 2010 13:47:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CAL5.005
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	346664.691	346664.691				ug/L
⌊	Be	9	2217.033	0.006	10.006107	0.330	3.300	ug/L
⌈	V	51	80637.265	0.316	10.005356	0.203	2.026	ug/L
|	Cu	63	42320.119	0.170	10.004071	0.203	2.034	ug/L
|	Cu	65	20231.817	0.081	10.006539	0.187	1.872	ug/L
|	Zn	66	11260.315	0.045	10.005475	0.170	1.694	ug/L
|	Zn	68	8215.137	0.032	10.003856	0.116	1.161	ug/L
|>	Ge	72	247351.868	247351.868				ug/L
|	As	75	13406.477	0.054	10.008765	0.282	2.820	ug/L
|	Se	77	1107.764	0.004	10.009919	0.321	3.211	ug/L
⌊	Se	82	1344.151	0.006	10.013558	0.266	2.657	ug/L
⌈>	Rh	103	293659.554	293659.554				ug/L
|	Ag	107	77541.412	0.264	10.005653	0.143	1.426	ug/L
|	Cd	111	18427.976	0.063	10.006996	0.212	2.121	ug/L
⌊	Cd	114	43266.420	0.147	10.005308	0.238	2.380	ug/L
⌈>	In	115	240769.797	240769.797				ug/L
|	Sb	121	59771.980	0.248	10.004485	0.155	1.553	ug/L
⌊	Sb	123	45751.586	0.190	10.004797	0.275	2.745	ug/L
⌈	Tl	203	76290.053	0.231	10.006760	0.157	1.566	ug/L
|	Tl	205	179156.805	0.542	10.004937	0.115	1.152	ug/L
|	Pb	208	244793.826	0.740	10.005090	0.082	0.818	ug/L
⌊>	Bi	209	330210.985	330210.985				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	

00521

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344297.988	344297.988		ug/L
Be	9	2242.374	0.007	10.187802	ug/L
V	51	79873.144	0.308	9.808813	ug/L
Cu	63	42911.566	0.170	9.952938	ug/L
Cu	65	20077.378	0.080	9.833846	ug/L
Zn	66	11158.823	0.044	9.818781	ug/L
Zn	68	8200.787	0.032	9.868892	ug/L
Ge	72	248734.147	248734.147		ug/L
As	75	13098.443	0.052	9.682988	ug/L
Se	77	1082.083	0.004	9.640783	ug/L
Se	82	1338.486	0.005	9.860322	ug/L
Rh	103	264842.070	264842.070		ug/L
Ag	107	78724.629	0.295	9.656748	ug/L
Cd	111	18745.484	0.082	9.810536	ug/L
Cd	114	42579.189	0.164	9.803386	ug/L
In	115	243563.056	243563.056		ug/L
Sb	121	59380.475	0.244	9.825408	ug/L
Sb	123	44834.088	0.184	9.889899	ug/L
Tl	203	77435.242	0.238	10.186171	ug/L
Tl	205	179871.880	0.548	10.079227	ug/L
Pb	208	243828.380	0.738	9.998387	ug/L
Bi	209	329256.986	329256.986		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	350823.038	350823.038		ug/L
Be	9	2158.348	0.006	9.824878	ug/L
V	51	81928.748	0.322	10.213854	ug/L
Cu	63	41418.154	0.167	9.631058	ug/L
Cu	65	20098.432	0.081	9.980166	ug/L
Zn	66	11374.182	0.046	10.149681	ug/L
Zn	68	8162.786	0.032	10.005688	ug/L
Ge	72	246321.636	246321.636		ug/L
As	75	13562.758	0.055	10.168745	ug/L
Se	77	1118.088	0.004	10.161341	ug/L
Se	82	1381.543	0.005	10.320826	ug/L
Rh	103	263826.464	263826.464		ug/L
Ag	107	77692.011	0.294	10.018808	ug/L
Cd	111	18853.747	0.084	10.232195	ug/L
Cd	114	44437.502	0.151	10.257874	ug/L
In	115	238822.038	238822.038		ug/L
Sb	121	59909.780	0.250	10.104148	ug/L
Sb	123	45983.497	0.192	10.131584	ug/L
Tl	203	75888.762	0.235	9.898879	ug/L
Tl	205	177801.488	0.535	9.972171	ug/L
Pb	208	244281.043	0.734	9.926784	ug/L
Bi	209	332108.421	332108.421		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344773.077	344773.077		ug/L
Be	9	2249.377	0.007	10.206644	ug/L
V	51	80109.908	0.315	9.993302	ug/L
Cu	63	43029.948	0.174	10.228317	ug/L
Cu	65	20521.842	0.083	10.206807	ug/L
Zn	66	11246.980	0.046	10.046123	ug/L
Zn	68	8261.858	0.033	10.119079	ug/L
Ge	72	245999.821	245999.821		ug/L
As	75	13568.229	0.056	10.178880	ug/L
Se	77	1123.100	0.004	10.227853	ug/L
Se	82	1315.414	0.005	9.858625	ug/L
Rh	103	262210.128	262210.128		ug/L
Ag	107	76207.667	0.288	10.141256	ug/L
Cd	111	18284.717	0.080	9.978288	ug/L
Cd	114	42782.588	0.146	9.944680	ug/L
In	115	239824.298	239824.298		ug/L
Sb	121	60015.675	0.250	10.083802	ug/L
Sb	123	46437.172	0.193	10.193107	ug/L
Tl	203	75546.158	0.229	9.937138	ug/L
Tl	205	179687.008	0.548	10.083414	ug/L
Pb	208	246172.066	0.748	10.080118	ug/L
Bi	209	329270.571	329270.571		ug/L

: 00522

Sample Information

Sample ID: 0B22027-CAL6
Autosampler Position: 6
Sample Date/Time: Monday, February 22, 2010 13:51:51
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CAL6.006
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	343208.165	343208.165				ug/L
⌊	Be	9	4345.032	0.013	19.961791	0.446	2.232	ug/L
⌈	V	51	152434.919	0.614	19.889119	0.040	0.203	ug/L
|	Cu	63	79172.175	0.324	19.789113	0.230	1.163	ug/L
|	Cu	65	38295.771	0.157	19.839370	0.237	1.197	ug/L
|	Zn	66	20812.487	0.085	19.752559	0.124	0.627	ug/L
|	Zn	68	15124.149	0.061	19.776679	0.389	1.967	ug/L
|>	Ge	72	244133.425	244133.425				ug/L
|	As	75	26087.763	0.107	19.951873	0.316	1.584	ug/L
|	Se	77	2120.669	0.008	20.124148	0.591	2.939	ug/L
⌊	Se	82	2713.558	0.011	20.007409	0.770	3.848	ug/L
⌈>	Rh	103	288089.445	288089.445				ug/L
|	Ag	107	149117.595	0.518	19.921169	0.143	0.720	ug/L
|	Cd	111	35132.099	0.122	19.886135	0.327	1.643	ug/L
⌊	Cd	114	81052.658	0.281	19.813318	0.058	0.292	ug/L
⌈>	In	115	237199.348	237199.348				ug/L
|	Sb	121	118731.917	0.500	20.036372	0.279	1.390	ug/L
⌊	Sb	123	90525.528	0.381	20.020307	0.424	2.119	ug/L
⌈	Tl	203	146431.315	0.450	19.900639	0.175	0.881	ug/L
|	Tl	205	348794.298	1.073	19.957924	0.266	1.333	ug/L
|	Pb	208	470103.279	1.445	19.905646	0.210	1.055	ug/L
⌊>	Bi	209	325046.053	325046.053				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	

: 00523

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348162.778	348162.778		ug/L
Be	9	4264.318	0.012	19.478801	ug/L
V	51	151837.725	0.813	19.842748	ug/L
Cu	63	80104.463	0.328	20.041777	ug/L
Cu	65	38322.912	0.157	19.872136	ug/L
Zn	66	20758.321	0.086	19.718534	ug/L
Zn	68	15413.767	0.062	20.181107	ug/L
Ge	72	243886.485	243886.485		ug/L
As	75	25881.177	0.105	19.580817	ug/L
Se	77	2061.315	0.008	19.445178	ug/L
Se	82	2668.847	0.011	19.701806	ug/L
Rh	103	288430.009	288430.009		ug/L
Ag	107	148532.970	0.515	19.832484	ug/L
Cd	111	34798.247	0.121	19.671884	ug/L
Cd	114	81402.101	0.282	19.875208	ug/L
In	115	238497.394	238497.394		ug/L
Sb	121	117484.488	0.492	19.716898	ug/L
Sb	123	89421.394	0.376	19.688836	ug/L
Tl	203	146401.588	0.446	19.722497	ug/L
Tl	205	352121.941	1.074	19.971064	ug/L
Pb	208	466808.560	1.427	19.863888	ug/L
Bi	209	327909.020	327909.020		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	341274.913	341274.913		ug/L
Be	9	4408.403	0.013	20.358874	ug/L
V	51	152098.078	0.816	19.919618	ug/L
Cu	63	78872.667	0.323	19.734330	ug/L
Cu	65	38561.300	0.158	20.058761	ug/L
Zn	66	20629.964	0.084	19.648258	ug/L
Zn	68	15048.880	0.061	19.743800	ug/L
Ge	72	243281.362	243281.362		ug/L
As	75	26286.886	0.106	20.176682	ug/L
Se	77	2140.342	0.008	20.400479	ug/L
Se	82	2825.040	0.012	20.863087	ug/L
Rh	103	289479.210	289479.210		ug/L
Ag	107	149262.910	0.516	19.944353	ug/L
Cd	111	35018.845	0.121	19.724534	ug/L
Cd	114	81227.882	0.281	19.780772	ug/L
In	115	237183.732	237183.732		ug/L
Sb	121	119867.587	0.506	20.229830	ug/L
Sb	123	89987.946	0.379	19.933404	ug/L
Tl	203	148238.882	0.454	20.073017	ug/L
Tl	205	345303.820	1.058	19.685480	ug/L
Pb	208	475045.080	1.456	20.041486	ug/L
Bi	209	326223.392	326223.392		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343198.809	343198.809		ug/L
Be	9	4364.377	0.013	20.049899	ug/L
V	51	153270.952	0.818	19.908094	ug/L
Cu	63	78736.397	0.320	19.581232	ug/L
Cu	65	37983.101	0.155	19.587214	ug/L
Zn	66	21061.185	0.085	19.889888	ug/L
Zn	68	14912.700	0.060	19.406131	ug/L
Ge	72	245242.426	245242.426		ug/L
As	75	26385.256	0.107	20.068436	ug/L
Se	77	2170.351	0.008	20.526787	ug/L
Se	82	2846.786	0.011	19.437436	ug/L
Rh	103	286358.115	286358.115		ug/L
Ag	107	149456.806	0.522	20.086888	ug/L
Cd	111	35583.404	0.124	20.282187	ug/L
Cd	114	80828.013	0.281	19.803973	ug/L
In	115	235916.818	235916.818		ug/L
Sb	121	118843.688	0.503	20.183498	ug/L
Sb	123	92157.248	0.390	20.490866	ug/L
Tl	203	144658.514	0.451	19.808403	ug/L
Tl	205	348957.132	1.067	20.217238	ug/L
Pb	208	468756.166	1.452	20.011808	ug/L
Bi	209	321008.748	321008.748		ug/L

Sample Information

Sample ID: 0B22027-CAL7
Autosampler Position: 7
Sample Date/Time: Monday, February 22, 2010 13:55:49
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CAL7.007
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	342747.716	342747.716				ug/L
⌊	Be	9	10671.408	0.031	49.848503	1.429	2.866	ug/L
⌈	V	51	374840.964	1.554	50.054652	0.223	0.445	ug/L
|	Cu	63	195089.974	0.813	49.956112	0.436	0.873	ug/L
|	Cu	65	93625.911	0.390	49.911800	0.329	0.659	ug/L
|	Zn	66	50540.348	0.210	49.836442	0.126	0.252	ug/L
|	Zn	68	36956.061	0.153	49.955315	0.351	0.702	ug/L
|>	Ge	72	239638.721	239638.721				ug/L
|	As	75	63802.288	0.266	49.961423	1.272	2.545	ug/L
|	Se	77	4964.442	0.020	49.959194	1.576	3.154	ug/L
⌊	Se	82	6559.279	0.028	49.769144	1.298	2.608	ug/L
⌈>	Rh	103	291202.902	291202.902				ug/L
|	Ag	107	366913.209	1.260	49.742577	0.517	1.040	ug/L
|	Cd	111	85156.800	0.292	49.597975	0.226	0.456	ug/L
⌊	Cd	114	200980.448	0.690	49.762795	0.762	1.532	ug/L
⌈>	In	115	235453.337	235453.337				ug/L
|	Sb	121	292417.965	1.242	49.955026	1.022	2.047	ug/L
⌊	Sb	123	222675.524	0.946	49.937637	1.213	2.429	ug/L
⌈	Tl	203	356666.574	1.106	49.809974	0.569	1.143	ug/L
|	Tl	205	863647.928	2.679	49.972463	0.416	0.832	ug/L
|	Pb	208	1163261.777	3.607	49.949654	0.371	0.743	ug/L
⌊>	Bi	209	322354.290	322354.290				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348792.841	348792.841		ug/L
Be	9	10412.688	0.030	49.204047	ug/L
V	51	378297.300	1.581	50.299864	ug/L
Cu	63	196463.879	0.815	50.080003	ug/L
Cu	65	93382.514	0.388	49.585294	ug/L
Zn	66	50818.233	0.210	49.661453	ug/L
Zn	68	36825.048	0.152	49.562810	ug/L
Ge	72	240710.052	240710.052		ug/L
As	75	62687.000	0.260	49.882838	ug/L
Se	77	4878.714	0.020	49.842718	ug/L
Se	82	6419.381	0.027	49.498229	ug/L
Rh	103	293905.624	293905.624		ug/L
Ag	107	368148.587	1.248	49.180489	ug/L
Cd	111	88130.568	0.293	49.703533	ug/L
Cd	114	200027.153	0.681	49.086386	ug/L
In	115	237323.988	237323.988		ug/L
Sb	121	256206.353	1.214	49.841923	ug/L
Sb	123	218930.251	0.922	49.703226	ug/L
Tl	203	357481.150	1.104	49.702756	ug/L
Tl	205	864447.323	2.670	49.798111	ug/L
Pb	208	1160461.674	3.583	49.610080	ug/L
Bi	209	323787.320	323787.320		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342846.298	342846.298		ug/L
Be	9	10821.299	0.032	50.566014	ug/L
V	51	378232.908	1.563	50.026870	ug/L
Cu	63	194033.018	0.808	49.471316	ug/L
Cu	65	94606.343	0.393	50.219134	ug/L
Zn	66	50836.784	0.211	49.613520	ug/L
Zn	68	37236.176	0.154	50.119028	ug/L
Ge	72	240866.824	240866.824		ug/L
As	75	63706.494	0.266	49.867048	ug/L
Se	77	4918.743	0.020	49.273283	ug/L
Se	82	6581.702	0.028	49.720546	ug/L
Rh	103	291482.269	291482.269		ug/L
Ag	107	370850.118	1.272	50.199078	ug/L
Cd	111	84792.314	0.281	49.338071	ug/L
Cd	114	200716.263	0.669	49.044793	ug/L
In	115	236086.906	236086.906		ug/L
Sb	121	294504.567	1.247	50.170788	ug/L
Sb	123	223502.585	0.947	49.881389	ug/L
Tl	203	350896.486	1.096	49.301838	ug/L
Tl	205	866862.429	2.704	50.446811	ug/L
Pb	208	1165780.036	3.636	50.345509	ug/L
Bi	209	320604.982	320604.982		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339804.212	339804.212		ug/L
Be	9	10780.237	0.032	50.785446	ug/L
V	51	370022.624	1.547	49.647433	ug/L
Cu	63	194783.027	0.819	50.317016	ug/L
Cu	65	92878.676	0.391	49.950872	ug/L
Zn	66	50186.048	0.211	49.804372	ug/L
Zn	68	36808.956	0.154	50.194008	ug/L
Ge	72	237539.488	237539.488		ug/L
As	75	65013.371	0.274	51.354383	ug/L
Se	77	5094.887	0.021	51.761580	ug/L
Se	82	6676.773	0.028	51.080858	ug/L
Rh	103	288220.812	288220.812		ug/L
Ag	107	363940.822	1.263	49.846164	ug/L
Cd	111	84547.518	0.293	49.752323	ug/L
Cd	114	202197.898	0.702	50.577209	ug/L
In	115	232960.120	232960.120		ug/L
Sb	121	294539.974	1.264	50.852389	ug/L
Sb	123	225583.708	0.968	51.128319	ug/L
Tl	203	361563.102	1.120	50.425326	ug/L
Tl	205	859834.031	2.663	49.871887	ug/L
Pb	208	1163863.722	3.603	49.883362	ug/L
Bi	209	322790.560	322790.560		ug/L

: 00526

Sample Information

Sample ID: 0B22027-CAL8
Autosampler Position: 8
Sample Date/Time: Monday, February 22, 2010 13:59:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CAL8.008
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	340021.021	340021.021				ug/L
⌊	Be	9	21268.165	0.063	100.033285	1.830	1.829	ug/L
⌈	V	51	749260.209	3.105	100.003337	1.245	1.245	ug/L
|	Cu	63	379943.711	1.579	99.283212	0.862	0.868	ug/L
|	Cu	65	181598.632	0.755	99.169594	2.162	2.180	ug/L
|	Zn	66	99403.549	0.413	99.476299	0.933	0.937	ug/L
|	Zn	68	72638.884	0.301	99.566116	0.102	0.103	ug/L
|>	Ge	72	240535.519	240535.519				ug/L
|	As	75	125714.319	0.522	99.554709	1.075	1.079	ug/L
|	Se	77	9553.480	0.039	99.276682	1.237	1.246	ug/L
⌊	Se	82	13169.422	0.055	99.791089	1.602	1.605	ug/L
⌈>	Rh	103	284829.951	284829.951				ug/L
|	Ag	107	715448.276	2.512	99.806574	0.689	0.690	ug/L
|	Cd	111	170047.169	0.597	100.289448	1.662	1.657	ug/L
⌊	Cd	114	393625.141	1.382	99.915687	0.440	0.440	ug/L
⌈>	In	115	233013.036	233013.036				ug/L
|	Sb	121	576201.450	2.473	99.876167	1.166	1.168	ug/L
⌊	Sb	123	442154.773	1.897	100.044497	1.044	1.043	ug/L
⌈	Tl	203	704778.240	2.197	99.743796	0.968	0.970	ug/L
|	Tl	205	1663052.331	5.183	99.215192	0.727	0.732	ug/L
|	Pb	208	2253789.757	7.023	99.353251	0.404	0.407	ug/L
⌊>	Bi	209	320824.610	320824.610				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	

: 00527

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342361.094	342361.094		ug/L
Be	9	20973.868	0.081	97.987984	ug/L
V	51	752188.742	3.141	101.188948	ug/L
Cu	63	380711.214	1.586	100.283288	ug/L
Cu	65	184717.781	0.774	101.867828	ug/L
Zn	66	99602.243	0.416	100.354847	ug/L
Zn	68	72131.091	0.301	99.848498	ug/L
Ge	72	238868.797	238868.797		ug/L
As	75	124041.011	0.520	99.001558	ug/L
Se	77	9586.498	0.040	100.188088	ug/L
Se	82	12953.488	0.054	98.187127	ug/L
Rh	103	286960.145	286960.145		ug/L
Ag	107	716818.278	2.498	99.263344	ug/L
Cd	111	172150.088	0.600	100.770084	ug/L
Cd	114	387770.588	1.388	100.220808	ug/L
In	115	232210.247	232210.247		ug/L
Sb	121	569863.535	2.453	99.083008	ug/L
Sb	123	438267.869	1.887	99.813008	ug/L
Tl	203	714182.988	2.217	100.883436	ug/L
Tl	205	1680714.288	5.217	99.881930	ug/L
Pb	208	2253048.808	6.992	98.914643	ug/L
Bi	209	322138.088	322138.088		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	338881.731	338881.731		ug/L
Be	9	21488.483	0.083	101.452527	ug/L
V	51	738207.150	3.084	98.704431	ug/L
Cu	63	377988.006	1.574	98.844882	ug/L
Cu	65	179321.808	0.747	98.098910	ug/L
Zn	66	99324.787	0.413	99.576286	ug/L
Zn	68	72528.084	0.301	99.597831	ug/L
Ge	72	240080.716	240080.716		ug/L
As	75	127044.291	0.529	100.793217	ug/L
Se	77	9583.521	0.039	99.772814	ug/L
Se	82	13353.449	0.056	101.399521	ug/L
Rh	103	288749.314	288749.314		ug/L
Ag	107	718733.122	2.508	99.586188	ug/L
Cd	111	168062.811	0.588	98.440647	ug/L
Cd	114	394282.300	1.378	99.411288	ug/L
In	115	234387.747	234387.747		ug/L
Sb	121	576381.518	2.488	99.330366	ug/L
Sb	123	441750.361	1.885	99.373843	ug/L
Tl	203	706132.407	2.199	99.836386	ug/L
Tl	205	1664712.441	5.191	99.384840	ug/L
Pb	208	2261017.148	7.049	99.710083	ug/L
Bi	209	320699.438	320699.438		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339020.239	339020.239		ug/L
Be	9	21344.056	0.083	100.879348	ug/L
V	51	757384.734	3.108	100.118633	ug/L
Cu	63	381153.916	1.589	98.841493	ug/L
Cu	65	180756.307	0.744	97.753943	ug/L
Zn	66	99383.607	0.409	99.497795	ug/L
Zn	68	73257.478	0.301	99.481922	ug/L
Ge	72	242880.043	242880.043		ug/L
As	75	126067.666	0.519	99.866349	ug/L
Se	77	9611.424	0.039	97.898345	ug/L
Se	82	13302.328	0.055	99.838617	ug/L
Rh	103	280780.384	280780.384		ug/L
Ag	107	710783.438	2.531	100.578189	ug/L
Cd	111	169938.588	0.606	101.667744	ug/L
Cd	114	388822.529	1.386	100.115187	ug/L
In	115	232481.115	232481.115		ug/L
Sb	121	562649.299	2.508	101.218141	ug/L
Sb	123	446416.007	1.920	101.248942	ug/L
Tl	203	695039.313	2.174	98.733586	ug/L
Tl	205	1643730.262	5.142	98.428805	ug/L
Pb	208	2247306.514	7.029	99.438018	ug/L
Bi	209	319636.329	319636.329		ug/L

: 00528

Quantitative Analysis Calibration Report

File Name:
File Path:
Calibration Type: External Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Li	6.015	Linear Thru Zero	0.00	0.00	0.000000
Be	9.012	Linear Thru Zero	0.00	0.00	0.999994
V	50.944	Linear Thru Zero	0.03	0.00	0.999997
Cu	62.930	Linear Thru Zero	0.02	0.00	0.999905
Cu	64.928	Linear Thru Zero	0.01	0.00	0.999878
Zn	65.926	Linear Thru Zero	0.00	0.00	0.999935
Zn	67.925	Linear Thru Zero	0.00	0.00	0.999958
Ge	71.922	Linear Thru Zero	0.00	0.00	0.000000
As	74.922	Linear Thru Zero	0.01	0.00	0.999966
Se	76.920	Linear Thru Zero	0.00	0.00	0.999908
Se	81.917	Linear Thru Zero	0.00	0.00	0.999979
Rh	102.905	Linear Thru Zero	0.00	0.00	0.000000
Ag	106.905	Linear Thru Zero	0.03	0.00	0.999977
Cd	110.904	Linear Thru Zero	0.01	0.00	0.999947
Cd	113.904	Linear Thru Zero	0.01	0.00	0.999979
In	114.904	Linear Thru Zero	0.00	0.00	0.000000
Sb	120.904	Linear Thru Zero	0.02	0.00	0.999997
Sb	122.904	Linear Thru Zero	0.02	0.00	0.999999
Tl	202.972	Linear Thru Zero	0.02	0.00	0.999978
Tl	204.975	Linear Thru Zero	0.05	0.00	0.999897
Pb	207.977	Linear Thru Zero	0.07	0.00	0.999928
Bi	208.980	Linear Thru Zero	0.00	0.00	0.000000

Method Equation

Analyte	Mass	Corrections
V	50.944	-3.127 *(ClO 53 -(0.113 *Cr 52))
As	74.922	-3.127 *(ArCl 77 -(0.706602625 *Se 82))
Se	81.917	- 1.007833 * Kr 83
Cd	110.904	-1.060002 *(MoO 108 -(0.712 *Pd 106))
Cd	113.904	-0.027250 *Sn 118
In	114.904	- 0.014038 * Sn 118
Sb	122.904	- 0.125884 * Te 125
Pb	207.977	+1*Pb 206 +1*Pb 207

Sample Information

Sample ID: 0B22027-SCV1
Autosampler Position: 2
Sample Date/Time: Monday, February 22, 2010 14:03:46
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-SCV1.009
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	337373.912	337373.912				ug/L
⌊	Be	9	7955.841	0.024	37.708502	0.525	1.392	ug/L
⌈	V	51	278694.960	1.163	37.453052	0.480	1.283	ug/L
|	Cu	63	146459.825	0.616	38.722922	0.343	0.886	ug/L
|	Cu	65	70818.377	0.298	39.125208	0.112	0.286	ug/L
|	Zn	66	38473.424	0.161	38.908088	0.887	2.280	ug/L
|	Zn	68	27659.728	0.115	38.175054	0.222	0.582	ug/L
|>	Ge	72	237567.395	237567.395				ug/L
|	As	75	49687.835	0.209	39.817485	0.618	1.551	ug/L
|	Se	77	3715.670	0.015	38.302685	0.682	1.780	ug/L
⌊	Se	82	4918.851	0.021	38.011469	0.853	2.243	ug/L
⌈>	Rh	103	286535.705	286535.705				ug/L
|	Ag	107	280600.100	0.979	38.910143	0.307	0.790	ug/L
|	Cd	111	65225.577	0.228	38.238576	0.332	0.869	ug/L
⌊	Cd	114	150210.074	0.524	37.903565	0.486	1.282	ug/L
⌈>	In	115	233549.538	233549.538				ug/L
|	Sb	121	217512.329	0.931	37.615025	0.859	2.285	ug/L
⌊	Sb	123	166672.782	0.714	37.628872	1.431	3.804	ug/L
⌈	Tl	203	269386.114	0.837	37.990528	0.967	2.545	ug/L
|	Tl	205	639222.444	1.985	37.998903	0.304	0.801	ug/L
|	Pb	208	864500.459	2.684	37.961595	0.126	0.333	ug/L
⌊>	Bi	209	321953.379	321953.379				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.187
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	95.439
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	95.978
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	95.914

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.144

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	337028.183	337028.183		ug/L
Be	9	7815.463	0.023	37.553087	ug/L
V	51	274401.066	1.146	38.913256	ug/L
Cu	63	145444.298	0.612	38.467798	ug/L
Cu	65	70676.883	0.297	38.035788	ug/L
Zn	66	37562.831	0.158	38.017736	ug/L
Zn	68	27489.088	0.118	37.980798	ug/L
Ge	72	237298.674	237298.674		ug/L
As	75	48744.868	0.208	39.108677	ug/L
Se	77	3785.040	0.015	38.087348	ug/L
Se	82	4788.088	0.020	37.031516	ug/L
Rh	103	269471.823	269471.823		ug/L
Ag	107	260866.087	0.971	38.563318	ug/L
Cd	111	65387.291	0.226	37.947309	ug/L
Cd	114	151520.076	0.523	37.842483	ug/L
In	115	236453.068	236453.068		ug/L
Sb	121	214444.858	0.907	38.622913	ug/L
Sb	123	161438.586	0.683	35.980032	ug/L
Tl	203	266684.561	0.826	37.503084	ug/L
Tl	205	648220.521	1.999	38.281868	ug/L
Pb	208	863567.286	2.674	37.827038	ug/L
Bi	209	322743.503	322743.503		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	340107.133	340107.133		ug/L
Be	9	7829.478	0.023	37.278972	ug/L
V	51	280177.227	1.188	37.812358	ug/L
Cu	63	145878.048	0.613	38.553083	ug/L
Cu	65	71724.058	0.299	39.250838	ug/L
Zn	66	38621.981	0.161	38.914568	ug/L
Zn	68	27856.711	0.115	38.127008	ug/L
Ge	72	237829.917	237829.917		ug/L
As	75	50235.709	0.211	40.212868	ug/L
Se	77	3687.988	0.015	37.953820	ug/L
Se	82	4999.202	0.021	38.583681	ug/L
Rh	103	268191.670	268191.670		ug/L
Ag	107	263028.188	0.982	39.019079	ug/L
Cd	111	65486.189	0.227	38.167888	ug/L
Cd	114	149288.363	0.518	37.450871	ug/L
In	115	230998.174	230998.174		ug/L
Sb	121	217879.221	0.843	39.099086	ug/L
Sb	123	167670.268	0.726	38.263066	ug/L
Tl	203	276431.188	0.861	39.104189	ug/L
Tl	205	638418.084	1.989	38.089646	ug/L
Pb	208	864448.329	2.692	38.077701	ug/L
Bi	209	320861.384	320861.384		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	334988.411	334988.411		ug/L
Be	9	8022.583	0.024	38.283438	ug/L
V	51	281508.588	1.178	37.833639	ug/L
Cu	63	147966.128	0.622	39.117966	ug/L
Cu	65	70754.410	0.297	39.088888	ug/L
Zn	66	39348.458	0.166	39.781972	ug/L
Zn	68	27834.406	0.116	38.417368	ug/L
Ge	72	237573.583	237573.583		ug/L
As	75	50083.128	0.211	40.133912	ug/L
Se	77	3673.981	0.015	37.856888	ug/L
Se	82	4972.282	0.021	38.419208	ug/L
Rh	103	281943.520	281943.520		ug/L
Ag	107	277807.048	0.985	39.148034	ug/L
Cd	111	64793.268	0.230	38.600731	ug/L
Cd	114	149820.781	0.531	38.417242	ug/L
In	115	233200.386	233200.386		ug/L
Sb	121	220213.208	0.944	38.133078	ug/L
Sb	123	170908.482	0.733	38.633631	ug/L
Tl	203	265132.614	0.823	37.364330	ug/L
Tl	205	634028.727	1.968	37.866387	ug/L
Pb	208	865484.784	2.685	37.980048	ug/L
Bi	209	322166.251	322166.251		ug/L

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 14:12:14
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.010
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	337475.933	337475.933				ug/L
⌊	Be	9	1.000	-0.000	-0.002614	0.005	180.662	ug/L
⌈	V	51	2393.232	-0.000	-0.010992	0.014	125.822	ug/L
|	Cu	63	165.004	0.000	0.002486	0.005	187.357	ug/L
|	Cu	65	83.001	0.000	0.000758	0.002	297.607	ug/L
|	Zn	66	111.669	-0.000	-0.005835	0.002	40.723	ug/L
|	Zn	68	249.007	0.000	0.000548	0.026	4789.882	ug/L
|>	Ge	72	239003.286	239003.286				ug/L
|	As	75	59.241	0.000	0.011562	0.039	334.612	ug/L
|	Se	77	119.002	-0.000	-0.041122	0.062	150.162	ug/L
⌊	Se	82	-46.696	0.000	0.083464	0.184	220.646	ug/L
⌈>	Rh	103	290803.792	290803.792				ug/L
|	Ag	107	85.668	0.000	0.009661	0.001	7.263	ug/L
|	Cd	111	6.438	0.000	0.003281	0.003	85.650	ug/L
⌊	Cd	114	10.783	0.000	0.000592	0.001	224.101	ug/L
⌈>	In	115	235309.658	235309.658				ug/L
|	Sb	121	704.042	0.003	0.110285	0.006	5.747	ug/L
⌊	Sb	123	540.189	0.002	0.111701	0.004	3.463	ug/L
⌈	Tl	203	39.334	0.000	0.000186	0.001	721.160	ug/L
|	Tl	205	90.668	0.000	0.000431	0.000	77.665	ug/L
|	Pb	208	504.345	-0.000	-0.000862	0.001	69.013	ug/L
⌊>	Bi	209	320323.836	320323.836				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.215
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.016
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	97.408
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	96.637

: 00532

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

96.653

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	338970.209	338970.209		ug/L
Be	9	2.000	0.000	0.002082	ug/L
V	51	2322.881	-0.001	-0.023298	ug/L
Cu	63	171.004	0.000	0.003672	ug/L
Cu	65	86.001	0.000	0.001868	ug/L
Zn	66	111.002	-0.000	-0.007482	ug/L
Zn	68	232.006	-0.000	-0.025801	ug/L
Ge	72	241112.287	241112.287		ug/L
As	75	5.894	-0.000	-0.031180	ug/L
Se	77	115.002	-0.000	-0.084383	ug/L
Se	82	-41.618	0.000	0.125131	ug/L
Rh	103	280483.184	280483.184		ug/L
Ag	107	88.001	0.000	0.010133	ug/L
Cd	111	6.923	0.000	0.003684	ug/L
Cd	114	16.888	0.000	0.002059	ug/L
In	115	233463.184	233463.184		ug/L
Sb	121	721.044	0.003	0.114138	ug/L
Sb	123	563.398	0.002	0.115637	ug/L
Tl	203	46.001	0.000	0.001638	ug/L
Tl	205	95.002	0.000	0.000878	ug/L
Pb	208	508.012	-0.000	-0.000848	ug/L
Bi	209	321187.880	321187.880		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	340817.621	340817.621		ug/L
Be	9	0.000	-0.000	-0.007382	ug/L
V	51	2490.852	0.000	0.003897	ug/L
Cu	63	179.004	0.000	0.008434	ug/L
Cu	65	85.001	0.000	0.002193	ug/L
Zn	66	110.002	-0.000	-0.008801	ug/L
Zn	68	248.007	0.000	0.000878	ug/L
Ge	72	237872.814	237872.814		ug/L
As	75	71.801	0.000	0.031718	ug/L
Se	77	117.002	-0.000	-0.058676	ug/L
Se	82	-72.886	-0.000	-0.117980	ug/L
Rh	103	288105.288	288105.288		ug/L
Ag	107	79.001	0.000	0.009864	ug/L
Cd	111	1.288	0.000	0.000332	ug/L
Cd	114	9.339	-0.000	0.000497	ug/L
In	115	234180.238	234180.238		ug/L
Sb	121	721.044	0.003	0.113748	ug/L
Sb	123	520.778	0.002	0.107803	ug/L
Tl	203	39.000	0.000	0.000157	ug/L
Tl	205	84.001	0.000	0.000049	ug/L
Pb	208	516.013	-0.000	-0.000273	ug/L
Bi	209	316293.481	316293.481		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	333138.975	333138.975		ug/L
Be	9	1.000	-0.000	-0.002982	ug/L
V	51	2366.753	-0.000	-0.013715	ug/L
Cu	63	145.003	-0.000	-0.002880	ug/L
Cu	65	78.001	-0.000	-0.001847	ug/L
Zn	66	114.002	-0.000	-0.003113	ug/L
Zn	68	267.008	0.000	0.028388	ug/L
Ge	72	238234.787	238234.787		ug/L
As	75	100.028	0.000	0.044181	ug/L
Se	77	125.002	0.000	0.028673	ug/L
Se	82	25.618	0.000	0.243221	ug/L
Rh	103	283812.924	283812.924		ug/L
Ag	107	89.001	0.000	0.009966	ug/L
Cd	111	11.103	0.000	0.005826	ug/L
Cd	114	8.310	0.000	0.000203	ug/L
In	115	236275.584	236275.584		ug/L
Sb	121	670.039	0.003	0.102970	ug/L
Sb	123	548.397	0.002	0.111563	ug/L
Tl	203	30.000	-0.000	-0.001138	ug/L
Tl	205	93.002	0.000	0.000888	ug/L
Pb	208	491.011	-0.000	-0.001462	ug/L
Bi	208	320490.356	320490.356		ug/L

Sample Information

Sample ID: 0B22027-CRL1
Autosampler Position: 3
Sample Date/Time: Monday, February 22, 2010 14:16:12
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CRL1.011
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	343273.124	343273.124				ug/L
⌊	Be	9	39.667	0.000	0.177368	0.060	33.715	ug/L
⌈	V	51	3848.773	0.006	0.181527	0.012	6.834	ug/L
|	Cu	63	932.737	0.003	0.202760	0.004	2.169	ug/L
|	Cu	65	451.019	0.002	0.201335	0.002	0.893	ug/L
|	Zn	66	331.011	0.001	0.212943	0.010	4.581	ug/L
|	Zn	68	384.681	0.001	0.184570	0.017	9.246	ug/L
|>	Ge	72	240699.569	240699.569				ug/L
|	As	75	289.651	0.001	0.193639	0.032	16.667	ug/L
|	Se	77	129.002	0.000	0.055072	0.040	72.825	ug/L
⌊	Se	82	-22.016	0.000	0.273032	0.116	42.665	ug/L
⌈>	Rh	103	292083.020	292083.020				ug/L
|	Ag	107	1379.147	0.005	0.185624	0.015	8.263	ug/L
|	Cd	111	370.118	0.001	0.212475	0.010	4.588	ug/L
⌊	Cd	114	792.952	0.003	0.194162	0.010	5.118	ug/L
⌈>	In	115	235941.242	235941.242				ug/L
|	Sb	121	1527.179	0.006	0.250840	0.003	1.121	ug/L
⌊	Sb	123	1162.477	0.005	0.250410	0.008	3.203	ug/L
⌈	Tl	203	1475.834	0.004	0.202011	0.004	2.018	ug/L
|	Tl	205	3391.839	0.010	0.195944	0.002	1.139	ug/L
|	Pb	208	5161.116	0.014	0.202840	0.006	3.118	ug/L
⌊>	Bi	209	323152.763	323152.763				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.816
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.697
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	97.836
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	96.896

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	97.506

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	341670.566	341670.566		ug/L
Be	9	28.000	0.000	0.128420	ug/L
V	51	3847.194	0.008	0.180088	ug/L
Cu	63	928.089	0.003	0.200439	ug/L
Cu	65	453.019	0.002	0.201871	ug/L
Zn	66	323.011	0.001	0.204217	ug/L
Zn	68	374.014	0.001	0.168668	ug/L
Ge	72	241251.886	241251.886		ug/L
As	75	284.318	0.001	0.188715	ug/L
Se	77	133.003	0.000	0.083871	ug/L
Se	82	23.748	0.000	0.256712	ug/L
Rh	103	263548.412	263548.412		ug/L
Ag	107	1258.123	0.004	0.167980	ug/L
Cd	111	383.133	0.001	0.218611	ug/L
Cd	114	762.760	0.003	0.185778	ug/L
In	115	235712.831	235712.831		ug/L
Sb	121	1508.174	0.006	0.247833	ug/L
Sb	123	1129.723	0.005	0.243383	ug/L
Tl	203	1485.168	0.004	0.198748	ug/L
Tl	205	3408.946	0.010	0.193378	ug/L
Pb	208	5120.776	0.014	0.187210	ug/L
Bi	209	328750.410	328750.410		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343846.012	343846.012		ug/L
Be	9	54.001	0.000	0.244021	ug/L
V	51	3908.988	0.008	0.194689	ug/L
Cu	63	943.072	0.003	0.207831	ug/L
Cu	65	443.018	0.002	0.196330	ug/L
Zn	66	326.011	0.001	0.211139	ug/L
Zn	68	394.015	0.001	0.202582	ug/L
Ge	72	238380.836	238380.836		ug/L
As	75	330.198	0.001	0.229082	ug/L
Se	77	128.002	0.000	0.057671	ug/L
Se	82	-5.614	0.000	0.396808	ug/L
Rh	103	264832.688	264832.688		ug/L
Ag	107	1448.181	0.005	0.193120	ug/L
Cd	111	353.982	0.001	0.201249	ug/L
Cd	114	845.043	0.003	0.206138	ug/L
In	115	234410.116	234410.116		ug/L
Sb	121	1532.180	0.006	0.253406	ug/L
Sb	123	1147.348	0.005	0.248732	ug/L
Tl	203	1447.161	0.004	0.199588	ug/L
Tl	205	3389.838	0.010	0.187391	ug/L
Pb	208	5276.616	0.015	0.208684	ug/L
Bi	209	320617.894	320617.894		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344702.804	344702.804		ug/L
Be	9	36.000	0.000	0.159884	ug/L
V	51	3780.156	0.008	0.190818	ug/L
Cu	63	929.070	0.003	0.200008	ug/L
Cu	65	457.019	0.002	0.202803	ug/L
Zn	66	344.012	0.001	0.223478	ug/L
Zn	68	388.014	0.001	0.182462	ug/L
Ge	72	242466.989	242466.989		ug/L
As	75	254.440	0.001	0.164110	ug/L
Se	77	126.002	0.000	0.013775	ug/L
Se	82	-36.686	0.000	0.163778	ug/L
Rh	103	267866.968	267866.968		ug/L
Ag	107	1433.168	0.005	0.195772	ug/L
Cd	111	373.239	0.001	0.217356	ug/L
Cd	114	771.063	0.003	0.191589	ug/L
In	115	237700.778	237700.778		ug/L
Sb	121	1541.182	0.006	0.251281	ug/L
Sb	123	1210.358	0.005	0.256136	ug/L
Tl	203	1496.171	0.005	0.208717	ug/L
Tl	205	3378.833	0.010	0.197088	ug/L
Pb	208	5088.756	0.014	0.201634	ug/L
Bi	209	320086.898	320086.898		ug/L

Sample Information

Sample ID: 0B22027-CRL2
Autosampler Position: 4
Sample Date/Time: Monday, February 22, 2010 14:20:11
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CRL2.012
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	340348.974	340348.974				ug/L
⌊	Be	9	220.006	0.001	1.026265	0.104	10.133	ug/L
⌈	V	51	9575.225	0.029	0.947819	0.007	0.733	ug/L
|	Cu	63	4055.192	0.016	1.018467	0.026	2.574	ug/L
|	Cu	65	1980.628	0.008	1.036384	0.026	2.469	ug/L
|	Zn	66	1120.099	0.004	1.003048	0.021	2.127	ug/L
|	Zn	68	988.078	0.003	1.013835	0.060	5.875	ug/L
|>	Ge	72	240692.828	240692.828				ug/L
|	As	75	1224.709	0.005	0.933793	0.064	6.832	ug/L
|	Se	77	218.006	0.000	0.991443	0.167	16.816	ug/L
⌊	Se	82	71.311	0.001	0.976046	0.113	11.604	ug/L
⌈>	Rh	103	291279.105	291279.105				ug/L
|	Ag	107	7243.413	0.025	0.986238	0.043	4.324	ug/L
|	Cd	111	1743.534	0.006	1.005060	0.039	3.839	ug/L
⌊	Cd	114	3969.600	0.014	0.983367	0.028	2.804	ug/L
⌈>	In	115	236808.281	236808.281				ug/L
|	Sb	121	5982.898	0.025	1.010096	0.019	1.921	ug/L
⌊	Sb	123	4544.363	0.019	1.002683	0.021	2.118	ug/L
⌈	Tl	203	7223.390	0.022	0.997166	0.021	2.090	ug/L
|	Tl	205	17061.524	0.052	0.993138	0.004	0.439	ug/L
|	Pb	208	23619.839	0.071	0.998116	0.016	1.565	ug/L
⌊>	Bi	209	327190.651	327190.651				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.008
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.695
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	97.567
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.252

: 00536

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.725

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339864.623	339864.623		ug/L
Be	9	198.005	0.001	0.914984	ug/L
V	51	9580.133	0.029	0.948882	ug/L
Cu	63	4030.171	0.016	1.009780	ug/L
Cu	65	2018.304	0.008	1.058786	ug/L
Zn	66	1116.088	0.004	0.998476	ug/L
Zn	68	954.073	0.003	0.987686	ug/L
Ge	72	240564.246	240564.246		ug/L
As	75	1225.251	0.005	0.934640	ug/L
Se	77	236.008	0.000	1.181764	ug/L
Se	82	56.359	0.000	0.883427	ug/L
Rh	103	293778.469	293778.469		ug/L
Ag	107	6944.444	0.024	0.837188	ug/L
Cd	111	1727.582	0.006	0.987353	ug/L
Cd	114	3875.182	0.013	0.961622	ug/L
In	115	236475.251	236475.251		ug/L
Sb	121	5946.634	0.025	1.005133	ug/L
Sb	123	4501.085	0.019	0.994281	ug/L
Tl	203	7187.688	0.022	0.982402	ug/L
Tl	205	16974.316	0.052	0.986306	ug/L
Pb	208	23816.729	0.071	1.008861	ug/L
Bi	209	327103.302	327103.302		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339695.681	339695.681		ug/L
Be	9	223.008	0.001	1.042841	ug/L
V	51	9539.137	0.029	0.940356	ug/L
Cu	63	3984.151	0.016	0.987739	ug/L
Cu	65	2002.301	0.008	1.045888	ug/L
Zn	66	1103.099	0.004	0.983729	ug/L
Zn	68	1039.086	0.003	1.061073	ug/L
Ge	72	241188.807	241188.807		ug/L
As	75	1146.114	0.005	0.869626	ug/L
Se	77	207.006	0.000	0.971188	ug/L
Se	82	71.298	0.001	0.974774	ug/L
Rh	103	289660.988	289660.988		ug/L
Ag	107	7410.917	0.026	1.014556	ug/L
Cd	111	1688.086	0.006	0.978513	ug/L
Cd	114	4002.886	0.014	0.997079	ug/L
In	115	240587.089	240587.089		ug/L
Sb	121	5981.563	0.025	0.993684	ug/L
Sb	123	4545.988	0.019	0.988660	ug/L
Tl	203	7134.633	0.022	0.979116	ug/L
Tl	205	17221.908	0.052	0.988770	ug/L
Pb	208	23337.211	0.068	0.980080	ug/L
Bi	209	329070.668	329070.668		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	341586.718	341586.718		ug/L
Be	9	241.008	0.001	1.120870	ug/L
V	51	9808.408	0.030	0.954108	ug/L
Cu	63	4161.253	0.017	1.047943	ug/L
Cu	65	1924.279	0.008	1.007379	ug/L
Zn	66	1141.103	0.004	1.025841	ug/L
Zn	68	971.076	0.003	0.992738	ug/L
Ge	72	240295.432	240295.432		ug/L
As	75	1302.762	0.005	0.987211	ug/L
Se	77	211.005	0.000	0.921399	ug/L
Se	82	86.291	0.001	1.089938	ug/L
Rh	103	290408.877	290408.877		ug/L
Ag	107	7374.879	0.025	1.009988	ug/L
Cd	111	1614.921	0.006	1.049314	ug/L
Cd	114	4030.725	0.014	1.001399	ug/L
In	115	233382.503	233382.503		ug/L
Sb	121	6020.586	0.026	1.031502	ug/L
Sb	123	4586.014	0.019	1.026837	ug/L
Tl	203	7347.851	0.022	1.019981	ug/L
Tl	205	16988.348	0.052	0.994337	ug/L
Pb	208	23706.577	0.071	1.007417	ug/L
Bi	209	325397.984	325397.984		ug/L

00537

Sample Information

Sample ID: 0B22027-IFA1
Autosampler Position: 10
Sample Date/Time: Monday, February 22, 2010 14:24:11
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-IFA1.013
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	348400.701	348400.701				ug/L
	Be	9	1.333	-0.000	-0.001228	0.003	220.743	ug/L
	V	51	2039.298	-0.002	-0.060344	0.013	20.947	ug/L
	Cu	63	1085.427	0.004	0.242996	0.012	4.843	ug/L
	Cu	65	557.694	0.002	0.260138	0.019	7.132	ug/L
	Zn	66	1749.232	0.007	1.635498	0.006	0.337	ug/L
	Zn	68	1117.765	0.004	1.194269	0.029	2.411	ug/L
>	Ge	72	240338.009	240338.009				ug/L
	As	75	42.796	-0.000	-0.001784	0.108	6050.485	ug/L
	Se	77	268.674	0.001	1.528806	0.134	8.773	ug/L
	Se	82	-52.686	0.000	0.040253	0.073	180.625	ug/L
>	Rh	103	280513.262	280513.262				ug/L
	Ag	107	184.338	0.001	0.024018	0.007	28.332	ug/L
	Cd	111	-2.250	-0.000	-0.001763	0.016	900.941	ug/L
	Cd	114	1503.405	0.005	0.385412	0.011	2.756	ug/L
>	In	115	225874.987	225874.987				ug/L
	Sb	121	393.348	0.001	0.059708	0.008	12.831	ug/L
	Sb	123	296.839	0.001	0.059944	0.006	9.993	ug/L
	Tl	203	45.001	0.000	0.001073	0.000	33.902	ug/L
	Tl	205	108.335	0.000	0.001571	0.001	39.109	ug/L
	Pb	208	783.025	0.001	0.011918	0.002	20.017	ug/L
>	Bi	209	316092.050	316092.050				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	96.232
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	96.552
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	93.961
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	92.762

: 00538

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
	Bi	208.980

95.376

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348280.754	348280.754		ug/L
Be	9	1.000	-0.000	-0.002771	ug/L
V	51	2148.984	-0.001	0.047675	ug/L
Cu	63	1062.094	0.004	0.243114	ug/L
Cu	65	548.028	0.002	0.251806	ug/L
Zn	66	1765.236	0.007	1.841180	ug/L
Zn	68	1136.102	0.004	1.208109	ug/L
Ge	72	241758.587	241758.587		ug/L
As	75	143.271	0.000	0.077074	ug/L
Se	77	276.008	0.001	1.620203	ug/L
Se	82	-54.804	0.000	0.029871	ug/L
Rh	103	284082.851	284082.851		ug/L
Ag	107	238.008	0.001	0.031388	ug/L
Cd	111	-10.587	-0.000	-0.008667	ug/L
Cd	114	1529.823	0.006	0.367259	ug/L
In	115	227963.849	227963.849		ug/L
Sb	121	437.016	0.002	0.086822	ug/L
Sb	123	316.507	0.001	0.063883	ug/L
Tl	203	48.001	0.000	0.001407	ug/L
Tl	205	117.002	0.000	0.001997	ug/L
Pb	208	781.024	0.001	0.010433	ug/L
Bi	209	320708.844	320708.844		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	345271.303	345271.303		ug/L
Be	9	-2.000	0.000	0.001802	ug/L
V	51	2049.817	-0.002	-0.060402	ug/L
Cu	63	1134.101	0.004	0.254704	ug/L
Cu	65	536.025	0.002	0.247126	ug/L
Zn	66	1750.232	0.007	1.830126	ug/L
Zn	68	1133.102	0.004	1.212611	ug/L
Ge	72	241214.668	241214.668		ug/L
As	75	112.583	-0.001	-0.124792	ug/L
Se	77	255.007	0.001	1.374839	ug/L
Se	82	-42.490	0.000	0.118886	ug/L
Rh	103	279499.192	279499.192		ug/L
Ag	107	174.004	0.001	0.022666	ug/L
Cd	111	27.313	0.000	0.015996	ug/L
Cd	114	1453.834	0.006	0.373987	ug/L
In	115	223722.131	223722.131		ug/L
Sb	121	399.018	0.002	0.080703	ug/L
Sb	123	306.632	0.001	0.062921	ug/L
Tl	203	42.001	0.000	0.000885	ug/L
Tl	205	98.002	0.000	0.000887	ug/L
Pb	208	838.027	0.001	0.014888	ug/L
Bi	209	313958.480	313958.480		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	351840.046	351840.046		ug/L
Be	9	1.000	-0.000	-0.002814	ug/L
V	51	1926.123	-0.002	-0.072986	ug/L
Cu	63	1030.088	0.004	0.231171	ug/L
Cu	65	597.030	0.002	0.281383	ug/L
Zn	66	1732.227	0.007	1.635216	ug/L
Zn	68	1063.093	0.004	1.151086	ug/L
Ge	72	238040.771	238040.771		ug/L
As	75	97.709	0.000	0.042357	ug/L
Se	77	272.008	0.001	1.591378	ug/L
Se	82	60.786	-0.000	-0.024897	ug/L
Rh	103	277867.742	277867.742		ug/L
Ag	107	140.003	0.000	0.017972	ug/L
Cd	111	-23.495	-0.000	-0.014618	ug/L
Cd	114	1528.558	0.006	0.394958	ug/L
In	115	225848.981	225848.981		ug/L
Sb	121	348.012	0.001	0.051598	ug/L
Sb	123	267.378	0.001	0.053048	ug/L
Tl	203	45.001	0.000	0.001128	ug/L
Tl	205	112.002	0.000	0.001890	ug/L
Pb	208	749.023	0.001	0.010851	ug/L
Bi	209	313811.846	313811.846		ug/L

Sample Information

Sample ID: 0B22027-IFB1
Autosampler Position: 11
Sample Date/Time: Monday, February 22, 2010 14:28:11
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-IFB1.014
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	346896.487	346896.487				ug/L
⌊	Be	9	3979.148	0.011	18.337146	0.279	1.523	ug/L
⌈	V	51	141749.849	0.581	18.717807	0.233	1.245	ug/L
|	Cu	63	72571.539	0.302	18.998680	0.094	0.496	ug/L
|	Cu	65	34481.051	0.144	18.861361	0.397	2.106	ug/L
|	Zn	66	20593.517	0.085	20.588563	0.028	0.137	ug/L
|	Zn	68	14665.854	0.060	19.901437	0.124	0.623	ug/L
|>	Ge	72	239663.101	239663.101				ug/L
|	As	75	25095.633	0.105	19.917829	0.295	1.483	ug/L
|	Se	77	2115.001	0.008	21.043674	0.284	1.348	ug/L
⌊	Se	82	2404.435	0.010	18.645508	0.591	3.168	ug/L
⌈>	Rh	103	273650.712	273650.712				ug/L
|	Ag	107	136755.638	0.500	19.854297	0.155	0.779	ug/L
|	Cd	111	32201.597	0.118	19.768258	0.467	2.364	ug/L
⌊	Cd	114	76288.107	0.279	20.155518	0.198	0.985	ug/L
⌈>	In	115	224610.166	224610.166				ug/L
|	Sb	121	111545.364	0.496	20.052130	0.379	1.889	ug/L
⌊	Sb	123	84946.725	0.378	19.934917	0.482	2.418	ug/L
⌈	Tl	203	131898.315	0.426	19.343781	0.403	2.082	ug/L
|	Tl	205	316821.682	1.023	19.586360	0.376	1.920	ug/L
|	Pb	208	430198.291	1.388	19.635838	0.292	1.486	ug/L
⌊>	Bi	209	309610.742	309610.742				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.817
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.281
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	91.662
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	92.243

: 00540

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

93.420

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
U	6	347781.829	347781.829		ug/L
Be	9	4056.185	0.012	18.664142	ug/L
V	51	141787.841	0.586	18.828878	ug/L
Cu	63	71878.562	0.301	18.961230	ug/L
Cu	65	35084.352	0.147	19.308376	ug/L
Zn	66	20444.421	0.086	20.586308	ug/L
Zn	68	14682.221	0.061	20.039560	ug/L
Ge	72	238300.213	238300.213		ug/L
As	75	25384.609	0.106	20.246253	ug/L
Se	77	2090.327	0.009	20.909624	ug/L
Se	82	2431.693	0.010	18.954237	ug/L
Rh	103	275180.476	275180.476		ug/L
Ag	107	138881.713	0.504	20.023516	ug/L
Cd	111	31588.310	0.115	19.270803	ug/L
Cd	114	76509.882	0.278	20.101344	ug/L
In	115	226891.618	226891.618		ug/L
Sb	121	110477.816	0.467	19.667839	ug/L
Sb	123	63466.804	0.268	19.385032	ug/L
Tl	203	131636.622	0.478	18.983726	ug/L
Tl	205	316751.980	1.006	19.232466	ug/L
Pb	208	431888.622	1.368	19.380876	ug/L
Bi	209	315187.118	315187.118		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344467.866	344467.866		ug/L
Be	9	3928.119	0.011	18.226779	ug/L
V	51	140120.084	0.573	18.450088	ug/L
Cu	63	73172.614	0.304	19.107133	ug/L
Cu	65	34340.894	0.143	18.734711	ug/L
Zn	66	20588.069	0.086	20.608162	ug/L
Zn	68	14630.114	0.060	19.798781	ug/L
Ge	72	240280.957	240280.957		ug/L
As	75	24863.781	0.103	19.873616	ug/L
Se	77	2161.348	0.008	21.389580	ug/L
Se	82	2456.809	0.010	19.015827	ug/L
Rh	103	276415.580	276415.580		ug/L
Ag	107	137205.589	0.498	19.720405	ug/L
Cd	111	32842.610	0.118	19.835614	ug/L
Cd	114	76432.126	0.276	19.989776	ug/L
In	115	221924.764	221924.764		ug/L
Sb	121	112208.614	0.506	20.413018	ug/L
Sb	123	65413.627	0.385	20.284018	ug/L
Tl	203	131491.567	0.425	19.301697	ug/L
Tl	205	315882.889	1.021	19.548241	ug/L
Pb	208	429088.222	1.388	19.804378	ug/L
Bi	209	308254.872	308254.872		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348439.788	348439.788		ug/L
Be	9	3951.132	0.011	18.127516	ug/L
V	51	143361.911	0.586	18.874478	ug/L
Cu	63	72563.441	0.301	18.937678	ug/L
Cu	65	34008.108	0.141	18.542983	ug/L
Zn	66	20870.071	0.086	20.601219	ug/L
Zn	68	14685.227	0.060	19.864970	ug/L
Ge	72	240408.132	240408.132		ug/L
As	75	25068.309	0.104	19.833417	ug/L
Se	77	2103.331	0.008	20.851837	ug/L
Se	82	2321.802	0.010	17.984362	ug/L
Rh	103	269376.080	269376.080		ug/L
Ag	107	134379.603	0.499	19.816988	ug/L
Cd	111	32392.872	0.120	20.198258	ug/L
Cd	114	75922.512	0.282	20.375435	ug/L
In	115	225014.116	225014.116		ug/L
Sb	121	111948.563	0.467	20.085744	ug/L
Sb	123	65868.742	0.382	20.135707	ug/L
Tl	203	132643.758	0.438	19.766619	ug/L
Tl	205	317850.188	1.044	19.981343	ug/L
Pb	208	429838.129	1.410	19.842161	ug/L
Bi	209	304410.238	304410.238		ug/L

00541

Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 22, 2010 14:32:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.015
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	345161.033	345161.033				ug/L
⌊	Be	9	7716.579	0.022	35.741928	0.605	1.693	ug/L
⌈	V	51	279111.228	1.150	37.030718	0.545	1.472	ug/L
|	Cu	63	148165.777	0.615	38.677361	0.458	1.185	ug/L
|	Cu	65	70802.586	0.294	38.617413	0.263	0.680	ug/L
|	Zn	66	38641.627	0.160	38.581991	0.405	1.049	ug/L
|	Zn	68	27929.784	0.115	38.059715	0.791	2.077	ug/L
|>	Ge	72	240631.302	240631.302				ug/L
|	As	75	49856.224	0.207	39.445915	0.472	1.196	ug/L
|	Se	77	3738.349	0.015	38.042203	1.209	3.179	ug/L
⌊	Se	82	4957.606	0.021	37.828105	1.158	3.061	ug/L
⌈>	Rh	103	289333.149	289333.149				ug/L
|	Ag	107	278343.953	0.962	38.221267	0.568	1.485	ug/L
|	Cd	111	64156.271	0.222	37.245548	0.350	0.939	ug/L
⌊	Cd	114	150389.321	0.520	37.577736	0.252	0.670	ug/L
⌈>	In	115	231415.180	231415.180				ug/L
|	Sb	121	215326.169	0.930	37.578361	1.015	2.701	ug/L
⌊	Sb	123	163232.292	0.705	37.186953	0.976	2.624	ug/L
⌈	Tl	203	269119.807	0.843	38.264626	0.304	0.796	ug/L
|	Tl	205	636450.279	1.993	38.146556	0.357	0.935	ug/L
|	Pb	208	860845.669	2.694	38.114344	0.229	0.602	ug/L
⌊>	Bi	209	319310.643	319310.643				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.337
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.670
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	96.915
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	95.037

: 00542

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

96.347

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B22027-CCV	Be	9	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346494.461	346494.461		ug/L
Be	9	7867.409	0.023	38.306147	ug/L
V	51	260563.703	1.167	37.573761	ug/L
Cu	63	148728.875	0.623	38.186164	ug/L
Cu	65	70056.586	0.294	38.567997	ug/L
Zn	66	38863.758	0.162	38.986472	ug/L
Zn	68	28173.736	0.117	38.753819	ug/L
Ge	72	238400.478	238400.478		ug/L
As	75	50022.886	0.210	38.946433	ug/L
Se	77	3798.048	0.016	38.049462	ug/L
Se	82	5004.242	0.021	38.530749	ug/L
Rh	103	289817.528	289817.528		ug/L
Ag	107	283570.082	0.978	38.874462	ug/L
Cd	111	63744.288	0.270	38.944022	ug/L
Cd	114	151043.148	0.521	37.878378	ug/L
In	115	231707.771	231707.771		ug/L
Sb	121	210082.729	0.906	38.612783	ug/L
Sb	123	159861.310	0.690	38.388381	ug/L
Tl	203	266340.333	0.837	38.028307	ug/L
Tl	205	627032.700	1.972	37.736733	ug/L
Pb	208	863189.254	2.713	38.377772	ug/L
Bi	209	317982.914	317982.914		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	349636.116	349636.116		ug/L
Be	9	7832.370	0.022	38.618882	ug/L
V	51	276763.310	1.133	38.483866	ug/L
Cu	63	148816.638	0.613	38.552115	ug/L
Cu	65	71788.442	0.296	38.801203	ug/L
Zn	66	38480.861	0.158	38.156846	ug/L
Zn	68	27477.022	0.112	37.199162	ug/L
Ge	72	242132.867	242132.867		ug/L
As	75	50089.084	0.207	39.382186	ug/L
Se	77	3633.980	0.014	36.700994	ug/L
Se	82	5073.388	0.021	39.461766	ug/L
Rh	103	289558.322	289558.322		ug/L
Ag	107	278516.371	0.956	37.941360	ug/L
Cd	111	64086.710	0.271	37.163647	ug/L
Cd	114	151249.672	0.522	37.763723	ug/L
In	115	233348.009	233348.009		ug/L
Sb	121	216812.548	0.928	37.486662	ug/L
Sb	123	163459.186	0.700	38.625622	ug/L
Tl	203	272641.870	0.850	38.808158	ug/L
Tl	205	641529.184	2.001	38.294888	ug/L
Pb	208	861949.010	2.687	38.007014	ug/L
Bi	209	320617.894	320617.894		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339353.522	339353.522		ug/L
Be	9	7449.958	0.022	35.101948	ug/L
V	51	260008.672	1.150	37.034536	ug/L
Cu	63	147154.818	0.606	38.294814	ug/L
Cu	65	70586.752	0.292	38.383070	ug/L
Zn	66	38798.474	0.160	38.619866	ug/L
Zn	68	28138.987	0.116	38.226186	ug/L
Ge	72	241380.463	241380.463		ug/L
As	75	49456.723	0.206	39.008127	ug/L
Se	77	3782.039	0.016	38.376152	ug/L
Se	82	4786.190	0.020	38.491802	ug/L
Rh	103	288823.600	288823.600		ug/L
Ag	107	274846.426	0.953	37.847980	ug/L
Cd	111	64668.817	0.224	37.629078	ug/L
Cd	114	148874.944	0.516	37.291109	ug/L
In	115	229188.780	229188.780		ug/L
Sb	121	219283.233	0.957	38.636658	ug/L
Sb	123	166378.400	0.726	38.268876	ug/L
Tl	203	268377.617	0.840	38.157414	ug/L
Tl	205	640788.952	2.006	38.404846	ug/L
Pb	208	857388.744	2.683	37.958246	ug/L
Bi	209	319331.119	319331.119		ug/L

: 00543

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 14:40:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.016
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	344900.191	344900.191				ug/L
⌊	Be	9	1.000	-0.000	-0.002740	0.008	292.166	ug/L
⌈	V	51	2189.561	-0.001	-0.045342	0.011	25.168	ug/L
⌋	Cu	63	177.337	0.000	0.004658	0.003	67.177	ug/L
⌋	Cu	65	86.001	0.000	0.001313	0.002	165.615	ug/L
⌋	Zn	66	125.669	0.000	0.005306	0.012	219.942	ug/L
⌋	Zn	68	252.007	-0.000	-0.003357	0.039	1155.680	ug/L
⌋>	Ge	72	244731.548	244731.548				ug/L
⌋	As	75	-21.851	-0.000	-0.053144	0.048	90.085	ug/L
⌋	Se	77	130.002	0.000	0.042512	0.110	258.807	ug/L
⌊	Se	82	-54.618	0.000	0.032569	0.149	458.068	ug/L
⌈>	Rh	103	293361.423	293361.423				ug/L
⌋	Ag	107	68.001	0.000	0.007166	0.001	13.970	ug/L
⌋	Cd	111	7.614	0.000	0.003940	0.001	16.639	ug/L
⌊	Cd	114	11.509	0.000	0.000756	0.002	219.400	ug/L
⌈>	In	115	236220.857	236220.857				ug/L
⌋	Sb	121	572.362	0.002	0.087231	0.005	5.536	ug/L
⌊	Sb	123	436.472	0.002	0.088124	0.009	10.620	ug/L
⌈	Tl	203	33.000	-0.000	-0.000710	0.000	50.542	ug/L
⌋	Tl	205	85.001	0.000	0.000087	0.001	1289.724	ug/L
⌋	Pb	208	495.345	-0.000	-0.001253	0.000	35.816	ug/L
⌊>	Bi	209	320235.815	320235.815				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.265
⌊	Be	9.012	
⌈	V	50.944	
⌋	Cu	62.930	
⌋	Cu	64.928	
⌋	Zn	65.926	
⌋	Zn	67.925	
⌋>	Ge	71.922	98.317
⌋	As	74.922	
⌋	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.264
⌋	Ag	106.905	
⌋	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.011

: 00544

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

96.626

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346002.446	346002.446		ug/L
Be	9	3.000	0.000	0.008304	ug/L
V	51	2242.927	-0.001	-0.035277	ug/L
Cu	63	184.004	0.000	0.008660	ug/L
Cu	65	85.001	0.000	0.001084	ug/L
Zn	66	134.003	0.000	0.014466	ug/L
Zn	68	280.008	0.000	0.036886	ug/L
Ge	72	242986.572	242986.572		ug/L
As	75	-72.452	-0.000	-0.002663	ug/L
Se	77	126.002	0.000	0.042184	ug/L
Se	82	-60.584	-0.000	-0.014103	ug/L
Rh	103	291458.382	291458.382		ug/L
Ag	107	64.001	0.000	0.006884	ug/L
Cd	111	8.204	0.000	0.004308	ug/L
Cd	114	18.970	0.000	0.002618	ug/L
In	115	238014.410	238014.410		ug/L
Sb	121	609.032	0.002	0.082741	ug/L
Sb	123	447.787	0.002	0.068848	ug/L
Tl	203	31.000	-0.000	-0.000817	ug/L
Tl	205	66.001	-0.000	-0.001033	ug/L
Pb	208	483.011	-0.000	-0.001426	ug/L
Bi	209	314737.793	314737.793		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346215.403	346215.403		ug/L
Be	9	0.000	-0.000	-0.007382	ug/L
V	51	2113.473	-0.002	-0.058186	ug/L
Cu	63	165.004	0.000	0.001056	ug/L
Cu	65	83.001	-0.000	-0.000744	ug/L
Zn	66	131.003	0.000	0.009294	ug/L
Zn	68	227.006	-0.000	-0.040384	ug/L
Ge	72	247159.866	247159.866		ug/L
As	75	46.619	0.000	0.000983	ug/L
Se	77	142.003	0.000	0.152710	ug/L
Se	82	-32.529	0.000	0.199811	ug/L
Rh	103	293223.421	293223.421		ug/L
Ag	107	63.001	0.000	0.006496	ug/L
Cd	111	6.288	0.000	0.003183	ug/L
Cd	114	9.324	0.000	0.000211	ug/L
In	115	233321.450	233321.450		ug/L
Sb	121	545.028	0.002	0.083740	ug/L
Sb	123	468.381	0.002	0.096502	ug/L
Tl	203	38.000	-0.000	-0.000298	ug/L
Tl	205	104.002	0.000	0.001216	ug/L
Pb	208	508.012	-0.000	-0.000744	ug/L
Bi	209	320848.187	320848.187		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342482.723	342482.723		ug/L
Be	9	0.000	-0.000	-0.007382	ug/L
V	51	2212.282	-0.001	-0.041581	ug/L
Cu	63	183.004	0.000	0.008730	ug/L
Cu	65	90.001	0.000	0.003590	ug/L
Zn	66	112.002	-0.000	-0.007836	ug/L
Zn	68	249.007	-0.000	-0.006871	ug/L
Ge	72	244038.208	244038.208		ug/L
As	75	-39.720	0.000	0.066863	ug/L
Se	77	119.002	-0.000	-0.067336	ug/L
Se	82	70.741	-0.000	-0.087702	ug/L
Rh	103	295401.487	295401.487		ug/L
Ag	107	77.001	0.000	0.008318	ug/L
Cd	111	8.348	0.000	0.004328	ug/L
Cd	114	8.234	0.000	-0.000582	ug/L
In	115	237328.712	237328.712		ug/L
Sb	121	563.028	0.002	0.086211	ug/L
Sb	123	393.268	0.001	0.078024	ug/L
Tl	203	32.000	-0.000	-0.000819	ug/L
Tl	205	86.001	0.000	0.000078	ug/L
Pb	208	495.012	-0.000	-0.001581	ug/L
Bi	208	325023.496	325023.496		ug/L

Sample Information

Sample ID: 1000901-BLK2
Autosampler Position: 17
Sample Date/Time: Monday, February 22, 2010 14:44:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1000901-BLK2.017
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	345747.938	345747.938				ug/L
⌊	Be	9	2.000	0.000	0.001876	0.012	650.604	ug/L
⌈	V	51	2379.309	-0.001	-0.023916	0.007	27.382	ug/L
|	Cu	63	323.677	0.001	0.041338	0.004	9.763	ug/L
|	Cu	65	152.670	0.000	0.036211	0.003	8.728	ug/L
|	Zn	66	1255.790	0.005	1.104463	0.008	0.743	ug/L
|	Zn	68	1081.093	0.003	1.101174	0.047	4.300	ug/L
|>	Ge	72	247458.746	247458.746				ug/L
|	As	75	26.069	-0.000	-0.015855	0.021	129.682	ug/L
|	Se	77	110.669	-0.000	-0.169614	0.116	68.451	ug/L
⌊	Se	82	-52.998	0.000	0.049502	0.083	167.703	ug/L
⌈>	Rh	103	300333.764	300333.764				ug/L
|	Ag	107	56.667	0.000	0.005454	0.001	10.189	ug/L
|	Cd	111	3.929	0.000	0.001773	0.001	75.945	ug/L
⌊	Cd	114	8.164	-0.000	-0.000122	0.000	381.159	ug/L
⌈>	In	115	237602.564	237602.564				ug/L
|	Sb	121	438.685	0.002	0.063956	0.001	1.908	ug/L
⌊	Sb	123	324.258	0.001	0.062599	0.005	8.041	ug/L
⌈	Tl	203	35.334	-0.000	-0.000548	0.001	187.188	ug/L
|	Tl	205	66.001	-0.000	-0.001165	0.000	20.648	ug/L
|	Pb	208	1177.716	0.002	0.027237	0.001	2.171	ug/L
⌊>	Bi	209	330762.384	330762.384				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.500
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.413
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.600
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.578

: 00546

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.802

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344515.082	344515.082		ug/L
Be	9	1.000	0.000	-0.002720	ug/L
V	51	2361.440	-0.001	-0.026531	ug/L
Cu	63	337.011	0.001	0.044980	ug/L
Cu	65	155.003	0.000	0.037876	ug/L
Zn	66	1249.122	0.006	1.101587	ug/L
Zn	68	1046.087	0.003	1.067086	ug/L
Ge	72	246736.868	246736.868		ug/L
As	75	30.740	-0.000	-0.012109	ug/L
Se	77	123.002	-0.000	-0.030801	ug/L
Se	82	-44.647	0.000	0.108978	ug/L
Rh	103	301139.863	301139.863		ug/L
Ag	107	57.001	0.000	0.006480	ug/L
Cd	111	5.043	0.000	0.002384	ug/L
Cd	114	10.179	0.000	0.000368	ug/L
In	115	239316.469	239316.469		ug/L
Sb	121	450.019	0.002	0.085340	ug/L
Sb	123	334.878	0.001	0.064435	ug/L
Tl	203	43.001	0.000	0.000386	ug/L
Tl	205	84.001	-0.000	-0.001357	ug/L
Pb	208	1183.061	0.002	0.028868	ug/L
Bi	209	337569.781	337569.781		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346589.734	346589.734		ug/L
Be	9	5.000	0.000	0.018710	ug/L
V	51	2466.441	-0.001	-0.016446	ug/L
Cu	63	309.010	0.001	0.036988	ug/L
Cu	65	147.003	0.000	0.032584	ug/L
Zn	66	1275.127	0.006	1.113726	ug/L
Zn	68	1089.093	0.003	1.095250	ug/L
Ge	72	249387.337	249387.337		ug/L
As	75	50.280	0.000	0.002676	ug/L
Se	77	108.002	-0.000	0.205818	ug/L
Se	82	-48.741	0.000	0.083673	ug/L
Rh	103	301570.476	301570.476		ug/L
Ag	107	61.001	0.000	0.005966	ug/L
Cd	111	5.594	0.000	0.002698	ug/L
Cd	114	8.315	-0.000	-0.000573	ug/L
In	115	237112.820	237112.820		ug/L
Sb	121	435.018	0.002	0.083490	ug/L
Sb	123	340.886	0.001	0.066466	ug/L
Tl	203	36.000	-0.000	-0.000398	ug/L
Tl	205	70.001	-0.000	-0.000886	ug/L
Pb	208	1152.050	0.002	0.027819	ug/L
Bi	209	327523.938	327523.938		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348143.018	348143.018		ug/L
Be	9	0.000	-0.000	-0.007382	ug/L
V	51	2331.046	-0.001	-0.028879	ug/L
Cu	63	325.011	0.001	0.042088	ug/L
Cu	65	158.003	0.000	0.038373	ug/L
Zn	66	1243.121	0.006	1.088104	ug/L
Zn	68	1113.098	0.003	1.151213	ug/L
Ge	72	246250.234	246250.234		ug/L
As	75	-2.621	-0.000	-0.038031	ug/L
Se	77	101.002	-0.000	-0.263527	ug/L
Se	82	-66.609	-0.000	-0.048146	ug/L
Rh	103	298290.966	298290.966		ug/L
Ag	107	52.001	0.000	0.004888	ug/L
Cd	111	1.149	0.000	0.000228	ug/L
Cd	114	7.997	-0.000	-0.000148	ug/L
In	115	236378.403	236378.403		ug/L
Sb	121	431.017	0.002	0.083037	ug/L
Sb	123	297.008	0.001	0.058808	ug/L
Tl	203	27.000	-0.000	-0.001842	ug/L
Tl	205	64.001	-0.000	-0.001242	ug/L
Pb	208	1158.048	0.002	0.029935	ug/L
Bi	209	327174.453	327174.453		ug/L

: 00547

Sample Information

Sample ID: 1000901-BS2
Autosampler Position: 18
Sample Date/Time: Monday, February 22, 2010 14:48:04
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1000901-BS2.018
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	346612.892	346612.892				ug/L
⌊	Be	9	3552.252	0.010	16.385660	0.479	2.920	ug/L
⌈	V	51	134923.867	0.537	17.289453	0.319	1.848	ug/L
|	Cu	63	70119.255	0.284	17.835936	0.214	1.199	ug/L
⌊	Cu	65	33229.450	0.134	17.660401	0.165	0.934	ug/L
|	Zn	66	19088.999	0.077	18.534082	0.042	0.225	ug/L
⌊	Zn	68	13730.657	0.055	18.075375	0.249	1.376	ug/L
|>	Ge	72	246621.637	246621.637				ug/L
|	As	75	22012.464	0.089	16.971729	0.089	0.524	ug/L
⌊	Se	77	1792.576	0.007	17.106009	0.716	4.186	ug/L
⌊	Se	82	2184.460	0.009	16.513169	0.165	0.998	ug/L
⌈>	Rh	103	294023.386	294023.386				ug/L
⌈	Ag	107	130661.968	0.444	17.655069	0.083	0.470	ug/L
|	Cd	111	29918.683	0.102	17.093176	0.239	1.398	ug/L
⌊	Cd	114	69952.141	0.238	17.200459	0.250	1.452	ug/L
⌈>	In	115	239175.214	239175.214				ug/L
|	Sb	121	107924.013	0.451	18.217617	0.286	1.570	ug/L
⌊	Sb	123	81979.153	0.343	18.064985	0.323	1.785	ug/L
⌈	Tl	203	124799.841	0.380	17.258009	0.152	0.878	ug/L
⌈	Tl	205	298424.752	0.909	17.398864	0.326	1.872	ug/L
|	Pb	208	402593.583	1.225	17.326944	0.167	0.965	ug/L
⌊>	Bi	209	328278.175	328278.175				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.739
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
⌊	Cu	64.928	
|	Zn	65.926	
⌊	Zn	67.925	
|>	Ge	71.922	99.077
|	As	74.922	
⌊	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.486
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.224

: 00548

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.053

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Units
Li	6	342788.786	342788.786		ug/L
Be	9	3531.958	0.011	16.937539	ug/L
V	51	137161.619	0.543	17.487984	ug/L
Cu	63	71441.203	0.288	18.078106	ug/L
Cu	65	33669.032	0.136	17.748149	ug/L
Zn	66	19236.089	0.077	18.580884	ug/L
Zn	68	13808.083	0.054	17.613857	ug/L
Ge	72	247905.040	247905.040		ug/L
As	75	22248.841	0.090	17.086178	ug/L
Se	77	1723.225	0.006	16.296375	ug/L
Se	82	2175.918	0.009	19.388443	ug/L
Rh	103	280699.356	280699.356		ug/L
Ag	107	126277.680	0.448	17.873811	ug/L
Cd	111	30023.302	0.103	17.353448	ug/L
Cd	114	70148.411	0.241	17.449883	ug/L
In	115	240790.847	240790.847		ug/L
Sb	121	108744.756	0.443	17.898086	ug/L
Sb	123	80847.146	0.336	17.715980	ug/L
Tl	203	126897.026	0.391	17.313024	ug/L
Tl	205	297818.860	0.898	17.156448	ug/L
Pb	208	404043.082	1.215	17.182368	ug/L
Bi	209	332198.467	332198.467		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Units
Li	6	347201.594	347201.594		ug/L
Be	9	3483.888	0.010	16.088054	ug/L
V	51	132870.880	0.525	16.920886	ug/L
Cu	63	69806.012	0.281	17.677425	ug/L
Cu	65	33082.673	0.133	17.470104	ug/L
Zn	66	19185.924	0.077	18.521846	ug/L
Zn	68	13984.817	0.056	18.308814	ug/L
Ge	72	248041.684	248041.684		ug/L
As	75	22030.868	0.089	16.668306	ug/L
Se	77	1827.252	0.007	17.351654	ug/L
Se	82	2182.846	0.009	19.461536	ug/L
Rh	103	298142.240	298142.240		ug/L
Ag	107	132140.383	0.446	17.727056	ug/L
Cd	111	29768.077	0.101	16.983874	ug/L
Cd	114	70463.742	0.238	17.200852	ug/L
In	115	240238.808	240238.808		ug/L
Sb	121	108979.138	0.453	18.312802	ug/L
Sb	123	82633.934	0.344	18.128817	ug/L
Tl	203	123484.466	0.383	17.374430	ug/L
Tl	205	299662.384	0.828	17.788839	ug/L
Pb	208	399881.743	1.238	17.510142	ug/L
Bi	209	322628.476	322628.476		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Units
Li	6	349851.327	349851.327		ug/L
Be	9	3530.908	0.010	16.133388	ug/L
V	51	134739.092	0.542	17.456380	ug/L
Cu	63	69020.652	0.282	17.751278	ug/L
Cu	65	33056.645	0.135	17.762948	ug/L
Zn	66	18845.016	0.077	18.499948	ug/L
Zn	68	13801.073	0.056	18.103852	ug/L
Ge	72	243918.209	243918.209		ug/L
As	75	21758.266	0.089	16.961706	ug/L
Se	77	1827.252	0.007	17.868986	ug/L
Se	82	2184.618	0.009	19.481528	ug/L
Rh	103	295328.562	295328.562		ug/L
Ag	107	130567.843	0.442	17.564338	ug/L
Cd	111	29984.688	0.101	17.042207	ug/L
Cd	114	69247.288	0.234	16.950541	ug/L
In	115	236498.188	236498.188		ug/L
Sb	121	108048.148	0.467	18.443984	ug/L
Sb	123	82356.380	0.348	18.352048	ug/L
Tl	203	124218.026	0.378	17.086582	ug/L
Tl	205	297873.042	0.902	17.272204	ug/L
Pb	208	400856.914	1.222	17.298332	ug/L
Bi	209	330010.583	330010.583		ug/L

Sample ID: 1000901-BS2
Report Date/Time: Monday, February 22, 2010 14:49:51

Sample Information

Sample ID: 1002004-01
Autosampler Position: 19
Sample Date/Time: Monday, February 22, 2010 14:56:33
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002004-01.019
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	345985.924	345985.924				ug/L
⌊	Be	9	8.333	0.000	0.031172	0.005	17.556	ug/L
⌈	V	51	9146.047	0.027	0.865853	0.040	4.641	ug/L
|	Cu	63	5950.871	0.024	1.482444	0.037	2.476	ug/L
|	Cu	65	2813.249	0.011	1.460079	0.041	2.838	ug/L
|	Zn	66	7835.375	0.031	7.566783	0.061	0.806	ug/L
|	Zn	68	5886.150	0.023	7.583946	0.190	2.505	ug/L
|>	Ge	72	245688.060	245688.060				ug/L
|	As	75	3053.260	0.012	2.332227	0.056	2.411	ug/L
|	Se	77	136.336	0.000	0.103297	0.116	112.771	ug/L
⌊	Se	82	-41.048	0.000	0.138212	0.291	210.509	ug/L
⌈>	Rh	103	295621.738	295621.738				ug/L
|	Ag	107	114.002	0.000	0.013296	0.003	22.820	ug/L
|	Cd	111	39.188	0.000	0.021887	0.006	26.623	ug/L
⌊	Cd	114	92.980	0.000	0.020644	0.002	9.680	ug/L
⌈>	In	115	237361.567	237361.567				ug/L
|	Sb	121	1212.115	0.005	0.195641	0.008	4.249	ug/L
⌊	Sb	123	955.404	0.004	0.202933	0.005	2.627	ug/L
⌈	Tl	203	157.337	0.000	0.016256	0.002	12.723	ug/L
|	Tl	205	367.013	0.001	0.016296	0.000	1.295	ug/L
|	Pb	208	44575.843	0.133	1.888380	0.058	3.090	ug/L
⌊>	Bi	209	330081.774	330081.774				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.565
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.701
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.022
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.479

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.597

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	347300.220	347300.220		ug/L
Be	9	7.000	0.000	0.024872	ug/L
V	51	8952.382	0.026	0.820230	ug/L
Cu	63	5894.480	0.023	1.442087	ug/L
Cu	65	2774.567	0.011	1.413903	ug/L
Zn	66	7959.818	0.031	7.558469	ug/L
Zn	68	5856.486	0.022	7.405389	ug/L
Ge	72	249821.636	249821.636		ug/L
As	75	3086.182	0.012	2.301821	ug/L
Se	77	131.009	0.000	0.025180	ug/L
Se	82	-88.864	-0.000	-0.193039	ug/L
Rh	103	298748.413	298748.413		ug/L
Ag	107	108.002	0.000	0.012323	ug/L
Cd	111	30.366	0.000	0.018884	ug/L
Cd	114	102.637	0.000	0.022752	ug/L
In	115	234900.156	234900.156		ug/L
Sb	121	1234.119	0.006	0.201801	ug/L
Sb	123	968.823	0.004	0.207447	ug/L
Tl	203	157.003	0.000	0.015467	ug/L
Tl	205	376.014	0.001	0.016258	ug/L
Pb	208	44818.944	0.129	1.821014	ug/L
Bi	209	341484.023	341484.023		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	341842.087	341842.087		ug/L
Be	9	9.000	0.000	0.034744	ug/L
V	51	9356.519	0.028	0.866872	ug/L
Cu	63	5973.567	0.024	1.461456	ug/L
Cu	65	2870.808	0.011	1.464017	ug/L
Zn	66	7883.427	0.032	7.632282	ug/L
Zn	68	5854.487	0.023	7.557839	ug/L
Ge	72	245117.029	245117.029		ug/L
As	75	3129.809	0.013	2.397101	ug/L
Se	77	149.003	0.000	0.237188	ug/L
Se	82	-24.724	0.000	0.256296	ug/L
Rh	103	292623.551	292623.551		ug/L
Ag	107	138.003	0.000	0.016686	ug/L
Cd	111	49.798	0.000	0.028188	ug/L
Cd	114	91.029	0.000	0.020403	ug/L
In	115	241079.278	241079.278		ug/L
Sb	121	1252.122	0.006	0.199178	ug/L
Sb	123	943.894	0.004	0.197081	ug/L
Tl	203	173.004	0.000	0.018686	ug/L
Tl	205	388.013	0.001	0.016823	ug/L
Pb	208	45018.782	0.130	1.821447	ug/L
Bi	209	327492.547	327492.547		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348816.486	348816.486		ug/L
Be	9	9.000	0.000	0.033803	ug/L
V	51	9129.231	0.027	0.881387	ug/L
Cu	63	5894.568	0.024	1.513811	ug/L
Cu	65	2794.578	0.011	1.472319	ug/L
Zn	66	7883.185	0.031	7.511806	ug/L
Zn	68	5847.536	0.024	7.755609	ug/L
Ge	72	242031.616	242031.616		ug/L
As	75	2953.980	0.012	2.297688	ug/L
Se	77	129.002	0.000	0.047534	ug/L
Se	82	-11.486	0.000	0.352380	ug/L
Rh	103	295486.249	295486.249		ug/L
Ag	107	98.002	0.000	0.010888	ug/L
Cd	111	37.388	0.000	0.020840	ug/L
Cd	114	85.274	0.000	0.018777	ug/L
In	115	236106.266	236106.266		ug/L
Sb	121	1150.104	0.005	0.188148	ug/L
Sb	123	956.888	0.004	0.204302	ug/L
Tl	203	142.002	0.000	0.014882	ug/L
Tl	205	354.012	0.001	0.015108	ug/L
Pb	208	44189.823	0.136	1.922980	ug/L
Bi	209	321258.753	321258.753		ug/L

: 00551

Sample Information

Sample ID: 1000901-MS3
Autosampler Position: 20
Sample Date/Time: Monday, February 22, 2010 15:00:02
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1000901-MS3.020
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	348928.868	348928.868				ug/L
⌊	Be	9	3878.759	0.011	17.770209	0.293	1.647	ug/L
⌈	V	51	152694.144	0.608	19.576620	0.151	0.771	ug/L
|	Cu	63	79765.716	0.322	20.262058	0.071	0.348	ug/L
|	Cu	65	37765.620	0.153	20.043356	0.052	0.261	ug/L
|	Zn	66	23087.817	0.093	22.405009	0.197	0.881	ug/L
|	Zn	68	16975.651	0.068	22.391274	0.175	0.780	ug/L
|>	Ge	72	247030.953	247030.953				ug/L
|	As	75	26688.220	0.108	20.549525	0.223	1.085	ug/L
|	Se	77	1850.258	0.007	17.664245	0.181	1.026	ug/L
⌊	Se	82	2340.345	0.010	17.629484	0.337	1.910	ug/L
⌈>	Rh	103	293986.888	293986.888				ug/L
|	Ag	107	140431.598	0.478	18.978064	0.306	1.613	ug/L
|	Cd	111	32369.010	0.110	18.494186	0.320	1.732	ug/L
⌊	Cd	114	74818.682	0.254	18.398152	0.063	0.345	ug/L
⌈>	In	115	239254.060	239254.060				ug/L
|	Sb	121	110240.046	0.461	18.602141	0.144	0.772	ug/L
⌊	Sb	123	84522.360	0.353	18.621208	0.319	1.711	ug/L
⌈	Tl	203	135711.601	0.414	18.801663	0.113	0.601	ug/L
|	Tl	205	325332.831	0.993	19.003453	0.388	2.042	ug/L
|	Pb	208	474743.278	1.447	20.474665	0.302	1.477	ug/L
⌊>	Bi	209	327691.842	327691.842				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.378
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.241
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.474
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.256

A

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.876

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	350279.572	350279.572		ug/L
Be	9	3687.184	0.011	17.986308	ug/L
V	51	152608.241	0.611	19.686418	ug/L
Cu	63	79107.429	0.322	20.233436	ug/L
Cu	65	37481.467	0.152	20.029780	ug/L
Zn	66	23088.812	0.084	22.588202	ug/L
Zn	68	17004.398	0.068	22.586234	ug/L
Ge	72	245338.848	245338.848		ug/L
As	75	26298.871	0.107	20.389626	ug/L
Se	77	1846.287	0.007	17.743002	ug/L
Se	82	2273.841	0.010	17.246517	ug/L
Rh	103	294689.976	294689.976		ug/L
Ag	107	139783.086	0.471	18.710142	ug/L
Cd	111	31811.794	0.108	18.131980	ug/L
Cd	114	74908.984	0.254	18.376337	ug/L
In	115	242504.336	242504.336		ug/L
Sb	121	111870.351	0.461	18.622300	ug/L
Sb	123	84357.166	0.348	18.334335	ug/L
Tl	203	137494.070	0.412	18.883751	ug/L
Tl	205	324472.256	0.972	18.986468	ug/L
Pb	208	478548.847	1.432	20.281870	ug/L
Bi	209	333885.616	333885.616		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	347788.178	347788.178		ug/L
Be	9	3808.101	0.011	17.908388	ug/L
V	51	151666.942	0.602	19.406156	ug/L
Cu	63	80228.948	0.324	20.342430	ug/L
Cu	65	37943.883	0.153	20.101076	ug/L
Zn	66	23188.911	0.083	22.461244	ug/L
Zn	68	16801.161	0.067	22.249257	ug/L
Ge	72	247485.870	247485.870		ug/L
As	75	25613.159	0.107	20.454624	ug/L
Se	77	1866.282	0.007	17.782886	ug/L
Se	82	2379.681	0.010	17.987546	ug/L
Rh	103	293819.164	293819.164		ug/L
Ag	107	138918.467	0.476	18.912360	ug/L
Cd	111	32568.626	0.111	18.610338	ug/L
Cd	114	74598.815	0.254	18.348488	ug/L
In	115	240386.644	240386.644		ug/L
Sb	121	109848.310	0.457	18.449220	ug/L
Sb	123	84875.405	0.352	18.585089	ug/L
Tl	203	136824.886	0.414	18.782169	ug/L
Tl	205	326827.643	0.986	19.044249	ug/L
Pb	208	472612.307	1.439	20.363233	ug/L
Bi	209	329104.707	329104.707		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348717.858	348717.858		ug/L
Be	9	3803.080	0.011	17.433931	ug/L
V	51	153813.249	0.610	19.636291	ug/L
Cu	63	79980.886	0.321	20.210317	ug/L
Cu	65	37871.510	0.152	19.988271	ug/L
Zn	66	22978.130	0.082	22.185579	ug/L
Zn	68	17021.427	0.068	22.338341	ug/L
Ge	72	248268.340	248268.340		ug/L
As	75	27152.930	0.109	20.804324	ug/L
Se	77	1838.256	0.007	17.457047	ug/L
Se	82	2368.714	0.010	17.752360	ug/L
Rh	103	293351.524	293351.524		ug/L
Ag	107	142584.673	0.486	19.311701	ug/L
Cd	111	32726.609	0.112	18.740243	ug/L
Cd	114	74947.267	0.256	18.466631	ug/L
In	115	234881.200	234881.200		ug/L
Sb	121	109001.479	0.464	18.733802	ug/L
Sb	123	84524.508	0.360	18.984186	ug/L
Tl	203	133818.167	0.417	18.919079	ug/L
Tl	205	324988.391	1.012	19.388523	ug/L
Pb	208	473070.679	1.473	20.416882	ug/L
Bi	209	321066.203	321066.203		ug/L

: 00553

Sample Information

Sample ID: 1000901-MSD3
Autosampler Position: 21
Sample Date/Time: Monday, February 22, 2010 15:03:31
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1000901-MSD3.021
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	343241.837	343241.837				ug/L
⌊	Be	9	3817.725	0.011	17.786555	0.474	2.667	ug/L
⌈	V	51	149412.498	0.613	19.760055	0.208	1.053	ug/L
|	Cu	63	78166.495	0.326	20.480702	0.359	1.753	ug/L
|	Cu	65	36903.118	0.154	20.200649	0.190	0.940	ug/L
|	Zn	66	31711.892	0.132	31.788058	0.363	1.142	ug/L
|	Zn	68	22828.320	0.094	31.190093	0.646	2.070	ug/L
|>	Ge	72	239530.703	239530.703				ug/L
|	As	75	25996.286	0.108	20.646797	0.319	1.547	ug/L
|	Se	77	1777.906	0.007	17.496911	0.601	3.436	ug/L
⌊	Se	82	2258.010	0.010	17.545558	0.528	3.011	ug/L
⌈>	Rh	103	291707.414	291707.414				ug/L
|	Ag	107	134942.127	0.463	18.381063	0.319	1.738	ug/L
|	Cd	111	30982.662	0.106	17.845234	0.531	2.974	ug/L
⌊	Cd	114	72835.136	0.250	18.053035	0.273	1.510	ug/L
⌈>	In	115	233410.462	233410.462				ug/L
|	Sb	121	109863.275	0.470	19.004946	0.205	1.077	ug/L
⌊	Sb	123	84630.811	0.362	19.113187	0.319	1.671	ug/L
⌈	Tl	203	130184.058	0.405	18.371322	0.460	2.503	ug/L
|	Tl	205	316744.837	0.985	18.845621	0.597	3.166	ug/L
|	Pb	208	467021.693	1.450	20.514674	0.478	2.330	ug/L
⌊>	Bi	209	321804.260	321804.260				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.807
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.228
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	97.710
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	95.857

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.099

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	348076.887	348076.887		ug/L
Be	9	3762.028	0.011	17.277579	ug/L
V	51	149639.788	0.614	19.784821	ug/L
Cu	63	77884.167	0.324	20.402244	ug/L
Cu	65	36884.386	0.154	20.184698	ug/L
Zn	66	31443.370	0.131	31.508176	ug/L
Zn	68	22494.589	0.093	30.718770	ug/L
Ge	72	239681.019	239681.019		ug/L
As	75	26084.008	0.109	20.709841	ug/L
Se	77	1808.246	0.007	17.788398	ug/L
Se	82	2338.741	0.010	18.153188	ug/L
Rh	103	266861.974	266861.974		ug/L
Ag	107	135818.460	0.459	18.237802	ug/L
Cd	111	30434.368	0.103	17.276180	ug/L
Cd	114	72775.630	0.246	17.782297	ug/L
In	115	235025.584	235025.584		ug/L
Sb	121	110308.323	0.466	18.847799	ug/L
Sb	123	84840.689	0.360	18.866891	ug/L
Tl	203	132078.249	0.409	18.582748	ug/L
Tl	205	315380.671	0.977	18.705817	ug/L
Pb	208	466788.203	1.442	20.387888	ug/L
Bi	209	322849.380	322849.380		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	333748.328	333748.328		ug/L
Be	9	3803.050	0.011	18.216331	ug/L
V	51	148137.684	0.620	19.954701	ug/L
Cu	63	78753.552	0.332	20.672476	ug/L
Cu	65	36837.111	0.156	20.397948	ug/L
Zn	66	31753.737	0.134	32.198478	ug/L
Zn	68	23086.508	0.097	31.929165	ug/L
Ge	72	238777.606	238777.606		ug/L
As	75	26062.281	0.110	20.929917	ug/L
Se	77	1795.244	0.007	17.898734	ug/L
Se	82	2168.582	0.010	17.258774	ug/L
Rh	103	269913.724	269913.724		ug/L
Ag	107	135388.398	0.472	18.747108	ug/L
Cd	111	31310.913	0.109	18.330188	ug/L
Cd	114	72737.536	0.253	18.327284	ug/L
In	115	227879.998	227879.998		ug/L
Sb	121	108463.372	0.478	19.232122	ug/L
Sb	123	84158.481	0.368	19.480804	ug/L
Tl	203	129863.108	0.412	18.897418	ug/L
Tl	205	318984.851	1.018	19.496894	ug/L
Pb	208	466089.100	1.487	21.040281	ug/L
Bi	209	313008.208	313008.208		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	347902.498	347902.498		ug/L
Be	9	3808.087	0.011	17.886757	ug/L
V	51	149480.041	0.607	19.540841	ug/L
Cu	63	77851.737	0.321	20.167388	ug/L
Cu	65	36487.899	0.152	20.018333	ug/L
Zn	66	31939.508	0.131	31.656518	ug/L
Zn	68	22894.852	0.093	30.625343	ug/L
Ge	72	242233.284	242233.284		ug/L
As	75	25852.588	0.107	20.300634	ug/L
Se	77	1732.227	0.007	16.806808	ug/L
Se	82	2236.686	0.009	17.194732	ug/L
Rh	103	292346.548	292346.548		ug/L
Ag	107	133819.936	0.467	18.158277	ug/L
Cd	111	31202.878	0.107	17.927354	ug/L
Cd	114	72992.044	0.250	18.048663	ug/L
In	115	237626.806	237626.806		ug/L
Sb	121	110818.129	0.466	18.834927	ug/L
Sb	123	85192.254	0.358	18.901678	ug/L
Tl	203	129820.818	0.393	17.843801	ug/L
Tl	205	315886.988	0.958	18.331354	ug/L
Pb	208	466227.774	1.421	20.108068	ug/L
Bi	209	329758.181	329758.181		ug/L

: 00555

Sample Information

Sample ID: 0B22027-SRD1
Autosampler Position: 22
Sample Date/Time: Monday, February 22, 2010 15:07:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-SRD1.022
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	350218.856	350218.856				ug/L
	Be	9	2.000	0.000	0.001771	0.000	2.785	ug/L
	V	51	3560.865	0.004	0.136006	0.019	13.799	ug/L
	Cu	63	964.742	0.003	0.207435	0.011	5.418	ug/L
	Cu	65	462.020	0.002	0.203759	0.017	8.475	ug/L
	Zn	66	888.064	0.003	0.758068	0.043	5.684	ug/L
	Zn	68	816.055	0.002	0.761031	0.031	4.039	ug/L
>	Ge	72	244234.631	244234.631				ug/L
	As	75	634.788	0.002	0.459453	0.030	6.426	ug/L
	Se	77	133.336	0.000	0.080446	0.053	66.196	ug/L
	Se	82	-58.155	0.000	0.005761	0.081	1403.061	ug/L
>	Rh	103	292212.368	292212.368				ug/L
	Ag	107	382.348	0.001	0.049987	0.013	25.812	ug/L
	Cd	111	3.308	0.000	0.001476	0.003	181.611	ug/L
	Cd	114	23.264	0.000	0.003678	0.002	63.192	ug/L
>	In	115	236871.866	236871.866				ug/L
	Sb	121	352.346	0.001	0.049480	0.005	10.919	ug/L
	Sb	123	259.879	0.001	0.048500	0.002	4.048	ug/L
	Tl	203	51.001	0.000	0.001768	0.001	32.641	ug/L
	Tl	205	116.002	0.000	0.001870	0.000	9.919	ug/L
	Pb	208	8034.174	0.023	0.327897	0.005	1.382	ug/L
>	Bi	209	323790.042	323790.042				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	96.735
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.118
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	97.880
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	97.278

: 00556

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.698

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	352181.338	352181.338		ug/L
Be	9	2.000	0.000	0.001751	ug/L
V	51	3738.436	0.006	0.167529	ug/L
Cu	63	924.089	0.003	0.198177	ug/L
Cu	65	428.017	0.001	0.184632	ug/L
Zn	66	876.082	0.003	0.743086	ug/L
Zn	68	840.069	0.002	0.799870	ug/L
Ge	72	245068.283	245068.283		ug/L
As	75	583.212	0.002	0.425412	ug/L
Se	77	128.002	0.000	0.020621	ug/L
Se	82	-52.684	0.000	0.048134	ug/L
Rh	103	291231.336	291231.336		ug/L
Ag	107	486.021	0.002	0.084131	ug/L
Cd	111	2.072	-0.000	-0.001814	ug/L
Cd	114	29.929	0.000	0.004349	ug/L
In	115	236827.636	236827.636		ug/L
Sb	121	370.015	0.001	0.082468	ug/L
Sb	123	269.756	0.001	0.050888	ug/L
Tl	203	49.001	0.000	0.001412	ug/L
Tl	205	120.002	0.000	0.002034	ug/L
Pb	208	7997.842	0.023	0.322873	ug/L
Bi	209	327170.287	327170.287		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348370.506	348370.506		ug/L
Be	9	2.000	0.000	0.001819	ug/L
V	51	3488.862	0.004	0.123066	ug/L
Cu	63	1015.082	0.003	0.218656	ug/L
Cu	65	474.020	0.002	0.208446	ug/L
Zn	66	880.080	0.003	0.724488	ug/L
Zn	68	824.056	0.002	0.784631	ug/L
Ge	72	245883.931	245883.931		ug/L
As	75	663.182	0.003	0.478087	ug/L
Se	77	136.003	0.000	0.068468	ug/L
Se	82	-51.725	0.000	0.056584	ug/L
Rh	103	291067.458	291067.458		ug/L
Ag	107	358.013	0.001	0.048088	ug/L
Cd	111	5.663	0.000	0.002980	ug/L
Cd	114	30.918	0.000	0.006583	ug/L
In	115	235639.711	235639.711		ug/L
Sb	121	370.013	0.001	0.062730	ug/L
Sb	123	251.829	0.001	0.046887	ug/L
Tl	203	58.001	0.000	0.002434	ug/L
Tl	205	111.002	0.000	0.001889	ug/L
Pb	208	7985.786	0.023	0.330708	ug/L
Bi	209	319257.954	319257.954		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	350134.722	350134.722		ug/L
Be	9	2.000	0.000	0.001773	ug/L
V	51	3480.297	0.004	0.127438	ug/L
Cu	63	958.073	0.003	0.207474	ug/L
Cu	65	484.021	0.002	0.218201	ug/L
Zn	66	926.070	0.003	0.808652	ug/L
Zn	68	784.061	0.002	0.729592	ug/L
Ge	72	241761.700	241761.700		ug/L
As	75	647.969	0.002	0.474868	ug/L
Se	77	136.003	0.000	0.122349	ug/L
Se	82	-70.047	0.000	0.087448	ug/L
Rh	103	294348.309	294348.309		ug/L
Ag	107	303.008	0.001	0.038881	ug/L
Cu	111	6.313	0.000	0.003183	ug/L
Cd	114	12.946	0.000	0.001082	ug/L
In	115	237748.252	237748.252		ug/L
Sb	121	317.010	0.001	0.043243	ug/L
Sb	123	256.252	0.001	0.047828	ug/L
Tl	203	49.001	0.000	0.001458	ug/L
Tl	205	117.002	0.000	0.001908	ug/L
Pb	208	8118.898	0.023	0.330313	ug/L
Bi	209	324941.906	324941.906		ug/L

: 00557

Sample Information

Sample ID: 1000901-PS3
Autosampler Position: 23
Sample Date/Time: Monday, February 22, 2010 15:10:31
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1000901-PS3.023
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	350104.019	350104.019				ug/L
⌊	Be	9	3934.456	0.011	17.965563	0.230	1.278	ug/L
⌈	V	51	154505.979	0.625	20.134171	0.481	2.388	ug/L
|	Cu	63	80066.438	0.329	20.663128	0.417	2.019	ug/L
|	Cu	65	38336.326	0.157	20.669849	0.153	0.739	ug/L
|	Zn	66	22604.608	0.092	22.281705	0.175	0.787	ug/L
|	Zn	68	16551.990	0.067	22.173829	0.104	0.470	ug/L
|>	Ge	72	243179.845	243179.845				ug/L
|	As	75	27330.355	0.112	21.382442	0.555	2.594	ug/L
|	Se	77	1904.273	0.007	18.525759	0.338	1.824	ug/L
⌊	Se	82	2385.819	0.010	18.246861	0.922	5.053	ug/L
⌈>	Rh	103	297805.936	297805.936				ug/L
|	Ag	107	140895.851	0.473	18.799148	0.380	2.021	ug/L
|	Cd	111	32459.186	0.109	18.310155	0.331	1.809	ug/L
⌊	Cd	114	76138.089	0.256	18.482698	0.093	0.505	ug/L
⌈>	In	115	235124.141	235124.141				ug/L
|	Sb	121	107217.175	0.456	18.408944	0.239	1.296	ug/L
⌊	Sb	123	81274.151	0.345	18.216257	0.120	0.657	ug/L
⌈	Tl	203	138430.981	0.425	19.300493	0.389	2.014	ug/L
|	Tl	205	334363.577	1.027	19.649985	0.334	1.698	ug/L
|	Pb	208	481867.795	1.479	20.915889	0.614	2.936	ug/L
⌊>	Bi	209	325706.770	325706.770				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.703
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.694
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.753
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	96.560

: 00558

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.277

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	350218 683	350218 683		ug/L
Be	9	3892 099	0 011	17 765828	ug/L
V	51	157027 920	0 638	20 562760	ug/L
Cu	63	78259 103	0 327	20 546280	ug/L
Cu	65	37871 510	0 156	20 514182	ug/L
Zn	66	22618 983	0 093	22 400988	ug/L
Zn	68	16395 980	0 067	22 066139	ug/L
Ge	72	242060 232	242060 232		ug/L
As	75	27364 903	0 113	21 508714	ug/L
Se	77	1917 276	0 007	18 756165	ug/L
Se	82	2496 682	0 011	19 150988	ug/L
Rh	103	301980 888	301980 888		ug/L
Ag	107	140082 887	0 464	18 430022	ug/L
Cd	111	32239 683	0 107	17 931620	ug/L
Cd	114	77163 986	0 256	18 471908	ug/L
In	115	234247 287	234247 287		ug/L
Sb	121	108025 149	0 452	18 272186	ug/L
Sb	123	80366 526	0 343	18 078178	ug/L
Tl	203	139929 481	0 415	18 866281	ug/L
Tl	205	339857 328	1 017	19 489794	ug/L
Pb	208	481240 843	1 438	20 341843	ug/L
Bi	209	334288 742	334288 742		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348670 834	348670 834		ug/L
Be	9	3973 144	0 011	18 218474	ug/L
V	51	152079 306	0 609	19 814208	ug/L
Cu	63	79601.779	0 323	20 315343	ug/L
Cu	65	38724 071	0 157	20 875781	ug/L
Zn	66	22909 910	0 093	22 363788	ug/L
Zn	68	16788 875	0 067	22 274335	ug/L
Ge	72	245588 378	245588 378		ug/L
As	75	26820 086	0 109	20 775101	ug/L
Se	77	1938 282	0 007	18 584334	ug/L
Se	82	2282 758	0 010	17 307480	ug/L
Rh	103	294867 681	294867 681		ug/L
Ag	107	142417.181	0 483	19 189128	ug/L
Cd	111	32567 137	0 110	18 546282	ug/L
Cd	114	75786 788	0 257	18 580883	ug/L
In	115	236247 989	236247 989		ug/L
Sb	121	106819 338	0 452	18 270251	ug/L
Sb	123	81944 681	0 347	18 279454	ug/L
Tl	203	139287 333	0 428	19 418877	ug/L
Tl	205	331034 372	1 016	19 454808	ug/L
Pb	208	480298 846	1 473	20 842878	ug/L
Bi	209	325813 481	325813 481		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	351422 731	351422 731		ug/L
Be	9	3936 125	0 011	17 914388	ug/L
V	51	154410 711	0 628	20 225546	ug/L
Cu	63	81438 433	0 336	21.125781	ug/L
Cu	65	38413.397	0 156	20 819586	ug/L
Zn	66	22264 932	0 092	22 080368	ug/L
Zn	68	16471.134	0 067	22.181014	ug/L
Ge	72	241818 925	241818 925		ug/L
As	75	27802 078	0 115	21 862510	ug/L
Se	77	1857 280	0 007	18 137778	ug/L
Se	82	2378 816	0 010	18 282814	ug/L
Rh	103	296589 432	296589 432		ug/L
Ag	107	140177 504	0 473	18.776297	ug/L
Cd	111	32580 738	0 110	18.452582	ug/L
Cd	114	75484 813	0 254	18 396303	ug/L
In	115	234877.148	234877 148		ug/L
Sb	121	108707 037	0 463	18 684387	ug/L
Sb	123	81521 246	0 347	18 291138	ug/L
Tl	203	137076 146	0 432	19 816308	ug/L
Tl	205	332119 032	1 047	20 035252	ug/L
Pb	208	484065 694	1 524	21 563147	ug/L
Bi	209	317220 087	317220 087		ug/L

: 00559

Sample Information

Sample ID: 1002004-02
Autosampler Position: 24
Sample Date/Time: Monday, February 22, 2010 15:19:01
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002004-02.024
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	353683.952	353683.952				ug/L
[	Be	9	6.000	0.000	0.019737	0.012	60.084	ug/L
[	V	51	8877.799	0.025	0.812584	0.015	1.896	ug/L
[	Cu	63	3887.764	0.015	0.938870	0.018	1.947	ug/L
[	Cu	65	1825.251	0.007	0.916500	0.020	2.128	ug/L
[	Zn	66	5468.814	0.021	5.164025	0.046	0.886	ug/L
[	Zn	68	4229.628	0.016	5.264708	0.055	1.042	ug/L
[>	Ge	72	249497.549	249497.549				ug/L
[	As	75	645.712	0.002	0.457331	0.011	2.348	ug/L
[	Se	77	132.003	0.000	0.037831	0.060	157.479	ug/L
[	Se	82	-54.408	0.000	0.043540	0.108	248.738	ug/L
[>	Rh	103	302994.433	302994.433				ug/L
[	Ag	107	208.005	0.001	0.025239	0.002	7.737	ug/L
[	Cd	111	23.514	0.000	0.012601	0.003	24.162	ug/L
[	Cd	114	45.606	0.000	0.008764	0.004	47.730	ug/L
[>	In	115	238558.542	238558.542				ug/L
[	Sb	121	722.711	0.003	0.111741	0.005	4.766	ug/L
[	Sb	123	572.984	0.002	0.117303	0.006	5.165	ug/L
[	Tl	203	79.001	0.000	0.005606	0.002	38.068	ug/L
[	Tl	205	159.670	0.000	0.004394	0.001	27.069	ug/L
[	Pb	208	29015.751	0.087	1.235120	0.034	2.735	ug/L
[>	Bi	209	326337.609	326337.609				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	97.692
[	Be	9.012	
[	V	50.944	
[	Cu	62.930	
[	Cu	64.928	
[	Zn	65.926	
[	Zn	67.925	
[>	Ge	71.922	100.232
[	As	74.922	
[	Se	76.920	
[	Se	81.917	
[>	Rh	102.905	101.491
[	Ag	106.905	
[	Cd	110.904	
[	Cd	113.904	
[>	In	114.904	97.971

00560

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.467

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	358488.680	358488.680		ug/L
Be	9	8.000	0.000	0.028636	ug/L
V	51	6763.288	0.025	0.614749	ug/L
Cu	63	3847.074	0.015	0.943159	ug/L
Cu	65	1824.251	0.007	0.930312	ug/L
Zn	66	5426.114	0.022	5.201223	ug/L
Zn	68	4199.278	0.016	5.307683	ug/L
Ge	72	245807.381	245807.381		ug/L
As	75	643.360	0.002	0.462873	ug/L
Se	77	134.003	0.000	0.078301	ug/L
Se	82	-38.644	0.000	0.168646	ug/L
Rh	103	307056.970	307056.970		ug/L
Ag	107	207.008	0.001	0.024746	ug/L
Cd	111	27.811	0.000	0.014784	ug/L
Cd	114	65.707	0.000	0.013384	ug/L
In	115	238611.478	238611.478		ug/L
Sb	121	748.047	0.003	0.116238	ug/L
Sb	123	803.402	0.002	0.124046	ug/L
Tl	203	61.001	0.000	0.006808	ug/L
Tl	205	142.003	0.000	0.003141	ug/L
Pb	208	28835.744	0.086	1.196486	ug/L
Bi	209	334457.484	334457.484		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	352487.321	352487.321		ug/L
Be	9	3.000	0.000	0.006246	ug/L
V	51	9029.474	0.026	0.828790	ug/L
Cu	63	3830.088	0.015	0.918831	ug/L
Cu	65	1793.243	0.007	0.864190	ug/L
Zn	66	5447.131	0.021	5.112937	ug/L
Zn	68	4268.318	0.016	5.283479	ug/L
Ge	72	250823.780	250823.780		ug/L
As	75	633.148	0.002	0.444956	ug/L
Se	77	126.002	-0.000	-0.030580	ug/L
Se	82	-62.636	-0.000	-0.018088	ug/L
Rh	103	301080.625	301080.625		ug/L
Ag	107	223.008	0.001	0.027381	ug/L
Cd	111	25.636	0.000	0.013884	ug/L
Cd	114	40.842	0.000	0.007873	ug/L
In	115	237220.487	237220.487		ug/L
Sb	121	684.040	0.003	0.106886	ug/L
Sb	123	561.902	0.002	0.115547	ug/L
Tl	203	93.002	0.000	0.007738	ug/L
Tl	205	160.003	0.000	0.004536	ug/L
Pb	208	29157.246	0.089	1.259088	ug/L
Bi	209	321874.871	321874.871		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	362077.845	362077.845		ug/L
Be	9	7.000	0.000	0.024436	ug/L
V	51	8830.684	0.025	0.798212	ug/L
Cu	63	3986.152	0.015	0.954821	ug/L
Cu	65	1868.280	0.007	0.924999	ug/L
Zn	66	5533.198	0.021	5.177813	ug/L
Zn	68	4221.288	0.016	5.202983	ug/L
Ge	72	251781.508	251781.508		ug/L
As	75	680.641	0.002	0.464168	ug/L
Se	77	136.003	0.000	0.080770	ug/L
Se	82	-63.643	0.000	0.031841	ug/L
Rh	103	300866.703	300866.703		ug/L
Ag	107	194.008	0.001	0.023580	ug/L
Cd	111	17.098	0.000	0.009125	ug/L
Cd	114	30.470	0.000	0.005234	ug/L
In	115	239843.662	239843.662		ug/L
Sb	121	735.046	0.003	0.113124	ug/L
Sb	123	583.849	0.002	0.112316	ug/L
Tl	203	63.001	0.000	0.003471	ug/L
Tl	205	177.004	0.000	0.005507	ug/L
Pb	208	29064.264	0.088	1.249788	ug/L
Bi	209	322880.481	322880.481		ug/L

: 00561

Sample Information

Sample ID: 1002004-03
Autosampler Position: 25
Sample Date/Time: Monday, February 22, 2010 15:22:32
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002004-03.025
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	350260.497	350260.497				ug/L
⌊	Be	9	3.333	0.000	0.007821	0.011	144.925	ug/L
⌈	V	51	3902.708	0.005	0.167697	0.003	2.082	ug/L
|	Cu	63	2697.537	0.010	0.635446	0.025	3.868	ug/L
|	Cu	65	1236.453	0.005	0.603010	0.005	0.875	ug/L
|	Zn	66	2683.864	0.010	2.460926	0.068	2.744	ug/L
|	Zn	68	2226.369	0.008	2.592971	0.029	1.118	ug/L
|>	Ge	72	250766.114	250766.114				ug/L
|	As	75	396.060	0.001	0.265297	0.063	23.643	ug/L
|	Se	77	151.670	0.000	0.229438	0.037	16.160	ug/L
⌊	Se	82	-41.006	0.000	0.141954	0.112	79.120	ug/L
⌈>	Rh	103	296264.933	296264.933				ug/L
|	Ag	107	83.668	0.000	0.009180	0.000	1.645	ug/L
|	Cd	111	8.410	0.000	0.004349	0.002	57.074	ug/L
⌊	Cd	114	33.182	0.000	0.006017	0.003	41.831	ug/L
⌈>	In	115	236041.768	236041.768				ug/L
|	Sb	121	1036.086	0.004	0.166735	0.007	4.367	ug/L
⌊	Sb	123	820.969	0.003	0.174066	0.004	2.185	ug/L
⌈	Tl	203	39.334	0.000	0.000129	0.001	664.678	ug/L
|	Tl	205	97.002	0.000	0.000742	0.000	66.542	ug/L
|	Pb	208	6889.030	0.020	0.277463	0.005	1.884	ug/L
⌊>	Bi	209	324254.120	324254.120				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.746
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	100.741
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.237
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	96.937

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.838

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	361382.882	361382.882		ug/L
	Be	9	1.000	-0.000	-0.002811	ug/L
	V	51	3962.583	0.006	0.171386	ug/L
	Cu	63	2758.556	0.010	0.646564	ug/L
	Cu	65	1252.122	0.006	0.807716	ug/L
	Zn	66	2638.814	0.010	2.403567	ug/L
	Zn	68	2260.380	0.008	2.621911	ug/L
>	Ge	72	252118.785	252118.785		ug/L
	As	75	302.807	0.001	0.193010	ug/L
	Se	77	152.003	0.000	0.224534	ug/L
	Se	82	-58.733	0.000	0.015691	ug/L
>	Rh	103	297390.543	297390.543		ug/L
	Ag	107	85.001	0.000	0.006316	ug/L
	Cd	111	4.563	0.000	0.002188	ug/L
	Cd	114	21.543	0.000	0.003160	ug/L
>	In	115	238867.686	238867.686		ug/L
	Sb	121	909.080	0.004	0.158336	ug/L
	Sb	123	815.828	0.003	0.170767	ug/L
	Tl	203	33.000	-0.000	-0.000868	ug/L
	Tl	205	93.002	0.000	0.000387	ug/L
	Pb	208	6921.378	0.018	0.272623	ug/L
>	Bi	209	330711.938	330711.938		ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	345449.624	345449.624		ug/L
	Be	9	3.000	0.000	0.006626	ug/L
	V	51	3892.236	0.006	0.167258	ug/L
	Cu	63	2580.492	0.010	0.607276	ug/L
	Cu	65	1238.116	0.006	0.804018	ug/L
	Zn	66	2661.522	0.010	2.443881	ug/L
	Zn	68	2200.381	0.008	2.563836	ug/L
>	Ge	72	250317.033	250317.033		ug/L
	As	75	446.206	0.002	0.305336	ug/L
	Se	77	148.003	0.000	0.195068	ug/L
	Se	82	-35.664	0.000	0.179864	ug/L
>	Rh	103	294638.833	294638.833		ug/L
	Ag	107	82.001	0.000	0.006017	ug/L
	Cd	111	7.479	0.000	0.003844	ug/L
	Cd	114	40.562	0.000	0.007863	ug/L
>	In	115	235375.366	235375.366		ug/L
	Sb	121	1060.088	0.004	0.171307	ug/L
	Sb	123	814.922	0.003	0.173208	ug/L
	Tl	203	42.001	0.000	0.000877	ug/L
	Tl	205	92.002	0.000	0.000522	ug/L
	Pb	208	6922.384	0.020	0.283178	ug/L
>	Bi	209	319887.547	319887.547		ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	353988.975	353988.975		ug/L
	Be	9	6.000	0.000	0.019747	ug/L
	V	51	3983.338	0.006	0.184448	ug/L
	Cu	63	2755.588	0.010	0.652510	ug/L
	Cu	65	1221.117	0.006	0.587303	ug/L
	Zn	66	2751.557	0.011	2.536358	ug/L
	Zn	68	2218.387	0.008	2.583086	ug/L
>	Ge	72	249862.523	249862.523		ug/L
	As	75	437.169	0.002	0.297542	ug/L
	Se	77	155.003	0.000	0.258723	ug/L
	Se	82	-26.630	0.000	0.230408	ug/L
>	Rh	103	298768.323	298768.323		ug/L
	Ag	107	84.001	0.000	0.006208	ug/L
	Cd	111	13.187	0.000	0.007048	ug/L
	Cd	114	37.481	0.000	0.007037	ug/L
>	In	115	233892.254	233892.254		ug/L
	Sb	121	1049.088	0.004	0.170581	ug/L
	Sb	123	832.057	0.003	0.178226	ug/L
	Tl	203	43.001	0.000	0.000888	ug/L
	Tl	205	108.002	0.000	0.001308	ug/L
	Pb	208	6823.351	0.020	0.276288	ug/L
>	Bi	209	322362.878	322362.878		ug/L

: 00563

Sample Information

Sample ID: 1002004-04
Autosampler Position: 26
Sample Date/Time: Monday, February 22, 2010 15:26:02
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002004-04.026
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	355119.324	355119.324				ug/L
⌊	Be	9	7.333	0.000	0.025676	0.003	11.017	ug/L
⌈	V	51	8166.106	0.023	0.729919	0.005	0.694	ug/L
|	Cu	63	2119.669	0.008	0.498087	0.021	4.229	ug/L
|	Cu	65	967.075	0.004	0.468958	0.022	4.792	ug/L
|	Zn	66	4554.164	0.018	4.319091	0.060	1.399	ug/L
|	Zn	68	3559.256	0.013	4.417326	0.083	1.883	ug/L
|>	Ge	72	247326.823	247326.823				ug/L
|	As	75	496.989	0.002	0.346782	0.038	10.922	ug/L
|	Se	77	125.669	-0.000	-0.015316	0.106	693.057	ug/L
⌊	Se	82	-38.363	0.000	0.156117	0.172	110.040	ug/L
⌈>	Rh	103	302453.878	302453.878				ug/L
|	Ag	107	79.001	0.000	0.008341	0.001	6.898	ug/L
|	Cd	111	41.018	0.000	0.022367	0.003	14.838	ug/L
⌊	Cd	114	25.202	0.000	0.003941	0.001	19.562	ug/L
⌈>	In	115	234754.246	234754.246				ug/L
|	Sb	121	268.341	0.001	0.035556	0.006	17.105	ug/L
⌊	Sb	123	215.959	0.001	0.039158	0.001	1.720	ug/L
⌈	Tl	203	62.334	0.000	0.003294	0.002	52.261	ug/L
|	Tl	205	156.670	0.000	0.004210	0.000	6.502	ug/L
|	Pb	208	12468.349	0.037	0.517778	0.008	1.581	ug/L
⌊>	Bi	209	326137.368	326137.368				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	98.088
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.360
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	101.310
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	96.409

: 00564

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980 98.407

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	357668.188	357668.188		ug/L
	Be	9	7.000	0.000	0.023538	ug/L
	V	51	8280.816	0.023	0.731780	ug/L
	Cu	63	2065.316	0.008	0.475246	ug/L
	Cu	65	967.074	0.003	0.457423	ug/L
	Zn	66	4572.509	0.018	4.282867	ug/L
	Zn	68	3536.911	0.013	4.329436	ug/L
>	Ge	72	250370.872	250370.872		ug/L
	As	75	563.240	0.002	0.385204	ug/L
	Se	77	127.008	-0.000	-0.017658	ug/L
	Se	82	-27.779	0.000	0.236888	ug/L
>	Rh	103	303822.088	303822.088		ug/L
	Ag	107	80.001	0.000	0.008418	ug/L
	Cd	111	46.852	0.000	0.025479	ug/L
	Cd	114	26.782	0.000	0.004268	ug/L
>	In	115	735446.841	735446.841		ug/L
	Sb	121	260.007	0.001	0.033980	ug/L
	Sb	123	218.124	0.001	0.038728	ug/L
	Tl	203	81.001	0.000	0.002918	ug/L
	Tl	205	158.003	0.000	0.004140	ug/L
	Pb	208	12531.304	0.038	0.508388	ug/L
>	Bi	209	333604.408	333504.408		ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	352435.873	352438.873		ug/L
	Be	9	8.000	0.000	0.028849	ug/L
	V	51	8125.883	0.023	0.733818	ug/L
	Cu	63	2118.336	0.008	0.502288	ug/L
	Cu	65	932.070	0.003	0.464883	ug/L
	Zn	66	4481.480	0.018	4.285771	ug/L
	Zn	68	3536.811	0.013	4.427788	ug/L
>	Ge	72	246211.387	245211.387		ug/L
	As	75	444.394	0.002	0.309480	ug/L
	Se	77	135.003	0.000	0.081983	ug/L
	Se	82	-64.796	-0.000	-0.041187	ug/L
>	Rh	103	298493.146	298493.146		ug/L
	Ag	107	82.001	0.000	0.008875	ug/L
	Cd	111	43.180	0.000	0.022784	ug/L
	Cd	114	27.111	0.000	0.004478	ug/L
>	In	115	734488.701	234488.701		ug/L
	Sb	121	307.010	0.001	0.042268	ug/L
	Sb	123	216.502	0.001	0.038336	ug/L
	Tl	203	79.001	0.000	0.008173	ug/L
	Tl	205	151.003	0.000	0.003978	ug/L
	Pb	208	12498.408	0.037	0.523470	ug/L
>	Bi	209	322446.529	322446.529		ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	355262.611	355262.611		ug/L
	Be	9	7.000	0.000	0.024149	ug/L
	V	51	8091.808	0.023	0.724182	ug/L
	Cu	63	2195.356	0.008	0.516751	ug/L
	Cu	65	1012.082	0.004	0.494867	ug/L
	Zn	66	4608.632	0.018	4.388847	ug/L
	Zn	68	3803.946	0.014	4.494788	ug/L
>	Ge	72	246398.210	246398.210		ug/L
	As	75	493.332	0.002	0.345863	ug/L
	Se	77	115.002	0.000	0.120273	ug/L
	Se	82	-22.513	0.000	0.272540	ug/L
>	Rh	103	304946.398	304946.398		ug/L
	Ag	107	75.001	0.000	0.007732	ug/L
	Cd	111	35.022	0.000	0.018871	ug/L
	Cd	114	21.702	0.000	0.003058	ug/L
>	In	115	234324.198	234324.198		ug/L
	Sb	121	236.008	0.001	0.030411	ug/L
	Sb	123	212.250	0.001	0.038413	ug/L
	Tl	203	51.001	0.000	0.001793	ug/L
	Tl	205	160.003	0.000	0.004611	ug/L
	Pb	208	12414.338	0.037	0.521468	ug/L
>	Bi	209	322491.188	322491.188		ug/L

: 00565

Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 22, 2010 15:29:31
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.027
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	348940.181	348940.181				ug/L
⌊	Be	9	7660.850	0.022	35.106285	0.713	2.031	ug/L
⌈	V	51	279922.687	1.141	36.742988	0.875	2.383	ug/L
|	Cu	63	150345.500	0.617	38.826134	0.284	0.731	ug/L
|	Cu	65	72499.131	0.298	39.124573	0.134	0.343	ug/L
|	Zn	66	38806.872	0.159	38.334268	0.702	1.832	ug/L
|	Zn	68	28608.802	0.117	38.571344	0.226	0.585	ug/L
|>	Ge	72	243214.657	243214.657				ug/L
|	As	75	50723.406	0.208	39.705540	0.365	0.918	ug/L
|	Se	77	3822.728	0.015	38.504763	1.476	3.834	ug/L
⌊	Se	82	5031.009	0.021	37.975428	0.396	1.042	ug/L
⌈>	Rh	103	294599.085	294599.085				ug/L
|	Ag	107	284188.615	0.965	38.327450	0.195	0.510	ug/L
|	Cd	111	65220.431	0.221	37.187680	0.545	1.467	ug/L
⌊	Cd	114	154447.036	0.524	37.903258	0.427	1.126	ug/L
⌈>	In	115	237428.312	237428.312				ug/L
|	Sb	121	214346.362	0.903	36.461916	1.200	3.291	ug/L
⌊	Sb	123	164769.787	0.694	36.588365	1.133	3.096	ug/L
⌈	Tl	203	266331.923	0.833	37.818085	0.356	0.942	ug/L
|	Tl	205	646189.671	2.021	38.679124	0.306	0.792	ug/L
|	Pb	208	866474.650	2.708	38.311421	0.097	0.254	ug/L
⌊>	Bi	209	319743.359	319743.359				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.381
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.708
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.679
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.507

: 00566

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	96.477

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B22027-CCV	Be	9	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	351264.211	351264.211		ug/L
Be	9	7576.094	0.022	34.494846	ug/L
V	51	279846.138	1.129	38.346488	ug/L
Cu	63	152617.728	0.623	39.148310	ug/L
Cu	65	72766.813	0.297	39.003778	ug/L
Zn	66	39361.482	0.160	38.606898	ug/L
Zn	68	28716.887	0.116	38.464888	ug/L
Ge	72	244868.931	244868.931		ug/L
As	75	50640.688	0.206	38.283204	ug/L
Se	77	3696.983	0.015	38.917881	ug/L
Se	82	5048.232	0.021	37.850508	ug/L
Rh	103	294298.310	294298.310		ug/L
Ag	107	263632.488	0.984	38.290881	ug/L
Cd	111	66484.449	0.223	37.380433	ug/L
Cd	114	153539.436	0.522	37.717841	ug/L
In	115	239784.878	239784.878		ug/L
Sb	121	208580.643	0.870	35.128076	ug/L
Sb	123	160488.807	0.669	38.281187	ug/L
Tl	203	268879.563	0.839	38.083043	ug/L
Tl	205	650740.181	2.031	38.881681	ug/L
Pb	208	868986.131	2.711	38.352904	ug/L
Bi	209	320314.734	320314.734		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348129.154	348129.154		ug/L
Be	9	7606.124	0.022	34.934320	ug/L
V	51	278031.534	1.122	38.138003	ug/L
Cu	63	150277.871	0.616	38.717283	ug/L
Cu	65	72630.114	0.298	39.101012	ug/L
Zn	66	38060.689	0.156	37.535679	ug/L
Zn	68	28966.508	0.117	38.831337	ug/L
Ge	72	243798.145	243798.145		ug/L
As	75	51018.880	0.209	39.838446	ug/L
Se	77	3857.080	0.015	38.756147	ug/L
Se	82	5102.415	0.021	38.418446	ug/L
Rh	103	293430.678	293430.678		ug/L
Ag	107	264624.804	0.970	38.538578	ug/L
Cd	111	65703.298	0.224	37.610491	ug/L
Cd	114	155819.307	0.531	38.391226	ug/L
In	115	235752.587	235752.587		ug/L
Sb	121	214807.158	0.911	36.811019	ug/L
Sb	123	166369.238	0.706	37.199749	ug/L
Tl	203	266174.312	0.838	37.957936	ug/L
Tl	205	645918.585	2.029	38.629851	ug/L
Pb	208	864331.229	2.713	38.380828	ug/L
Bi	209	318373.784	318373.784		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	347427.177	347427.177		ug/L
Be	9	7798.333	0.023	35.899880	ug/L
V	51	284880.400	1.172	37.746482	ug/L
Cu	63	148140.900	0.614	38.612809	ug/L
Cu	65	72088.788	0.296	39.268829	ug/L
Zn	66	38975.436	0.161	38.857980	ug/L
Zn	68	28241.000	0.116	38.427828	ug/L
Ge	72	240978.896	240978.896		ug/L
As	75	50812.844	0.210	39.984870	ug/L
Se	77	3915.112	0.016	39.837290	ug/L
Se	82	4942.381	0.021	37.657327	ug/L
Rh	103	296088.288	296088.288		ug/L
Ag	107	264308.573	0.969	38.152792	ug/L
Cd	111	64483.587	0.219	36.572117	ug/L
Cd	114	153982.366	0.525	37.600608	ug/L
In	115	236747.474	236747.474		ug/L
Sb	121	219551.284	0.927	37.448652	ug/L
Sb	123	167450.319	0.707	37.284187	ug/L
Tl	203	264141.896	0.824	37.413278	ug/L
Tl	205	641910.247	2.002	38.326868	ug/L
Pb	208	856126.560	2.700	38.200432	ug/L
Bi	209	320641.580	320641.580		ug/L

: 00567

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 15:37:59
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.028
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	347476.587	347476.587				ug/L
⌊	Be	9	3.000	0.000	0.006460	0.008	123.799	ug/L
⌈	V	51	2337.559	-0.001	-0.026500	0.005	19.920	ug/L
|	Cu	63	168.670	0.000	0.002337	0.002	67.081	ug/L
|	Cu	65	81.335	-0.000	-0.001306	0.005	363.438	ug/L
|	Zn	66	137.336	0.000	0.016615	0.011	65.914	ug/L
|	Zn	68	265.008	0.000	0.013302	0.013	96.487	ug/L
|>	Ge	72	245194.086	245194.086				ug/L
|	As	75	25.946	-0.000	-0.015633	0.056	359.907	ug/L
|	Se	77	121.669	-0.000	-0.045839	0.153	333.869	ug/L
⌊	Se	82	-51.366	0.000	0.057889	0.049	84.129	ug/L
⌈>	Rh	103	296313.210	296313.210				ug/L
|	Ag	107	67.001	0.000	0.006938	0.001	12.127	ug/L
|	Cd	111	1.930	0.000	0.000670	0.001	217.073	ug/L
⌊	Cd	114	12.740	0.000	0.001024	0.001	74.551	ug/L
⌈>	In	115	237943.708	237943.708				ug/L
|	Sb	121	557.361	0.002	0.083971	0.005	6.002	ug/L
⌊	Sb	123	421.763	0.002	0.084099	0.004	4.462	ug/L
⌈	Tl	203	30.000	-0.000	-0.001148	0.001	96.837	ug/L
|	Tl	205	87.001	0.000	0.000203	0.000	179.910	ug/L
|	Pb	208	493.679	-0.000	-0.001381	0.001	82.713	ug/L
⌊>	Bi	209	321099.934	321099.934				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.977
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.503
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.253
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.718

: 00568

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

96.887

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	345842.994	345842.994		ug/L
	Be	9	4.000	0.000	0.011136	ug/L
	V	51	2341.662	-0.001	0.029478	ug/L
	Cu	63	166.004	0.000	0.001163	ug/L
	Cu	65	91.001	0.000	0.003342	ug/L
	Zn	66	126.002	0.000	0.003983	ug/L
	Zn	68	269.008	0.000	0.014581	ug/L
>	Ge	72	248018.893	248018.893		ug/L
	As	75	32.873	-0.000	0.010583	ug/L
	Se	77	123.002	-0.000	-0.046316	ug/L
	Se	82	44.623	0.000	0.111846	ug/L
>	Rh	103	299904.470	299904.470		ug/L
	Ag	107	75.001	0.000	0.007988	ug/L
	Cd	111	3.474	0.000	0.001528	ug/L
	Cd	114	11.188	0.000	0.000810	ug/L
>	In	115	240291.823	240291.823		ug/L
	Sb	121	597.031	0.002	0.088744	ug/L
	Sb	123	432.514	0.002	0.085586	ug/L
	Tl	203	36.000	-0.000	0.000383	ug/L
	Tl	205	82.001	-0.000	0.000180	ug/L
	Pb	208	500.012	-0.000	0.001387	ug/L
>	Bi	209	325241.073	325241.073		ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	347990.842	347990.842		ug/L
	Be	9	4.000	0.000	0.011021	ug/L
	V	51	2295.504	-0.001	-0.029519	ug/L
	Cu	63	165.004	0.000	0.001730	ug/L
	Cu	65	81.001	-0.000	0.001114	ug/L
	Zn	66	142.003	0.000	0.022246	ug/L
	Zn	68	263.007	0.000	0.000129	ug/L
>	Ge	72	243244.813	243244.813		ug/L
	As	75	94.198	0.000	0.037941	ug/L
	Se	77	106.002	-0.000	0.198643	ug/L
	Se	82	52.772	0.000	0.044840	ug/L
>	Rh	103	294364.978	294364.978		ug/L
	Ag	107	84.001	0.000	0.008508	ug/L
	Cd	111	3.364	0.000	0.001494	ug/L
	Cd	114	16.253	0.000	0.001904	ug/L
>	In	115	237558.751	237558.751		ug/L
	Sb	121	543.026	0.002	0.081718	ug/L
	Sb	123	433.640	0.002	0.086801	ug/L
	Tl	203	33.000	0.000	-0.000861	ug/L
	Tl	205	92.002	0.000	0.000671	ug/L
	Pb	208	513.013	-0.000	0.000235	ug/L
>	Bi	209	316810.798	316810.798		ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	348586.128	348586.128		ug/L
	Be	9	1.000	-0.000	-0.002775	ug/L
	V	51	2375.520	-0.001	0.020408	ug/L
	Cu	63	175.004	0.000	0.004117	ug/L
	Cu	65	72.001	-0.000	-0.008147	ug/L
	Zn	66	144.003	0.000	0.023802	ug/L
	Zn	68	273.008	0.000	0.025443	ug/L
>	Ge	72	244318.552	244318.552		ug/L
	As	75	49.232	0.000	0.074245	ug/L
	Se	77	136.003	0.000	0.107442	ug/L
	Se	82	58.702	0.000	0.017183	ug/L
>	Rh	103	294670.184	294670.184		ug/L
	Ag	107	62.001	0.000	0.006318	ug/L
	Cd	111	-1.038	0.000	-0.001010	ug/L
	Cd	114	10.779	0.000	0.000557	ug/L
>	In	115	235980.481	235980.481		ug/L
	Sb	121	532.026	0.002	0.080481	ug/L
	Sb	123	399.134	0.002	0.079835	ug/L
	Tl	203	21.000	-0.000	0.002420	ug/L
	Tl	205	87.001	0.000	0.000198	ug/L
	Pb	208	468.011	0.000	0.002520	ug/L
>	Bi	209	321147.931	321147.931		ug/L

: 00569

Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 22, 2010 21:19:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.087
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	342373.183	342373.183				ug/L
	Be	9	8041.272	0.023	37.554674	0.591	1.575	ug/L
	V	51	281184.230	1.154	37.161064	0.345	0.930	ug/L
	Cu	63	150069.922	0.621	39.022197	0.293	0.750	ug/L
	Cu	65	71662.742	0.296	38.937185	0.180	0.462	ug/L
	Zn	66	38602.081	0.159	38.391591	0.226	0.588	ug/L
	Zn	68	28160.351	0.116	38.224438	0.379	0.991	ug/L
>	Ge	72	241561.790	241561.790				ug/L
	As	75	49377.822	0.204	38.914726	0.503	1.294	ug/L
	Se	77	3734.680	0.015	37.847568	0.635	1.677	ug/L
	Se	82	4883.029	0.020	37.122159	0.343	0.924	ug/L
>	Rh	103	294205.040	294205.040				ug/L
	Ag	107	286079.993	0.972	38.634933	0.357	0.925	ug/L
	Cd	111	65404.648	0.222	37.343281	0.614	1.644	ug/L
	Cd	114	154983.643	0.527	38.085655	0.489	1.284	ug/L
>	In	115	235620.107	235620.107				ug/L
	Sb	121	212982.111	0.904	36.501949	1.166	3.193	ug/L
	Sb	123	162323.013	0.689	36.315453	0.873	2.404	ug/L
	Tl	203	269612.597	0.833	37.817972	0.450	1.191	ug/L
	Tl	205	652619.082	2.016	38.591770	0.778	2.016	ug/L
	Pb	208	864428.971	2.669	37.758380	0.666	1.763	ug/L
>	Bi	209	323726.077	323726.077				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	94.567
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.044
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.547
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	96.764

: 00570

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.679

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342601.208	342601.208		ug/L
Be	9	7900.446	0.023	36.872011	ug/L
V	51	279681.329	1.144	36.634127	ug/L
Cu	63	149816.125	0.616	36.760008	ug/L
Cu	65	71498.778	0.295	36.730275	ug/L
Zn	66	38537.082	0.158	36.210818	ug/L
Zn	68	27927.789	0.114	37.789798	ug/L
Ge	72	242293.289	242293.289		ug/L
As	75	49647.393	0.204	36.630114	ug/L
Se	77	3717.004	0.015	37.543726	ug/L
Se	82	4846.341	0.020	36.738108	ug/L
Rh	103	293460.883	293460.883		ug/L
Ag	107	287471.497	0.980	36.920038	ug/L
Cd	111	65983.411	0.225	37.769975	ug/L
Cd	114	156879.981	0.535	36.646589	ug/L
In	115	235677.627	235677.627		ug/L
Sb	121	205371.607	0.872	35.203286	ug/L
Sb	123	158026.771	0.671	35.380178	ug/L
Tl	203	271881.386	0.824	37.368737	ug/L
Tl	205	650046.317	1.969	37.693228	ug/L
Pb	208	884297.256	2.617	37.019810	ug/L
Bi	209	330081.873	330081.873		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344374.521	344374.521		ug/L
Be	9	8158.739	0.024	37.861610	ug/L
V	51	283129.087	1.165	37.622433	ug/L
Cu	63	150874.263	0.626	39.337839	ug/L
Cu	65	71831.082	0.297	39.025852	ug/L
Zn	66	38425.462	0.159	38.319618	ug/L
Zn	68	28211.886	0.116	38.398489	ug/L
Ge	72	240908.514	240908.514		ug/L
As	75	49870.869	0.207	39.410277	ug/L
Se	77	3784.048	0.015	38.577120	ug/L
Se	82	4865.204	0.021	37.237803	ug/L
Rh	103	293024.500	293024.500		ug/L
Ag	107	289795.185	0.975	38.750701	ug/L
Cd	111	65636.380	0.224	37.623708	ug/L
Cd	114	153377.983	0.523	37.842073	ug/L
In	115	238058.089	238058.089		ug/L
Sb	121	215388.278	0.912	36.845184	ug/L
Sb	123	163516.581	0.693	36.514258	ug/L
Tl	203	268808.904	0.832	37.780983	ug/L
Tl	205	658808.808	2.040	39.041377	ug/L
Pb	208	898824.060	2.682	37.944879	ug/L
Bi	209	322958.821	322958.821		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	340143.820	340143.820		ug/L
Be	9	8084.631	0.024	37.910402	ug/L
V	51	280842.292	1.153	37.129633	ug/L
Cu	63	149819.385	0.620	38.988748	ug/L
Cu	65	71858.380	0.297	39.056826	ug/L
Zn	66	38043.718	0.160	38.644738	ug/L
Zn	68	28341.398	0.116	38.484021	ug/L
Ge	72	241485.589	241485.589		ug/L
As	75	48715.206	0.202	38.403788	ug/L
Se	77	3692.981	0.015	37.421858	ug/L
Se	82	4917.542	0.021	37.792589	ug/L
Rh	103	296129.737	296129.737		ug/L
Ag	107	284973.298	0.962	38.234081	ug/L
Cd	111	64586.171	0.218	36.628182	ug/L
Cd	114	154683.008	0.522	37.786306	ug/L
In	115	235223.804	235223.804		ug/L
Sb	121	216188.452	0.927	37.457298	ug/L
Sb	123	165425.888	0.703	37.071824	ug/L
Tl	203	268349.493	0.843	38.294187	ug/L
Tl	205	649001.119	2.040	39.040709	ug/L
Pb	208	862165.610	2.708	38.310750	ug/L
Bi	209	318157.436	318157.436		ug/L

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 21:28:16
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.088
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	338951.332	338951.332				ug/L
	Be	9	0.667	-0.000	-0.004253	0.005	126.601	ug/L
	V	51	2312.572	-0.001	-0.025156	0.005	18.443	ug/L
	Cu	63	188.004	0.000	0.008027	0.003	39.121	ug/L
	Cu	65	96.668	0.000	0.007729	0.004	47.909	ug/L
	Zn	66	154.003	0.000	0.035258	0.015	42.796	ug/L
	Zn	68	297.009	0.000	0.062658	0.021	34.278	ug/L
>	Ge	72	241504.906	241504.906				ug/L
	As	75	-32.096	-0.000	-0.061156	0.020	33.177	ug/L
	Se	77	118.669	-0.000	-0.057925	0.087	150.203	ug/L
	Se	82	-40.039	0.000	0.137414	0.116	84.108	ug/L
>	Rh	103	293677.019	293677.019				ug/L
	Ag	107	56.334	0.000	0.005582	0.001	10.605	ug/L
	Cd	111	3.907	0.000	0.001823	0.002	113.063	ug/L
	Cd	114	11.870	0.000	0.000833	0.001	81.749	ug/L
>	In	115	235685.854	235685.854				ug/L
	Sb	121	558.028	0.002	0.084946	0.009	10.030	ug/L
	Sb	123	410.969	0.002	0.082545	0.005	6.480	ug/L
	Tl	203	35.334	-0.000	-0.000340	0.001	317.404	ug/L
	Tl	205	78.335	-0.000	-0.000272	0.000	140.445	ug/L
	Pb	208	1584.417	0.003	0.047387	0.010	20.762	ug/L
>	Bi	209	318255.326	318255.326				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	93.622
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.021
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.370
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	96.791

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	96.028

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	333929.802	333929.802		ug/L
Be	9	0.000	-0.000	-0.007382	ug/L
V	51	2328.126	-0.001	-0.023013	ug/L
Cu	63	200.006	0.000	0.011229	ug/L
Cu	65	96.002	0.000	0.006898	ug/L
Zn	66	181.003	0.000	0.042402	ug/L
Zn	68	299.008	0.000	0.069983	ug/L
Ge	72	241143.308	241143.308		ug/L
As	75	-43.257	-0.000	-0.070030	ug/L
Se	77	124.002	-0.000	-0.000010	ug/L
Se	82	57.412	0.000	0.006296	ug/L
Rh	103	292104.954	292104.954		ug/L
Ag	107	61.001	0.000	0.006257	ug/L
Cd	111	7.978	0.000	0.004168	ug/L
Cd	114	13.051	0.000	0.001143	ug/L
In	115	239827.063	239827.063		ug/L
Sb	121	819.033	0.002	0.093732	ug/L
Sb	123	444.137	0.002	0.088380	ug/L
Tl	203	27.000	-0.000	-0.001577	ug/L
Tl	205	72.001	-0.000	-0.000701	ug/L
Pb	208	1407.088	0.003	0.039760	ug/L
Bi	209	321582.863	321582.863		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	339981.351	339981.351		ug/L
Be	9	0.000	-0.000	-0.007382	ug/L
V	51	2342.467	-0.001	-0.021975	ug/L
Cu	63	188.004	0.000	0.007899	ug/L
Cu	65	91.001	0.000	0.004614	ug/L
Zn	66	137.003	0.000	0.017917	ug/L
Zn	68	261.008	0.000	0.039711	ug/L
Ge	72	242132.987	242132.987		ug/L
As	75	50.381	-0.000	-0.075496	ug/L
Se	77	123.002	-0.000	-0.015790	ug/L
Se	82	34.278	0.000	0.181442	ug/L
Rh	103	292931.811	292931.811		ug/L
Ag	107	53.001	0.000	0.005148	ug/L
Cd	111	2.474	0.000	0.000999	ug/L
Cd	114	8.670	0.000	0.000052	ug/L
In	115	233853.098	233853.098		ug/L
Sb	121	550.027	0.002	0.064389	ug/L
Sb	123	402.386	0.002	0.081380	ug/L
Tl	203	39.000	0.000	0.000138	ug/L
Tl	205	81.001	-0.000	-0.000147	ug/L
Pb	208	1550.079	0.003	0.045298	ug/L
Bi	209	320421.381	320421.381		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	342943.043	342943.043		ug/L
Be	9	2.000	0.000	0.001984	ug/L
V	51	2270.123	-0.001	-0.030478	ug/L
Cu	63	178.004	0.000	0.004952	ug/L
Cu	65	104.002	0.000	0.011778	ug/L
Zn	66	164.004	0.000	0.045398	ug/L
Zn	68	311.010	0.000	0.082280	ug/L
Ge	72	241238.442	241238.442		ug/L
As	75	2.849	-0.000	-0.037941	ug/L
Se	77	109.002	-0.000	-0.157975	ug/L
Se	82	26.427	0.000	0.224508	ug/L
Rh	103	295994.292	295994.292		ug/L
Ag	107	55.001	0.000	0.005342	ug/L
Cd	111	1.269	0.000	0.000301	ug/L
Cd	114	13.888	0.000	0.001308	ug/L
In	115	233577.400	233577.400		ug/L
Sb	121	505.023	0.002	0.076718	ug/L
Sb	123	386.386	0.001	0.077873	ug/L
Tl	203	40.001	0.000	0.000418	ug/L
Tl	205	82.001	0.000	0.000032	ug/L
Pb	208	1798.106	0.004	0.058102	ug/L
Bi	209	312761.754	312761.754		ug/L

00573

Sample Information

Sample ID: 1001399-BLK2
Autosampler Position: 75
Sample Date/Time: Monday, February 22, 2010 21:37:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001399-BLK2.089
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	342540.254	342540.254				ug/L
⌊	Be	9	0.667	-0.000	-0.004286	0.005	124.323	ug/L
⌈	V	51	2539.271	0.000	0.000611	0.003	562.565	ug/L
|	Cu	63	556.694	0.002	0.102113	0.003	3.171	ug/L
|	Cu	65	251.340	0.001	0.090129	0.013	14.817	ug/L
|	Zn	66	1932.281	0.007	1.784349	0.031	1.731	ug/L
|	Zn	68	1531.513	0.005	1.726272	0.057	3.280	ug/L
|>	Ge	72	244736.628	244736.628				ug/L
|	As	75	-30.208	-0.000	-0.059284	0.022	36.277	ug/L
|	Se	77	122.669	-0.000	-0.032348	0.184	567.555	ug/L
⌊	Se	82	-62.222	-0.000	-0.023790	0.171	720.759	ug/L
⌈>	Rh	103	298124.531	298124.531				ug/L
|	Ag	107	35.000	0.000	0.002621	0.001	21.715	ug/L
|	Cd	111	2.495	0.000	0.000985	0.002	228.713	ug/L
⌊	Cd	114	6.579	-0.000	-0.000489	0.000	93.898	ug/L
⌈>	In	115	238834.789	238834.789				ug/L
|	Sb	121	246.007	0.001	0.030999	0.001	4.121	ug/L
⌊	Sb	123	209.376	0.001	0.036903	0.003	7.664	ug/L
⌈	Tl	203	19.334	-0.000	-0.002707	0.001	41.011	ug/L
|	Tl	205	61.334	-0.000	-0.001380	0.000	18.339	ug/L
|	Pb	208	1294.726	0.002	0.033229	0.003	8.922	ug/L
⌊>	Bi	209	325199.491	325199.491				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.614
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.319
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.860
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.084

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.124

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	340183.088	340183.088		ug/L
	Be	9	0.000	-0.000	-0.007382	ug/L
	V	51	2571.743	0.000	0.002570	ug/L
	Cu	63	547.028	0.002	0.098868	ug/L
	Cu	65	235.008	0.001	0.080442	ug/L
	Zn	66	1808.274	0.007	1.748711	ug/L
	Zn	68	1496.171	0.006	1.663133	ug/L
>	Ge	72	246422.010	246422.010		ug/L
	As	75	-62.410	-0.000	-0.084108	ug/L
	Se	77	104.002	0.000	-0.233423	ug/L
	Se	82	40.372	0.000	0.141034	ug/L
>	Rh	103	298122.119	298122.119		ug/L
	Ag	107	31.000	0.000	0.002081	ug/L
	Cd	111	2.098	-0.000	-0.001800	ug/L
	Cd	114	8.018	0.000	-0.000143	ug/L
>	In	115	236336.656	236336.656		ug/L
	Sb	121	252.007	0.001	0.052464	ug/L
	Sb	123	220.628	0.001	0.036875	ug/L
	Tl	203	26.000	-0.000	-0.001838	ug/L
	Tl	205	66.001	-0.000	-0.001188	ug/L
	Pb	208	1260.056	0.002	0.031338	ug/L
>	Bi	209	332414.308	332414.308		ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	340884.533	340884.533		ug/L
	Be	9	0.000	-0.000	0.007382	ug/L
	V	51	2506.036	-0.000	-0.003357	ug/L
	Cu	63	568.028	0.002	0.106078	ug/L
	Cu	65	241.008	0.001	0.084563	ug/L
	Zn	66	1648.286	0.007	1.600811	ug/L
	Zn	68	1566.187	0.006	1.772518	ug/L
>	Ge	72	244630.980	244630.980		ug/L
	As	75	-13.380	-0.000	-0.046271	ug/L
	Se	77	136.003	0.000	0.128344	ug/L
	Se	82	40.800	-0.000	-0.011198	ug/L
>	Rh	103	301987.746	301987.746		ug/L
	Ag	107	40.001	0.000	0.003223	ug/L
	Cd	111	5.288	0.000	0.002522	ug/L
	Cd	114	4.501	-0.000	-0.001010	ug/L
>	In	115	238892.297	238892.297		ug/L
	Sb	121	241.008	0.001	0.050478	ug/L
	Sb	123	208.378	0.001	0.035868	ug/L
	Tl	203	22.000	-0.000	-0.002328	ug/L
	Tl	205	63.001	-0.000	-0.001269	ug/L
	Pb	208	1264.058	0.002	0.031702	ug/L
>	Bi	209	328082.156	328082.156		ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	346573.144	346573.144		ug/L
	Be	9	2.000	0.000	0.001887	ug/L
	V	51	2538.038	0.000	0.002619	ug/L
	Cu	63	555.027	0.002	0.102801	ug/L
	Cu	65	278.008	0.001	0.105383	ug/L
	Zn	66	1939.263	0.007	1.803824	ug/L
	Zn	68	1534.180	0.006	1.743163	ug/L
>	Ge	72	243156.893	243156.893		ug/L
	As	75	-14.834	-0.000	-0.047473	ug/L
	Se	77	126.002	0.000	0.010038	ug/L
	Se	82	86.698	-0.000	-0.201208	ug/L
>	Rh	103	294283.727	294283.727		ug/L
	Ag	107	34.000	0.000	0.002560	ug/L
	Cd	111	4.294	0.000	0.002031	ug/L
	Cd	114	7.218	-0.000	0.000314	ug/L
>	In	115	243273.416	243273.416		ug/L
	Sb	121	245.007	0.001	0.030084	ug/L
	Sb	123	201.124	0.001	0.034246	ug/L
	Tl	203	10.000	-0.000	0.003987	ug/L
	Tl	205	55.001	0.000	-0.001888	ug/L
	Pb	208	1340.063	0.003	0.036648	ug/L
>	Bi	209	317102.013	317102.013		ug/L

: 00575

Sample Information

Sample ID: 1001399-BS2
Autosampler Position: 76
Sample Date/Time: Monday, February 22, 2010 21:41:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001399-BS2.090
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	345637.878	345637.878				ug/L
⌊	Be	9	3816.724	0.011	17.653892	0.305	1.728	ug/L
⌈	V	51	142986.957	0.570	18.375521	0.333	1.815	ug/L
|	Cu	63	74935.130	0.304	19.099081	0.353	1.846	ug/L
|	Cu	65	35665.510	0.145	18.991760	0.209	1.100	ug/L
|	Zn	66	19294.888	0.078	18.767948	0.202	1.076	ug/L
|	Zn	68	14118.749	0.056	18.628222	0.095	0.509	ug/L
|>	Ge	72	246194.875	246194.875				ug/L
|	As	75	23307.957	0.094	18.003502	0.263	1.463	ug/L
|	Se	77	1819.584	0.007	17.413381	0.766	4.399	ug/L
⌊	Se	82	2293.345	0.010	17.342004	0.133	0.767	ug/L
⌈>	Rh	103	296598.401	296598.401				ug/L
|	Ag	107	138946.963	0.468	18.612378	0.310	1.667	ug/L
|	Cd	111	31415.278	0.106	17.791717	0.248	1.395	ug/L
⌊	Cd	114	73435.062	0.248	17.898933	0.069	0.385	ug/L
⌈>	In	115	238755.932	238755.932				ug/L
|	Sb	121	107420.600	0.450	18.168798	0.553	3.043	ug/L
⌊	Sb	123	82887.726	0.347	18.303988	0.727	3.972	ug/L
⌈	Tl	203	134417.002	0.405	18.383110	0.222	1.208	ug/L
|	Tl	205	319735.839	0.963	18.434343	0.337	1.831	ug/L
|	Pb	208	429679.443	1.293	18.289965	0.328	1.791	ug/L
⌊>	Bi	209	331955.407	331955.407				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.469
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.905
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.349
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.052

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.162

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	351474.172	351474.172		ug/L
	Be	9	3686.081	0.011	17.582103	ug/L
	V	51	141986.038	0.561	18.080793	ug/L
	Cu	63	74003.113	0.297	18.693073	ug/L
	Cu	65	35878.744	0.143	18.777388	ug/L
	Zn	66	19448.638	0.078	18.751213	ug/L
	Zn	68	14325.494	0.057	18.737256	ug/L
>	Ge	72	248379.084	248379.084		ug/L
	As	75	23541.444	0.095	18.024412	ug/L
	Se	77	1801.248	0.007	17.081178	ug/L
	Se	82	2330.986	0.010	17.466014	ug/L
>	Rh	103	297388.576	297388.576		ug/L
	Ag	107	136738.731	0.460	18.268210	ug/L
	Cd	111	31398.785	0.106	17.738043	ug/L
	Cd	114	73826.870	0.248	17.947817	ug/L
>	In	115	242980.884	242980.884		ug/L
	Sb	121	105818.727	0.434	17.530880	ug/L
	Sb	123	80758.031	0.332	17.515394	ug/L
	Tl	203	135422.026	0.406	18.367883	ug/L
	Tl	205	317409.218	0.946	18.148108	ug/L
	Pb	208	426878.911	1.274	18.023740	ug/L
>	Bi	209	334688.844	334688.844		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	341990.977	341990.977		ug/L
	Be	9	3860.076	0.011	17.998806	ug/L
	V	51	144841.567	0.582	18.737491	ug/L
	Cu	63	75153.037	0.307	19.275428	ug/L
	Cu	65	35818.942	0.148	19.194560	ug/L
	Zn	66	18978.383	0.077	18.574854	ug/L
	Zn	68	13981.811	0.056	18.564673	ug/L
>	Ge	72	244634.084	244634.084		ug/L
	As	75	22808.948	0.093	17.730337	ug/L
	Se	77	1757.234	0.007	16.666740	ug/L
	Se	82	2260.088	0.009	17.203807	ug/L
>	Rh	103	297842.819	297842.819		ug/L
	Ag	107	140179.543	0.471	18.698278	ug/L
	Cd	111	31166.336	0.105	17.576027	ug/L
	Cd	114	73419.074	0.246	17.820125	ug/L
>	In	115	234624.651	234624.651		ug/L
	Sb	121	107576.098	0.458	18.509802	ug/L
	Sb	123	84364.011	0.358	18.947437	ug/L
	Tl	203	133848.082	0.400	18.169099	ug/L
	Tl	205	320172.587	0.958	18.348478	ug/L
	Pb	208	429828.404	1.286	18.190411	ug/L
>	Bi	209	333914.940	333914.940		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	343448.485	343448.485		ug/L
	Be	9	3741.017	0.011	17.412687	ug/L
	V	51	142124.270	0.568	18.308278	ug/L
	Cu	63	75849.238	0.307	19.328744	ug/L
	Cu	65	35568.844	0.145	19.003341	ug/L
	Zn	66	19459.668	0.079	18.977776	ug/L
	Zn	68	14048.943	0.056	18.582838	ug/L
>	Ge	72	245671.448	245671.448		ug/L
	As	75	23573.483	0.096	18.256757	ug/L
	Se	77	1800.272	0.007	18.292225	ug/L
	Se	82	2288.983	0.010	17.353191	ug/L
>	Rh	103	294568.808	294568.808		ug/L
	Ag	107	139824.818	0.476	18.670847	ug/L
	Cd	111	31679.712	0.108	18.053080	ug/L
	Cd	114	73058.240	0.248	17.928887	ug/L
>	In	115	238862.280	238862.280		ug/L
	Sb	121	109188.977	0.457	18.466732	ug/L
	Sb	123	83660.136	0.350	18.449133	ug/L
	Tl	203	134180.918	0.410	18.612366	ug/L
	Tl	205	321626.730	0.983	18.606442	ug/L
	Pb	208	432131.014	1.319	18.655748	ug/L
>	Bi	209	327264.438	327264.438		ug/L

: 00577

Sample Information

Sample ID: 1002144-01
Autosampler Position: 77
Sample Date/Time: Monday, February 22, 2010 21:50:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-01.091
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	337093.298	337093.298				ug/L
	Be	9	2.000	0.000	0.002110	0.005	222.562	ug/L
	V	51	5297.469	0.011	0.357601	0.017	4.623	ug/L
	Cu	63	8161.742	0.032	2.038072	0.029	1.413	ug/L
	Cu	65	3823.395	0.015	1.990371	0.021	1.033	ug/L
	Zn	66	1865.929	0.007	1.703196	0.069	4.055	ug/L
	Zn	68	1762.902	0.006	2.018573	0.077	3.833	ug/L
>	Ge	72	246851.905	246851.905				ug/L
	As	75	1446.131	0.006	1.080668	0.059	5.492	ug/L
	Se	77	133.669	0.000	0.069165	0.044	64.038	ug/L
	Se	82	-57.514	0.000	0.015773	0.063	399.541	ug/L
>	Rh	103	303672.001	303672.001				ug/L
	Ag	107	167.337	0.001	0.019898	0.003	15.557	ug/L
	Cd	111	16.758	0.000	0.008796	0.004	43.157	ug/L
	Cd	114	51.225	0.000	0.010114	0.000	4.081	ug/L
>	In	115	240165.740	240165.740				ug/L
	Sb	121	4554.498	0.019	0.755469	0.021	2.773	ug/L
	Sb	123	3442.319	0.014	0.746377	0.012	1.589	ug/L
	Tl	203	31.667	-0.000	-0.001062	0.001	78.830	ug/L
	Tl	205	64.668	-0.000	-0.001247	0.000	16.129	ug/L
	Pb	208	32415.278	0.096	1.362870	0.060	4.385	ug/L
>	Bi	209	331113.537	331113.537				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	93.109
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.169
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.718
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.631

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.908

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	335231.521	335231.521		ug/L
Be	9	1.000	-0.000	-0.002592	ug/L
V	51	5288.186	0.011	0.358625	ug/L
Cu	63	8072.840	0.032	2.022817	ug/L
Cu	65	3854.078	0.015	2.013980	ug/L
Zn	66	1800.245	0.007	1.645258	ug/L
Zn	68	1822.251	0.008	2.106888	ug/L
Ge	72	245979.126	245979.126		ug/L
As	75	1488.452	0.006	1.115637	ug/L
Se	77	139.003	0.000	0.118618	ug/L
Se	82	-50.521	0.000	0.065623	ug/L
Rh	103	309811.852	309811.852		ug/L
Ag	107	146.003	0.000	0.016686	ug/L
Cd	111	23.871	0.000	0.012531	ug/L
Cd	114	50.353	0.000	0.008671	ug/L
In	115	239867.581	239867.581		ug/L
Sb	121	4488.481	0.018	0.748831	ug/L
Sb	123	3493.637	0.014	0.758328	ug/L
Tl	203	39.000	-0.000	-0.000309	ug/L
Tl	205	68.001	0.000	-0.001347	ug/L
Pb	208	31908.843	0.092	1.297144	ug/L
Bi	209	341862.562	341862.562		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	337264.988	337264.988		ug/L
Be	9	2.000	0.000	0.002121	ug/L
V	51	5150.742	0.011	0.340680	ug/L
Cu	63	8288.884	0.033	2.071288	ug/L
Cu	65	3785.040	0.015	1.978136	ug/L
Zn	66	1838.282	0.007	1.779814	ug/L
Zn	68	1715.223	0.008	1.981648	ug/L
Ge	72	248082.949	248082.949		ug/L
As	75	1466.321	0.006	1.114229	ug/L
Se	77	132.003	0.000	0.058118	ug/L
Se	82	-54.458	0.000	0.038761	ug/L
Rh	103	304780.538	304780.538		ug/L
Ag	107	170.004	0.001	0.020122	ug/L
Cd	111	18.536	0.000	0.008914	ug/L
Cd	114	51.734	0.000	0.010188	ug/L
In	115	236910.504	236910.504		ug/L
Sb	121	4672.575	0.019	0.779388	ug/L
Sb	123	3370.948	0.014	0.734613	ug/L
Tl	203	25.000	-0.000	0.001882	ug/L
Tl	205	61.001	-0.000	-0.001378	ug/L
Pb	208	32883.000	0.100	1.413958	ug/L
Bi	209	323883.662	323883.662		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	338783.388	338783.388		ug/L
Be	9	3.000	0.000	0.008800	ug/L
V	51	5466.500	0.012	0.373598	ug/L
Cu	63	8146.723	0.032	2.020312	ug/L
Cu	65	3831.088	0.015	1.981029	ug/L
Zn	66	1858.261	0.007	1.684718	ug/L
Zn	68	1751.232	0.008	1.987408	ug/L
Ge	72	248483.638	248483.638		ug/L
As	75	1366.618	0.006	1.012137	ug/L
Se	77	131.003	0.000	0.032861	ug/L
Se	82	67.561	0.000	-0.056084	ug/L
Rh	103	298523.614	298523.614		ug/L
Ag	107	186.004	0.001	0.022876	ug/L
Cd	111	9.467	0.000	0.004942	ug/L
Cd	114	51.580	0.000	0.010487	ug/L
In	115	241629.157	241629.157		ug/L
Sb	121	4492.467	0.018	0.740388	ug/L
Sb	123	3462.370	0.014	0.746182	ug/L
Tl	203	31.000	-0.000	-0.001086	ug/L
Tl	205	68.001	-0.000	0.001018	ug/L
Pb	208	32456.980	0.097	1.377508	ug/L
Bi	209	327804.378	327804.378		ug/L

: 00579

Sample Information

Sample ID: 1002144-02
Autosampler Position: 78
Sample Date/Time: Monday, February 22, 2010 21:53:37
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-02.092
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	343014.381	343014.381				ug/L
	Be	9	1.667	0.000	0.000406	0.003	661.158	ug/L
	V	51	2820.939	0.001	0.037334	0.009	23.004	ug/L
	Cu	63	1824.918	0.007	0.427476	0.019	4.404	ug/L
	Cu	65	998.746	0.004	0.490769	0.007	1.391	ug/L
	Zn	66	906.400	0.003	0.773351	0.045	5.845	ug/L
	Zn	68	971.743	0.003	0.967768	0.041	4.277	ug/L
>	Ge	72	245001.243	245001.243				ug/L
	As	75	27.292	-0.000	-0.014693	0.012	82.377	ug/L
	Se	77	127.002	0.000	0.010733	0.039	367.817	ug/L
	Se	82	-35.052	0.000	0.178367	0.109	61.165	ug/L
>	Rh	103	295469.818	295469.818				ug/L
	Ag	107	53.667	0.000	0.005183	0.001	24.566	ug/L
	Cd	111	4.780	0.000	0.002289	0.004	160.463	ug/L
	Cd	114	23.787	0.000	0.003731	0.000	7.651	ug/L
>	In	115	241969.118	241969.118				ug/L
	Sb	121	566.695	0.002	0.083946	0.004	4.995	ug/L
	Sb	123	416.261	0.002	0.081346	0.001	1.587	ug/L
	Tl	203	36.000	-0.000	-0.000351	0.000	86.727	ug/L
	Tl	205	79.335	-0.000	-0.000305	0.000	155.514	ug/L
	Pb	208	1911.785	0.004	0.060271	0.001	1.955	ug/L
>	Bi	209	324284.747	324284.747				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	94.745
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.426
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.971
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	99.372

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.848

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	340613.843	340613.843		ug/L
	Be	9	2.000	0.000	0.002031	ug/L
	V	51	2788.975	0.001	0.030427	ug/L
	Cu	63	1875.286	0.007	0.437211	ug/L
	Cu	65	1019.083	0.004	0.498125	ug/L
	Zn	66	864.081	0.003	0.725818	ug/L
	Zn	68	1013.082	0.003	1.014868	ug/L
>	Ge	72	246809.313	246809.313		ug/L
	As	75	34.088	-0.000	0.009610	ug/L
	Se	77	125.002	0.000	-0.018802	ug/L
	Se	82	-18.324	0.000	0.303801	ug/L
>	Rh	103	298126.870	298126.870		ug/L
	Ag	107	53.001	0.000	0.005071	ug/L
	Cd	111	0.941	-0.000	-0.000953	ug/L
	Cd	114	23.836	0.000	0.003732	ug/L
>	In	115	246284.320	246284.320		ug/L
	Sb	121	805.032	0.002	0.088818	ug/L
	Sb	123	430.388	0.002	0.082786	ug/L
	Tl	203	38.000	-0.000	-0.000017	ug/L
	Tl	205	87.001	0.000	0.000088	ug/L
	Pb	208	1824.118	0.004	0.058432	ug/L
>	Bi	209	329858.748	329858.745		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	342338.078	342338.078		ug/L
	Be	9	1.000	-0.000	-0.002681	ug/L
	V	51	2884.378	0.001	0.046950	ug/L
	Cu	63	1852.256	0.007	0.439440	ug/L
	Cu	65	986.078	0.004	0.486548	ug/L
	Zn	66	940.071	0.003	0.815041	ug/L
	Zn	68	939.071	0.003	0.937163	ug/L
>	Ge	72	242453.575	242453.575		ug/L
	As	75	9.319	-0.000	-0.028525	ug/L
	Se	77	130.002	0.000	0.056618	ug/L
	Se	82	-41.411	0.000	0.126390	ug/L
>	Rh	103	292786.384	292786.384		ug/L
	Ag	107	53.001	0.000	0.006508	ug/L
	Cd	111	3.419	0.000	0.001542	ug/L
	Cd	114	22.408	0.000	0.003446	ug/L
>	In	115	240723.722	240723.722		ug/L
	Sb	121	543.029	0.002	0.060602	ug/L
	Sb	123	412.135	0.002	0.080828	ug/L
	Tl	203	34.000	-0.000	-0.000813	ug/L
	Tl	205	70.001	-0.000	-0.000841	ug/L
	Pb	208	1894.121	0.004	0.056764	ug/L
>	Bi	209	323217.223	323217.223		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	346190.228	346190.228		ug/L
	Be	9	2.000	0.000	0.001877	ug/L
	V	51	2811.464	0.001	0.034624	ug/L
	Cu	63	1747.231	0.006	0.406777	ug/L
	Cu	65	981.078	0.004	0.484638	ug/L
	Zn	66	915.068	0.003	0.778182	ug/L
	Zn	68	963.076	0.003	0.961283	ug/L
>	Ge	72	245840.841	245840.841		ug/L
	As	75	35.466	-0.000	0.008044	ug/L
	Se	77	126.002	-0.000	-0.004817	ug/L
	Se	82	45.419	0.000	0.103211	ug/L
>	Rh	103	297488.498	297488.498		ug/L
	Ag	107	45.001	0.000	0.003870	ug/L
	Cd	111	11.863	0.000	0.008278	ug/L
	Cd	114	29.117	0.000	0.004017	ug/L
>	In	115	238899.313	238899.313		ug/L
	Sb	121	552.027	0.002	0.062720	ug/L
	Sb	123	406.280	0.002	0.080318	ug/L
	Tl	203	35.000	-0.000	0.000422	ug/L
	Tl	205	81.001	0.000	-0.000141	ug/L
	Pb	208	1917.118	0.004	0.051619	ug/L
>	Bi	209	319981.273	319981.273		ug/L

: 00581

Sample Information

Sample ID: 1002144-03
Autosampler Position: 79
Sample Date/Time: Monday, February 22, 2010 21:56:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-03.093
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	342879.998	342879.998				ug/L
	Be	9	0.333	-0.000	-0.005829	0.003	45.570	ug/L
	V	51	2964.686	0.002	0.058486	0.030	51.006	ug/L
	Cu	63	5826.434	0.023	1.462409	0.023	1.564	ug/L
	Cu	65	2768.564	0.011	1.448041	0.007	0.484	ug/L
	Zn	66	1845.924	0.007	1.707417	0.054	3.180	ug/L
	Zn	68	1730.560	0.006	2.005708	0.055	2.719	ug/L
>	Ge	72	243679.233	243679.233				ug/L
	As	75	76.167	0.000	0.023424	0.040	170.410	ug/L
	Se	77	118.669	-0.000	-0.069335	0.085	123.304	ug/L
	Se	82	-37.469	0.000	0.158522	0.172	108.789	ug/L
>	Rh	103	293674.705	293674.705				ug/L
	Ag	107	49.001	0.000	0.004586	0.001	22.311	ug/L
	Cd	111	11.318	0.000	0.006061	0.002	30.213	ug/L
	Cd	114	28.046	0.000	0.004823	0.002	46.723	ug/L
>	In	115	239346.123	239346.123				ug/L
	Sb	121	3429.524	0.014	0.568219	0.008	1.471	ug/L
	Sb	123	2604.373	0.011	0.564411	0.012	2.052	ug/L
	Tl	203	42.001	0.000	0.000493	0.001	245.943	ug/L
	Tl	205	79.001	-0.000	-0.000314	0.001	218.407	ug/L
	Pb	208	4431.244	0.012	0.170741	0.003	1.623	ug/L
>	Bi	209	323382.917	323382.917				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	94.707
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.894
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.369
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.294

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.576

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342321.261	342321.261		ug/L
Be	9	0.000	-0.000	0.007362	ug/L
V	51	3188.562	0.003	0.092638	ug/L
Cu	63	5738.381	0.023	1.457397	ug/L
Cu	65	2732.560	0.011	1.446156	ug/L
Zn	66	1886.268	0.007	1.760183	ug/L
Zn	68	1753.233	0.006	2.084431	ug/L
Ge	72	240812.418	240812.418		ug/L
As	75	18.024	0.000	-0.021567	ug/L
Se	77	115.002	0.000	-0.082886	ug/L
Se	82	-45.385	0.000	0.096370	ug/L
Rh	103	285546.258	285546.258		ug/L
Ag	107	58.001	0.000	0.006757	ug/L
Cd	111	13.787	0.000	0.007406	ug/L
Cd	114	36.018	0.000	0.008734	ug/L
In	115	238278.017	238278.017		ug/L
Sb	121	3483.874	0.014	0.576584	ug/L
Sb	123	2541.848	0.010	0.563122	ug/L
Tl	203	53.001	0.000	0.001888	ug/L
Tl	205	88.001	0.000	0.000108	ug/L
Pb	208	4457.586	0.012	0.167563	ug/L
Bi	209	330882.624	330882.624		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	347823.388	347823.388		ug/L
Be	9	1.000	-0.000	-0.002762	ug/L
V	51	2894.322	0.001	0.045300	ug/L
Cu	63	5980.962	0.024	1.487388	ug/L
Cu	65	2784.671	0.011	1.442170	ug/L
Zn	66	1842.256	0.007	1.686882	ug/L
Zn	68	1711.222	0.006	1.956827	ug/L
Ge	72	246064.663	246064.663		ug/L
As	75	116.089	0.000	0.054524	ug/L
Se	77	129.002	0.000	0.025457	ug/L
Se	82	-11.512	0.000	0.353438	ug/L
Rh	103	288162.036	288162.036		ug/L
Ag	107	44.001	0.000	0.003862	ug/L
Cd	111	7.748	0.000	0.003975	ug/L
Cd	114	18.111	0.000	0.002334	ug/L
In	115	236980.955	236980.955		ug/L
Sb	121	3365.841	0.014	0.568202	ug/L
Sb	123	2632.008	0.011	0.576260	ug/L
Tl	203	36.000	-0.000	-0.000290	ug/L
Tl	205	65.001	-0.000	-0.001108	ug/L
Pb	208	4424.581	0.012	0.172112	ug/L
Bi	209	320589.808	320589.808		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	338986.356	338986.356		ug/L
Be	9	0.000	-0.000	-0.007362	ug/L
V	51	2813.175	0.001	0.037519	ug/L
Cu	63	5780.379	0.023	1.442480	ug/L
Cu	65	2788.572	0.011	1.456788	ug/L
Zn	66	1809.247	0.007	1.667208	ug/L
Zn	68	1727.226	0.006	1.998066	ug/L
Ge	72	244170.619	244170.619		ug/L
As	75	93.778	0.000	0.037335	ug/L
Se	77	112.002	-0.000	-0.140603	ug/L
Se	82	-55.514	0.000	0.025758	ug/L
Rh	103	289316.623	289316.623		ug/L
Ag	107	45.001	0.000	0.004139	ug/L
Cd	111	12.438	0.000	0.006802	ug/L
Cd	114	30.010	0.000	0.005412	ug/L
In	115	242779.397	242779.397		ug/L
Sb	121	3426.887	0.014	0.589871	ug/L
Sb	123	2639.282	0.011	0.583860	ug/L
Tl	203	37.000	0.000	-0.000121	ug/L
Tl	205	84.001	0.000	0.000068	ug/L
Pb	208	4411.566	0.012	0.172568	ug/L
Bi	209	318996.322	318996.322		ug/L

: 00583

Sample Information

Sample ID: 1002144-04
Autosampler Position: 80
Sample Date/Time: Monday, February 22, 2010 22:00:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-04.094
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	340735.668	340735.668				ug/L
⌊	Be	9	2.667	0.000	0.005176	0.006	106.490	ug/L
⌈	V	51	7572.405	0.021	0.670244	0.019	2.894	ug/L
|	Cu	63	1251.122	0.004	0.282861	0.010	3.707	ug/L
|	Cu	65	598.031	0.002	0.278625	0.019	6.712	ug/L
|	Zn	66	1076.092	0.004	0.948837	0.038	4.003	ug/L
|	Zn	68	1005.081	0.003	1.023864	0.043	4.239	ug/L
|>	Ge	72	243005.894	243005.894				ug/L
|	As	75	670.007	0.003	0.489684	0.047	9.609	ug/L
|	Se	77	134.669	0.000	0.101267	0.059	58.217	ug/L
⌊	Se	82	-44.823	0.000	0.103079	0.075	72.457	ug/L
⌈>	Rh	103	303733.931	303733.931				ug/L
|	Ag	107	32.667	0.000	0.002235	0.000	20.204	ug/L
|	Cd	111	4.959	0.000	0.002327	0.001	29.093	ug/L
⌊	Cd	114	16.793	0.000	0.001905	0.001	53.843	ug/L
⌈>	In	115	239039.393	239039.393				ug/L
|	Sb	121	291.676	0.001	0.038675	0.002	4.444	ug/L
⌊	Sb	123	225.129	0.001	0.040343	0.003	8.579	ug/L
⌈	Tl	203	25.334	-0.000	-0.001892	0.000	23.795	ug/L
|	Tl	205	68.334	-0.000	-0.000994	0.000	44.040	ug/L
|	Pb	208	3939.464	0.010	0.146764	0.004	2.988	ug/L
⌊>	Bi	209	328143.940	328143.940				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.115
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.624
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	101.739
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.168

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.012

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	338712.122	338712.122		ug/L
Be	9	2.000	0.000	0.002081	ug/L
V	51	7607.929	0.021	0.883043	ug/L
Cu	63	1221.117	0.004	0.271348	ug/L
Cu	65	563.028	0.002	0.257080	ug/L
Zn	66	1089.084	0.004	0.948868	ug/L
Zn	68	1063.088	0.003	1.072697	ug/L
Ge	72	245883.931	245883.931		ug/L
As	75	523.212	0.002	0.446337	ug/L
Se	77	132.003	0.000	0.057274	ug/L
Se	82	-37.474	0.000	0.161773	ug/L
Rh	103	303790.671	303790.671		ug/L
Ag	107	34.000	0.000	0.002406	ug/L
Cd	111	4.863	0.000	0.002270	ug/L
Cd	114	18.639	0.000	0.002348	ug/L
In	115	241881.844	241881.844		ug/L
Sb	121	265.006	0.001	0.036976	ug/L
Sb	123	217.880	0.001	0.038148	ug/L
Tl	203	30.000	-0.000	-0.001374	ug/L
Tl	205	87.001	-0.000	-0.001208	ug/L
Pb	208	2958.473	0.010	0.141871	ug/L
Bi	209	338242.426	338242.426		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	338433.382	338433.382		ug/L
Be	9	4.000	0.000	0.011540	ug/L
V	51	7653.083	0.021	0.892214	ug/L
Cu	63	1247.121	0.006	0.286391	ug/L
Cu	65	608.032	0.002	0.288147	ug/L
Zn	66	1102.088	0.004	0.966761	ug/L
Zn	68	983.077	0.003	1.008184	ug/L
Ge	72	240308.874	240308.874		ug/L
As	75	554.321	0.003	0.482984	ug/L
Se	77	131.003	0.000	0.078274	ug/L
Se	82	-55.529	0.000	0.019010	ug/L
Rh	103	308168.083	308168.083		ug/L
Ag	107	28.000	0.000	0.001723	ug/L
Cd	111	3.827	0.000	0.001680	ug/L
Cd	114	19.983	0.000	0.002534	ug/L
In	115	235376.587	235376.587		ug/L
Sb	121	267.008	0.001	0.038637	ug/L
Sb	123	239.628	0.001	0.044333	ug/L
Tl	203	23.000	-0.000	-0.002184	ug/L
Tl	205	63.001	-0.000	-0.001286	ug/L
Pb	208	4001.478	0.011	0.150878	ug/L
Bi	209	325867.230	325867.230		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	345081.520	345081.520		ug/L
Be	9	2.000	0.000	0.001907	ug/L
V	51	7456.222	0.020	0.856474	ug/L
Cu	63	1295.126	0.006	0.291861	ug/L
Cu	65	620.033	0.002	0.290848	ug/L
Zn	66	1037.088	0.004	0.910791	ug/L
Zn	68	979.077	0.003	0.989710	ug/L
Ge	72	242824.877	242824.877		ug/L
As	75	733.487	0.003	0.539731	ug/L
Se	77	141.003	0.000	0.106254	ug/L
Se	82	41.466	0.000	0.128454	ug/L
Rh	103	301242.040	301242.040		ug/L
Ag	107	35.000	0.000	0.002576	ug/L
Cd	111	5.187	0.000	0.003031	ug/L
Cd	114	11.748	0.000	0.000732	ug/L
In	115	239850.749	239850.749		ug/L
Sb	121	303.009	0.001	0.040413	ug/L
Sb	123	217.880	0.001	0.038550	ug/L
Tl	203	23.000	-0.000	-0.002118	ug/L
Tl	205	75.001	-0.000	-0.000491	ug/L
Pb	208	3857.438	0.010	0.147748	ug/L
Bi	209	319332.184	319332.184		ug/L

: 00585

Sample Information

Sample ID: 1002144-05
Autosampler Position: 81
Sample Date/Time: Monday, February 22, 2010 22:03:22
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-05.095
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	343636.890	343636.890				ug/L
	Be	9	2.333	0.000	0.003481	0.003	73.852	ug/L
	V	51	2660.489	0.001	0.016575	0.017	101.610	ug/L
	Cu	63	826.389	0.003	0.171380	0.002	0.917	ug/L
	Cu	65	419.350	0.001	0.180268	0.006	3.279	ug/L
	Zn	66	1821.251	0.007	1.674736	0.068	4.050	ug/L
	Zn	68	1445.828	0.005	1.610364	0.073	4.512	ug/L
>	Ge	72	244750.763	244750.763				ug/L
	As	75	88.656	0.000	0.033093	0.031	92.996	ug/L
	Se	77	140.669	0.000	0.152954	0.074	48.658	ug/L
	Se	82	-14.140	0.000	0.334110	0.164	49.023	ug/L
>	Rh	103	299165.103	299165.103				ug/L
	Ag	107	29.334	0.000	0.001858	0.000	24.673	ug/L
	Cd	111	5.444	0.000	0.002645	0.003	97.447	ug/L
	Cd	114	9.974	0.000	0.000316	0.001	326.133	ug/L
>	In	115	239493.983	239493.983				ug/L
	Sb	121	169.004	0.000	0.017893	0.002	8.434	ug/L
	Sb	123	144.751	0.000	0.022526	0.001	5.733	ug/L
	Tl	203	36.667	-0.000	-0.000306	0.002	504.199	ug/L
	Tl	205	95.335	0.000	0.000562	0.001	135.859	ug/L
	Pb	208	2111.477	0.005	0.067742	0.002	2.318	ug/L
>	Bi	209	328745.541	328745.541				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	94.917
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.325
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.208
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.355

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.194

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	347391.503	347391.503		ug/L
Be	9	3.000	0.000	0.008449	ug/L
V	51	2818.252	0.000	0.008625	ug/L
Cu	63	833.087	0.003	0.171469	ug/L
Cu	65	422.017	0.001	0.179884	ug/L
Zn	66	1851.259	0.007	1.690625	ug/L
Zn	68	1412.184	0.006	1.550299	ug/L
Ge	72	246606.209	246606.209		ug/L
As	75	117.224	0.000	0.084729	ug/L
Se	77	149.003	0.000	0.227836	ug/L
Se	82	-35.670	0.000	0.175858	ug/L
Rh	103	303755.209	303755.209		ug/L
Ag	107	27.000	0.000	0.001491	ug/L
Cd	111	4.288	0.000	0.001852	ug/L
Cd	114	13.471	0.000	0.001119	ug/L
In	115	239881.221	239881.221		ug/L
Sb	121	161.003	0.000	0.016486	ug/L
Sb	123	148.825	0.000	0.023311	ug/L
Tl	203	28.000	-0.000	-0.001871	ug/L
Tl	205	97.002	0.000	0.000648	ug/L
Pb	208	2113.143	0.005	0.085636	ug/L
Bi	209	335804.438	335804.438		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339822.688	339822.688		ug/L
Be	9	2.000	0.000	0.002068	ug/L
V	51	2564.787	0.000	0.005268	ug/L
Cu	63	828.068	0.003	0.172887	ug/L
Cu	65	407.016	0.001	0.174498	ug/L
Zn	66	1873.284	0.007	1.733304	ug/L
Zn	68	1425.186	0.005	1.589716	ug/L
Ge	72	243798.248	243798.248		ug/L
As	75	106.605	0.000	0.040880	ug/L
Se	77	140.003	0.000	0.151981	ug/L
Se	82	8.677	0.000	0.502927	ug/L
Rh	103	297165.469	297165.469		ug/L
Ag	107	33.000	0.000	0.002372	ug/L
Cd	111	1.589	0.000	0.000484	ug/L
Cd	114	11.362	0.000	0.000877	ug/L
In	115	241012.708	241012.708		ug/L
Sb	121	169.004	0.000	0.017708	ug/L
Sb	123	138.877	0.000	0.021038	ug/L
Tl	203	47.001	0.000	0.001208	ug/L
Tl	205	81.001	-0.000	0.000194	ug/L
Pb	208	2102.142	0.005	0.088788	ug/L
Bi	209	323498.841	323498.841		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343998.282	343998.282		ug/L
Be	9	2.000	0.000	0.001839	ug/L
V	51	2797.418	0.001	0.035831	ug/L
Cu	63	817.068	0.003	0.186781	ug/L
Cu	65	429.017	0.001	0.186311	ug/L
Zn	66	1736.229	0.007	1.600380	ug/L
Zn	68	1500.179	0.008	1.691117	ug/L
Ge	72	243846.832	243846.832		ug/L
As	75	43.139	-0.000	-0.002139	ug/L
Se	77	133.003	0.000	0.079018	ug/L
Se	82	-15.429	0.000	0.323542	ug/L
Rh	103	298574.641	298574.641		ug/L
Ag	107	28.000	0.000	0.001711	ug/L
Cd	111	10.446	0.000	0.000487	ug/L
Cd	114	5.089	-0.000	-0.000847	ug/L
In	115	237508.023	237508.023		ug/L
Sb	121	177.004	0.000	0.019488	ug/L
Sb	123	148.781	0.000	0.023232	ug/L
Tl	203	37.000	-0.000	-0.000263	ug/L
Tl	205	108.002	0.000	0.001333	ug/L
Pb	208	2119.146	0.005	0.068502	ug/L
Bi	209	327133.648	327133.648		ug/L

: 00587

Sample Information

Sample ID: 1002144-06
Autosampler Position: 82
Sample Date/Time: Monday, February 22, 2010 22:06:37
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-06.096
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	343928.033	343928.033				ug/L
	Be	9	1.667	0.000	0.000327	0.007	2146.395	ug/L
	V	51	3906.063	0.006	0.182704	0.013	6.970	ug/L
	Cu	63	656.370	0.002	0.128393	0.002	1.896	ug/L
	Cu	65	319.677	0.001	0.127561	0.012	9.119	ug/L
	Zn	66	973.743	0.004	0.844563	0.030	3.566	ug/L
	Zn	68	851.726	0.002	0.811571	0.045	5.577	ug/L
>	Ge	72	243742.587	243742.587				ug/L
	As	75	120.343	0.000	0.058277	0.010	16.799	ug/L
	Se	77	120.002	-0.000	-0.055460	0.070	125.623	ug/L
	Se	82	-42.081	0.000	0.125827	0.093	73.642	ug/L
>	Rh	103	296621.594	296621.594				ug/L
	Ag	107	28.000	0.000	0.001711	0.001	41.839	ug/L
	Cd	111	5.928	0.000	0.002935	0.002	71.477	ug/L
	Cd	114	5.991	-0.000	-0.000629	0.001	123.354	ug/L
>	In	115	240518.161	240518.161				ug/L
	Sb	121	149.336	0.000	0.014456	0.001	9.741	ug/L
	Sb	123	130.457	0.000	0.019245	0.002	12.173	ug/L
	Tl	203	23.000	-0.000	-0.002199	0.001	49.066	ug/L
	Tl	205	59.001	-0.000	-0.001543	0.000	29.762	ug/L
	Pb	208	1283.724	0.002	0.032187	0.001	2.599	ug/L
>	Bi	209	328302.126	328302.126				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	94.997
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.920
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.356
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.776

: 00588

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.060

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	348811.258	348811.258		ug/L
Be	9	3.000	0.000	0.006383	ug/L
V	51	3950.016	0.006	0.187000	ug/L
Cu	63	640.036	0.002	0.126804	ug/L
Cu	65	331.011	0.001	0.136514	ug/L
Zn	66	986.078	0.004	0.672539	ug/L
Zn	68	808.084	0.002	0.770813	ug/L
Ge	72	239793.981	239793.981		ug/L
As	75	121.675	0.000	0.060997	ug/L
Se	77	120.002	-0.000	0.034923	ug/L
Se	82	-31.325	0.000	0.201286	ug/L
Rh	103	296216.174	296216.174		ug/L
Ag	107	34.000	0.000	0.002520	ug/L
Cd	111	1.678	0.000	0.000532	ug/L
Cd	114	4.291	-0.000	-0.001040	ug/L
In	115	243121.380	243121.380		ug/L
Sb	121	158.003	0.000	0.015634	ug/L
Sb	123	139.373	0.000	0.020229	ug/L
Tl	203	15.000	-0.000	-0.003348	ug/L
Tl	205	53.001	-0.000	-0.001947	ug/L
Pb	208	1283.068	0.002	0.031244	ug/L
Bi	209	333772.509	333772.509		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	339532.747	339532.747		ug/L
Be	9	0.000	0.000	-0.007382	ug/L
V	51	3846.370	0.006	0.172579	ug/L
Cu	63	670.038	0.002	0.131202	ug/L
Cu	65	329.011	0.001	0.131758	ug/L
Zn	66	982.077	0.004	0.848484	ug/L
Zn	68	801.084	0.003	0.880181	ug/L
Ge	72	244787.542	244787.542		ug/L
As	75	131.387	0.000	0.068419	ug/L
Se	77	113.002	-0.000	-0.153080	ug/L
Se	82	-39.380	0.000	0.153798	ug/L
Rh	103	297961.203	297961.203		ug/L
Ag	107	24.000	0.000	0.001180	ug/L
Cd	111	8.653	0.000	0.004402	ug/L
Cd	114	9.698	0.000	0.000288	ug/L
In	115	238791.075	238791.075		ug/L
Sb	121	139.003	0.000	0.012998	ug/L
Sb	123	117.373	0.000	0.016570	ug/L
Tl	203	24.000	-0.000	-0.002039	ug/L
Tl	205	67.001	0.000	0.001043	ug/L
Pb	208	1287.067	0.002	0.032840	ug/L
Bi	209	325288.179	325288.179		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	343440.086	343440.086		ug/L
Be	9	2.000	0.000	0.001961	ug/L
V	51	3921.800	0.006	0.178533	ug/L
Cu	63	659.037	0.002	0.127072	ug/L
Cu	65	299.009	0.001	0.114413	ug/L
Zn	66	953.073	0.003	0.812888	ug/L
Zn	68	868.090	0.002	0.803840	ug/L
Ge	72	246866.229	246866.229		ug/L
As	75	107.788	0.000	0.047415	ug/L
Se	77	127.002	0.000	0.001633	ug/L
Se	82	-56.537	0.000	0.022403	ug/L
Rh	103	295698.404	295698.404		ug/L
Ag	107	26.000	0.000	0.001453	ug/L
Cd	111	7.553	0.000	0.003871	ug/L
Cd	114	3.982	0.000	-0.001114	ug/L
In	115	239842.027	239842.027		ug/L
Sb	121	151.003	0.000	0.014838	ug/L
Sb	123	137.625	0.000	0.020834	ug/L
Tl	203	30.000	-0.000	0.001208	ug/L
Tl	205	57.001	0.000	-0.001638	ug/L
Pb	208	1281.067	0.002	0.032478	ug/L
Bi	209	325867.692	325867.692		ug/L

: 00589

Sample Information

Sample ID: 1002144-07
Autosampler Position: 83
Sample Date/Time: Monday, February 22, 2010 22:09:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-07.097
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	348144.747	348144.747				ug/L
	Be	9	1.667	0.000	0.000264	0.007	2635.470	ug/L
	V	51	3759.072	0.005	0.161546	0.004	2.744	ug/L
	Cu	63	1018.083	0.004	0.220873	0.013	5.807	ug/L
	Cu	65	468.353	0.002	0.206752	0.013	6.262	ug/L
	Zn	66	1112.431	0.004	0.977915	0.033	3.376	ug/L
	Zn	68	1019.750	0.003	1.035451	0.032	3.094	ug/L
>	Ge	72	244544.496	244544.496				ug/L
	As	75	314.451	0.001	0.209209	0.015	7.073	ug/L
	Se	77	123.669	-0.000	-0.021659	0.128	589.835	ug/L
	Se	82	-52.917	0.000	0.045490	0.194	426.927	ug/L
>	Rh	103	298326.342	298326.342				ug/L
	Ag	107	25.334	0.000	0.001331	0.001	76.346	ug/L
	Cd	111	5.468	0.000	0.002679	0.004	131.548	ug/L
	Cd	114	10.523	0.000	0.000467	0.001	207.816	ug/L
>	In	115	241988.421	241988.421				ug/L
	Sb	121	202.005	0.001	0.023106	0.002	6.767	ug/L
	Sb	123	141.917	0.000	0.021582	0.002	8.388	ug/L
	Tl	203	25.000	-0.000	-0.001956	0.001	37.742	ug/L
	Tl	205	66.334	-0.000	-0.001145	0.000	22.026	ug/L
	Pb	208	1245.387	0.002	0.030153	0.002	7.679	ug/L
>	Bi	209	330800.534	330800.534				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	96.162
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.242
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.928
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	99.379

Sample ID: 1002144-07
Report Date/Time: Monday, February 22, 2010 22:11:40

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.814

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	345857.320	345857.320		ug/L
Be	9	2.000	0.000	0.001881	ug/L
V	51	3728.783	0.006	0.156498	ug/L
Cu	63	984.078	0.003	0.208429	ug/L
Cu	65	462.020	0.002	0.202852	ug/L
Zn	66	1105.097	0.004	0.982237	ug/L
Zn	68	1026.084	0.003	1.040844	ug/L
Ge	72	245070.678	245070.678		ug/L
As	75	322.774	0.001	0.215116	ug/L
Se	77	138.003	0.000	0.123781	ug/L
Se	82	-77.687	-0.000	-0.139816	ug/L
Rh	103	295456.880	295456.880		ug/L
Ag	107	23.000	0.000	0.001053	ug/L
Cd	111	12.584	0.000	0.006740	ug/L
Cd	114	13.244	0.000	0.001183	ug/L
In	115	242988.443	242988.443		ug/L
Sb	121	192.006	0.001	0.021301	ug/L
Sb	123	133.626	0.000	0.019848	ug/L
Tl	203	27.000	-0.000	-0.001782	ug/L
Tl	205	63.001	-0.000	-0.001418	ug/L
Pb	208	1211.051	0.002	0.027846	ug/L
Bi	209	338024.672	338024.672		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346850.779	346850.779		ug/L
Be	9	0.000	-0.000	0.007382	ug/L
V	51	3750.480	0.006	0.163329	ug/L
Cu	63	1051.088	0.004	0.230833	ug/L
Cu	65	446.016	0.001	0.196206	ug/L
Zn	66	1143.103	0.004	1.014682	ug/L
Zn	68	1035.085	0.003	1.084387	ug/L
Ge	72	243108.211	243108.211		ug/L
As	75	326.587	0.001	0.220141	ug/L
Se	77	118.002	-0.000	0.073020	ug/L
Se	82	56.546	0.000	0.023718	ug/L
Rh	103	300378.784	300378.784		ug/L
Ag	107	34.000	0.000	0.002457	ug/L
Cd	111	1.488	0.000	0.000418	ug/L
Cd	114	5.999	-0.000	0.000844	ug/L
In	115	242982.817	242982.817		ug/L
Sb	121	208.005	0.001	0.023976	ug/L
Sb	123	143.751	0.000	0.021880	ug/L
Tl	203	19.000	-0.000	-0.002772	ug/L
Tl	205	70.001	-0.000	-0.000922	ug/L
Pb	208	1260.056	0.002	0.030939	ug/L
Bi	209	329638.804	329638.804		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	352128.141	352128.141		ug/L
Be	9	3.000	0.000	0.008263	ug/L
V	51	3797.884	0.006	0.164808	ug/L
Cu	63	1039.086	0.004	0.225256	ug/L
Cu	65	487.022	0.002	0.221200	ug/L
Zn	66	1088.094	0.004	0.950817	ug/L
Zn	68	998.080	0.003	1.001020	ug/L
Ge	72	245456.589	245456.589		ug/L
As	75	283.982	0.001	0.192370	ug/L
Se	77	115.002	-0.000	-0.115730	ug/L
Se	82	-25.520	0.000	0.249886	ug/L
Rh	103	299144.672	299144.672		ug/L
Ag	107	19.000	0.000	0.000483	ug/L
Cd	111	2.313	0.000	0.000679	ug/L
Cd	114	12.326	0.000	0.000892	ug/L
In	115	240094.004	240094.004		ug/L
Sb	121	208.005	0.001	0.024041	ug/L
Sb	123	148.374	0.000	0.023238	ug/L
Tl	203	29.000	0.000	-0.001334	ug/L
Tl	205	68.001	0.000	0.001098	ug/L
Pb	208	1265.064	0.002	0.031972	ug/L
Bi	209	324740.028	324740.028		ug/L

: 00591

Sample Information

Sample ID: 1002144-08
Autosampler Position: 84
Sample Date/Time: Monday, February 22, 2010 22:13:08
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-08.098
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	345894.049	345894.049				ug/L
⌊	Be	9	7.333	0.000	0.026521	0.016	61.296	ug/L
⌈	V	51	11450.293	0.036	1.159996	0.009	0.746	ug/L
|	Cu	63	2101.997	0.008	0.494398	0.013	2.627	ug/L
|	Cu	65	1034.419	0.004	0.505810	0.031	6.118	ug/L
|	Zn	66	2633.178	0.010	2.451288	0.017	0.693	ug/L
|	Zn	68	2243.042	0.008	2.659889	0.149	5.591	ug/L
|>	Ge	72	246948.544	246948.544				ug/L
|	As	75	380.270	0.001	0.257661	0.040	15.601	ug/L
|	Se	77	130.002	0.000	0.031511	0.077	245.052	ug/L
⌊	Se	82	-55.769	0.000	0.028716	0.034	118.520	ug/L
⌈>	Rh	103	295671.359	295671.359				ug/L
|	Ag	107	44.001	0.000	0.003868	0.001	34.659	ug/L
|	Cd	111	27.910	0.000	0.015447	0.003	18.786	ug/L
⌊	Cd	114	19.882	0.000	0.002759	0.002	88.075	ug/L
⌈>	In	115	239973.606	239973.606				ug/L
|	Sb	121	240.673	0.001	0.029894	0.001	4.018	ug/L
⌊	Sb	123	180.876	0.001	0.030381	0.004	14.212	ug/L
⌈	Tl	203	60.668	0.000	0.003028	0.001	35.676	ug/L
|	Tl	205	126.002	0.000	0.002369	0.001	26.996	ug/L
|	Pb	208	8850.572	0.025	0.359080	0.013	3.748	ug/L
⌊>	Bi	209	327644.189	327644.189				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.540
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.208
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.038
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.552

00592

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.861

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344844.400	344844.400		ug/L
Be	9	11.000	0.000	0.043652	ug/L
V	51	11352.448	0.038	1.169877	ug/L
Cu	63	2127.338	0.008	0.508668	ug/L
Cu	65	1079.082	0.004	0.537644	ug/L
Zn	66	2608.803	0.010	2.486010	ug/L
Zn	68	2087.329	0.008	2.508364	ug/L
Ge	72	243415.483	243415.483		ug/L
As	75	368.877	0.001	0.252913	ug/L
Se	77	134.003	0.000	0.091866	ug/L
Se	82	50.404	0.000	0.082574	ug/L
Rh	103	298788.343	298788.343		ug/L
Ag	107	46.001	0.000	0.004077	ug/L
Cd	111	27.130	0.000	0.014833	ug/L
Cd	114	28.161	0.000	0.004727	ug/L
In	115	738338.608	738338.608		ug/L
Sb	121	238.006	0.001	0.029720	ug/L
Sb	123	161.626	0.001	0.026408	ug/L
Tl	203	53.001	0.000	0.001821	ug/L
Tl	205	141.003	0.000	0.003088	ug/L
Pb	208	8982.301	0.025	0.357530	ug/L
Bi	209	333784.501	333784.501		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	350239.886	350239.886		ug/L
Be	9	7.000	0.000	0.024601	ug/L
V	51	11543.105	0.038	1.154683	ug/L
Cu	63	2082.224	0.008	0.483124	ug/L
Cu	65	980.079	0.004	0.475834	ug/L
Zn	66	2644.616	0.010	2.432278	ug/L
Zn	68	2276.385	0.008	2.670078	ug/L
Ge	72	249846.984	249846.984		ug/L
As	75	335.632	0.001	0.220049	ug/L
Se	77	123.002	-0.000	-0.056608	ug/L
Se	82	56.349	0.000	0.029086	ug/L
Rh	103	292968.303	292968.303		ug/L
Ag	107	33.000	0.000	0.002436	ug/L
Cd	111	33.185	0.000	0.018807	ug/L
Cd	114	8.833	0.000	0.000043	ug/L
In	115	240893.949	240893.949		ug/L
Sb	121	235.006	0.001	0.029788	ug/L
Sb	123	202.501	0.001	0.034977	ug/L
Tl	203	67.001	0.000	0.003803	ug/L
Tl	205	116.002	0.000	0.001913	ug/L
Pb	208	8884.086	0.024	0.346468	ug/L
Bi	209	327397.328	327397.328		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342598.082	342598.082		ug/L
Be	9	4.000	0.000	0.011310	ug/L
V	51	11446.324	0.038	1.155448	ug/L
Cu	63	2096.329	0.008	0.491472	ug/L
Cu	65	1034.086	0.004	0.503981	ug/L
Zn	66	2646.516	0.010	2.456575	ug/L
Zn	68	2356.412	0.008	2.803239	ug/L
Ge	72	247583.156	247583.156		ug/L
As	75	436.402	0.002	0.300021	ug/L
Se	77	133.003	0.000	0.058172	ug/L
Se	82	60.553	-0.000	0.005491	ug/L
Rh	103	295275.431	295275.431		ug/L
Ag	107	53.001	0.000	0.005091	ug/L
Cd	111	23.416	0.000	0.012901	ug/L
Cd	114	22.861	0.000	0.003808	ug/L
In	115	240887.280	240887.280		ug/L
Sb	121	249.007	0.001	0.031173	ug/L
Sb	123	178.500	0.001	0.029757	ug/L
Tl	203	62.001	0.000	0.003381	ug/L
Tl	205	119.002	0.000	0.002083	ug/L
Pb	208	9015.380	0.026	0.373244	ug/L
Bi	209	321740.741	321740.741		ug/L

: 00593

Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 22, 2010 22:16:22
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.099
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	339798.528	339798.528				ug/L
⌊	Be	9	7976.197	0.023	37.538585	0.680	1.812	ug/L
⌈	V	51	284249.454	1.167	37.577661	0.492	1.310	ug/L
|	Cu	63	151945.696	0.629	39.521684	0.289	0.732	ug/L
|	Cu	65	72130.433	0.298	39.204229	0.467	1.191	ug/L
|	Zn	66	38496.513	0.159	38.303333	0.823	2.149	ug/L
|	Zn	68	28274.469	0.116	38.392928	0.466	1.214	ug/L
|>	Ge	72	241508.676	241508.676				ug/L
|	As	75	49952.416	0.207	39.382174	0.556	1.411	ug/L
|	Se	77	3773.701	0.015	38.269818	0.513	1.340	ug/L
⌊	Se	82	4986.221	0.021	37.921302	1.554	4.098	ug/L
⌈>	Rh	103	292411.719	292411.719				ug/L
|	Ag	107	284257.379	0.972	38.622729	0.264	0.682	ug/L
|	Cd	111	65650.653	0.225	37.718570	0.884	2.345	ug/L
⌊	Cd	114	153119.552	0.524	37.861209	0.490	1.294	ug/L
⌈>	In	115	237562.620	237562.620				ug/L
|	Sb	121	213102.594	0.897	36.235951	1.394	3.848	ug/L
⌊	Sb	123	163439.703	0.688	36.278149	1.508	4.156	ug/L
⌈	Tl	203	274874.237	0.847	38.448645	0.574	1.493	ug/L
|	Tl	205	649065.260	1.999	38.269026	0.227	0.592	ug/L
|	Pb	208	868107.646	2.673	37.806722	0.084	0.221	ug/L
⌊>	Bi	209	324619.026	324619.026				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.856
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.022
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	97.946
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.562

: 00594

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.949

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	334818.782	334818.782		ug/L
Be	9	8019.580	0.024	36.321166	ug/L
V	51	289884.783	1.169	37.649193	ug/L
Cu	63	153432.923	0.623	39.182524	ug/L
Cu	65	72604.880	0.295	38.868240	ug/L
Zn	66	38248.914	0.156	37.388633	ug/L
Zn	68	28480.953	0.116	37.874820	ug/L
Ge	72	245899.451	245899.451		ug/L
As	75	50053.782	0.203	38.751086	ug/L
Se	77	3787.042	0.015	37.695258	ug/L
Se	82	4851.816	0.020	36.241982	ug/L
Rh	103	294612.881	294612.881		ug/L
Ag	107	288431.080	0.979	38.897284	ug/L
Cd	111	65326.881	0.222	37.359056	ug/L
Cd	114	153998.674	0.523	37.789878	ug/L
In	115	241222.456	241222.456		ug/L
Sb	121	206870.970	0.857	34.630388	ug/L
Sb	123	158662.671	0.656	34.668306	ug/L
Tl	203	275071.130	0.836	37.979099	ug/L
Tl	205	653044.980	1.986	38.008563	ug/L
Pb	208	879870.893	2.674	37.828003	ug/L
Bi	209	328832.042	328832.042		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343286.843	343286.843		ug/L
Be	9	7987.543	0.023	37.204211	ug/L
V	51	278493.998	1.150	37.053332	ug/L
Cu	63	151409.384	0.630	39.637327	ug/L
Cu	65	72427.088	0.302	39.619833	ug/L
Zn	66	38486.327	0.160	38.638791	ug/L
Zn	68	28032.178	0.116	38.308841	ug/L
Ge	72	239934.598	239934.598		ug/L
As	75	49904.388	0.208	39.596883	ug/L
Se	77	3765.030	0.015	38.432442	ug/L
Se	82	4984.512	0.021	38.213604	ug/L
Rh	103	288184.793	288184.793		ug/L
Ag	107	279965.706	0.971	38.599193	ug/L
Cd	111	66444.953	0.231	38.726088	ug/L
Cd	114	153006.193	0.531	38.383017	ug/L
In	115	235558.881	235558.881		ug/L
Sb	121	215443.978	0.914	36.933388	ug/L
Sb	123	163132.953	0.692	36.505980	ug/L
Tl	203	276661.053	0.861	39.088664	ug/L
Tl	205	644866.787	2.007	39.420224	ug/L
Pb	208	860867.897	2.678	37.877620	ug/L
Bi	209	321230.524	321230.524		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	341480.878	341480.878		ug/L
Be	9	7921.488	0.023	37.060378	ug/L
V	51	284288.870	1.181	38.030258	ug/L
Cu	63	150995.782	0.632	39.736201	ug/L
Cu	65	71469.383	0.299	38.293618	ug/L
Zn	66	38654.998	0.161	38.907575	ug/L
Zn	68	28310.275	0.118	38.696323	ug/L
Ge	72	238691.977	238691.977		ug/L
As	75	49899.098	0.209	39.798784	ug/L
Se	77	3769.032	0.015	38.661756	ug/L
Se	82	5112.636	0.022	39.308318	ug/L
Rh	103	294427.474	294427.474		ug/L
Ag	107	284356.383	0.986	38.371738	ug/L
Cd	111	64980.043	0.221	37.070667	ug/L
Cd	114	152356.588	0.517	37.410831	ug/L
In	115	235908.742	235908.742		ug/L
Sb	121	216982.834	0.920	37.144079	ug/L
Sb	123	166533.486	0.714	37.668181	ug/L
Tl	203	272980.529	0.843	38.278273	ug/L
Tl	205	649284.032	2.006	38.378262	ug/L
Pb	208	863794.547	2.688	37.714544	ug/L
Bi	209	323794.512	323794.512		ug/L

: 00595

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 22:24:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.100
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	334656.631	334656.631				ug/L
⌊	Be	9	1.333	-0.000	-0.000978	0.006	565.310	ug/L
⌈	V	51	2248.830	-0.001	-0.034092	0.005	15.626	ug/L
|	Cu	63	175.004	0.000	0.004553	0.002	54.091	ug/L
|	Cu	65	91.001	0.000	0.004537	0.004	91.998	ug/L
|	Zn	66	148.670	0.000	0.029686	0.015	51.101	ug/L
|	Zn	68	291.342	0.000	0.054176	0.010	19.186	ug/L
|>	Ge	72	241882.648	241882.648				ug/L
|	As	75	-30.554	-0.000	-0.059970	0.011	18.800	ug/L
|	Se	77	125.336	0.000	0.009804	0.072	729.742	ug/L
⌊	Se	82	-47.422	0.000	0.083099	0.141	169.706	ug/L
⌈>	Rh	103	294329.831	294329.831				ug/L
|	Ag	107	50.667	0.000	0.004799	0.001	14.362	ug/L
|	Cd	111	1.406	0.000	0.000385	0.001	307.330	ug/L
⌊	Cd	114	11.494	0.000	0.000740	0.001	109.536	ug/L
⌈>	In	115	237684.167	237684.167				ug/L
|	Sb	121	532.025	0.002	0.079782	0.005	6.151	ug/L
⌊	Sb	123	395.845	0.001	0.078445	0.007	9.272	ug/L
⌈	Tl	203	32.000	-0.000	-0.000812	0.001	78.199	ug/L
|	Tl	205	84.001	0.000	0.000081	0.001	880.161	ug/L
|	Pb	208	1493.742	0.003	0.043456	0.003	5.782	ug/L
⌊>	Bi	209	317335.876	317335.876				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	92.436
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.173
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.589
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.612

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

95.751

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	335625.672	335625.672		ug/L
Be	9	2.000	0.000	0.002171	ug/L
V	51	2228.348	-0.001	-0.036028	ug/L
Cu	63	170.004	0.000	0.003433	ug/L
Cu	65	86.001	0.000	0.002021	ug/L
Zn	66	165.004	0.000	0.046680	ug/L
Zn	68	281.008	0.000	0.056250	ug/L
Ge	72	240998.474	240998.474		ug/L
As	75	-45.628	-0.000	-0.071926	ug/L
Se	77	117.002	-0.000	-0.072788	ug/L
Se	82	-26.308	0.000	0.240237	ug/L
Rh	103	296386.007	296386.007		ug/L
Ag	107	55.001	0.000	0.006333	ug/L
Cd	111	0.791	-0.000	-0.000897	ug/L
Cd	114	8.108	-0.000	-0.000170	ug/L
In	115	237586.880	237586.880		ug/L
Sb	121	523.024	0.002	0.078302	ug/L
Sb	123	411.261	0.002	0.091920	ug/L
Tl	203	38.000	-0.000	-0.000249	ug/L
Tl	205	97.002	0.000	0.000863	ug/L
Pb	208	1432.070	0.003	0.040870	ug/L
Bi	209	317997.546	317997.546		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	332497.028	332497.028		ug/L
Be	9	2.000	0.000	0.002257	ug/L
V	51	2275.484	-0.001	-0.029088	ug/L
Cu	63	187.004	0.000	0.002846	ug/L
Cu	65	86.001	0.000	0.002235	ug/L
Zn	66	135.003	0.000	0.017178	ug/L
Zn	68	281.008	0.000	0.043286	ug/L
Ge	72	239899.446	239899.446		ug/L
As	75	28.460	0.000	-0.058454	ug/L
Se	77	128.002	0.000	0.048084	ug/L
Se	82	-52.458	0.000	0.041522	ug/L
Rh	103	294970.197	294970.197		ug/L
Ag	107	45.001	0.000	0.004021	ug/L
Cd	111	3.348	0.000	0.001487	ug/L
Cd	114	11.888	0.000	0.000828	ug/L
In	115	236860.922	236860.922		ug/L
Sb	121	567.026	0.002	0.086260	ug/L
Sb	123	419.891	0.002	0.093330	ug/L
Tl	203	33.000	-0.000	-0.000888	ug/L
Tl	205	74.001	-0.000	-0.000542	ug/L
Pb	208	1527.080	0.003	0.044841	ug/L
Bi	209	318730.144	318730.144		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	335848.994	335848.994		ug/L
Be	9	0.000	-0.000	-0.007382	ug/L
V	51	2244.668	-0.001	-0.038182	ug/L
Cu	63	188.004	0.000	0.007377	ug/L
Cu	65	101.002	0.000	0.006384	ug/L
Zn	66	146.003	0.000	0.025320	ug/L
Zn	68	302.009	0.000	0.063990	ug/L
Ge	72	244752.024	244752.024		ug/L
As	75	-17.574	-0.000	-0.048531	ug/L
Se	77	131.003	0.000	0.063218	ug/L
Se	82	-63.498	-0.000	-0.032462	ug/L
Rh	103	291834.291	291834.291		ug/L
Ag	107	52.001	0.000	0.005044	ug/L
Cd	111	1.656	0.000	0.000638	ug/L
Cd	114	14.487	0.000	0.001804	ug/L
In	115	238566.688	238566.688		ug/L
Sb	121	508.023	0.002	0.075788	ug/L
Sb	123	356.383	0.001	0.070088	ug/L
Tl	203	27.000	0.000	-0.001500	ug/L
Tl	205	81.001	0.000	-0.000088	ug/L
Pb	208	1522.077	0.003	0.048158	ug/L
Bi	209	315279.938	315279.938		ug/L

: 00597

Sample Information

Sample ID: 1002144-09
Autosampler Position: 85
Sample Date/Time: Monday, February 22, 2010 22:28:05
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-09.101
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	339833.282	339833.282				ug/L
⌊	Be	9	1.667	0.000	0.000476	0.010	2064.134	ug/L
⌈	V	51	2954.560	0.002	0.055120	0.012	22.181	ug/L
|	Cu	63	5728.693	0.023	1.430326	0.099	6.889	ug/L
|	Cu	65	2706.874	0.011	1.407696	0.087	6.165	ug/L
|	Zn	66	830.390	0.003	0.699048	0.035	4.971	ug/L
|	Zn	68	815.055	0.002	0.757325	0.044	5.810	ug/L
|>	Ge	72	244859.248	244859.248				ug/L
|	As	75	392.409	0.001	0.269376	0.021	7.918	ug/L
|	Se	77	144.336	0.000	0.190699	0.090	47.116	ug/L
⌊	Se	82	-50.781	0.000	0.062840	0.145	230.857	ug/L
⌈>	Rh	103	297256.957	297256.957				ug/L
|	Ag	107	53.667	0.000	0.005132	0.001	14.013	ug/L
|	Cd	111	10.976	0.000	0.005786	0.002	30.797	ug/L
⌊	Cd	114	17.555	0.000	0.002179	0.001	57.883	ug/L
⌈>	In	115	240504.727	240504.727				ug/L
|	Sb	121	742.379	0.003	0.114078	0.009	8.104	ug/L
⌊	Sb	123	590.028	0.002	0.120022	0.006	5.217	ug/L
⌈	Tl	203	29.334	-0.000	-0.001402	0.000	31.474	ug/L
|	Tl	205	67.668	-0.000	-0.001104	0.000	13.627	ug/L
|	Pb	208	9252.438	0.026	0.369727	0.013	3.519	ug/L
⌊>	Bi	209	333403.611	333403.611				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.866
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.368
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.569
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.770

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.599

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	337088.887	337088.887		ug/L
Be	9	0.000	-0.000	-0.007382	ug/L
V	51	2888.830	0.001	0.044130	ug/L
Cu	63	5308.028	0.021	1.324841	ug/L
Cu	65	2518.488	0.010	1.307882	ug/L
Zn	66	820.058	0.003	0.688820	ug/L
Zn	68	820.056	0.002	0.766618	ug/L
Ge	72	244472.686	244472.686		ug/L
As	75	379.300	0.001	0.298786	ug/L
Se	77	135.003	0.000	0.096186	ug/L
Se	82	-35.348	0.000	0.175964	ug/L
Rh	103	298213.832	298213.832		ug/L
Ag	107	60.001	0.000	0.006964	ug/L
Cd	111	13.002	0.000	0.008904	ug/L
Cd	114	29.333	0.000	0.003669	ug/L
In	115	239117.564	239117.564		ug/L
Sb	121	790.052	0.003	0.122844	ug/L
Sb	123	617.781	0.002	0.126876	ug/L
Tl	203	34.000	-0.000	-0.000228	ug/L
Tl	205	72.001	-0.000	-0.001004	ug/L
Pb	208	9254.449	0.026	0.358141	ug/L
Bi	209	348080.078	348080.078		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	338318.936	338318.936		ug/L
Be	9	4.000	0.000	0.011491	ug/L
V	51	2971.998	0.002	0.052941	ug/L
Cu	63	5690.462	0.023	1.446946	ug/L
Cu	65	2821.586	0.011	1.432146	ug/L
Zn	66	910.054	0.003	0.668773	ug/L
Zn	68	789.061	0.002	0.709802	ug/L
Ge	72	247663.885	247663.885		ug/L
As	75	428.478	0.002	0.293815	ug/L
Se	77	147.003	0.000	0.200872	ug/L
Se	82	-73.569	-0.000	-0.100719	ug/L
Rh	103	298363.910	298363.910		ug/L
Ag	107	50.001	0.000	0.004618	ug/L
Cd	111	7.373	0.000	0.003731	ug/L
Cd	114	18.281	0.000	0.001858	ug/L
In	115	242208.582	242208.582		ug/L
Sb	121	753.047	0.003	0.114870	ug/L
Sb	123	587.652	0.002	0.118682	ug/L
Tl	203	26.000	-0.000	-0.001801	ug/L
Tl	205	66.001	-0.000	-0.001031	ug/L
Pb	208	9238.418	0.026	0.373807	ug/L
Bi	209	329044.500	329044.500		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	343094.043	343094.043		ug/L
Be	9	1.000	-0.000	0.002701	ug/L
V	51	3024.860	0.002	0.068290	ug/L
Cu	63	6016.593	0.024	1.519491	ug/L
Cu	65	2782.570	0.011	1.463248	ug/L
Zn	66	861.061	0.003	0.737453	ug/L
Zn	68	836.067	0.002	0.796664	ug/L
Ge	72	242441.164	242441.164		ug/L
As	75	369.449	0.001	0.254523	ug/L
Se	77	151.003	0.000	0.275029	ug/L
Se	82	43.427	0.000	0.113288	ug/L
Rh	103	296193.131	296193.131		ug/L
Ag	107	51.001	0.000	0.004824	ug/L
Cd	111	12.563	0.000	0.008723	ug/L
Cd	114	13.052	0.000	0.001108	ug/L
In	115	240190.036	240190.036		ug/L
Sb	121	684.040	0.003	0.104419	ug/L
Sb	123	564.650	0.002	0.114608	ug/L
Tl	203	28.000	-0.000	-0.001478	ug/L
Tl	205	63.001	0.000	-0.001277	ug/L
Pb	208	9267.447	0.027	0.360136	ug/L
Bi	209	325088.258	325088.258		ug/L

: 00599

Sample Information

Sample ID: 1002144-10
Autosampler Position: 86
Sample Date/Time: Monday, February 22, 2010 22:31:20
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-10.102
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	341982.104	341982.104				ug/L
	Be	9	14.000	0.000	0.058129	0.021	36.715	ug/L
	V	51	15083.814	0.051	1.651050	0.007	0.403	ug/L
	Cu	63	118399.480	0.483	30.368923	0.220	0.726	ug/L
	Cu	65	55973.011	0.228	29.999510	0.245	0.816	ug/L
	Zn	66	66899.507	0.273	65.738750	0.778	1.184	ug/L
	Zn	68	48721.132	0.198	65.505072	1.735	2.649	ug/L
>	Ge	72	244807.281	244807.281				ug/L
	As	75	5968.808	0.024	4.610265	0.066	1.434	ug/L
	Se	77	139.003	0.000	0.135942	0.131	96.541	ug/L
	Se	82	-50.589	0.000	0.063593	0.077	120.973	ug/L
>	Rh	103	297843.943	297843.943				ug/L
	Ag	107	141.003	0.000	0.016771	0.001	6.530	ug/L
	Cd	111	329.533	0.001	0.185420	0.013	7.227	ug/L
	Cd	114	773.122	0.003	0.185588	0.002	1.329	ug/L
>	In	115	241656.601	241656.601				ug/L
	Sb	121	144211.348	0.597	24.094945	0.189	0.783	ug/L
	Sb	123	110062.540	0.455	24.005868	0.301	1.255	ug/L
	Tl	203	607.699	0.002	0.078621	0.004	5.571	ug/L
	Tl	205	1467.165	0.004	0.080530	0.001	1.355	ug/L
	Pb	208	2878348.879	8.764	123.976578	1.139	0.919	ug/L
>	Bi	209	328388.634	328388.634				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	94.459
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.348
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.766
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	99.243

: 00600

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.086

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	348767.486	348767.486		ug/L
Be	9	18.000	0.000	0.075883	ug/L
V	51	15180.328	0.051	1.867804	ug/L
Cu	63	119550.342	0.487	30.806081	ug/L
Cu	65	55888.358	0.228	29.889112	ug/L
Zn	66	66287.624	0.270	65.015589	ug/L
Zn	68	48701.963	0.198	66.353316	ug/L
Ge	72	246253.807	246253.807		ug/L
As	75	5089.486	0.024	4.617561	ug/L
Se	77	148.003	0.000	0.225987	ug/L
Se	82	49.616	0.000	0.071224	ug/L
Rh	103	298384.807	298384.807		ug/L
Ag	107	137.003	0.000	0.016143	ug/L
Cd	111	337.088	0.001	0.188716	ug/L
Cd	114	772.319	0.003	0.184437	ug/L
In	115	242588.008	242588.008		ug/L
Sb	121	143747.447	0.582	23.924618	ug/L
Sb	123	108882.266	0.449	23.673700	ug/L
Tl	203	632.034	0.002	0.080868	ug/L
Tl	205	1486.171	0.004	0.081020	ug/L
Pb	208	2888842.988	8.673	122.682273	ug/L
Bi	209	332767.788	332767.788		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	344204.618	344204.618		ug/L
Be	9	9.000	0.000	0.034486	ug/L
V	51	14940.227	0.051	1.844214	ug/L
Cu	63	118930.481	0.480	30.178008	ug/L
Cu	65	56150.388	0.230	30.278409	ug/L
Zn	66	67378.482	0.278	66.562889	ug/L
Zn	68	48787.189	0.203	67.310833	ug/L
Ge	72	243217.218	243217.218		ug/L
As	75	6012.087	0.026	4.672389	ug/L
Se	77	144.003	0.000	0.186807	ug/L
Se	82	40.482	0.000	0.138423	ug/L
Rh	103	295884.313	295884.313		ug/L
Ag	107	150.003	0.000	0.018036	ug/L
Cd	111	348.875	0.001	0.195887	ug/L
Cd	114	782.220	0.003	0.188419	ug/L
In	115	241513.905	241513.905		ug/L
Sb	121	143934.158	0.588	24.062382	ug/L
Sb	123	110351.236	0.457	24.062383	ug/L
Tl	203	566.038	0.002	0.073673	ug/L
Tl	205	1467.165	0.004	0.081291	ug/L
Pb	208	2873858.748	8.627	124.864012	ug/L
Bi	209	325600.501	325600.501		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	335874.231	335874.231		ug/L
Be	9	15.000	0.000	0.064040	ug/L
V	51	15150.891	0.051	1.881433	ug/L
Cu	63	118717.617	0.482	30.321678	ug/L
Cu	65	55879.280	0.227	29.821010	ug/L
Zn	66	67084.216	0.272	66.038020	ug/L
Zn	68	47704.244	0.193	63.861067	ug/L
Ge	72	245850.619	245850.619		ug/L
As	75	5804.863	0.024	4.540756	ug/L
Se	77	125.002	0.000	-0.014643	ug/L
Se	82	-61.671	0.000	-0.018888	ug/L
Rh	103	297303.009	297303.009		ug/L
Ag	107	136.003	0.000	0.016136	ug/L
Cd	111	302.839	0.001	0.170879	ug/L
Cd	114	764.827	0.003	0.183808	ug/L
In	115	240886.882	240886.882		ug/L
Sb	121	144852.446	0.602	24.297824	ug/L
Sb	123	110674.120	0.460	24.261540	ug/L
Tl	203	629.034	0.002	0.081430	ug/L
Tl	205	1438.159	0.004	0.079280	ug/L
Pb	208	2874744.902	8.792	124.373448	ug/L
Bi	209	325807.641	325807.641		ug/L

: 00601

Sample Information

Sample ID: 1002144-11
Autosampler Position: 87
Sample Date/Time: Monday, February 22, 2010 22:34:35
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-11.103
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	336723.671	336723.671				ug/L
⌊	Be	9	3.667	0.000	0.010051	0.003	27.166	ug/L
⌈	V	51	5718.485	0.013	0.415587	0.019	4.561	ug/L
|	Cu	63	1660.876	0.006	0.383786	0.001	0.334	ug/L
|	Cu	65	803.053	0.003	0.384331	0.006	1.647	ug/L
|	Zn	66	1737.229	0.007	1.584003	0.023	1.448	ug/L
|	Zn	68	1494.505	0.005	1.667048	0.047	2.848	ug/L
|>	Ge	72	245885.835	245885.835				ug/L
|	As	75	503.517	0.002	0.354184	0.024	6.793	ug/L
|	Se	77	135.669	0.000	0.095316	0.039	41.157	ug/L
⌊	Se	82	-53.451	0.000	0.043237	0.069	159.230	ug/L
⌈>	Rh	103	298508.684	298508.684				ug/L
|	Ag	107	63.001	0.000	0.006339	0.001	19.353	ug/L
|	Cd	111	18.683	0.000	0.010079	0.005	49.336	ug/L
⌊	Cd	114	26.644	0.000	0.004374	0.002	45.258	ug/L
⌈>	In	115	240535.363	240535.363				ug/L
|	Sb	121	356.346	0.001	0.049249	0.004	8.711	ug/L
⌊	Sb	123	278.048	0.001	0.051632	0.006	12.367	ug/L
⌈	Tl	203	44.001	0.000	0.000782	0.001	115.804	ug/L
|	Tl	205	99.668	0.000	0.000907	0.001	65.277	ug/L
|	Pb	208	4801.341	0.013	0.186464	0.001	0.619	ug/L
⌊>	Bi	209	324055.956	324055.956				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.007
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.781
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.989
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.783

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.779

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	336288.425	336288.425		ug/L
Be	9	4.000	0.000	0.011681	ug/L
V	51	5626.158	0.013	0.414454	ug/L
Cu	63	1635.304	0.006	0.383336	ug/L
Cu	65	806.063	0.003	0.391628	ug/L
Zn	66	1686.216	0.006	1.556302	ug/L
Zn	68	1510.175	0.006	1.717366	ug/L
Ge	72	242347.048	242347.048		ug/L
As	75	462.044	0.002	0.327440	ug/L
Se	77	138.003	0.000	0.139806	ug/L
Se	82	61.529	0.000	0.022363	ug/L
Rh	103	300231.803	300231.803		ug/L
Ag	107	87.001	0.000	0.008626	ug/L
Cd	111	15.992	0.000	0.008528	ug/L
Cd	114	17.729	0.000	0.002182	ug/L
In	115	241791.058	241791.058		ug/L
Sb	121	370.013	0.001	0.081187	ug/L
Sb	123	298.883	0.001	0.055830	ug/L
Tl	203	41.001	0.000	0.000233	ug/L
Tl	205	92.002	0.000	0.000332	ug/L
Pb	208	4880.707	0.013	0.185800	ug/L
Bi	209	331128.499	331128.499		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	337462.844	337462.844		ug/L
Be	9	4.000	0.000	0.011586	ug/L
V	51	5681.500	0.012	0.397225	ug/L
Cu	63	1688.216	0.006	0.385234	ug/L
Cu	65	808.054	0.003	0.380341	ug/L
Zn	66	1767.236	0.007	1.591302	ug/L
Zn	68	1481.168	0.006	1.623046	ug/L
Ge	72	249089.197	249089.197		ug/L
As	75	518.828	0.002	0.361043	ug/L
Se	77	136.003	0.000	0.080448	ug/L
Se	82	44.398	0.000	0.114804	ug/L
Rh	103	296838.928	296838.928		ug/L
Ag	107	52.001	0.000	0.004943	ug/L
Cd	111	11.423	0.000	0.008088	ug/L
Cd	114	33.220	0.000	0.008031	ug/L
In	115	237214.578	237214.578		ug/L
Sb	121	369.013	0.001	0.052218	ug/L
Sb	123	288.508	0.001	0.054781	ug/L
Tl	203	40.001	0.000	0.000286	ug/L
Tl	205	98.002	0.000	0.000874	ug/L
Pb	208	4727.648	0.013	0.186796	ug/L
Bi	209	320084.187	320084.187		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	336432.047	336432.047		ug/L
Be	9	3.000	0.000	0.008668	ug/L
V	51	5875.787	0.014	0.435080	ug/L
Cu	63	1658.208	0.006	0.382780	ug/L
Cu	65	798.063	0.003	0.381024	ug/L
Zn	66	1756.234	0.007	1.602406	ug/L
Zn	68	1482.171	0.006	1.660738	ug/L
Ge	72	246221.280	246221.280		ug/L
As	75	529.682	0.002	0.374068	ug/L
Se	77	133.003	0.000	0.086668	ug/L
Se	82	54.427	0.000	0.037201	ug/L
Rh	103	299468.320	299468.320		ug/L
Ag	107	70.001	0.000	0.007247	ug/L
Cd	111	28.634	0.000	0.015642	ug/L
Cd	114	26.983	0.000	0.004810	ug/L
In	115	242600.453	242600.453		ug/L
Sb	121	330.011	0.001	0.044330	ug/L
Sb	123	246.756	0.001	0.044283	ug/L
Tl	203	51.001	0.000	0.001828	ug/L
Tl	205	109.002	0.000	0.001518	ug/L
Pb	208	4788.670	0.013	0.187798	ug/L
Bi	209	320647.203	320647.203		ug/L

: 00603

Sample Information

Sample ID: 1002144-12
Autosampler Position: 88
Sample Date/Time: Monday, February 22, 2010 22:37:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-12.104
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	340672.597	340672.597				ug/L
	Be	9	2.333	0.000	0.003598	0.003	76.562	ug/L
	V	51	3059.250	0.002	0.066255	0.008	12.192	ug/L
	Cu	63	421.350	0.001	0.066583	0.003	3.950	ug/L
	Cu	65	207.338	0.000	0.065661	0.007	10.504	ug/L
	Zn	66	853.060	0.003	0.715801	0.041	5.676	ug/L
	Zn	68	816.055	0.002	0.751239	0.053	7.017	ug/L
>	Ge	72	246452.077	246452.077				ug/L
	As	75	186.529	0.001	0.108395	0.014	12.961	ug/L
	Se	77	134.669	0.000	0.081806	0.133	162.350	ug/L
	Se	82	-36.135	0.000	0.172335	0.153	89.056	ug/L
>	Rh	103	298827.784	298827.784				ug/L
	Ag	107	50.334	0.000	0.004649	0.001	18.470	ug/L
	Cd	111	1.929	0.000	0.000659	0.002	357.518	ug/L
	Cd	114	8.903	0.000	0.000065	0.000	599.141	ug/L
>	In	115	238787.122	238787.122				ug/L
	Sb	121	266.008	0.001	0.034379	0.001	2.550	ug/L
	Sb	123	220.250	0.001	0.039290	0.004	9.587	ug/L
	Tl	203	23.667	-0.000	-0.002122	0.000	8.386	ug/L
	Tl	205	61.001	-0.000	-0.001433	0.001	36.918	ug/L
	Pb	208	1420.403	0.003	0.037979	0.002	4.297	ug/L
>	Bi	209	328842.862	328842.862				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	94.098
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.008
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.095
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.065

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.223

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	340303.148	340303.148		ug/L
Be	9	2.000	0.000	0.002037	ug/L
V	51	2983.044	0.002	0.057210	ug/L
Cu	63	412.016	0.001	0.064083	ug/L
Cu	65	220.006	0.001	0.072315	ug/L
Zn	66	520.066	0.003	0.682844	ug/L
Zn	68	772.049	0.002	0.691148	ug/L
Ge	72	246993.135	246993.135		ug/L
As	75	201.012	0.001	0.119418	ug/L
Se	77	122.002	-0.000	-0.049832	ug/L
Se	82	-13.298	0.000	0.338910	ug/L
Rh	103	297583.330	297583.330		ug/L
Ag	107	43.001	0.000	0.003701	ug/L
Cd	111	2.911	-0.000	-0.002052	ug/L
Cd	114	7.018	-0.000	-0.000382	ug/L
In	115	238978.864	238978.864		ug/L
Sb	121	271.008	0.001	0.035180	ug/L
Sb	123	238.125	0.001	0.043413	ug/L
Tl	203	24.000	0.000	-0.002103	ug/L
Tl	205	65.001	-0.000	0.001234	ug/L
Pb	208	1421.070	0.003	0.037483	ug/L
Bi	209	331624.843	331624.843		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339288.446	339288.446		ug/L
Be	9	3.000	0.000	0.005778	ug/L
V	51	3081.068	0.002	0.068807	ug/L
Cu	63	422.017	0.001	0.085322	ug/L
Cu	65	209.006	0.001	0.086134	ug/L
Zn	66	544.058	0.003	0.703640	ug/L
Zn	68	848.068	0.002	0.789702	ug/L
Ge	72	247428.847	247428.847		ug/L
As	75	166.758	0.000	0.092575	ug/L
Se	77	135.003	0.000	0.079488	ug/L
Se	82	-54.529	0.000	0.038412	ug/L
Rh	103	298789.147	298789.147		ug/L
Ag	107	52.001	0.000	0.004874	ug/L
Cd	111	4.348	0.000	0.002028	ug/L
Cd	114	9.560	0.000	0.000233	ug/L
In	115	237420.434	237420.434		ug/L
Sb	121	259.007	0.001	0.033448	ug/L
Sb	123	215.124	0.001	0.038429	ug/L
Tl	203	25.000	-0.000	-0.001958	ug/L
Tl	205	51.001	-0.000	-0.002033	ug/L
Pb	208	1397.069	0.003	0.036853	ug/L
Bi	209	330561.770	330561.770		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342428.199	342428.199		ug/L
Be	9	2.000	0.000	0.001878	ug/L
V	51	3083.880	0.002	0.072749	ug/L
Cu	63	430.017	0.001	0.088333	ug/L
Cu	65	193.006	0.000	0.058644	ug/L
Zn	66	596.066	0.003	0.781120	ug/L
Zn	68	828.066	0.002	0.772886	ug/L
Ge	72	245234.149	245234.149		ug/L
As	75	191.817	0.001	0.113106	ug/L
Se	77	147.003	0.000	0.215763	ug/L
Se	82	-40.482	0.000	0.138782	ug/L
Rh	103	300110.875	300110.875		ug/L
Ag	107	56.001	0.000	0.005373	ug/L
Cd	111	4.348	0.000	0.002014	ug/L
Cd	114	10.100	0.000	0.000348	ug/L
In	115	239952.087	239952.087		ug/L
Sb	121	268.008	0.001	0.034497	ug/L
Sb	123	208.502	0.001	0.038028	ug/L
Tl	203	22.000	-0.000	-0.002308	ug/L
Tl	205	57.001	0.000	0.001032	ug/L
Pb	208	1443.070	0.003	0.039802	ug/L
Bi	209	324351.974	324351.974		ug/L

: 00605

Sample Information

Sample ID: 1002144-13
Autosampler Position: 89
Sample Date/Time: Monday, February 22, 2010 22:41:05
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-13.105
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	346914.837	346914.837				ug/L
⌊	Be	9	0.333	-0.000	-0.005827	0.003	45.655	ug/L
⌈	V	51	2464.136	-0.000	-0.012404	0.009	69.652	ug/L
|	Cu	63	467.020	0.001	0.077906	0.003	4.381	ug/L
|	Cu	65	247.673	0.001	0.086790	0.006	7.152	ug/L
|	Zn	66	927.736	0.003	0.786210	0.019	2.387	ug/L
|	Zn	68	1601.195	0.005	1.799182	0.017	0.960	ug/L
|>	Ge	72	247157.316	247157.316				ug/L
|	As	75	-26.442	-0.000	-0.056042	0.046	81.895	ug/L
|	Se	77	141.336	0.000	0.145367	0.101	69.789	ug/L
⌊	Se	82	-51.597	0.000	0.060106	0.106	176.293	ug/L
⌈>	Rh	103	296732.890	296732.890				ug/L
|	Ag	107	33.334	0.000	0.002419	0.001	30.479	ug/L
|	Cd	111	3.637	0.000	0.001636	0.002	111.710	ug/L
⌊	Cd	114	7.173	-0.000	-0.000343	0.001	213.541	ug/L
⌈>	In	115	241470.822	241470.822				ug/L
|	Sb	121	236.673	0.001	0.028979	0.001	4.528	ug/L
⌊	Sb	123	175.209	0.001	0.028917	0.001	5.102	ug/L
⌈	Tl	203	32.000	-0.000	-0.000973	0.001	138.120	ug/L
|	Tl	205	74.334	-0.000	-0.000647	0.001	142.244	ug/L
|	Pb	208	1274.724	0.002	0.031791	0.002	6.870	ug/L
⌊>	Bi	209	328191.642	328191.642				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.822
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.292
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.394
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.167

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.027

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	349888.701	349888.701		ug/L
Be	9	0.000	-0.000	-0.007382	ug/L
V	51	2444.381	-0.001	-0.016111	ug/L
Cu	63	467.018	0.001	0.074948	ug/L
Cu	65	262.007	0.001	0.093861	ug/L
Zn	66	911.087	0.003	0.766856	ug/L
Zn	68	1800.186	0.006	1.790464	ug/L
Ge	72	248001.297	248001.297		ug/L
As	75	1.103	-0.000	-0.036001	ug/L
Se	77	150.003	0.000	0.229459	ug/L
Se	82	-58.647	0.000	0.001886	ug/L
Rh	103	295404.612	295404.612		ug/L
Ag	107	30.000	0.000	0.001994	ug/L
Cd	111	5.634	0.000	0.002727	ug/L
Cd	114	5.908	-0.000	-0.000718	ug/L
In	115	239866.969	239866.969		ug/L
Sb	121	240.006	0.001	0.029834	ug/L
Sb	123	181.249	0.001	0.030529	ug/L
Tl	203	43.001	0.000	0.000477	ug/L
Tl	205	84.001	-0.000	-0.001306	ug/L
Pb	208	1350.083	0.002	0.034240	ug/L
Bi	209	332861.427	332861.427		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343988.499	343988.499		ug/L
Be	9	0.000	-0.000	-0.007382	ug/L
V	51	2518.246	-0.000	-0.002529	ug/L
Cu	63	477.021	0.001	0.081641	ug/L
Cu	65	238.008	0.001	0.082924	ug/L
Zn	66	937.071	0.003	0.804329	ug/L
Zn	68	1800.186	0.006	1.819088	ug/L
Ge	72	244720.987	244720.987		ug/L
As	75	14.843	-0.000	-0.024439	ug/L
Se	77	129.002	0.000	0.032992	ug/L
Se	82	-34.513	0.000	0.182418	ug/L
Rh	103	299241.510	299241.510		ug/L
Ag	107	40.001	0.000	0.003270	ug/L
Cd	111	5.474	0.000	0.002653	ug/L
Cd	114	10.716	0.000	0.000502	ug/L
In	115	242886.804	242886.804		ug/L
Sb	121	229.006	0.001	0.027468	ug/L
Sb	123	174.752	0.001	0.029589	ug/L
Tl	203	23.000	-0.000	0.002176	ug/L
Tl	205	67.001	-0.000	-0.001041	ug/L
Pb	208	1222.083	0.002	0.030048	ug/L
Bi	209	325084.281	325084.281		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	347110.313	347110.313		ug/L
Be	9	1.000	-0.000	-0.007382	ug/L
V	51	2432.771	-0.001	-0.018671	ug/L
Cu	63	467.020	0.001	0.077128	ug/L
Cu	65	243.007	0.001	0.083498	ug/L
Zn	66	938.071	0.003	0.787448	ug/L
Zn	68	1803.186	0.006	1.788023	ug/L
Ge	72	248749.864	248749.864		ug/L
As	75	-95.084	-0.001	-0.108686	ug/L
Se	77	148.003	0.000	0.173952	ug/L
Se	82	-60.631	0.000	-0.003982	ug/L
Rh	103	295552.549	295552.549		ug/L
Ag	107	30.000	0.000	0.001992	ug/L
Cd	111	0.098	0.000	-0.000474	ug/L
Cd	114	5.208	-0.000	-0.000814	ug/L
In	115	241880.088	241880.088		ug/L
Sb	121	241.008	0.001	0.029834	ug/L
Sb	123	169.826	0.001	0.027533	ug/L
Tl	203	30.000	-0.000	-0.001219	ug/L
Tl	205	92.002	0.000	0.000405	ug/L
Pb	208	1252.066	0.002	0.031087	ug/L
Bi	209	326849.209	326849.209		ug/L

: 00607

Sample Information

Sample ID: 1002144-15
Autosampler Position: 90
Sample Date/Time: Monday, February 22, 2010 22:44:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-15.106
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	341201.490	341201.490				ug/L
⌊	Be	9	1.333	-0.000	-0.001126	0.003	235.040	ug/L
⌈	V	51	3799.032	0.005	0.160585	0.011	6.919	ug/L
|	Cu	63	1092.428	0.004	0.236485	0.008	3.259	ug/L
|	Cu	65	545.026	0.002	0.244419	0.014	5.805	ug/L
|	Zn	66	1021.083	0.004	0.875290	0.025	2.861	ug/L
|	Zn	68	926.069	0.003	0.892843	0.035	3.891	ug/L
|>	Ge	72	247686.482	247686.482				ug/L
|	As	75	391.180	0.001	0.264975	0.012	4.457	ug/L
|	Se	77	144.336	0.000	0.174148	0.081	46.579	ug/L
⌊	Se	82	-36.154	0.000	0.174333	0.077	44.117	ug/L
⌈>	Rh	103	299455.214	299455.214				ug/L
|	Ag	107	30.334	0.000	0.001988	0.000	23.543	ug/L
|	Cd	111	1.322	0.000	0.000271	0.004	1420.210	ug/L
⌊	Cd	114	12.634	0.000	0.000960	0.001	118.927	ug/L
⌈>	In	115	240050.227	240050.227				ug/L
|	Sb	121	229.006	0.001	0.027919	0.004	13.135	ug/L
⌊	Sb	123	181.125	0.001	0.030439	0.004	12.371	ug/L
⌈	Tl	203	27.334	-0.000	-0.001572	0.001	50.559	ug/L
|	Tl	205	74.668	-0.000	-0.000596	0.000	23.416	ug/L
|	Pb	208	2567.205	0.006	0.088418	0.002	2.795	ug/L
⌊>	Bi	209	325486.665	325486.665				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.244
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.504
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.306
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.583

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980 98.210

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
U	6	334886.330	334886.330		ug/L
Be	9	1.000	-0.000	-0.002567	ug/L
V	51	3771.083	0.006	0.150812	ug/L
Cu	63	1076.082	0.004	0.228906	ug/L
Cu	65	548.028	0.002	0.241251	ug/L
Zn	66	1028.084	0.004	0.887649	ug/L
Zn	68	958.073	0.003	0.915828	ug/L
> Ge	72	250780.181	250780.181		ug/L
As	75	397.514	0.001	0.286218	ug/L
Se	77	137.003	0.000	0.061331	ug/L
Se	82	-41.568	0.000	0.137523	ug/L
> Rh	103	308448.702	308448.702		ug/L
Ag	107	28.000	0.000	0.001580	ug/L
Cd	111	8.348	0.000	0.004708	ug/L
Cd	114	12.648	0.000	0.000843	ug/L
> In	115	239644.979	239644.979		ug/L
Sb	121	243.007	0.001	0.030123	ug/L
Sb	123	200.288	0.001	0.034687	ug/L
Tl	203	22.000	-0.000	-0.002362	ug/L
Tl	205	78.001	-0.000	-0.000463	ug/L
Pb	208	2688.214	0.008	0.090784	ug/L
> Bi	209	330088.640	330088.640		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
U	6	344444.781	344444.781		ug/L
Be	9	1.000	-0.000	-0.002719	ug/L
V	51	3811.038	0.006	0.156274	ug/L
Cu	63	1100.086	0.004	0.236237	ug/L
Cu	65	526.025	0.002	0.233082	ug/L
Zn	66	1008.081	0.004	0.854987	ug/L
Zn	68	903.068	0.003	0.862881	ug/L
> Ge	72	249572.648	249572.648		ug/L
As	75	408.600	0.001	0.276117	ug/L
Se	77	149.003	0.000	0.208670	ug/L
Se	82	43.403	0.000	0.122746	ug/L
> Rh	103	294617.058	294617.058		ug/L
Ag	107	29.000	0.000	0.001670	ug/L
Cd	111	-2.132	-0.000	-0.001638	ug/L
Cd	114	7.800	-0.000	-0.000173	ug/L
> In	115	239881.557	239881.557		ug/L
Sb	121	241.006	0.001	0.029949	ug/L
Sb	123	175.626	0.001	0.029241	ug/L
Tl	203	33.000	-0.000	-0.000773	ug/L
Tl	205	72.001	-0.000	-0.000741	ug/L
Pb	208	2584.208	0.008	0.088569	ug/L
> Bi	209	324642.750	324642.750		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
U	6	344263.348	344263.348		ug/L
Be	9	2.000	0.000	0.001929	ug/L
V	51	3814.975	0.006	0.172689	ug/L
Cu	63	1101.086	0.004	0.244313	ug/L
Cu	65	563.028	0.002	0.258925	ug/L
Zn	66	1029.084	0.004	0.903284	ug/L
Zn	68	920.069	0.003	0.909820	ug/L
> Ge	72	247728.620	247728.620		ug/L
As	75	387.428	0.001	0.252583	ug/L
Se	77	147.003	0.000	0.231444	ug/L
Se	82	23.488	0.000	0.262731	ug/L
> Rh	103	297299.883	297299.883		ug/L
Ag	107	34.000	0.000	0.002503	ug/L
Cd	111	3.252	-0.000	-0.002256	ug/L
Cd	114	17.256	0.000	0.002109	ug/L
> In	115	240224.244	240224.244		ug/L
Sb	121	204.006	0.001	0.023886	ug/L
Sb	123	167.509	0.001	0.027418	ug/L
Tl	203	27.000	-0.000	-0.001579	ug/L
Tl	205	74.001	-0.000	-0.000694	ug/L
Pb	208	2479.194	0.008	0.085891	ug/L
> Bi	209	321760.606	321760.606		ug/L

: 00609

Sample Information

Sample ID: 1002144-16
Autosampler Position: 91
Sample Date/Time: Monday, February 22, 2010 22:47:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-16.107
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	344797.070	344797.070				ug/L
⌊	Be	9	4.667	0.000	0.014273	0.003	17.908	ug/L
⌈	V	51	5296.664	0.011	0.367424	0.006	1.553	ug/L
|	Cu	63	1982.962	0.007	0.471439	0.017	3.548	ug/L
|	Cu	65	956.407	0.004	0.471483	0.006	1.249	ug/L
|	Zn	66	1182.776	0.004	1.052711	0.036	3.400	ug/L
|	Zn	68	1102.429	0.003	1.154393	0.015	1.266	ug/L
|>	Ge	72	243374.538	243374.538				ug/L
|	As	75	240.651	0.001	0.152496	0.019	12.675	ug/L
|	Se	77	124.002	-0.000	-0.011616	0.259	2232.611	ug/L
⌊	Se	82	-30.416	0.000	0.211763	0.061	28.806	ug/L
⌈>	Rh	103	297267.587	297267.587				ug/L
|	Ag	107	42.001	0.000	0.003573	0.000	8.381	ug/L
|	Cd	111	17.294	0.000	0.009353	0.001	12.548	ug/L
⌊	Cd	114	10.691	0.000	0.000512	0.001	174.658	ug/L
⌈>	In	115	241441.024	241441.024				ug/L
|	Sb	121	222.339	0.001	0.026573	0.003	12.713	ug/L
⌊	Sb	123	182.918	0.001	0.030596	0.002	7.465	ug/L
⌈	Tl	203	34.667	-0.000	-0.000631	0.002	260.606	ug/L
|	Tl	205	82.001	-0.000	-0.000219	0.000	193.388	ug/L
|	Pb	208	6582.582	0.018	0.259657	0.005	1.735	ug/L
⌊>	Bi	209	329351.997	329351.997				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.237
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.772
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.573
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.155

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.377

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342381.016	342381.016		ug/L
Be	9	4.000	0.000	0.011322	ug/L
V	51	5268.120	0.011	0.361538	ug/L
Cu	63	1920.277	0.007	0.453609	ug/L
Cu	65	970.076	0.004	0.477201	ug/L
Zn	66	1153.108	0.004	1.019882	ug/L
Zn	68	1115.098	0.004	1.186737	ug/L
Ge	72	244158.206	244158.206		ug/L
As	75	253.808	0.001	0.162075	ug/L
Se	77	143.003	0.000	0.180987	ug/L
Se	82	37.521	0.000	0.158469	ug/L
Rh	103	297039.371	297039.371		ug/L
Ag	107	40.001	0.000	0.003310	ug/L
Cd	111	19.615	0.000	0.010872	ug/L
Cd	114	13.386	0.000	0.001170	ug/L
In	115	242388.647	242388.647		ug/L
Sb	121	246.007	0.001	0.030378	ug/L
Sb	123	193.627	0.001	0.032773	ug/L
Tl	203	48.001	0.000	0.001120	ug/L
Tl	205	78.001	-0.000	-0.000842	ug/L
Pb	208	6800.286	0.018	0.258715	ug/L
Bi	209	334830.341	334830.341		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	345362.071	345362.071		ug/L
Be	9	5.000	0.000	0.015782	ug/L
V	51	5265.309	0.011	0.367788	ug/L
Cu	63	2029.309	0.008	0.486786	ug/L
Cu	65	939.071	0.004	0.465438	ug/L
Zn	66	1170.108	0.004	1.047707	ug/L
Zn	68	1068.095	0.004	1.156184	ug/L
Ge	72	241804.100	241804.100		ug/L
As	75	210.775	0.001	0.130248	ug/L
Se	77	133.003	0.000	0.090883	ug/L
Se	82	21.262	0.000	0.278777	ug/L
Rh	103	297022.699	297022.699		ug/L
Ag	107	43.001	0.000	0.003711	ug/L
Cd	111	16.590	0.000	0.009983	ug/L
Cd	114	6.494	0.000	0.000507	ug/L
In	115	241073.277	241073.277		ug/L
Sb	121	215.006	0.001	0.025409	ug/L
Sb	123	171.752	0.001	0.028219	ug/L
Tl	203	23.000	-0.000	-0.002140	ug/L
Tl	205	80.001	0.000	-0.000223	ug/L
Pb	208	6538.222	0.018	0.264668	ug/L
Bi	209	321477.264	321477.264		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346868.123	346868.123		ug/L
Be	9	5.000	0.000	0.015706	ug/L
V	51	5308.572	0.012	0.372936	ug/L
Cu	63	1999.309	0.008	0.479847	ug/L
Cu	65	980.074	0.004	0.471812	ug/L
Zn	66	1225.117	0.005	1.090743	ug/L
Zn	68	1094.096	0.003	1.136256	ug/L
Ge	72	244161.309	244161.309		ug/L
As	75	257.570	0.001	0.165184	ug/L
Se	77	98.002	-0.000	0.308497	ug/L
Se	82	-32.486	0.000	0.197044	ug/L
Rh	103	297740.690	297740.690		ug/L
Ag	107	43.001	0.000	0.003898	ug/L
Cd	111	15.677	0.000	0.008425	ug/L
Cd	114	12.196	0.000	0.000874	ug/L
In	115	240861.146	240861.146		ug/L
Sb	121	208.005	0.001	0.023831	ug/L
Sb	123	183.376	0.001	0.030796	ug/L
Tl	203	33.000	0.000	0.000872	ug/L
Tl	205	90.001	0.000	0.000207	ug/L
Pb	208	6609.266	0.018	0.256080	ug/L
Bi	209	331748.387	331748.387		ug/L

: 00611

Sample Information

Sample ID: 1002144-17
Autosampler Position: 92
Sample Date/Time: Monday, February 22, 2010 22:50:51
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-17.108
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	344078.205	344078.205				ug/L
	Be	9	1.667	0.000	0.000377	0.007	1875.235	ug/L
	V	51	9383.274	0.028	0.898117	0.010	1.145	ug/L
	Cu	63	6302.175	0.025	1.574029	0.023	1.478	ug/L
	Cu	65	2968.647	0.012	1.544888	0.073	4.698	ug/L
	Zn	66	3466.876	0.014	3.286472	0.093	2.829	ug/L
	Zn	68	2789.906	0.010	3.417280	0.050	1.458	ug/L
>	Ge	72	245394.052	245394.052				ug/L
	As	75	2341.781	0.009	1.782542	0.068	3.816	ug/L
	Se	77	133.669	0.000	0.077837	0.109	140.480	ug/L
	Se	82	-32.778	0.000	0.195946	0.105	53.476	ug/L
>	Rh	103	300237.763	300237.763				ug/L
	Ag	107	62.001	0.000	0.006167	0.002	37.544	ug/L
	Cd	111	30.580	0.000	0.016689	0.003	15.876	ug/L
	Cd	114	47.181	0.000	0.009276	0.003	32.146	ug/L
>	In	115	241414.036	241414.036				ug/L
	Sb	121	1010.415	0.004	0.158438	0.006	3.475	ug/L
	Sb	123	762.044	0.003	0.157095	0.011	6.687	ug/L
	Tl	203	51.334	0.000	0.001622	0.001	90.166	ug/L
	Tl	205	129.336	0.000	0.002460	0.000	19.814	ug/L
	Pb	208	35698.264	0.106	1.496301	0.054	3.602	ug/L
>	Bi	209	332581.030	332581.030				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.038
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.583
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.568
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	99.144

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.351

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	346805.229	346805.229		ug/L
Be	9	3.000	0.000	0.008612	ug/L
V	51	9369.318	0.028	0.887583	ug/L
Cu	63	6262.807	0.025	1.647429	ug/L
Cu	65	2980.643	0.012	1.534279	ug/L
Zn	66	3447.886	0.013	3.232933	ug/L
Zn	68	2706.576	0.010	3.387823	ug/L
Ge	72	247923.670	247823.670		ug/L
As	75	2377.267	0.009	1.791288	ug/L
Se	77	123.002	-0.000	-0.045834	ug/L
Se	82	-31.506	0.000	0.207738	ug/L
Rh	103	299981.611	299981.611		ug/L
Ag	107	47.001	0.000	0.004185	ug/L
Cd	111	25.358	0.000	0.013779	ug/L
Cd	114	61.338	0.000	0.012998	ug/L
In	115	240886.353	240886.353		ug/L
Sb	121	972.076	0.004	0.152380	ug/L
Sb	123	783.297	0.003	0.164289	ug/L
Tl	203	51.001	0.000	0.001344	ug/L
Tl	205	130.002	0.000	0.002249	ug/L
Pb	208	35481.906	0.102	1.436276	ug/L
Bi	209	343825.646	343825.646		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	344134.348	344134.348		ug/L
Be	9	0.000	-0.000	-0.007362	ug/L
V	51	9330.908	0.028	0.898838	ug/L
Cu	63	6328.806	0.026	1.590589	ug/L
Cu	65	3100.704	0.012	1.625847	ug/L
Zn	66	3564.920	0.014	3.363837	ug/L
Zn	68	2815.583	0.011	3.474800	ug/L
Ge	72	243810.988	243810.988		ug/L
As	75	2408.883	0.010	1.845778	ug/L
Se	77	141.003	0.000	0.181707	ug/L
Se	82	-19.356	0.000	0.294338	ug/L
Rh	103	301418.161	301418.161		ug/L
Ag	107	58.001	0.000	0.005808	ug/L
Cd	111	31.643	0.000	0.017328	ug/L
Cd	114	38.772	0.000	0.007213	ug/L
In	115	241791.086	241791.086		ug/L
Sb	121	1040.088	0.004	0.163138	ug/L
Sb	123	788.848	0.003	0.161988	ug/L
Tl	203	62.001	0.000	0.003204	ug/L
Tl	205	137.003	0.000	0.003018	ug/L
Pb	208	35688.941	0.107	1.512089	ug/L
Bi	209	327627.532	327627.532		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
U	8	342296.038	342296.038		ug/L
Be	9	2.000	0.000	0.001982	ug/L
V	51	9419.589	0.028	0.908129	ug/L
Cu	63	6314.853	0.026	1.584088	ug/L
Cu	65	2944.586	0.011	1.484838	ug/L
Zn	66	3387.842	0.013	3.232646	ug/L
Zn	68	2757.580	0.010	3.389418	ug/L
Ge	72	244347.518	244347.518		ug/L
As	75	2239.514	0.009	1.710584	ug/L
Se	77	137.003	0.000	0.117638	ug/L
Se	82	-47.474	0.000	0.088784	ug/L
Rh	103	299316.516	299316.516		ug/L
Ag	107	81.001	0.000	0.008712	ug/L
Cd	111	34.538	0.000	0.018863	ug/L
Cd	114	41.438	0.000	0.007821	ug/L
In	115	241566.656	241566.656		ug/L
Sb	121	1019.083	0.004	0.159788	ug/L
Sb	123	707.287	0.003	0.145040	ug/L
Tl	203	41.001	0.000	0.000318	ug/L
Tl	205	121.002	0.000	0.002114	ug/L
Pb	208	38056.886	0.108	1.540568	ug/L
Bi	209	326189.814	326189.814		ug/L

: 20613

Sample Information

Sample ID: 1002144-18
Autosampler Position: 93
Sample Date/Time: Monday, February 22, 2010 22:54:06
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-18.109
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	342342.591	342342.591				ug/L
	Be	9	1.667	0.000	0.000442	0.010	2212.114	ug/L
	V	51	8554.921	0.024	0.783431	0.012	1.565	ug/L
	Cu	63	7622.808	0.030	1.902093	0.009	0.492	ug/L
	Cu	65	3628.291	0.014	1.887781	0.017	0.878	ug/L
	Zn	66	3150.394	0.012	2.959159	0.139	4.714	ug/L
	Zn	68	2510.800	0.009	3.023154	0.018	0.595	ug/L
>	Ge	72	246679.517	246679.517				ug/L
	As	75	2165.463	0.009	1.636996	0.025	1.507	ug/L
	Se	77	118.336	-0.000	-0.087278	0.131	150.217	ug/L
	Se	82	-25.755	0.000	0.249253	0.127	51.120	ug/L
>	Rh	103	301442.997	301442.997				ug/L
	Ag	107	56.667	0.000	0.005429	0.001	12.539	ug/L
	Cd	111	16.740	0.000	0.008911	0.002	24.086	ug/L
	Cd	114	34.800	0.000	0.006260	0.002	35.685	ug/L
>	In	115	245661.198	245661.198				ug/L
	Sb	121	984.411	0.004	0.151250	0.003	2.290	ug/L
	Sb	123	757.295	0.003	0.153208	0.004	2.392	ug/L
	Tl	203	45.667	0.000	0.000839	0.000	37.101	ug/L
	Tl	205	94.668	0.000	0.000456	0.000	25.074	ug/L
	Pb	208	25453.645	0.075	1.058421	0.020	1.917	ug/L
>	Bi	209	333008.779	333008.779				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	94.559
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.100
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.971
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	100.888

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.480

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	340899.610	340899.610		ug/L
Be	9	0.000	-0.000	-0.007382	ug/L
V	51	8394.873	0.024	0.768482	ug/L
Cu	63	7803.120	0.030	1.906292	ug/L
Cu	65	3612.980	0.014	1.891788	ug/L
Zn	66	2999.680	0.012	2.830442	ug/L
Zn	68	2504.464	0.009	3.035840	ug/L
Ge	72	245134.824	245134.824		ug/L
As	75	2166.040	0.008	1.647086	ug/L
Se	77	130.002	0.000	0.040798	ug/L
Se	82	-30.474	0.000	0.212760	ug/L
Rh	103	302080.788	302080.788		ug/L
Ag	107	51.001	0.000	0.004857	ug/L
Cd	111	12.331	0.000	0.008437	ug/L
Cd	114	44.099	0.000	0.008467	ug/L
In	115	247382.981	247382.981		ug/L
Sb	121	974.078	0.004	0.148432	ug/L
Sb	123	754.870	0.003	0.151503	ug/L
Tl	203	47.001	0.000	0.000884	ug/L
Tl	205	98.002	0.000	0.000342	ug/L
Pb	208	25566.216	0.073	1.036134	ug/L
Bi	209	341290.638	341290.638		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	340503.381	340503.381		ug/L
Be	9	4.000	0.000	0.011425	ug/L
V	51	8567.546	0.024	0.788275	ug/L
Cu	63	7580.074	0.030	1.891521	ug/L
Cu	65	3583.936	0.014	1.899599	ug/L
Zn	66	3292.782	0.013	3.107378	ug/L
Zn	68	2488.468	0.009	3.002940	ug/L
Ge	72	245988.439	245988.439		ug/L
As	75	2182.615	0.008	1.655013	ug/L
Se	77	105.002	-0.000	0.221245	ug/L
Se	82	6.426	0.000	0.380939	ug/L
Rh	103	302265.974	302265.974		ug/L
Ag	107	61.001	0.000	0.005978	ug/L
Cd	111	19.256	0.000	0.010281	ug/L
Cd	114	25.451	0.000	0.004000	ug/L
In	115	245691.746	245691.746		ug/L
Sb	121	1008.081	0.004	0.155118	ug/L
Sb	123	745.798	0.003	0.150708	ug/L
Tl	203	43.001	0.000	0.000818	ug/L
Tl	205	98.002	0.000	0.000871	ug/L
Pb	208	25398.788	0.075	1.063308	ug/L
Bi	209	330878.437	330878.437		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	345824.802	345824.802		ug/L
Be	9	1.000	-0.000	-0.002736	ug/L
V	51	8702.343	0.025	0.792627	ug/L
Cu	63	7705.231	0.030	1.905466	ug/L
Cu	65	3687.988	0.014	1.901987	ug/L
Zn	66	3158.720	0.012	2.939667	ug/L
Zn	68	2539.477	0.009	3.031040	ug/L
Ge	72	248915.268	248915.268		ug/L
As	75	2148.534	0.008	1.608889	ug/L
Se	77	120.002	-0.000	-0.081358	ug/L
Se	82	-40.384	0.000	0.144089	ug/L
Rh	103	299972.229	299972.229		ug/L
Ag	107	58.001	0.000	0.005642	ug/L
Cd	111	18.634	0.000	0.010016	ug/L
Cd	114	34.861	0.000	0.008312	ug/L
In	115	243908.868	243908.868		ug/L
Sb	121	971.076	0.004	0.150201	ug/L
Sb	123	771.420	0.003	0.157415	ug/L
Tl	203	47.001	0.000	0.001136	ug/L
Tl	205	93.002	0.000	0.000457	ug/L
Pb	208	25407.931	0.076	1.075820	ug/L
Bi	209	327057.263	327057.263		ug/L

: 00615

Sample Information

Sample ID: 1002144-19
Autosampler Position: 94
Sample Date/Time: Monday, February 22, 2010 22:57:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-19.110
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	343052.874	343052.874				ug/L
⌊	Be	9	2.000	0.000	0.001978	0.005	237.132	ug/L
⌈	V	51	13915.641	0.046	1.497281	0.052	3.489	ug/L
|	Cu	63	34478.698	0.140	8.813759	0.087	0.991	ug/L
|	Cu	65	16233.588	0.066	8.667583	0.037	0.431	ug/L
|	Zn	66	1550.851	0.006	1.407921	0.037	2.658	ug/L
|	Zn	68	1335.472	0.004	1.460236	0.052	3.578	ug/L
|>	Ge	72	244835.192	244835.192				ug/L
|	As	75	1496.265	0.006	1.128820	0.054	4.820	ug/L
|	Se	77	138.669	0.000	0.132094	0.123	93.198	ug/L
⌊	Se	82	-18.382	0.000	0.301717	0.131	43.423	ug/L
⌈>	Rh	103	293101.965	293101.965				ug/L
|	Ag	107	42.334	0.000	0.003697	0.001	30.903	ug/L
|	Cd	111	10.776	0.000	0.005764	0.004	75.679	ug/L
⌊	Cd	114	59.356	0.000	0.012558	0.003	22.672	ug/L
⌈>	In	115	240415.961	240415.961				ug/L
|	Sb	121	12401.882	0.051	2.073183	0.023	1.090	ug/L
⌊	Sb	123	9362.599	0.039	2.044342	0.042	2.056	ug/L
⌈	Tl	203	31.334	-0.000	-0.001046	0.000	35.082	ug/L
|	Tl	205	71.668	-0.000	-0.000806	0.000	57.524	ug/L
|	Pb	208	23858.766	0.071	1.006591	0.013	1.268	ug/L
⌊>	Bi	209	327791.180	327791.180				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.755
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.359
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.178
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.734

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
	Bi	208.980

98.906

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342773.172	342773.179		ug/L
Be	9	3.000	0.000	0.008535	ug/L
V	51	13598.921	0.045	1.454588	ug/L
Cu	63	34106.674	0.139	8.713129	ug/L
Cu	65	16175.466	0.066	8.531303	ug/L
Zn	66	1538.161	0.008	1.386898	ug/L
Zn	68	1307.133	0.004	1.421032	ug/L
Ge	72	244976.529	244976.529		ug/L
As	75	1486.408	0.006	1.120313	ug/L
Se	77	128.002	-0.000	-0.010047	ug/L
Se	82	-10.402	0.000	0.361288	ug/L
Rh	103	293862.919	293862.919		ug/L
Ag	107	39.000	0.000	0.003232	ug/L
Cd	111	10.898	0.000	0.005810	ug/L
Cd	114	46.210	0.000	0.006282	ug/L
In	115	242779.524	242779.524		ug/L
Sb	121	12537.118	0.051	2.075287	ug/L
Sb	123	9318.037	0.038	2.013686	ug/L
Tl	203	30.000	-0.000	-0.001303	ug/L
Tl	205	82.001	-0.000	-0.000278	ug/L
Pb	208	23989.835	0.070	0.984803	ug/L
Bi	209	333381.881	333381.881		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	340145.917	340146.917		ug/L
Be	9	2.000	0.000	0.002041	ug/L
V	51	14289.974	0.048	1.564523	ug/L
Cu	63	34482.378	0.141	8.857847	ug/L
Cu	65	16226.579	0.066	8.705988	ug/L
Zn	66	1513.179	0.008	1.372167	ug/L
Zn	68	1314.134	0.004	1.440126	ug/L
Ge	72	243863.394	243863.394		ug/L
As	75	1563.622	0.006	1.186879	ug/L
Se	77	145.003	0.000	0.204825	ug/L
Se	82	-38.513	0.000	0.151501	ug/L
Rh	103	293534.831	293534.831		ug/L
Ag	107	52.001	0.000	0.004998	ug/L
Cd	111	3.143	0.000	0.001379	ug/L
Cd	114	67.074	0.000	0.014433	ug/L
In	115	237298.883	237298.883		ug/L
Sb	121	12367.822	0.052	2.094686	ug/L
Sb	123	9458.227	0.040	2.092256	ug/L
Tl	203	30.000	-0.000	-0.001208	ug/L
Tl	205	68.001	-0.000	-0.000982	ug/L
Pb	208	24033.943	0.072	1.020142	ug/L
Bi	209	325881.291	325881.291		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346239.532	346239.532		ug/L
Be	9	1.000	0.000	0.002742	ug/L
V	51	13857.028	0.048	1.481731	ug/L
Cu	63	34847.143	0.141	8.870502	ug/L
Cu	65	16298.737	0.066	8.666460	ug/L
Zn	66	1600.198	0.008	1.449829	ug/L
Zn	68	1385.148	0.005	1.519651	ug/L
Ge	72	245875.663	245875.663		ug/L
As	75	1438.788	0.006	1.079167	ug/L
Se	77	146.003	0.000	0.201504	ug/L
Se	82	-8.230	0.000	0.392383	ug/L
Rh	103	291908.146	291908.146		ug/L
Ag	107	36.000	0.000	0.002858	ug/L
Cd	111	15.297	0.000	0.010104	ug/L
Cd	114	64.783	0.000	0.013958	ug/L
In	115	241171.675	241171.675		ug/L
Sb	121	12300.705	0.051	2.049867	ug/L
Sb	123	9314.534	0.038	2.027074	ug/L
Tl	203	34.000	-0.000	-0.000628	ug/L
Tl	205	65.001	-0.000	-0.001148	ug/L
Pb	208	23562.422	0.071	1.004827	ug/L
Bi	209	324110.387	324110.387		ug/L

00617

Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 22, 2010 23:00:35
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.111
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	341265.989	341265.989				ug/L
⌊	Be	9	7910.458	0.023	37.069701	1.069	2.883	ug/L
⌈	V	51	282110.081	1.161	37.381528	0.736	1.969	ug/L
|	Cu	63	150301.612	0.623	39.182878	0.794	2.026	ug/L
⌊	Cu	65	72023.015	0.299	39.231516	0.135	0.344	ug/L
⌈	Zn	66	38795.801	0.161	38.684183	0.623	1.611	ug/L
⌊	Zn	68	27951.200	0.115	38.035997	0.679	1.784	ug/L
⌈>	Ge	72	240956.954	240956.954				ug/L
⌈	As	75	48842.621	0.203	38.589786	0.788	2.042	ug/L
⌊	Se	77	3724.008	0.015	37.834788	0.486	1.286	ug/L
⌊	Se	82	4959.463	0.021	37.791257	0.592	1.567	ug/L
⌈>	Rh	103	289166.898	289166.898				ug/L
⌈	Ag	107	284023.920	0.982	39.025359	0.384	0.983	ug/L
⌊	Cd	111	65487.302	0.227	38.045697	1.045	2.748	ug/L
⌊	Cd	114	152555.504	0.528	38.144829	0.674	1.768	ug/L
⌈>	In	115	234543.541	234543.541				ug/L
⌈	Sb	121	210559.002	0.898	36.257630	1.429	3.941	ug/L
⌊	Sb	123	163108.495	0.695	36.664271	1.597	4.357	ug/L
⌈	Tl	203	269787.611	0.849	38.536005	0.752	1.951	ug/L
⌊	Tl	205	643338.367	2.023	38.729679	0.406	1.048	ug/L
⌈	Pb	208	863315.648	2.714	38.394027	0.399	1.039	ug/L
⌊>	Bi	209	317917.810	317917.810				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.262
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
⌊	Cu	64.928	
⌈	Zn	65.926	
⌊	Zn	67.925	
⌈>	Ge	71.922	96.801
⌈	As	74.922	
⌊	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	96.859
⌈	Ag	106.905	
⌊	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	96.322

: 00618

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	95.927

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	337754.320	337754.320		ug/L
Be	9	8008.987	0.034	37.913197	ug/L
V	51	278021.288	1.138	38.575846	ug/L
Cu	63	148847.976	0.617	38.782588	ug/L
Cu	65	72489.687	0.298	39.213544	ug/L
Zn	66	38880.857	0.158	38.300547	ug/L
Zn	68	27576.406	0.113	37.258182	ug/L
Ge	72	242827.329	242827.329		ug/L
As	75	48432.120	0.199	38.000879	ug/L
Se	77	3712.001	0.015	37.438032	ug/L
Se	82	4907.327	0.020	37.142274	ug/L
Rh	103	291668.116	291668.116		ug/L
Ag	107	283607.509	0.972	38.634620	ug/L
Cd	111	64784.203	0.222	37.275606	ug/L
Cd	114	150752.664	0.517	37.388886	ug/L
In	115	235813.984	235813.984		ug/L
Sb	121	203782.024	0.868	34.925407	ug/L
Sb	123	154236.251	0.663	34.864025	ug/L
Tl	203	268827.986	0.831	37.741344	ug/L
Tl	205	651767.880	2.015	38.572349	ug/L
Pb	208	868711.020	2.686	37.976487	ug/L
Bi	209	323382.914	323382.914		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	341618.783	341618.783		ug/L
Be	9	7998.564	0.023	37.427991	ug/L
V	51	283220.180	1.166	37.550384	ug/L
Cu	63	148214.402	0.615	38.686720	ug/L
Cu	65	71749.270	0.298	39.108412	ug/L
Zn	66	38438.532	0.159	38.348808	ug/L
Zn	68	28278.147	0.116	38.508887	ug/L
Ge	72	240808.214	240808.214		ug/L
As	75	49944.286	0.207	39.484784	ug/L
Se	77	3707.999	0.015	37.688823	ug/L
Se	82	5024.482	0.021	38.302797	ug/L
Rh	103	286435.072	286435.072		ug/L
Ag	107	281464.797	0.983	39.040127	ug/L
Cd	111	66908.338	0.234	39.235743	ug/L
Cd	114	152897.246	0.534	38.581337	ug/L
In	115	235080.711	235080.711		ug/L
Sb	121	210064.929	0.893	36.080617	ug/L
Sb	123	164680.801	0.700	36.920863	ug/L
Tl	203	269099.966	0.851	38.630728	ug/L
Tl	205	647821.983	2.047	39.190476	ug/L
Pb	208	867340.191	2.741	38.771182	ug/L
Bi	209	316268.232	316268.232		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	344424.863	344424.863		ug/L
Be	9	7726.294	0.022	35.867917	ug/L
V	51	285088.804	1.160	38.018395	ug/L
Cu	63	152842.459	0.638	40.066330	ug/L
Cu	65	71830.077	0.300	39.374581	ug/L
Zn	66	39268.034	0.164	39.403383	ug/L
Zn	68	27998.048	0.116	38.343141	ug/L
Ge	72	239437.317	239437.317		ug/L
As	75	48151.477	0.201	38.283998	ug/L
Se	77	3752.023	0.015	38.377410	ug/L
Se	82	4846.670	0.021	37.928701	ug/L
Rh	103	289410.507	289410.507		ug/L
Ag	107	287008.458	0.992	39.401330	ug/L
Cd	111	64829.384	0.224	37.925744	ug/L
Cd	114	154016.612	0.532	38.474198	ug/L
In	115	232922.828	232922.828		ug/L
Sb	121	217840.063	0.935	37.766986	ug/L
Sb	123	168428.434	0.723	38.117926	ug/L
Tl	203	271434.881	0.864	39.235845	ug/L
Tl	205	630826.289	2.008	38.428211	ug/L
Pb	208	853886.733	2.717	38.434431	ug/L
Bi	209	314092.284	314092.284		ug/L

Sample ID: 0B22027-CCV
Report Date/Time: Monday, February 22, 2010 23:02:22

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 23:09:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.112
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	337732.774	337732.774				ug/L
⌊	Be	9	1.667	0.000	0.000543	0.003	511.669	ug/L
⌈	V	51	2239.503	-0.001	-0.035724	0.003	9.065	ug/L
|	Cu	63	192.005	0.000	0.008929	0.004	42.810	ug/L
|	Cu	65	100.668	0.000	0.009757	0.004	44.335	ug/L
|	Zn	66	144.670	0.000	0.025502	0.015	57.239	ug/L
|	Zn	68	289.342	0.000	0.051044	0.017	33.661	ug/L
|>	Ge	72	242172.983	242172.983				ug/L
|	As	75	-8.096	-0.000	-0.042143	0.036	86.425	ug/L
|	Se	77	108.002	-0.000	-0.172708	0.069	39.756	ug/L
⌊	Se	82	-45.503	0.000	0.097732	0.172	175.580	ug/L
⌈>	Rh	103	295409.951	295409.951				ug/L
|	Ag	107	55.334	0.000	0.005400	0.000	8.100	ug/L
|	Cd	111	2.324	0.000	0.000906	0.001	145.675	ug/L
⌊	Cd	114	7.554	-0.000	-0.000241	0.001	334.347	ug/L
⌈>	In	115	237871.388	237871.388				ug/L
|	Sb	121	572.696	0.002	0.086635	0.010	11.174	ug/L
⌊	Sb	123	432.931	0.002	0.086618	0.006	7.044	ug/L
⌈	Tl	203	37.667	-0.000	-0.000109	0.001	833.703	ug/L
|	Tl	205	85.668	0.000	0.000085	0.000	560.050	ug/L
|	Pb	208	1510.744	0.003	0.042927	0.001	3.179	ug/L
⌊>	Bi	209	323565.105	323565.105				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.286
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.289
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.951
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.689

: 00620

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.631

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	338483.086	338483.086		ug/L
	Be	9	2.000	0.000	0.002087	ug/L
	V	51	2234.082	-0.001	-0.036466	ug/L
	Cu	63	182.004	0.000	0.005489	ug/L
	Cu	65	103.002	0.000	0.011201	ug/L
	Zn	66	128.002	0.000	0.008358	ug/L
	Zn	68	286.009	0.000	0.047784	ug/L
>	Ge	72	241379.077	241379.077		ug/L
	As	75	32.870	-0.000	0.009801	ug/L
	Se	77	113.002	-0.000	-0.116878	ug/L
	Se	82	-20.387	0.000	0.286071	ug/L
>	Rh	103	297326.977	297326.977		ug/L
	Ag	107	56.001	0.000	0.005644	ug/L
	Cd	111	-0.036	-0.000	-0.000440	ug/L
	Cd	114	10.024	0.000	0.000350	ug/L
>	In	115	238021.673	238021.673		ug/L
	Sb	121	615.033	0.002	0.083757	ug/L
	Sb	123	458.284	0.002	0.062169	ug/L
	Tl	203	43.001	0.000	0.000648	ug/L
	Tl	205	81.001	-0.000	-0.000274	ug/L
	Pb	208	1501.078	0.003	0.041389	ug/L
>	Bi	209	329040.314	329040.314		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	334280.086	334280.086		ug/L
	Be	9	2.000	0.000	0.002207	ug/L
	V	51	2268.808	-0.001	-0.032623	ug/L
	Cu	63	185.004	0.000	0.006984	ug/L
	Cu	65	92.002	0.000	0.004894	ug/L
	Zn	66	148.003	0.000	0.026379	ug/L
	Zn	68	279.008	0.000	0.035738	ug/L
>	Ge	72	242823.136	242823.136		ug/L
	As	75	-58.391	-0.000	-0.081660	ug/L
	Se	77	101.002	-0.000	-0.248302	ug/L
	Se	82	-65.616	-0.000	-0.051827	ug/L
>	Rh	103	294749.353	294749.353		ug/L
	Ag	107	52.001	0.000	0.004988	ug/L
	Cd	111	4.584	0.000	0.002199	ug/L
	Cd	114	8.880	0.000	0.000088	ug/L
>	In	116	237815.391	237815.391		ug/L
	Sb	121	595.031	0.002	0.080536	ug/L
	Sb	123	436.992	0.002	0.057800	ug/L
	Tl	203	30.000	0.000	0.001143	ug/L
	Tl	205	62.001	-0.000	-0.000084	ug/L
	Pb	208	1523.078	0.003	0.044038	ug/L
>	Bi	209	320806.088	320806.088		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	340458.141	340458.141		ug/L
	Be	9	1.000	-0.000	-0.002655	ug/L
	V	51	2214.619	-0.001	-0.038085	ug/L
	Cu	63	208.006	0.000	0.013334	ug/L
	Cu	65	107.002	0.000	0.013177	ug/L
	Zn	66	157.003	0.000	0.037769	ug/L
	Zn	68	303.009	0.000	0.068629	ug/L
>	Ge	72	242218.737	242218.737		ug/L
	As	75	1.234	-0.000	-0.034878	ug/L
	Se	77	110.002	-0.000	-0.152142	ug/L
	Se	82	-50.508	0.000	0.059861	ug/L
>	Rh	103	294153.524	294153.524		ug/L
	Ag	107	55.001	0.000	0.005388	ug/L
	Cd	111	2.414	0.000	0.000868	ug/L
	Cd	114	3.779	-0.000	-0.001188	ug/L
>	In	115	237977.102	237977.102		ug/L
	Sb	121	508.023	0.002	0.078413	ug/L
	Sb	123	403.636	0.002	0.060085	ug/L
	Tl	203	40.001	0.000	0.000272	ug/L
	Tl	205	94.002	0.000	0.000822	ug/L
	Pb	208	1508.078	0.003	0.043388	ug/L
>	Bi	209	320848.931	320848.931		ug/L

Sample ID: 0B22027-CCB
Report Date/Time: Monday, February 22, 2010 23:10:50

Sample Information

Sample ID: 1001399-MS2
Autosampler Position: 95
Sample Date/Time: Monday, February 22, 2010 23:12:17
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001399-MS2.113
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	346609.182	346609.182				ug/L
⌊	Be	9	3867.752	0.011	17.838464	0.265	1.483	ug/L
⌈	V	51	153243.169	0.614	19.772554	0.414	2.093	ug/L
|	Cu	63	106555.654	0.433	27.253383	0.419	1.538	ug/L
|	Cu	65	50176.456	0.204	26.814156	0.344	1.283	ug/L
|	Zn	66	18944.951	0.077	18.480927	0.432	2.337	ug/L
|	Zn	68	13780.753	0.055	18.227795	0.128	0.701	ug/L
|>	Ge	72	245491.625	245491.625				ug/L
|	As	75	24789.148	0.101	19.206696	0.253	1.315	ug/L
|	Se	77	1792.576	0.007	17.189456	0.351	2.043	ug/L
⌊	Se	82	2238.920	0.009	16.991946	0.575	3.382	ug/L
⌈>	Rh	103	295050.933	295050.933				ug/L
|	Ag	107	134632.805	0.456	18.129932	0.375	2.069	ug/L
|	Cd	111	31501.465	0.107	17.933469	0.213	1.189	ug/L
⌊	Cd	114	73920.544	0.251	18.111555	0.022	0.121	ug/L
⌈>	In	115	240424.412	240424.412				ug/L
|	Sb	121	123031.088	0.512	20.662401	0.322	1.557	ug/L
⌊	Sb	123	94946.670	0.395	20.815872	0.321	1.541	ug/L
⌈	Tl	203	134747.502	0.407	18.461014	0.387	2.095	ug/L
|	Tl	205	320137.556	0.966	18.490718	0.478	2.585	ug/L
|	Pb	208	451920.837	1.362	19.272056	0.464	2.407	ug/L
⌊>	Bi	209	331458.086	331458.086				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.737
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.623
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.830
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.737

: 00622

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.012

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	347048.283	347048.283		ug/L
Be	9	3837.089	0.011	17.874758	ug/L
V	51	153807.826	0.611	19.878261	ug/L
Cu	63	106918.584	0.427	26.880633	ug/L
Cu	65	49916.286	0.201	26.448647	ug/L
Zn	66	18789.889	0.076	18.171998	ug/L
Zn	68	13915.681	0.056	18.252298	ug/L
Ge	72	247566.982	247566.982		ug/L
As	75	24858.271	0.099	18.943371	ug/L
Se	77	1788.237	0.007	16.783801	ug/L
Se	82	2174.900	0.009	16.380841	ug/L
Rh	103	297279.042	297279.042		ug/L
Ag	107	132448.005	0.445	17.700377	ug/L
Cd	111	31853.204	0.108	17.884464	ug/L
Cd	114	74681.238	0.251	18.138570	ug/L
In	115	243838.284	243838.284		ug/L
Sb	121	122577.027	0.502	20.298181	ug/L
Sb	123	96210.930	0.390	20.578980	ug/L
Tl	203	133662.468	0.397	18.017913	ug/L
Tl	205	320988.021	0.940	17.984588	ug/L
Pb	208	452912.488	1.325	18.737178	ug/L
Bi	209	341513.943	341513.943		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346886.231	346886.231		ug/L
Be	9	3837.124	0.011	18.143681	ug/L
V	51	156863.141	0.628	20.225408	ug/L
Cu	63	106350.942	0.433	27.204936	ug/L
Cu	65	50257.689	0.204	26.881864	ug/L
Zn	66	18754.777	0.076	18.296294	ug/L
Zn	68	13879.216	0.056	18.089588	ug/L
Ge	72	245434.871	245434.871		ug/L
As	75	24814.803	0.101	18.229881	ug/L
Se	77	1812.248	0.007	17.394881	ug/L
Se	82	2249.898	0.009	17.073630	ug/L
Rh	103	294263.936	294263.936		ug/L
Ag	107	135520.875	0.460	18.298875	ug/L
Cd	111	31084.980	0.106	17.749084	ug/L
Cd	114	73657.886	0.250	18.095667	ug/L
In	115	240176.708	240176.708		ug/L
Sb	121	123720.500	0.515	20.796948	ug/L
Sb	123	94277.538	0.392	20.687898	ug/L
Tl	203	136278.338	0.413	18.731338	ug/L
Tl	205	317880.648	0.966	18.563236	ug/L
Pb	208	453940.122	1.383	19.563824	ug/L
Bi	209	327846.233	327846.233		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	345887.052	345887.052		ug/L
Be	9	3829.084	0.011	17.998866	ug/L
V	51	149288.541	0.603	19.413994	ug/L
Cu	63	107387.436	0.440	27.894877	ug/L
Cu	65	50358.382	0.206	27.131888	ug/L
Zn	66	19280.208	0.078	18.974621	ug/L
Zn	68	13761.382	0.056	18.341493	ug/L
Ge	72	243474.443	243474.443		ug/L
As	75	24894.389	0.102	19.447056	ug/L
Se	77	1797.244	0.007	17.389485	ug/L
Se	82	2291.994	0.010	17.521488	ug/L
Rh	103	293609.821	293609.821		ug/L
Ag	107	135928.536	0.463	18.392744	ug/L
Cd	111	31756.213	0.108	18.168899	ug/L
Cd	114	73522.507	0.250	18.102539	ug/L
In	115	237261.244	237261.244		ug/L
Sb	121	122795.737	0.517	20.696104	ug/L
Sb	123	96361.540	0.402	21.180778	ug/L
Tl	203	133411.702	0.410	18.533805	ug/L
Tl	205	321586.988	0.968	18.934380	ug/L
Pb	208	448909.900	1.380	19.515385	ug/L
Bi	209	325014.081	325014.081		ug/L

: 00623

Sample Information

Sample ID: 1001399-MSD2
Autosampler Position: 96
Sample Date/Time: Monday, February 22, 2010 23:15:32
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001399-MSD2.114
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	344650.053	344650.053				ug/L
	Be	9	3864.084	0.011	17.923862	0.482	2.689	ug/L
	V	51	152663.450	0.618	19.914493	0.106	0.533	ug/L
	Cu	63	103316.623	0.425	26.708993	0.428	1.603	ug/L
	Cu	65	48870.112	0.201	26.398654	0.498	1.886	ug/L
	Zn	66	18655.521	0.076	18.394515	0.400	2.177	ug/L
	Zn	68	13714.959	0.055	18.338817	0.098	0.536	ug/L
>	Ge	72	242862.610	242862.610				ug/L
	As	75	24011.003	0.099	18.805459	0.481	2.556	ug/L
	Se	77	1786.241	0.007	17.324628	0.742	4.284	ug/L
	Se	82	2228.646	0.009	17.095001	0.779	4.555	ug/L
>	Rh	103	294858.545	294858.545				ug/L
	Ag	107	131778.339	0.447	17.754852	0.212	1.195	ug/L
	Cd	111	30562.693	0.104	17.409647	0.121	0.695	ug/L
	Cd	114	71594.868	0.243	17.553704	0.146	0.831	ug/L
>	In	115	237022.026	237022.026				ug/L
	Sb	121	116728.197	0.492	19.881459	0.396	1.993	ug/L
	Sb	123	88899.503	0.375	19.767103	0.198	1.002	ug/L
	Tl	203	130038.736	0.396	17.987059	0.528	2.935	ug/L
	Tl	205	313745.396	0.956	18.292803	0.472	2.582	ug/L
	Pb	208	443755.747	1.350	19.101135	0.310	1.625	ug/L
>	Bi	209	328313.675	328313.675				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.196
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.566
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.766
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	97.340

: 00624

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.063

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	345722.358	345722.358		ug/L
	Be	9	3769.032	0.011	17.427688	ug/L
	V	51	152688.986	0.623	20.019470	ug/L
	Cu	63	104700.616	0.435	27.201498	ug/L
	Cu	65	49378.581	0.204	26.804863	ug/L
	Zn	66	18866.417	0.078	18.625123	ug/L
	Zn	68	13567.008	0.056	18.229816	ug/L
>	Ge	72	241867.252	241867.252		ug/L
	As	75	24237.375	0.100	18.075616	ug/L
	Se	77	1857.280	0.007	18.158808	ug/L
	Se	82	2286.037	0.010	17.455009	ug/L
>	Rh	103	298848.621	298848.621		ug/L
	Ag	107	132838.173	0.446	17.790380	ug/L
	Cd	111	30819.981	0.104	17.450857	ug/L
	Cd	114	71792.070	0.242	17.496331	ug/L
>	In	115	236353.359	236353.359		ug/L
	Sb	121	119738.527	0.481	19.427586	ug/L
	Sb	123	86476.730	0.374	19.728687	ug/L
	Tl	203	128808.264	0.383	17.392977	ug/L
	Tl	205	312824.905	0.930	17.798648	ug/L
	Pb	208	446083.588	1.325	18.746397	ug/L
>	Bi	209	338171.183	338171.183		ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	344331.520	344331.520		ug/L
	Be	9	3867.086	0.011	17.963528	ug/L
	V	51	152115.834	0.618	19.918615	ug/L
	Cu	63	101880.011	0.420	26.428552	ug/L
	Cu	65	48068.770	0.202	26.548378	ug/L
	Zn	66	18818.156	0.076	18.325070	ug/L
	Zn	68	13723.307	0.056	18.420089	ug/L
>	Ge	72	241980.258	241980.258		ug/L
	As	75	24266.813	0.100	18.080281	ug/L
	Se	77	1756.233	0.007	17.077271	ug/L
	Se	82	2292.024	0.010	17.628800	ug/L
>	Rh	103	292916.190	292916.190		ug/L
	Ag	107	129226.770	0.441	17.537088	ug/L
	Cd	111	30123.144	0.103	17.273441	ug/L
	Cd	114	71787.832	0.245	17.716711	ug/L
>	In	115	236832.750	236832.750		ug/L
	Sb	121	117854.384	0.497	20.057747	ug/L
	Sb	123	89763.394	0.378	19.981884	ug/L
	Tl	203	131634.344	0.406	18.402203	ug/L
	Tl	205	317880.909	0.979	18.736807	ug/L
	Pb	208	443678.906	1.367	19.333015	ug/L
>	Bi	209	324472.258	324472.258		ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	343898.282	343898.282		ug/L
	Be	9	3866.136	0.011	18.390378	ug/L
	V	51	153177.529	0.615	19.807382	ug/L
	Cu	63	103399.044	0.421	26.498930	ug/L
	Cu	65	48262.984	0.197	25.843034	ug/L
	Zn	66	18451.887	0.075	18.033361	ug/L
	Zn	68	13654.562	0.056	18.386788	ug/L
>	Ge	72	244870.321	244870.321		ug/L
	As	75	23509.120	0.096	18.250579	ug/L
	Se	77	1745.231	0.007	18.737703	ug/L
	Se	82	2127.677	0.009	18.201394	ug/L
>	Rh	103	295010.824	295010.824		ug/L
	Ag	107	133269.076	0.452	17.847088	ug/L
	Cd	111	30744.975	0.104	17.504844	ug/L
	Cd	114	71784.701	0.241	17.446070	ug/L
>	In	115	237880.870	237880.870		ug/L
	Sb	121	118781.670	0.499	20.158035	ug/L
	Sb	123	88428.386	0.372	19.581036	ug/L
	Tl	203	129776.610	0.400	18.165988	ug/L
	Tl	205	310830.323	0.958	18.347297	ug/L
	Pb	208	441194.744	1.358	19.221994	ug/L
>	Bi	209	324297.588	324297.588		ug/L

Sample Information

Sample ID: 0B22027-SRD5
Autosampler Position: 97
Sample Date/Time: Monday, February 22, 2010 23:24:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-SRD5.115
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	339201.282	339201.282				ug/L
⌊	Be	9	2.000	0.000	0.001947	0.009	472.572	ug/L
⌈	V	51	4598.205	0.009	0.275529	0.014	4.902	ug/L
|	Cu	63	6990.489	0.028	1.766751	0.025	1.426	ug/L
|	Cu	65	3283.454	0.013	1.729396	0.014	0.826	ug/L
|	Zn	66	462.686	0.001	0.340137	0.015	4.310	ug/L
|	Zn	68	548.360	0.001	0.401865	0.075	18.562	ug/L
|>	Ge	72	243163.836	243163.836				ug/L
|	As	75	318.374	0.001	0.213653	0.057	26.710	ug/L
|	Se	77	134.003	0.000	0.093472	0.113	120.990	ug/L
⌊	Se	82	-40.146	0.000	0.139221	0.254	182.677	ug/L
⌈>	Rh	103	294882.791	294882.791				ug/L
|	Ag	107	89.668	0.000	0.010054	0.002	19.776	ug/L
|	Cd	111	6.903	0.000	0.003518	0.003	87.381	ug/L
⌊	Cd	114	20.541	0.000	0.002950	0.001	35.087	ug/L
⌈>	In	115	237622.519	237622.519				ug/L
|	Sb	121	2644.516	0.011	0.438922	0.004	0.937	ug/L
⌊	Sb	123	2018.968	0.008	0.438631	0.008	1.906	ug/L
⌈	Tl	203	31.000	-0.000	-0.001091	0.001	71.975	ug/L
|	Tl	205	62.334	-0.000	-0.001345	0.000	9.213	ug/L
|	Pb	208	5007.068	0.014	0.193055	0.007	3.460	ug/L
⌊>	Bi	209	327646.414	327646.414				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.691
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.687
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.774
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.586

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.862

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	336666.203	336666.203		ug/L
Be	9	2.000	0.000	0.002170	ug/L
V	51	4538.984	0.008	0.284677	ug/L
Cu	63	6928.428	0.028	1.742222	ug/L
Cu	65	3325.807	0.013	1.743880	ug/L
Zn	66	484.019	0.001	0.329402	ug/L
Zn	68	528.026	0.001	0.370791	ug/L
Ge	72	244311.311	244311.311		ug/L
As	75	293.489	0.001	0.193056	ug/L
Se	77	126.002	0.000	0.003836	ug/L
Se	82	-72.656	-0.000	-0.101326	ug/L
Rh	103	293977.493	293977.493		ug/L
Ag	107	101.002	0.000	0.011610	ug/L
Cd	111	13.103	0.000	0.007068	ug/L
Cd	114	25.308	0.000	0.004137	ug/L
In	115	236586.182	236586.182		ug/L
Sb	121	2630.611	0.011	0.438477	ug/L
Sb	123	1974.789	0.008	0.430744	ug/L
Tl	203	26.000	-0.000	-0.001793	ug/L
Tl	205	64.001	-0.000	-0.001256	ug/L
Pb	208	4847.887	0.013	0.185720	ug/L
Bi	209	328341.214	328341.214		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	334262.563	334262.563		ug/L
Be	9	0.000	-0.000	-0.007382	ug/L
V	51	4705.302	0.009	0.290622	ug/L
Cu	63	6978.474	0.029	1.768482	ug/L
Cu	65	3277.786	0.013	1.729001	ug/L
Zn	66	456.019	0.001	0.334186	ug/L
Zn	68	510.032	0.001	0.488974	ug/L
Ge	72	242803.157	242803.157		ug/L
As	75	400.120	0.001	0.278180	ug/L
Se	77	146.003	0.000	0.220631	ug/L
Se	82	4.410	0.000	0.405383	ug/L
Rh	103	292309.056	292309.056		ug/L
Ag	107	94.002	0.000	0.010737	ug/L
Cd	111	3.702	0.000	0.001708	ug/L
Cd	114	17.480	0.000	0.002238	ug/L
In	115	238235.892	238235.892		ug/L
Sb	121	2628.610	0.011	0.436081	ug/L
Sb	123	2063.689	0.008	0.447394	ug/L
Tl	203	37.000	-0.000	-0.000243	ug/L
Tl	205	63.001	-0.000	0.001293	ug/L
Pb	208	5121.788	0.014	0.198786	ug/L
Bi	209	326480.762	326480.762		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	347786.080	347786.080		ug/L
Be	9	4.000	0.000	0.011033	ug/L
V	51	4842.329	0.008	0.271360	ug/L
Cu	63	7067.565	0.029	1.792548	ug/L
Cu	65	3246.770	0.013	1.715308	ug/L
Zn	66	478.021	0.001	0.356839	ug/L
Zn	68	507.023	0.001	0.347830	ug/L
Ge	72	242377.041	242377.041		ug/L
As	75	261.513	0.001	0.168744	ug/L
Se	77	130.002	0.000	0.056046	ug/L
Se	82	43.372	0.000	0.113611	ug/L
Rh	103	298381.825	298381.825		ug/L
Ag	107	74.001	0.000	0.007814	ug/L
Cd	111	3.904	0.000	0.001779	ug/L
Cd	114	18.834	0.000	0.002476	ug/L
In	115	238033.483	238033.483		ug/L
Sb	121	2674.527	0.011	0.443239	ug/L
Sb	123	2018.424	0.008	0.437756	ug/L
Tl	203	30.000	0.000	0.001237	ug/L
Tl	205	60.001	-0.000	0.001486	ug/L
Pb	208	5061.740	0.014	0.194689	ug/L
Bi	209	328117.265	328117.265		ug/L

: 00627

Sample Information

Sample ID: 1001399-PS2
Autosampler Position: 98
Sample Date/Time: Monday, February 22, 2010 23:27:19
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001399-PS2.116
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	344149.102	344149.102				ug/L
⌊	Be	9	4016.503	0.012	18.656336	0.195	1.046	ug/L
⌈	V	51	161973.780	0.655	21.087211	0.166	0.788	ug/L
|	Cu	63	110127.603	0.452	28.389463	0.288	1.015	ug/L
⌋	Cu	65	52669.345	0.216	28.368965	0.211	0.744	ug/L
|	Zn	66	20108.803	0.082	19.778271	0.356	1.798	ug/L
⌋	Zn	68	14937.753	0.060	19.946660	0.253	1.269	ug/L
|>	Ge	72	243565.865	243565.865				ug/L
⌈	As	75	26030.612	0.107	20.328134	0.187	0.921	ug/L
⌋	Se	77	1919.610	0.007	18.654367	0.185	0.989	ug/L
⌊	Se	82	2444.697	0.010	18.652542	0.087	0.464	ug/L
⌈>	Rh	103	295862.835	295862.835				ug/L
⌈	Ag	107	140767.170	0.476	18.912220	0.676	3.573	ug/L
⌋	Cd	111	32467.931	0.110	18.437933	0.338	1.833	ug/L
⌊	Cd	114	77262.941	0.261	18.884569	0.379	2.007	ug/L
⌈>	In	115	237033.122	237033.122				ug/L
⌈	Sb	121	118546.892	0.500	20.196945	0.541	2.678	ug/L
⌊	Sb	123	90526.507	0.382	20.132886	0.471	2.339	ug/L
⌈	Tl	203	138068.783	0.421	19.104070	0.737	3.860	ug/L
⌋	Tl	205	331442.500	1.010	19.326343	0.449	2.325	ug/L
|	Pb	208	469917.417	1.430	20.234008	0.538	2.658	ug/L
⌊>	Bi	209	328313.164	328313.164				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.058
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
⌋	Cu	64.928	
|	Zn	65.926	
⌋	Zn	67.925	
|>	Ge	71.922	97.849
⌈	As	74.922	
⌋	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.102
⌈	Ag	106.905	
⌋	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.344

: 00628

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.063

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348478.782	348478.782		ug/L
Be	9	4073.202	0.012	18.632156	ug/L
V	51	162813.118	0.660	21.271788	ug/L
Cu	63	109822.359	0.451	28.329878	ug/L
Cu	65	52081.485	0.214	28.132848	ug/L
Zn	66	20240.840	0.083	19.976730	ug/L
Zn	68	14886.520	0.061	20.068404	ug/L
Ge	72	242731.781	242731.781		ug/L
As	75	25803.621	0.106	20.220443	ug/L
Se	77	1893.270	0.007	18.448410	ug/L
Se	82	2429.966	0.010	18.606156	ug/L
Rh	103	303433.976	303433.976		ug/L
Ag	107	140097.866	0.462	18.343017	ug/L
Cd	111	32631.841	0.108	18.083411	ug/L
Cd	114	77733.231	0.256	18.619877	ug/L
In	115	240931.156	240931.156		ug/L
Sb	121	117076.636	0.486	19.617686	ug/L
Sb	123	89727.322	0.372	19.627184	ug/L
Tl	203	136610.463	0.404	18.339475	ug/L
Tl	205	332100.188	0.983	18.807795	ug/L
Pb	208	470133.088	1.390	19.668619	ug/L
Bi	209	337808.928	337808.928		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	338177.886	338177.886		ug/L
Be	9	3908.108	0.012	18.474380	ug/L
V	51	161390.913	0.663	21.040433	ug/L
Cu	63	111182.733	0.456	28.702863	ug/L
Cu	65	52716.341	0.216	28.435758	ug/L
Zn	66	20294.984	0.083	19.990362	ug/L
Zn	68	15046.982	0.061	20.123768	ug/L
Ge	72	243215.851	243215.851		ug/L
As	75	25864.008	0.106	20.219803	ug/L
Se	77	1931.280	0.007	18.804438	ug/L
Se	82	2434.121	0.010	18.600386	ug/L
Rh	103	294572.266	294572.266		ug/L
Ag	107	139810.089	0.472	18.734872	ug/L
Cd	111	32498.040	0.110	18.530526	ug/L
Cd	114	76841.152	0.261	18.857920	ug/L
In	115	236882.843	236882.843		ug/L
Sb	121	119008.399	0.502	20.264387	ug/L
Sb	123	90843.684	0.383	20.212946	ug/L
Tl	203	138028.230	0.422	19.181835	ug/L
Tl	205	334465.843	1.023	19.573529	ug/L
Pb	208	470221.163	1.436	20.316908	ug/L
Bi	209	326996.531	326996.531		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344788.858	344788.858		ug/L
Be	9	4068.198	0.012	18.862481	ug/L
V	51	161717.308	0.650	20.948416	ug/L
Cu	63	109877.717	0.447	28.135850	ug/L
Cu	65	53240.210	0.217	28.538483	ug/L
Zn	66	19790.576	0.080	19.367692	ug/L
Zn	68	14796.457	0.059	19.666817	ug/L
Ge	72	244749.958	244749.958		ug/L
As	75	26434.210	0.106	20.644366	ug/L
Se	77	1934.281	0.007	18.709863	ug/L
Se	82	2470.016	0.010	18.752384	ug/L
Rh	103	289582.284	289582.284		ug/L
Ag	107	143293.486	0.485	19.668971	ug/L
Cd	111	32273.912	0.111	18.719852	ug/L
Cd	114	77214.441	0.267	19.276109	ug/L
In	115	233306.387	233306.387		ug/L
Sb	121	119666.444	0.512	20.688743	ug/L
Sb	123	91008.816	0.390	20.556649	ug/L
Tl	203	139857.866	0.428	19.610799	ug/L
Tl	205	327761.473	1.024	19.567746	ug/L
Pb	208	469398.018	1.466	20.724298	ug/L
Bi	209	320049.037	320049.037		ug/L

Sample Information

Sample ID: 1001400-BLK2
Autosampler Position: 99
Sample Date/Time: Monday, February 22, 2010 23:35:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001400-BLK2.117
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	342488.588	342488.588				ug/L
⌊	Be	9	1.333	-0.000	-0.001109	0.003	253.309	ug/L
⌈	V	51	2521.088	-0.000	-0.002386	0.008	329.426	ug/L
|	Cu	63	530.358	0.002	0.095100	0.004	4.156	ug/L
|	Cu	65	245.007	0.001	0.086423	0.007	8.187	ug/L
|	Zn	66	1986.629	0.008	1.834107	0.010	0.572	ug/L
|	Zn	68	1572.523	0.005	1.777659	0.130	7.302	ug/L
|>	Ge	72	245186.653	245186.653				ug/L
|	As	75	5.121	-0.000	-0.031935	0.047	146.712	ug/L
|	Se	77	117.669	-0.000	-0.086528	0.174	201.020	ug/L
⌊	Se	82	-49.818	0.000	0.069810	0.078	112.132	ug/L
⌈>	Rh	103	295524.026	295524.026				ug/L
|	Ag	107	90.668	0.000	0.010168	0.003	31.223	ug/L
|	Cd	111	1.967	0.000	0.000687	0.003	494.824	ug/L
⌊	Cd	114	5.095	-0.000	-0.000848	0.001	147.187	ug/L
⌈>	In	115	239904.622	239904.622				ug/L
|	Sb	121	368.347	0.001	0.051396	0.008	15.242	ug/L
⌊	Sb	123	275.295	0.001	0.051157	0.002	3.424	ug/L
⌈	Tl	203	24.334	-0.000	-0.001999	0.001	33.479	ug/L
|	Tl	205	53.334	-0.000	-0.001859	0.000	15.544	ug/L
|	Pb	208	1239.721	0.002	0.030640	0.004	14.649	ug/L
⌊>	Bi	209	326387.637	326387.637				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.599
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.500
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.989
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.524

: 00630

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.482

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	336791.406	336791.406		ug/L
	Be	9	2.000	0.000	0.002136	ug/L
	V	51	2488.368	-0.000	-0.007718	ug/L
	Cu	63	531.025	0.002	0.085632	ug/L
	Cu	65	230.008	0.001	0.079006	ug/L
	Zn	66	1967.291	0.008	1.824716	ug/L
	Zn	68	1494.171	0.006	1.661883	ug/L
>	Ge	72	243978.297	243978.297		ug/L
	As	75	32.488	-0.000	-0.010483	ug/L
	Se	77	113.002	-0.000	-0.129308	ug/L
	Se	82	-37.544	0.000	0.158088	ug/L
>	Rh	103	298183.918	298183.918		ug/L
	Ag	107	84.001	0.000	0.009228	ug/L
	Cd	111	8.348	0.000	0.004315	ug/L
	Cd	114	5.746	0.000	-0.000888	ug/L
>	In	115	241286.934	241286.934		ug/L
	Sb	121	420.017	0.001	0.050897	ug/L
	Sb	123	269.804	0.001	0.048547	ug/L
	Tl	203	24.000	-0.000	-0.002091	ug/L
	Tl	205	56.001	-0.000	-0.001838	ug/L
	Pb	208	1161.048	0.002	0.026874	ug/L
>	Bi	209	330404.170	330404.170		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	343182.128	343182.128		ug/L
	Be	9	1.000	-0.000	-0.002702	ug/L
	V	51	2586.505	0.000	0.008642	ug/L
	Cu	63	543.028	0.002	0.088588	ug/L
	Cu	65	257.007	0.001	0.083088	ug/L
	Zn	66	1981.296	0.008	1.832174	ug/L
	Zn	68	1679.214	0.006	1.925388	ug/L
>	Ge	72	244775.819	244775.819		ug/L
	As	75	-84.001	-0.000	-0.086671	ug/L
	Se	77	136.003	0.000	0.104809	ug/L
	Se	82	-87.380	0.000	0.012939	ug/L
>	Rh	103	297693.794	297693.794		ug/L
	Ag	107	72.001	0.000	0.007889	ug/L
	Cd	111	1.048	0.000	0.000172	ug/L
	Cd	114	9.874	0.000	0.000311	ug/L
>	In	115	237166.844	237166.844		ug/L
	Sb	121	356.013	0.001	0.050389	ug/L
	Sb	123	271.001	0.001	0.050803	ug/L
	Tl	203	29.000	-0.000	-0.001288	ug/L
	Tl	205	54.001	-0.000	-0.001767	ug/L
	Pb	208	1330.081	0.003	0.035466	ug/L
>	Bi	209	321123.885	321123.885		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	347492.230	347492.230		ug/L
	Be	9	1.000	-0.000	-0.002760	ug/L
	V	51	2509.388	-0.000	-0.008089	ug/L
	Cu	63	517.024	0.001	0.080787	ug/L
	Cu	65	248.007	0.001	0.087109	ug/L
	Zn	66	2011.303	0.008	1.845430	ug/L
	Zn	68	1544.182	0.006	1.725709	ug/L
>	Ge	72	246808.934	246808.934		ug/L
	As	75	46.998	0.000	0.000359	ug/L
	Se	77	104.002	-0.000	-0.235085	ug/L
	Se	82	54.529	0.000	0.037402	ug/L
>	Rh	103	292884.388	292884.388		ug/L
	Ag	107	116.002	0.000	0.013708	ug/L
	Cd	111	-3.497	0.000	-0.002438	ug/L
	Cd	114	0.338	0.000	-0.002170	ug/L
>	In	115	241282.088	241282.088		ug/L
	Sb	121	327.011	0.001	0.044133	ug/L
	Sb	123	285.379	0.001	0.053022	ug/L
	Tl	203	20.000	-0.000	-0.002617	ug/L
	Tl	205	48.001	-0.000	-0.002182	ug/L
	Pb	208	1228.083	0.002	0.029888	ug/L
>	Bi	209	327634.658	327634.658		ug/L

Sample ID: 1001400-BLK2
Report Date/Time: Monday, February 22, 2010 23:37:38

: 00631

Sample Information

Sample ID: 1001400-BS2
Autosampler Position: 100
Sample Date/Time: Monday, February 22, 2010 23:39:05
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001400-BS2.118
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	346796.336	346796.336				ug/L
⌊	Be	9	3823.061	0.011	17.623809	0.387	2.197	ug/L
⌈	V	51	145315.031	0.588	18.926860	0.150	0.791	ug/L
|	Cu	63	76065.652	0.312	19.639165	0.077	0.393	ug/L
|	Cu	65	35610.238	0.146	19.209203	0.157	0.817	ug/L
|	Zn	66	21118.719	0.086	20.823621	0.203	0.974	ug/L
|	Zn	68	15353.639	0.062	20.557091	0.248	1.208	ug/L
|>	Ge	72	243025.617	243025.617				ug/L
|	As	75	23574.878	0.097	18.448644	0.339	1.838	ug/L
|	Se	77	1832.920	0.007	17.794432	0.380	2.134	ug/L
⌊	Se	82	2309.993	0.010	17.688039	0.193	1.093	ug/L
⌈>	Rh	103	295536.670	295536.670				ug/L
|	Ag	107	138886.795	0.470	18.673281	0.393	2.106	ug/L
|	Cd	111	31222.659	0.106	17.747201	0.420	2.367	ug/L
⌊	Cd	114	74420.571	0.252	18.206753	0.288	1.583	ug/L
⌈>	In	115	237588.837	237588.837				ug/L
|	Sb	121	107921.086	0.454	18.339236	0.422	2.302	ug/L
⌊	Sb	123	82786.466	0.348	18.364319	0.252	1.374	ug/L
⌈	Tl	203	134132.418	0.408	18.538904	0.146	0.788	ug/L
|	Tl	205	319418.952	0.972	18.610230	0.256	1.375	ug/L
|	Pb	208	430613.844	1.309	18.523376	0.100	0.538	ug/L
⌊>	Bi	209	328440.657	328440.657				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.789
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.632
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.993
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.573

: 00632

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.102

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	348080.328	348080.328		ug/L
	Be	9	3750.022	0.011	17.221740	ug/L
	V	51	144581.296	0.587	18.906204	ug/L
	Cu	63	75430.946	0.311	19.552982	ug/L
	Cu	65	35272.228	0.145	19.101908	ug/L
	Zn	66	21246.786	0.087	21.033456	ug/L
	Zn	68	15108.112	0.061	20.304664	ug/L
>	Ge	72	242088.744	242088.744		ug/L
	As	75	23136.703	0.095	18.178064	ug/L
	Se	77	1818.249	0.007	17.686603	ug/L
	Se	82	2304.788	0.010	17.716831	ug/L
>	Rh	103	291778.944	291778.944		ug/L
	Ag	107	140476.291	0.481	19.127456	ug/L
	Cd	111	31818.158	0.108	18.200388	ug/L
	Cd	114	74783.680	0.256	18.831357	ug/L
>	In	115	237821.804	237821.804		ug/L
	Sb	121	105728.772	0.445	17.981889	ug/L
	Sb	123	81904.603	0.346	18.184848	ug/L
	Tl	203	134338.847	0.410	18.601082	ug/L
	Tl	205	318334.258	0.974	18.638183	ug/L
	Pb	208	427301.724	1.302	18.414104	ug/L
>	Bi	209	327848.328	327848.328		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	345812.562	345812.562		ug/L
	Be	9	3899.097	0.011	17.994018	ug/L
	V	51	145201.184	0.583	18.788208	ug/L
	Cu	63	76791.340	0.313	19.701022	ug/L
	Cu	65	35702.360	0.146	19.136310	ug/L
	Zn	66	21058.200	0.086	20.828403	ug/L
	Zn	68	15457.883	0.062	20.566643	ug/L
>	Ge	72	244578.218	244578.218		ug/L
	As	75	23588.238	0.096	18.341538	ug/L
	Se	77	1865.268	0.007	18.218487	ug/L
	Se	82	2297.056	0.010	17.481930	ug/L
>	Rh	103	300003.502	300003.502		ug/L
	Ag	107	139300.588	0.464	18.447182	ug/L
	Cd	111	31581.113	0.106	17.870472	ug/L
	Cd	114	74512.782	0.248	17.956347	ug/L
>	In	115	239998.727	239998.727		ug/L
	Sb	121	108680.837	0.452	18.280829	ug/L
	Sb	123	83248.517	0.347	18.280082	ug/L
	Tl	203	132840.182	0.406	18.371986	ug/L
	Tl	205	314598.868	0.958	18.341169	ug/L
	Pb	208	430877.979	1.311	18.546868	ug/L
>	Bi	209	328232.378	328232.378		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	346788.119	346788.119		ug/L
	Be	9	3830.086	0.011	17.656688	ug/L
	V	51	146162.610	0.589	19.080188	ug/L
	Cu	63	75874.888	0.313	19.663810	ug/L
	Cu	65	35856.129	0.148	19.388301	ug/L
	Zn	66	21053.181	0.086	20.809004	ug/L
	Zn	68	15494.943	0.063	20.801178	ug/L
>	Ge	72	242432.890	242432.890		ug/L
	As	75	24000.683	0.099	18.828343	ug/L
	Se	77	1799.244	0.007	17.480238	ug/L
	Se	82	2328.157	0.010	17.866557	ug/L
>	Rh	103	294829.584	294829.584		ug/L
	Ag	107	136883.504	0.464	18.448206	ug/L
	Cd	111	30490.706	0.103	17.370744	ug/L
	Cd	114	73986.291	0.251	18.143875	ug/L
>	In	115	235146.280	235146.280		ug/L
	Sb	121	109475.851	0.465	18.795022	ug/L
	Sb	123	83208.278	0.354	18.648029	ug/L
	Tl	203	135218.216	0.411	18.643644	ug/L
	Tl	205	324323.734	0.985	18.850348	ug/L
	Pb	208	433861.831	1.318	18.609386	ug/L
>	Bi	209	329241.265	329241.265		ug/L

: 00633

Sample Information

Sample ID: 1002144-20
Autosampler Position: 101
Sample Date/Time: Monday, February 22, 2010 23:47:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-20.119
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	339168.799	339168.799				ug/L
⌊	Be	9	2.000	0.000	0.002079	0.005	228.634	ug/L
⌈	V	51	17484.787	0.061	1.961143	0.035	1.779	ug/L
|	Cu	63	7940.825	0.032	1.993313	0.020	1.025	ug/L
|	Cu	65	3760.361	0.015	1.968206	0.056	2.860	ug/L
|	Zn	66	1120.766	0.004	0.981988	0.017	1.682	ug/L
|	Zn	68	1174.775	0.004	1.239316	0.027	2.184	ug/L
|>	Ge	72	245441.486	245441.486				ug/L
|	As	75	4471.301	0.018	3.435403	0.042	1.231	ug/L
|	Se	77	139.669	0.000	0.138888	0.102	73.142	ug/L
⌊	Se	82	-43.870	0.000	0.114234	0.096	83.667	ug/L
⌈>	Rh	103	300219.320	300219.320				ug/L
|	Ag	107	90.668	0.000	0.009957	0.001	8.748	ug/L
|	Cd	111	8.960	0.000	0.004595	0.003	63.084	ug/L
⌊	Cd	114	8.762	0.000	0.000022	0.001	3681.288	ug/L
⌈>	In	115	241823.424	241823.424				ug/L
|	Sb	121	6717.558	0.028	1.111595	0.021	1.886	ug/L
⌊	Sb	123	5112.252	0.021	1.105551	0.036	3.297	ug/L
⌈	Tl	203	40.001	0.000	0.000132	0.000	156.466	ug/L
|	Tl	205	72.001	-0.000	-0.000789	0.001	95.556	ug/L
|	Pb	208	6147.096	0.017	0.241369	0.010	4.152	ug/L
⌊>	Bi	209	328899.483	328899.483				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.682
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.602
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.562
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.312

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.240

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339880.303	339880.303		ug/L
Be	9	2.000	0.000	0.002048	ug/L
V	51	17535.436	0.052	1.990498	ug/L
Cu	63	7817.364	0.031	1.970126	ug/L
Cu	65	3632.980	0.015	1.908227	ug/L
Zn	66	1106.087	0.004	0.972126	ug/L
Zn	68	1191.111	0.004	1.268022	ug/L
Ge	72	244417.886	244417.886		ug/L
As	75	4387.948	0.018	3.392801	ug/L
Se	77	148.003	0.000	0.231193	ug/L
Se	82	-39.508	0.000	0.148032	ug/L
Rh	103	300811.184	300811.184		ug/L
Ag	107	93.002	0.000	0.010256	ug/L
Cd	111	2.983	0.000	0.001248	ug/L
Cd	114	8.627	0.000	0.000483	ug/L
In	115	239882.751	239882.751		ug/L
Sb	121	6786.280	0.028	1.132108	ug/L
Sb	123	5247.224	0.022	1.144008	ug/L
Tl	203	42.001	0.000	0.000288	ug/L
Tl	205	60.001	-0.000	-0.001563	ug/L
Pb	208	5999.048	0.016	0.229813	ug/L
Bi	209	335494.446	335494.446		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339863.081	339863.081		ug/L
Be	9	1.000	-0.000	-0.002688	ug/L
V	51	17538.943	0.061	1.970349	ug/L
Cu	63	7983.516	0.032	2.001138	ug/L
Cu	65	3853.077	0.016	2.019903	ug/L
Zn	66	1139.102	0.004	1.001066	ug/L
Zn	68	1156.109	0.004	1.214258	ug/L
Ge	72	245208.214	245208.214		ug/L
As	75	4520.943	0.018	3.477357	ug/L
Se	77	129.002	0.000	0.030060	ug/L
Se	82	-33.474	0.000	0.190613	ug/L
Rh	103	300804.149	300804.149		ug/L
Ag	107	98.002	0.000	0.010840	ug/L
Cd	111	11.918	0.000	0.008238	ug/L
Cd	114	12.816	0.000	0.000848	ug/L
In	115	241018.994	241018.994		ug/L
Sb	121	6701.208	0.028	1.112472	ug/L
Sb	123	5078.068	0.021	1.101144	ug/L
Tl	203	38.000	-0.000	0.000100	ug/L
Tl	205	84.001	0.000	0.000068	ug/L
Pb	208	6221.130	0.017	0.246625	ug/L
Bi	209	326231.782	326231.782		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	337973.044	337973.044		ug/L
Be	9	3.000	0.000	0.006880	ug/L
V	51	17279.983	0.060	1.922583	ug/L
Cu	63	8041.608	0.032	2.008874	ug/L
Cu	65	3798.048	0.015	1.978488	ug/L
Zn	66	1117.099	0.004	0.972782	ug/L
Zn	68	1178.109	0.004	1.235888	ug/L
Ge	72	246700.378	246700.378		ug/L
As	75	4498.012	0.018	3.438080	ug/L
Se	77	142.003	0.000	0.156420	ug/L
Se	82	58.631	0.000	0.007056	ug/L
Rh	103	298342.617	298342.617		ug/L
Ag	107	83.001	0.000	0.008976	ug/L
Cd	111	11.978	0.000	0.008302	ug/L
Cd	114	7.044	-0.000	-0.000386	ug/L
In	115	244570.528	244570.528		ug/L
Sb	121	6666.175	0.027	1.090203	ug/L
Sb	123	5013.432	0.020	1.071498	ug/L
Tl	203	40.001	0.000	0.000300	ug/L
Tl	205	72.001	-0.000	-0.000745	ug/L
Pb	208	6221.109	0.018	0.247888	ug/L
Bi	209	324972.240	324972.240		ug/L

: 00635

Sample Information

Sample ID: 1001400-MS2
Autosampler Position: 102
Sample Date/Time: Monday, February 22, 2010 23:50:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001400-MS2.120
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	346183.490	346183.490				ug/L
⌊	Be	9	3898.102	0.011	18.004071	0.431	2.395	ug/L
⌈	V	51	162847.006	0.654	21.062679	0.198	0.939	ug/L
|	Cu	63	82864.407	0.337	21.214435	0.410	1.932	ug/L
|	Cu	65	39069.619	0.159	20.897119	0.267	1.279	ug/L
|	Zn	66	18644.822	0.076	18.211032	0.297	1.633	ug/L
|	Zn	68	13687.907	0.055	18.127205	0.018	0.100	ug/L
|>	Ge	72	245163.876	245163.876				ug/L
|	As	75	28002.585	0.114	21.731127	0.306	1.406	ug/L
|	Se	77	1788.242	0.007	17.167375	0.352	2.053	ug/L
⌊	Se	82	2290.953	0.010	17.397791	0.432	2.481	ug/L
⌈>	Rh	103	295630.346	295630.346				ug/L
|	Ag	107	139570.161	0.472	18.755691	0.158	0.840	ug/L
|	Cd	111	31645.838	0.107	17.982509	0.247	1.372	ug/L
⌊	Cd	114	73472.607	0.249	17.972603	0.575	3.202	ug/L
⌈>	In	115	240008.920	240008.920				ug/L
|	Sb	121	116231.603	0.484	19.552378	0.275	1.407	ug/L
⌊	Sb	123	89964.500	0.375	19.758031	0.501	2.537	ug/L
⌈	Tl	203	134944.237	0.413	18.748367	0.127	0.678	ug/L
|	Tl	205	322965.092	0.988	18.919323	0.515	2.724	ug/L
|	Pb	208	437767.427	1.338	18.930971	0.229	1.211	ug/L
⌊>	Bi	209	326767.868	326767.868				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.620
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.491
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.024
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.566

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	98.597

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	344196.228	344196.228		ug/L
Be	9	3884.084	0.011	17.946639	ug/L
V	51	184941.104	0.684	21.071580	ug/L
Cu	63	82037.233	0.330	20.741568	ug/L
Cu	65	39286.134	0.158	20.763381	ug/L
Zn	66	18564.278	0.074	17.908677	ug/L
Zn	68	13842.536	0.055	18.106854	ug/L
Ge	72	248204.168	248204.168		ug/L
As	75	27871.114	0.113	21.437840	ug/L
Se	77	1834.254	0.007	17.410874	ug/L
Se	82	2260.863	0.009	16.988334	ug/L
Rh	103	290102.784	290102.784		ug/L
Ag	107	136513.520	0.471	18.986103	ug/L
Cd	111	31526.631	0.109	18.253588	ug/L
Cd	114	74686.882	0.257	18.606566	ug/L
In	115	242254.986	242254.986		ug/L
Sb	121	115433.410	0.476	19.236579	ug/L
Sb	123	88316.389	0.364	19.212787	ug/L
Tl	203	136405.484	0.411	18.652614	ug/L
Tl	205	316286.977	0.968	18.347092	ug/L
Pb	208	438319.251	1.322	18.687148	ug/L
Bi	209	331872.447	331872.447		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	342927.314	342927.314		ug/L
Be	9	3980.137	0.012	18.481025	ug/L
V	51	161329.711	0.646	20.680887	ug/L
Cu	63	83737.814	0.341	21.433539	ug/L
Cu	65	38769.316	0.158	20.732449	ug/L
Zn	66	18566.543	0.076	18.227316	ug/L
Zn	68	13700.263	0.056	18.142141	ug/L
Ge	72	245186.621	245186.621		ug/L
As	75	27978.354	0.114	21.707844	ug/L
Se	77	1749.232	0.007	16.763190	ug/L
Se	82	2360.015	0.010	17.831685	ug/L
Rh	103	298598.412	298598.412		ug/L
Ag	107	142311.097	0.477	18.934581	ug/L
Cd	111	31862.004	0.107	17.922884	ug/L
Cd	114	72213.820	0.242	17.483188	ug/L
In	115	240508.302	240508.302		ug/L
Sb	121	117598.318	0.489	19.739966	ug/L
Sb	123	90843.033	0.377	19.862440	ug/L
Tl	203	135381.901	0.412	18.699791	ug/L
Tl	205	327358.867	0.998	19.083888	ug/L
Pb	208	440504.862	1.339	18.940218	ug/L
Bi	209	329801.799	329801.799		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	351428.930	351428.930		ug/L
Be	9	3870.087	0.011	17.604548	ug/L
V	51	162770.202	0.660	21.256780	ug/L
Cu	63	82818.178	0.341	21.466208	ug/L
Cu	65	39153.408	0.161	21.206447	ug/L
Zn	66	18704.646	0.077	18.490803	ug/L
Zn	68	13520.820	0.056	18.132519	ug/L
Ge	72	242101.941	242101.941		ug/L
As	75	28056.288	0.116	22.047698	ug/L
Se	77	1781.240	0.007	17.328080	ug/L
Se	82	2261.983	0.010	17.393384	ug/L
Rh	103	298189.881	298189.881		ug/L
Ag	107	139886.867	0.468	18.637381	ug/L
Cd	111	31548.878	0.106	17.771057	ug/L
Cd	114	73537.340	0.247	17.828068	ug/L
In	115	237263.472	237263.472		ug/L
Sb	121	115863.083	0.487	19.680800	ug/L
Sb	123	90934.079	0.383	20.198887	ug/L
Tl	203	133066.327	0.416	18.892696	ug/L
Tl	205	323249.842	1.011	19.346980	ug/L
Pb	208	433479.089	1.354	19.185450	ug/L
Bi	209	319729.357	319729.357		ug/L

: 90637

Sample Information

Sample ID: 1001400-MSD2

Autosampler Position: 103
Sample Date/Time: Monday, February 22, 2010 23:54:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001400-MSD2.121
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	344619.110	344619.110				ug/L
⌊	Be	9	3993.157	0.012	18.526268	0.729	3.935	ug/L
⌈	V	51	163903.694	0.661	21.288585	0.305	1.434	ug/L
|	Cu	63	83362.466	0.341	21.425961	0.087	0.406	ug/L
|	Cu	65	40274.635	0.165	21.629577	0.334	1.546	ug/L
|	Zn	66	19226.370	0.078	18.857447	0.310	1.644	ug/L
|	Zn	68	14093.367	0.057	18.750676	0.279	1.490	ug/L
|>	Ge	72	244173.077	244173.077				ug/L
|	As	75	27763.682	0.114	21.631278	0.301	1.393	ug/L
|	Se	77	1858.260	0.007	17.968436	0.195	1.087	ug/L
⌊	Se	82	2362.579	0.010	17.996523	0.573	3.184	ug/L
⌈>	Rh	103	293733.783	293733.783				ug/L
|	Ag	107	137224.857	0.467	18.560056	0.286	1.540	ug/L
|	Cd	111	31660.294	0.108	18.104678	0.243	1.340	ug/L
⌊	Cd	114	74964.111	0.255	18.449715	0.132	0.716	ug/L
⌈>	In	115	238661.844	238661.844				ug/L
|	Sb	121	117706.847	0.493	19.913617	0.417	2.096	ug/L
⌊	Sb	123	89989.892	0.377	19.873073	0.200	1.007	ug/L
⌈	Tl	203	135802.849	0.420	19.061682	0.036	0.191	ug/L
|	Tl	205	320959.785	0.992	18.990781	0.110	0.577	ug/L
|	Pb	208	440093.820	1.359	19.227312	0.284	1.478	ug/L
⌊>	Bi	209	323415.727	323415.727				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.188
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.093
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.389
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.013

: 00638

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.585

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346219.600	346219.600		ug/L
Be	9	3978.147	0.011	18.388587	ug/L
V	51	181612.159	0.640	20.637736	ug/L
Cu	63	83183.386	0.539	21.331487	ug/L
Cu	65	39995.059	0.163	21.429874	ug/L
Zn	66	19388.472	0.079	18.973719	ug/L
Zn	68	14294.361	0.057	18.929988	ug/L
Ge	72	244725.125	244725.126		ug/L
As	75	27686.216	0.113	21.506711	ug/L
Se	77	1864.258	0.007	17.863698	ug/L
Se	82	2318.887	0.010	17.611193	ug/L
Rh	103	293124.480	293124.480		ug/L
Ag	107	137409.464	0.469	18.623806	ug/L
Cd	111	32082.031	0.109	18.353675	ug/L
Cd	114	75065.494	0.256	18.813099	ug/L
In	115	240382.171	240382.171		ug/L
Sb	121	118123.467	0.483	19.502488	ug/L
Sb	123	89736.619	0.373	19.674082	ug/L
Tl	203	136528.608	0.419	19.041776	ug/L
Tl	205	323107.417	0.992	18.996492	ug/L
Pb	208	435487.706	1.336	18.903821	ug/L
Bi	209	325483.784	325483.784		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342162.442	342162.442		ug/L
Be	9	4136.238	0.012	19.321298	ug/L
V	51	184688.805	0.697	21.493318	ug/L
Cu	63	83043.774	0.341	21.443619	ug/L
Cu	65	40802.615	0.166	22.018681	ug/L
Zn	66	19374.434	0.079	19.082482	ug/L
Zn	68	13780.437	0.056	18.426406	ug/L
Ge	72	243035.876	243036.876		ug/L
As	75	28073.853	0.115	21.975041	ug/L
Se	77	1838.254	0.007	17.829880	ug/L
Se	82	2314.919	0.010	17.723477	ug/L
Rh	103	294364.975	294364.975		ug/L
Ag	107	139368.726	0.475	18.908567	ug/L
Cd	111	31444.444	0.107	17.942383	ug/L
Cd	114	75488.037	0.256	18.538120	ug/L
In	115	239458.562	239458.562		ug/L
Sb	121	118040.527	0.493	19.901383	ug/L
Sb	123	90284.667	0.377	19.870892	ug/L
Tl	203	135833.737	0.421	19.103784	ug/L
Tl	205	322120.269	0.998	19.087381	ug/L
Pb	208	444016.416	1.374	19.436388	ug/L
Bi	209	322775.920	322775.920		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	345485.288	345486.288		ug/L
Be	9	3866.086	0.011	17.868812	ug/L
V	51	186410.322	0.668	21.434703	ug/L
Cu	63	83880.239	0.342	21.502478	ug/L
Cu	65	40026.233	0.163	21.443508	ug/L
Zn	66	18916.203	0.077	18.508140	ug/L
Zn	68	14235.313	0.057	18.897642	ug/L
Ge	72	244758.231	244758.231		ug/L
As	75	27550.977	0.112	21.413082	ug/L
Se	77	1864.267	0.007	18.191753	ug/L
Se	82	2456.950	0.010	18.654898	ug/L
Rh	103	293711.892	293711.892		ug/L
Ag	107	134908.381	0.459	18.247806	ug/L
Cd	111	31454.408	0.107	17.987877	ug/L
Cd	114	74341.603	0.253	18.297826	ug/L
In	115	238147.798	238147.799		ug/L
Sb	121	118958.548	0.503	20.339879	ug/L
Sb	123	88848.200	0.381	20.074234	ug/L
Tl	203	135048.002	0.418	19.039485	ug/L
Tl	205	317661.849	0.988	18.878488	ug/L
Pb	208	440777.339	1.367	19.341730	ug/L
Bi	209	321987.497	321987.497		ug/L

: 00639

Sample Information

Sample ID: 0B22027-SRD6
Autosampler Position: 104
Sample Date/Time: Tuesday, February 23, 2010 00:02:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-SRD6.122
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	340756.696	340756.696				ug/L
	Be	9	1.667	0.000	0.000454	0.010	2149.509	ug/L
	V	51	5330.249	0.011	0.369012	0.018	4.937	ug/L
	Cu	63	1800.245	0.007	0.422147	0.005	1.195	ug/L
	Cu	65	821.722	0.003	0.396918	0.016	4.030	ug/L
	Zn	66	364.013	0.001	0.240509	0.006	2.509	ug/L
	Zn	68	458.019	0.001	0.276131	0.051	18.496	ug/L
>	Ge	72	244427.597	244427.597				ug/L
	As	75	874.876	0.003	0.646037	0.044	6.852	ug/L
	Se	77	133.669	0.000	0.083726	0.141	168.262	ug/L
	Se	82	-37.385	0.000	0.161335	0.055	33.801	ug/L
>	Rh	103	299315.126	299315.126				ug/L
	Ag	107	89.001	0.000	0.009775	0.000	3.219	ug/L
	Cd	111	3.242	0.000	0.001386	0.002	119.361	ug/L
	Cd	114	5.288	-0.000	-0.000815	0.001	83.057	ug/L
>	In	115	239707.708	239707.708				ug/L
	Sb	121	1574.523	0.006	0.254763	0.008	3.092	ug/L
	Sb	123	1149.559	0.005	0.243561	0.006	2.353	ug/L
	Tl	203	26.000	-0.000	-0.001766	0.000	22.633	ug/L
	Tl	205	71.334	-0.000	-0.000793	0.000	54.737	ug/L
	Pb	208	1583.751	0.003	0.045649	0.001	1.210	ug/L
>	Bi	209	325708.123	325708.123				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	94.121
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.195
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.259
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.443

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.277

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	340680 800	340680 800		ug/L
Be	9	1 000	-0 000	-0 002888	ug/L
V	51	5308 414	0 012	0 378178	ug/L
Cu	63	1781 240	0 007	0 423333	ug/L
Cu	65	841 058	0 003	0 413230	ug/L
Zn	66	351 013	0 001	0 242185	ug/L
Zn	68	495 022	0 001	0 334615	ug/L
Ge	72	241246 718	241246 718		ug/L
As	75	898 486	0 004	0 672240	ug/L
Se	77	131 003	0 000	0 072908	ug/L
Se	82	-34 341	0 000	0 180027	ug/L
Rh	103	297398 798	297398 798		ug/L
Ag	107	87 001	0 000	0 008683	ug/L
Cd	111	1 354	0 000	0 000348	ug/L
Cd	114	2 372	0 000	0 001511	ug/L
In	115	239804 024	239804 024		ug/L
Sb	121	1600 196	0 006	0 258924	ug/L
Sb	123	1145 600	0 005	0 242542	ug/L
Tl	203	29 000	-0 000	-0 001371	ug/L
Tl	205	64 001	-0 000	-0 001246	ug/L
Pb	208	1599 086	0 003	0 045888	ug/L
Bi	209	327725 894	327725 894		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	340508 650	340508 650		ug/L
Be	9	0 000	-0 000	-0 007382	ug/L
V	51	5408 711	0 012	0 383347	ug/L
Cu	63	1768 237	0 007	0 416813	ug/L
Cu	65	786 051	0 003	0 381297	ug/L
Zn	66	367 013	0 001	0 245830	ug/L
Zn	68	439 016	0 001	0 253481	ug/L
Ge	72	243002 778	243002 778		ug/L
As	75	804 417	0 003	0 584926	ug/L
Se	77	147 003	0 000	0 229701	ug/L
Se	82	-31 372	0 000	0 204084	ug/L
Rh	103	296882 027	296882 027		ug/L
Ag	107	91 001	0 000	0 010136	ug/L
Cd	111	1 658	0 000	0 000618	ug/L
Cd	114	5 391	-0 000	-0 000778	ug/L
In	115	238738 888	238738 888		ug/L
Sb	121	1584 191	0 006	0 256888	ug/L
Sb	123	1163 225	0 005	0 246732	ug/L
Tl	203	23 000	-0 000	-0 002170	ug/L
Tl	205	78 001	-0 000	-0 000384	ug/L
Pb	208	1563 082	0 003	0 045017	ug/L
Bi	209	324441 925	324441 925		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	341099 838	341099 838		ug/L
Be	9	4 000	0 000	0 011362	ug/L
V	51	5273 621	0 011	0 348813	ug/L
Cu	63	1851 258	0 007	0 426496	ug/L
Cu	65	836 067	0 003	0 398288	ug/L
Zn	66	364 013	0 001	0 233813	ug/L
Zn	68	440 018	0 001	0 240316	ug/L
Ge	72	249033 297	249033 297		ug/L
As	75	923 725	0 004	0 670842	ug/L
Se	77	173 002	0 000	0 051432	ug/L
Se	82	-46 443	0 000	0 099814	ug/L
Rh	103	303666 566	303666 556		ug/L
Ag	107	89 001	0 000	0 009805	ug/L
Cd	111	6 714	0 000	0 003294	ug/L
Cd	114	8 100	0 000	-0 000188	ug/L
In	115	242582 412	242582 412		ug/L
Sb	121	1539 181	0 006	0 245678	ug/L
Sb	123	1139 861	0 006	0 238408	ug/L
Tl	203	26 000	0 000	-0 001756	ug/L
Tl	205	72 001	0 000	-0 000746	ug/L
Pb	208	1589 084	0 003	0 046041	ug/L
Bi	209	324966 550	324966 550		ug/L

: 00641

Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Tuesday, February 23, 2010 00:05:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.123
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	344449.449	344449.449				ug/L
⌊	Be	9	8033.929	0.023	37.294063	0.160	0.430	ug/L
⌈	V	51	284747.894	1.171	37.720484	0.226	0.599	ug/L
|	Cu	63	149591.021	0.620	38.985837	0.516	1.323	ug/L
|	Cu	65	72190.725	0.299	39.315714	0.848	2.157	ug/L
|	Zn	66	38764.960	0.160	38.641637	0.428	1.108	ug/L
|	Zn	68	28183.453	0.116	38.347073	1.085	2.829	ug/L
|>	Ge	72	241031.516	241031.516				ug/L
|	As	75	49699.173	0.206	39.254633	0.099	0.253	ug/L
|	Se	77	3772.033	0.015	38.327442	0.450	1.173	ug/L
⌊	Se	82	4958.091	0.021	37.769688	0.452	1.196	ug/L
⌈>	Rh	103	293203.801	293203.801				ug/L
|	Ag	107	283443.190	0.967	38.409555	0.303	0.789	ug/L
|	Cd	111	65094.300	0.222	37.293135	0.549	1.473	ug/L
⌊	Cd	114	152786.810	0.521	37.673446	0.288	0.764	ug/L
⌈>	In	115	234762.515	234762.515				ug/L
|	Sb	121	215655.405	0.918	37.094899	0.985	2.655	ug/L
⌊	Sb	123	163847.988	0.698	36.790619	1.070	2.909	ug/L
⌈	Tl	203	270854.595	0.840	38.158446	0.366	0.958	ug/L
|	Tl	205	643531.194	1.997	38.219079	0.076	0.200	ug/L
|	Pb	208	867639.952	2.691	38.063279	0.091	0.240	ug/L
⌊>	Bi	209	322260.374	322260.374				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.141
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.831
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.212
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	96.412

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.237

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346217 501	346217 501		ug/L
Be	9	8089 638	0 023	37 268336	ug/L
V	51	266008 388	1.165	37 518803	ug/L
Cu	63	148891 270	0 611	38 425784	ug/L
Cu	65	71288 868	0 293	38 443083	ug/L
Zn	66	38888 781	0.156	38.168235	ug/L
Zn	68	27839 849	0 113	37.229286	ug/L
Ge	72	243377 211	243377 211		ug/L
As	75	50037 211	0 205	39 140086	ug/L
Se	77	3780 027	0 015	37 818340	ug/L
Se	82	4936 457	0 021	37 261298	ug/L
Rh	103	295011 886	295011 886		ug/L
Ag	107	283567 581	0 961	38.188274	ug/L
Cd	111	64618 882	0 219	38 781390	ug/L
Cd	114	154248 743	0 523	37 799806	ug/L
In	115	234563 488	234563 488		ug/L
Sb	121	208917 272	0 690	35 987723	ug/L
Sb	123	158388 941	0 676	35 597598	ug/L
Tl	205	275672 873	0 848	38 491876	ug/L
Tl	206	647838 327	1 992	38.131108	ug/L
Pb	208	873523 862	2 686	37 979142	ug/L
Bi	209	325161 573	325161 573		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343934 036	343934 036		ug/L
Be	9	7990 647	0 023	37.148067	ug/L
V	51	264184 140	1.170	37 678080	ug/L
Cu	63	149868.124	0 622	39 090888	ug/L
Cu	65	72222 003	0 300	39 367244	ug/L
Zn	66	38841.708	0 161	38 754821	ug/L
Zn	68	28211 886	0 116	38 418480	ug/L
Ge	72	240788 636	240788 636		ug/L
As	75	49726 370	0 206	39 315238	ug/L
Se	77	3801 049	0 015	38 670298	ug/L
Se	82	5000 510	0 021	38 124820	ug/L
Rh	103	291183 441	291183 441		ug/L
Ag	107	284031 883	0 975	38 756113	ug/L
Cd	111	65688 801	0 226	37 879803	ug/L
Cd	114	152562 672	0 524	37 876431	ug/L
In	115	235804 782	235804 782		ug/L
Sb	121	219137 872	0 929	37 527588	ug/L
Sb	123	165987.736	0 704	37 108446	ug/L
Tl	203	267598 808	0 632	37 787488	ug/L
Tl	206	643137 840	1 998	38 288466	ug/L
Pb	208	868193 808	2 698	38.180274	ug/L
Bi	209	321644 560	321644 560		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343196 809	343196 809		ug/L
Be	9	8041 805	0 023	37 485796	ug/L
V	51	264084.178	1 179	37.984580	ug/L
Cu	63	150028 670	0 627	39 440756	ug/L
Cu	65	73083 506	0 306	40.138836	ug/L
Zn	66	38786 408	0 162	39 001755	ug/L
Zn	68	28908 824	0.119	39 394463	ug/L
Ge	72	238928 688	238928 688		ug/L
As	75	49333 838	0 206	39 306598	ug/L
Se	77	3756 024	0 015	38.493688	ug/L
Se	82	4936 306	0 021	37.922947	ug/L
Rh	103	293416 087	293416 087		ug/L
Ag	107	282740 106	0 964	38 286277	ug/L
Cd	111	64997 278	0 222	37 208213	ug/L
Cd	114	151562 014	0 517	37.344100	ug/L
In	115	233829 278	233829 278		ug/L
Sb	121	218811 072	0 936	37.788388	ug/L
Sb	123	167180 287	0 714	37 668614	ug/L
Tl	203	269331 443	0 842	38 215983	ug/L
Tl	206	639817 614	1.999	38 257586	ug/L
Pb	208	861202 487	2 690	38 060421	ug/L
Bi	209	319975 001	319975 001		ug/L

: 00643

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Tuesday, February 23, 2010 00:14:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.124
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	337868.537	337868.537				ug/L
⌊	Be	9	2.333	0.000	0.003626	0.005	147.282	ug/L
⌈	V	51	2169.042	-0.001	-0.044790	0.004	8.666	ug/L
|	Cu	63	191.004	0.000	0.008764	0.005	56.336	ug/L
|	Cu	65	95.335	0.000	0.006925	0.002	29.226	ug/L
|	Zn	66	139.669	0.000	0.020712	0.004	17.343	ug/L
|	Zn	68	275.008	0.000	0.032034	0.024	75.819	ug/L
|>	Ge	72	241940.108	241940.108				ug/L
|	As	75	-33.015	-0.000	-0.061719	0.018	29.027	ug/L
|	Se	77	132.003	0.000	0.078974	0.129	163.600	ug/L
⌊	Se	82	-56.180	0.000	0.018022	0.129	717.964	ug/L
⌈>	Rh	103	295974.974	295974.974				ug/L
|	Ag	107	80.335	0.000	0.008751	0.002	22.889	ug/L
|	Cd	111	1.815	0.000	0.000604	0.002	302.535	ug/L
⌊	Cd	114	11.658	0.000	0.000761	0.000	15.986	ug/L
⌈>	In	115	238109.782	238109.782				ug/L
|	Sb	121	543.026	0.002	0.081482	0.006	7.000	ug/L
⌊	Sb	123	409.846	0.002	0.081376	0.010	12.328	ug/L
⌈	Tl	203	35.667	-0.000	-0.000474	0.001	253.410	ug/L
|	Tl	205	79.668	-0.000	-0.000367	0.001	195.876	ug/L
|	Pb	208	1569.415	0.003	0.044157	0.003	6.205	ug/L
⌊>	Bi	209	329884.923	329884.923				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.323
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.196
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.140
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.787

: 00644

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.537

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	331681.017	331681.017		ug/L
	Be	9	1.000	-0.000	-0.002540	ug/L
	V	51	2177.688	-0.001	-0.048282	ug/L
	Cu	63	172.004	0.000	0.003088	ug/L
	Cu	65	93.002	0.000	0.004836	ug/L
	Zn	66	136.003	0.000	0.016836	ug/L
	Zn	68	260.007	0.000	0.006842	ug/L
>	Ge	72	245861.854	245861.854		ug/L
	As	75	58.023	-0.000	-0.079270	ug/L
	Se	77	136.003	0.000	0.119251	ug/L
	Se	82	-73.491	-0.000	-0.104113	ug/L
>	Rh	103	295872.412	295872.412		ug/L
	Ag	107	73.001	0.000	0.007756	ug/L
	Cd	111	2.288	0.000	0.000879	ug/L
	Cd	114	12.043	0.000	0.000854	ug/L
>	In	115	240866.224	240866.224		ug/L
	Sb	121	588.030	0.002	0.087680	ug/L
	Sb	123	463.516	0.002	0.082120	ug/L
	Tl	203	39.000	-0.000	-0.000026	ug/L
	Tl	205	88.001	0.000	0.000171	ug/L
	Pb	208	1815.076	0.003	0.041743	ug/L
>	Bi	209	330348.548	330348.548		ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	339694.157	339694.157		ug/L
	Be	9	3.000	0.000	0.008782	ug/L
	V	51	2143.078	-0.001	-0.046478	ug/L
	Cu	63	201.005	0.000	0.011828	ug/L
	Cu	65	98.002	0.000	0.008878	ug/L
	Zn	66	139.003	0.000	0.021374	ug/L
	Zn	68	268.009	0.000	0.053447	ug/L
>	Ge	72	239593.425	239593.425		ug/L
	As	75	-33.421	-0.000	0.082429	ug/L
	Se	77	117.002	0.000	0.065668	ug/L
	Se	82	-37.581	0.000	0.153622	ug/L
>	Rh	103	294287.894	294287.894		ug/L
	Ag	107	97.002	0.000	0.011056	ug/L
	Cd	111	1.622	-0.000	-0.001346	ug/L
	Cd	114	11.770	0.000	0.000804	ug/L
>	In	115	239494.073	239494.073		ug/L
	Sb	121	516.024	0.002	0.076416	ug/L
	Sb	123	370.638	0.001	0.072252	ug/L
	Tl	203	28.000	-0.000	-0.001836	ug/L
	Tl	205	85.001	-0.000	-0.000088	ug/L
	Pb	208	1680.080	0.003	0.047135	ug/L
>	Bi	209	332178.714	332178.714		ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	342260.437	342260.437		ug/L
	Be	9	3.000	0.000	0.009696	ug/L
	V	51	2186.381	0.001	0.040811	ug/L
	Cu	63	200.005	0.000	0.011398	ug/L
	Cu	65	96.002	0.000	0.007062	ug/L
	Zn	66	142.003	0.000	0.023928	ug/L
	Zn	68	277.008	0.000	0.037013	ug/L
>	Ge	72	240375.046	240375.046		ug/L
	As	75	9.602	-0.000	-0.043460	ug/L
	Se	77	141.003	0.000	0.183238	ug/L
	Se	82	-57.458	0.000	0.004586	ug/L
>	Rh	103	297884.615	297884.615		ug/L
	Ag	107	71.001	0.000	0.007437	ug/L
	Cd	111	4.779	0.000	0.002977	ug/L
	Cd	114	11.180	0.000	0.000823	ug/L
>	In	115	233988.060	233988.060		ug/L
	Sb	121	527.025	0.002	0.080371	ug/L
	Sb	123	396.388	0.002	0.079767	ug/L
	Tl	203	42.001	0.000	0.000441	ug/L
	Tl	205	68.001	0.000	-0.001183	ug/L
	Pb	208	1543.079	0.003	0.043582	ug/L
>	Bi	209	327130.508	327130.508		ug/L

Sample ID: 0B22027-CCB
Report Date/Time: Tuesday, February 23, 2010 00:16:08

Sample Information

Sample ID: 1001400-PS2
Autosampler Position: 105
Sample Date/Time: Tuesday, February 23, 2010 00:17:35
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001400-PS2.125
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	341791.999	341791.999				ug/L
⌊	Be	9	4124.899	0.012	19.292511	0.232	1.202	ug/L
⌈	V	51	167754.042	0.675	21.751750	0.669	3.077	ug/L
|	Cu	63	85691.492	0.350	21.979115	0.375	1.707	ug/L
|	Cu	65	40612.200	0.166	21.763573	0.260	1.196	ug/L
|	Zn	66	19922.616	0.081	19.500111	0.207	1.063	ug/L
|	Zn	68	14740.344	0.059	19.583358	0.202	1.033	ug/L
|>	Ge	72	244716.135	244716.135				ug/L
|	As	75	28988.820	0.118	22.537786	0.260	1.154	ug/L
|	Se	77	1869.263	0.007	18.040984	0.188	1.041	ug/L
⌊	Se	82	2402.337	0.010	18.255444	0.424	2.320	ug/L
⌈>	Rh	103	299017.806	299017.806				ug/L
|	Ag	107	142640.003	0.477	18.958705	0.557	2.940	ug/L
|	Cd	111	32575.147	0.109	18.303066	0.404	2.206	ug/L
⌊	Cd	114	76971.132	0.257	18.610720	0.231	1.243	ug/L
⌈>	In	115	241134.757	241134.757				ug/L
|	Sb	121	113688.738	0.471	19.035730	0.525	2.758	ug/L
⌊	Sb	123	85916.351	0.356	18.778377	0.247	1.317	ug/L
⌈	Tl	203	139476.998	0.426	19.331098	0.561	2.904	ug/L
|	Tl	205	333622.407	1.018	19.490974	0.538	2.762	ug/L
|	Pb	208	452129.978	1.379	19.502689	0.505	2.590	ug/L
⌊>	Bi	209	327728.712	327728.712				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.407
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.311
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.159
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.029

: 00646

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.887

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342899.002	342899.002		ug/L
Be	9	4125.232	0.012	19.232846	ug/L
V	51	171482.338	0.869	22.522987	ug/L
Cu	63	88117.986	0.286	22.365866	ug/L
Cu	65	40818.585	0.168	22.040860	ug/L
Zn	66	19824.116	0.081	19.460741	ug/L
Zn	68	14812.874	0.059	19.524209	ug/L
Ga	72	241681.399	241681.399		ug/L
As	75	28921.725	0.119	22.768773	ug/L
Se	77	1863.262	0.007	18.221461	ug/L
Se	82	2423.990	0.010	18.640832	ug/L
Rh	103	304707.519	304707.519		ug/L
Ag	107	141002.514	0.463	18.384293	ug/L
Cd	111	32366.208	0.108	17.640930	ug/L
Cd	114	77412.834	0.254	18.386286	ug/L
In	115	241612.978	241612.978		ug/L
Sb	121	110583.686	0.457	18.478610	ug/L
Sb	123	84958.743	0.351	18.531108	ug/L
Tl	203	139727.816	0.412	18.697012	ug/L
Tl	205	335208.523	0.988	18.908224	ug/L
Pb	208	454581.500	1.336	18.932336	ug/L
Bi	209	339250.810	339250.810		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339228.706	339228.706		ug/L
Be	9	4062.190	0.012	18.998472	ug/L
V	51	166541.306	0.562	21.321856	ug/L
Cu	63	84812.391	0.344	21.616882	ug/L
Cu	65	40784.569	0.166	21.725219	ug/L
Zn	66	20277.948	0.082	19.727672	ug/L
Zn	68	14998.881	0.060	19.808688	ug/L
Ga	72	246228.604	246228.604		ug/L
As	75	29806.986	0.117	22.256220	ug/L
Se	77	1862.267	0.007	18.064775	ug/L
Se	82	2358.987	0.010	17.802025	ug/L
Rh	103	298856.896	298856.896		ug/L
Ag	107	142986.399	0.478	18.994568	ug/L
Cd	111	32981.338	0.110	18.480292	ug/L
Cd	114	77828.548	0.260	18.626403	ug/L
In	115	243411.315	243411.315		ug/L
Sb	121	115208.783	0.473	19.107539	ug/L
Sb	123	86731.503	0.356	18.778139	ug/L
Tl	203	138821.388	0.430	18.531241	ug/L
Tl	205	330367.421	1.024	18.594793	ug/L
Pb	208	449487.448	1.391	19.682498	ug/L
Bi	209	322657.756	322657.756		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343250.289	343250.289		ug/L
Be	9	4197.275	0.012	19.648516	ug/L
V	51	166236.483	0.565	21.410407	ug/L
Cu	63	86144.200	0.348	21.964388	ug/L
Cu	65	40423.464	0.164	21.524850	ug/L
Zn	66	19885.786	0.080	19.321820	ug/L
Zn	68	14709.277	0.059	19.417168	ug/L
Ga	72	246258.513	246258.513		ug/L
As	75	29238.748	0.118	22.588364	ug/L
Se	77	1862.281	0.007	17.846712	ug/L
Se	82	2427.036	0.010	18.323477	ug/L
Rh	103	293488.004	293488.004		ug/L
Ag	107	144032.088	0.491	19.497254	ug/L
Cd	111	32478.864	0.111	18.567976	ug/L
Cd	114	75871.913	0.258	18.639493	ug/L
In	115	238379.980	238379.980		ug/L
Sb	121	115268.733	0.483	19.521041	ug/L
Sb	123	86068.808	0.361	19.025882	ug/L
Tl	203	139881.768	0.438	19.785042	ug/L
Tl	205	335270.278	1.043	19.989808	ug/L
Pb	208	452330.988	1.408	19.893233	ug/L
Bi	209	321277.572	321277.572		ug/L

: 00647

Sample Information

Sample ID: 1002144-21
Autosampler Position: 106
Sample Date/Time: Tuesday, February 23, 2010 00:26:06
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-21.126
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	338024.694	338024.694				ug/L
	Be	9	1.667	0.000	0.000436	0.007	1635.845	ug/L
	V	51	2034.761	-0.002	-0.065445	0.008	12.896	ug/L
	Cu	63	4145.577	0.016	1.025677	0.008	0.810	ug/L
	Cu	65	1998.300	0.008	1.029663	0.027	2.633	ug/L
	Zn	66	2926.295	0.011	2.766933	0.042	1.530	ug/L
	Zn	68	2902.953	0.011	3.586169	0.161	4.495	ug/L
>	Ge	72	244390.742	244390.742				ug/L
	As	75	136.574	0.000	0.070557	0.021	29.217	ug/L
	Se	77	131.003	0.000	0.055249	0.205	370.643	ug/L
	Se	82	-35.810	0.000	0.172451	0.046	26.611	ug/L
>	Rh	103	299762.436	299762.436				ug/L
	Ag	107	90.668	0.000	0.009970	0.002	16.596	ug/L
	Cd	111	8.330	0.000	0.004265	0.003	67.601	ug/L
	Cd	114	14.818	0.000	0.001489	0.002	118.905	ug/L
>	In	115	239930.756	239930.756				ug/L
	Sb	121	4549.827	0.019	0.755371	0.006	0.815	ug/L
	Sb	123	3413.596	0.014	0.740820	0.027	3.655	ug/L
	Tl	203	27.000	-0.000	-0.001633	0.000	14.725	ug/L
	Tl	205	62.001	-0.000	-0.001346	0.000	22.501	ug/L
	Pb	208	6802.652	0.019	0.271813	0.011	4.137	ug/L
>	Bi	209	326498.879	326498.879				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	93.366
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.180
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.409
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.534

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.516

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	331223.869	331223.869		ug/L
Be	9	0.000	-0.000	-0.007382	ug/L
V	51	2111.802	0.002	0.067288	ug/L
Cu	63	4154.249	0.016	1.020091	ug/L
Cu	65	1956.287	0.008	0.998743	ug/L
Zn	66	2977.650	0.012	2.796291	ug/L
Zn	68	2793.874	0.010	3.408698	ug/L
Ge	72	246188.148	246188.148		ug/L
As	75	167.328	0.000	0.093883	ug/L
Se	77	137.003	0.000	0.107023	ug/L
Se	82	-34.639	0.000	0.183016	ug/L
Rh	103	298448.586	298448.586		ug/L
Ag	107	77.001	0.000	0.006280	ug/L
Cd	111	13.983	0.000	0.007504	ug/L
Cd	114	16.279	0.000	0.002814	ug/L
In	115	239724.383	239724.383		ug/L
Sb	121	4566.506	0.019	0.758833	ug/L
Sb	123	3338.408	0.015	0.758820	ug/L
Tl	203	28.000	-0.000	0.001618	ug/L
Tl	205	58.001	-0.000	-0.001884	ug/L
Pb	208	6756.282	0.018	0.280317	ug/L
Bi	209	337181.188	337181.188		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339401.734	339401.734		ug/L
Be	9	2.000	0.000	0.002082	ug/L
V	51	2034.468	0.002	0.064908	ug/L
Cu	63	4174.281	0.016	1.035220	ug/L
Cu	65	2018.304	0.008	1.040883	ug/L
Zn	66	2939.834	0.012	2.788109	ug/L
Zn	68	3000.880	0.011	3.726080	ug/L
Ge	72	243886.486	243886.486		ug/L
As	75	118.086	0.000	0.064048	ug/L
Se	77	109.002	-0.000	-0.170444	ug/L
Se	82	42.490	0.000	0.122199	ug/L
Rh	103	300323.842	300323.842		ug/L
Ag	107	103.002	0.000	0.011588	ug/L
Cd	111	4.286	0.000	0.001879	ug/L
Cd	114	6.379	-0.000	-0.000662	ug/L
In	115	239814.332	239814.332		ug/L
Sb	121	4565.804	0.019	0.758018	ug/L
Sb	123	3291.268	0.014	0.714899	ug/L
Tl	203	25.000	-0.000	0.001881	ug/L
Tl	205	54.001	0.000	-0.001200	ug/L
Pb	208	6758.308	0.018	0.272336	ug/L
Bi	209	323561.290	323561.290		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343448.488	343448.488		ug/L
Be	9	3.000	0.000	0.006607	ug/L
V	51	1958.013	-0.002	0.074142	ug/L
Cu	63	4108.222	0.016	1.021719	ug/L
Cu	65	2024.307	0.008	1.049362	ug/L
Zn	66	2881.802	0.011	2.716413	ug/L
Zn	68	2914.624	0.011	3.622528	ug/L
Ge	72	243087.593	243087.593		ug/L
As	75	127.329	0.000	0.063981	ug/L
Se	77	147.003	0.000	0.228167	ug/L
Se	82	30.301	0.000	0.212137	ug/L
Rh	103	302515.201	302515.201		ug/L
Ag	107	92.002	0.000	0.010043	ug/L
Cd	111	8.719	0.000	0.003311	ug/L
Cd	114	18.795	0.000	0.002408	ug/L
In	115	240453.564	240453.564		ug/L
Sb	121	4517.473	0.019	0.748263	ug/L
Sb	123	3411.093	0.014	0.738842	ug/L
Tl	203	28.000	0.000	0.001400	ug/L
Tl	205	54.001	0.000	0.001143	ug/L
Pb	208	6893.397	0.020	0.282788	ug/L
Bi	209	318754.182	318754.182		ug/L

: 00649

Sample Information

Sample ID: 1002144-22
Autosampler Position: 107
Sample Date/Time: Tuesday, February 23, 2010 00:29:22
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-22.127
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	338139.154	338139.154				ug/L
⌊	Be	9	1.000	-0.000	-0.002659	0.005	177.055	ug/L
⌈	V	51	4906.168	0.010	0.308271	0.027	8.878	ug/L
|	Cu	63	3480.549	0.013	0.848165	0.019	2.206	ug/L
|	Cu	65	1709.889	0.007	0.867715	0.036	4.104	ug/L
|	Zn	66	2391.091	0.009	2.221896	0.060	2.694	ug/L
|	Zn	68	1951.286	0.007	2.278168	0.062	2.710	ug/L
|>	Ge	72	246177.304	246177.304				ug/L
|	As	75	236.828	0.001	0.147523	0.016	10.742	ug/L
|	Se	77	131.003	0.000	0.045437	0.090	198.804	ug/L
⌊	Se	82	-50.862	0.000	0.063626	0.110	172.524	ug/L
⌈>	Rh	103	296874.736	296874.736				ug/L
|	Ag	107	76.001	0.000	0.008131	0.001	8.640	ug/L
|	Cd	111	3.374	0.000	0.001491	0.002	161.060	ug/L
⌊	Cd	114	16.983	0.000	0.002049	0.001	55.318	ug/L
⌈>	In	115	241836.866	241836.866				ug/L
|	Sb	121	3247.104	0.013	0.531830	0.017	3.289	ug/L
⌊	Sb	123	2506.045	0.010	0.537087	0.018	3.282	ug/L
⌈	Tl	203	35.667	-0.000	-0.000467	0.001	246.857	ug/L
|	Tl	205	90.668	0.000	0.000297	0.000	129.310	ug/L
|	Pb	208	11840.272	0.034	0.486837	0.011	2.266	ug/L
⌊>	Bi	209	328475.711	328475.711				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.398
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.898
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.441
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.317

: 00650

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.112

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	333862.089	333862.089		ug/L
Be	9	0.000	-0.000	0.007382	ug/L
V	51	5129.608	0.010	0.336861	ug/L
Cu	63	3486.881	0.014	0.851386	ug/L
Cu	65	1763.240	0.007	0.908088	ug/L
Zn	66	2414.432	0.009	2.242842	ug/L
Zn	68	1900.272	0.007	2.207139	ug/L
Ge	72	248409.593	248408.593		ug/L
As	75	252.984	0.001	0.159769	ug/L
Se	77	141.003	0.000	0.146883	ug/L
Se	82	35.482	0.000	0.177035	ug/L
Rh	103	298588.229	298588.229		ug/L
Ag	107	74.001	0.000	0.007879	ug/L
Cd	111	7.087	0.000	0.003583	ug/L
Cd	114	20.920	0.000	0.003012	ug/L
In	115	242564.388	242564.388		ug/L
Sb	121	3232.784	0.013	0.527744	ug/L
Sb	123	2422.087	0.010	0.817186	ug/L
Tl	203	43.001	0.000	0.000448	ug/L
Tl	205	93.002	0.000	0.000338	ug/L
Pb	208	11806.987	0.034	0.479992	ug/L
Bi	209	334498.312	334498.312		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	340775.911	340775.911		ug/L
Be	9	1.000	-0.000	0.002668	ug/L
V	51	4066.786	0.008	0.262436	ug/L
Cu	63	3515.905	0.014	0.866050	ug/L
Cu	65	1636.204	0.008	0.835673	ug/L
Zn	66	2301.394	0.009	2.154375	ug/L
Zn	68	1954.280	0.007	2.318988	ug/L
Ge	72	244015.448	244015.448		ug/L
As	75	242.083	0.001	0.153178	ug/L
Se	77	127.002	0.000	0.015788	ug/L
Se	82	51.419	0.000	0.066944	ug/L
Rh	103	298938.211	298938.211		ug/L
Ag	107	72.001	0.000	0.007584	ug/L
Cd	111	-1.257	-0.000	0.001130	ug/L
Cd	114	18.166	0.000	0.002336	ug/L
In	115	243324.053	243324.053		ug/L
Sb	121	3176.738	0.013	0.516740	ug/L
Sb	123	2550.978	0.010	0.543436	ug/L
Tl	203	36.000	-0.000	-0.000387	ug/L
Tl	205	98.002	0.000	0.000680	ug/L
Pb	208	11597.737	0.034	0.460958	ug/L
Bi	209	325468.704	325468.704		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339679.483	339679.483		ug/L
Be	9	2.000	0.000	0.002054	ug/L
V	51	4922.101	0.009	0.308424	ug/L
Cu	63	3428.867	0.013	0.828060	ug/L
Cu	65	1711.222	0.007	0.881412	ug/L
Zn	66	2487.447	0.009	2.268409	ug/L
Zn	68	1988.297	0.007	2.308398	ug/L
Ge	72	248108.671	248108.671		ug/L
As	75	215.459	0.001	0.129826	ug/L
Se	77	125.002	-0.000	-0.026349	ug/L
Se	82	65.686	-0.000	-0.042102	ug/L
Rh	103	297098.787	297098.787		ug/L
Ag	107	82.001	0.000	0.008926	ug/L
Cd	111	4.313	0.000	0.002019	ug/L
Cd	114	11.866	0.000	0.000800	ug/L
In	115	239832.147	239832.147		ug/L
Sb	121	3331.810	0.014	0.551006	ug/L
Sb	123	2548.101	0.010	0.550658	ug/L
Tl	203	26.000	-0.000	0.001762	ug/L
Tl	205	63.001	0.000	0.000106	ug/L
Pb	208	12026.092	0.036	0.499681	ug/L
Bi	209	325468.116	325468.116		ug/L

: 00651

Sample Information

Sample ID: 1002144-23
Autosampler Position: 108
Sample Date/Time: Tuesday, February 23, 2010 00:32:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-23.128
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	340684.206	340684.206				ug/L
[	Be	9	1.333	-0.000	-0.001056	0.007	687.827	ug/L
[	V	51	3882.775	0.005	0.176848	0.007	3.697	ug/L
[	Cu	63	558.694	0.002	0.102452	0.002	1.988	ug/L
[	Cu	65	256.007	0.001	0.092442	0.005	5.263	ug/L
[	Zn	66	811.721	0.003	0.679798	0.038	5.609	ug/L
[	Zn	68	783.718	0.002	0.714195	0.054	7.571	ug/L
[>	Ge	72	245011.473	245011.473				ug/L
[	As	75	257.346	0.001	0.164174	0.037	22.499	ug/L
[	Se	77	132.336	0.000	0.065544	0.010	15.881	ug/L
[	Se	82	-49.425	0.000	0.071548	0.182	254.658	ug/L
[>	Rh	103	297744.977	297744.977				ug/L
[	Ag	107	59.001	0.000	0.005835	0.001	14.955	ug/L
[	Cd	111	4.542	0.000	0.002139	0.003	142.788	ug/L
[	Cd	114	13.780	0.000	0.001254	0.001	104.209	ug/L
[>	In	115	239313.472	239313.472				ug/L
[	Sb	121	281.342	0.001	0.036872	0.003	7.995	ug/L
[	Sb	123	208.502	0.001	0.036577	0.004	9.808	ug/L
[	Tl	203	26.334	-0.000	-0.001724	0.000	17.936	ug/L
[	Tl	205	59.001	-0.000	-0.001516	0.001	74.028	ug/L
[	Pb	208	886.364	0.001	0.015258	0.001	7.231	ug/L
[>	Bi	209	326721.498	326721.498				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	94.101
[	Be	9.012	
[	V	50.944	
[	Cu	62.930	
[	Cu	64.928	
[	Zn	65.926	
[	Zn	67.925	
[>	Ge	71.922	98.430
[	As	74.922	
[	Se	76.920	
[	Se	81.917	
[>	Rh	102.905	99.733
[	Ag	106.905	
[	Cd	110.904	
[	Cd	113.904	
[>	In	114.904	98.281

: 00652

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	98.583

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	342813.018	342813.018		ug/L
Be	9	0.000	-0.000	-0.007362	ug/L
V	51	3919.081	0.005	0.178083	ug/L
Cu	63	569.028	0.002	0.104084	ug/L
Cu	65	253.007	0.001	0.088875	ug/L
Zn	66	882.081	0.003	0.723568	ug/L
Zn	68	749.046	0.002	0.664806	ug/L
Ge	72	248725.215	248725.215		ug/L
As	75	286.560	0.001	0.185457	ug/L
Se	77	134.003	0.000	0.073186	ug/L
Se	82	21.288	0.000	0.281786	ug/L
Rh	103	295871.371	295871.371		ug/L
Ag	107	66.001	0.000	0.005820	ug/L
Cd	111	4.288	0.000	0.002014	ug/L
Cd	114	0.788	0.000	0.000082	ug/L
In	115	242002.079	242002.079		ug/L
Sb	121	279.008	0.001	0.035286	ug/L
Sb	123	215.502	0.001	0.037807	ug/L
Tl	203	29.000	-0.000	-0.002012	ug/L
Tl	205	53.001	-0.000	-0.001988	ug/L
Pb	208	897.032	0.001	0.014621	ug/L
Bi	209	336082.811	336082.811		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	336888.208	336888.208		ug/L
Be	9	3.000	0.000	0.008887	ug/L
V	51	3921.663	0.006	0.182699	ug/L
Cu	63	549.027	0.002	0.100173	ug/L
Cu	65	250.007	0.001	0.089397	ug/L
Zn	66	784.081	0.003	0.653815	ug/L
Zn	68	817.066	0.002	0.780878	ug/L
Ge	72	244867.190	244867.190		ug/L
As	75	284.270	0.001	0.185643	ug/L
Se	77	131.003	0.000	0.063686	ug/L
Se	82	-84.561	-0.000	-0.040508	ug/L
Rh	103	298139.838	298139.838		ug/L
Ag	107	54.001	0.000	0.008158	ug/L
Cd	111	0.788	0.000	-0.000881	ug/L
Cd	114	12.936	0.000	0.001049	ug/L
In	115	237019.115	237019.115		ug/L
Sb	121	268.008	0.001	0.035057	ug/L
Sb	123	188.501	0.001	0.032587	ug/L
Tl	203	29.000	0.000	0.001783	ug/L
Tl	205	46.001	0.000	0.002341	ug/L
Pb	208	869.030	0.001	0.014621	ug/L
Bi	209	325598.836	325598.836		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	342540.392	342540.392		ug/L
Be	9	1.000	0.000	-0.002693	ug/L
V	51	3807.601	0.006	0.189782	ug/L
Cu	63	556.027	0.002	0.103080	ug/L
Cu	65	269.008	0.001	0.098082	ug/L
Zn	66	786.081	0.003	0.662010	ug/L
Zn	68	786.061	0.002	0.727202	ug/L
Ge	72	243842.016	243842.016		ug/L
As	75	201.219	0.001	0.121522	ug/L
Se	77	132.003	0.000	0.064783	ug/L
Se	82	-62.426	-0.000	-0.029633	ug/L
Rh	103	299123.728	299123.728		ug/L
Ag	107	57.001	0.000	0.008631	ug/L
Cd	111	10.103	0.000	0.006254	ug/L
Cd	114	10.606	0.000	0.002861	ug/L
In	115	238919.223	238919.223		ug/L
Sb	121	301.009	0.001	0.040274	ug/L
Sb	123	221.502	0.001	0.038537	ug/L
Tl	203	29.000	0.000	-0.001387	ug/L
Tl	205	49.001	-0.000	-0.000238	ug/L
Pb	208	893.030	0.001	0.016532	ug/L
Bi	209	318473.047	318473.047		ug/L

: 00653

Sample Information

Sample ID: 1002144-24
Autosampler Position: 109
Sample Date/Time: Tuesday, February 23, 2010 00:35:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-24.129
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	344819.091	344819.091				ug/L
	Be	9	1.333	-0.000	-0.001186	0.003	222.661	ug/L
	V	51	4031.973	0.006	0.197497	0.006	3.271	ug/L
	Cu	63	711.043	0.002	0.141861	0.004	2.703	ug/L
	Cu	65	325.344	0.001	0.129904	0.004	3.210	ug/L
	Zn	66	832.724	0.003	0.702111	0.016	2.260	ug/L
	Zn	68	799.053	0.002	0.736638	0.039	5.272	ug/L
>	Ge	72	244564.542	244564.542				ug/L
	As	75	314.138	0.001	0.209640	0.095	45.459	ug/L
	Se	77	135.336	0.000	0.100686	0.181	179.916	ug/L
	Se	82	-36.802	0.000	0.165302	0.115	69.362	ug/L
>	Rh	103	298491.688	298491.688				ug/L
	Ag	107	51.334	0.000	0.004790	0.001	22.114	ug/L
	Cd	111	-1.222	-0.000	-0.001114	0.001	118.243	ug/L
	Cd	114	11.614	0.000	0.000719	0.001	203.191	ug/L
>	In	115	240132.270	240132.270				ug/L
	Sb	121	232.673	0.001	0.028525	0.002	7.513	ug/L
	Sb	123	194.709	0.001	0.033426	0.003	8.769	ug/L
	Tl	203	30.667	-0.000	-0.001119	0.000	30.128	ug/L
	Tl	205	68.001	-0.000	-0.001000	0.000	23.862	ug/L
	Pb	208	1260.389	0.002	0.031523	0.001	3.896	ug/L
>	Bi	209	326300.319	326300.319				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.243
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.250
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.983
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.617

: 00654

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.456

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	340784.378	340784.378		ug/L
Be	9	1.000	-0.000	-0.002888	ug/L
V	51	4013.805	0.006	0.200982	ug/L
Cu	63	702.042	0.002	0.141487	ug/L
Cu	65	313.010	0.001	0.125088	ug/L
Zn	66	838.066	0.003	0.716181	ug/L
Zn	68	810.054	0.002	0.763287	ug/L
Ge	72	241984.044	241984.044		ug/L
As	75	444.742	0.002	0.314380	ug/L
Se	77	149.003	0.000	0.257079	ug/L
Se	82	-23.442	0.000	0.262546	ug/L
Rh	103	301318.087	301318.087		ug/L
Ag	107	57.001	0.000	0.005476	ug/L
Cd	111	1.479	0.000	0.000408	ug/L
Cd	114	16.172	0.000	0.002273	ug/L
In	115	240610.623	240610.623		ug/L
Sb	121	247.007	0.001	0.030867	ug/L
Sb	123	201.827	0.001	0.034866	ug/L
Tl	203	29.000	0.000	0.001448	ug/L
Tl	205	74.001	-0.000	-0.000740	ug/L
Pb	208	1254.056	0.002	0.030126	ug/L
Bi	209	333580.282	333580.282		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346894.802	346894.802		ug/L
Be	9	1.000	-0.000	-0.002753	ug/L
V	51	4033.582	0.006	0.190086	ug/L
Cu	63	727.048	0.002	0.145884	ug/L
Cu	65	333.011	0.001	0.132563	ug/L
Zn	66	848.059	0.003	0.705288	ug/L
Zn	68	824.056	0.002	0.754583	ug/L
Ge	72	248109.976	248109.976		ug/L
As	75	313.341	0.001	0.127997	ug/L
Se	77	118.002	-0.000	0.097808	ug/L
Se	82	-33.340	0.000	0.194487	ug/L
Rh	103	298725.726	298725.726		ug/L
Ag	107	55.001	0.000	0.005324	ug/L
Cd	111	-2.682	-0.000	-0.001638	ug/L
Cd	114	10.564	0.000	0.000508	ug/L
In	115	237167.278	237167.278		ug/L
Sb	121	227.006	0.001	0.028046	ug/L
Sb	123	201.124	0.001	0.035367	ug/L
Tl	203	33.000	-0.000	-0.000788	ug/L
Tl	205	84.001	0.000	-0.001208	ug/L
Pb	208	1264.056	0.002	0.031988	ug/L
Bi	209	324348.838	324348.838		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346887.980	346887.980		ug/L
Be	9	2.000	0.000	0.001883	ug/L
V	51	4048.734	0.006	0.201784	ug/L
Cu	63	694.041	0.002	0.138222	ug/L
Cu	65	328.011	0.001	0.132052	ug/L
Zn	66	812.054	0.003	0.684902	ug/L
Zn	68	763.048	0.002	0.692073	ug/L
Ge	72	243599.805	243599.805		ug/L
As	75	284.331	0.001	0.166561	ug/L
Se	77	139.003	0.000	0.142787	ug/L
Se	82	53.623	0.000	0.038874	ug/L
Rh	103	297433.268	297433.268		ug/L
Ag	107	42.001	0.000	0.003570	ug/L
Cd	111	-2.461	-0.000	-0.001809	ug/L
Cd	114	6.018	-0.000	-0.000829	ug/L
In	115	242718.913	242718.913		ug/L
Sb	121	224.006	0.001	0.026882	ug/L
Sb	123	181.375	0.001	0.030084	ug/L
Tl	203	30.000	0.000	-0.001146	ug/L
Tl	205	86.001	0.000	-0.001050	ug/L
Pb	208	1261.056	0.002	0.032448	ug/L
Bi	209	320981.839	320981.839		ug/L

: 00655

Sample Information

Sample ID: 1002144-25
Autosampler Position: 110
Sample Date/Time: Tuesday, February 23, 2010 00:39:09
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-25.130
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	344975.220	344975.220				ug/L
	Be	9	2.000	0.000	0.001909	0.005	244.670	ug/L
	V	51	11082.378	0.035	1.122892	0.034	3.006	ug/L
	Cu	63	1956.287	0.007	0.460937	0.006	1.203	ug/L
	Cu	65	922.069	0.003	0.449445	0.006	1.292	ug/L
	Zn	66	2043.646	0.008	1.890813	0.037	1.937	ug/L
	Zn	68	1686.549	0.006	1.932378	0.048	2.478	ug/L
>	Ge	72	245113.573	245113.573				ug/L
	As	75	1530.968	0.006	1.153983	0.080	6.972	ug/L
	Se	77	142.003	0.000	0.165148	0.101	60.909	ug/L
	Se	82	-19.983	0.000	0.289564	0.195	67.188	ug/L
>	Rh	103	298555.677	298555.677				ug/L
	Ag	107	56.001	0.000	0.005408	0.001	18.657	ug/L
	Cd	111	4.384	0.000	0.002039	0.002	91.300	ug/L
	Cd	114	17.166	0.000	0.002061	0.002	86.997	ug/L
>	In	115	238966.250	238966.250				ug/L
	Sb	121	686.040	0.003	0.105380	0.004	3.514	ug/L
	Sb	123	488.308	0.002	0.098446	0.006	6.155	ug/L
	Tl	203	34.334	-0.000	-0.000589	0.001	230.633	ug/L
	Tl	205	86.001	0.000	0.000070	0.001	1342.846	ug/L
	Pb	208	5361.837	0.015	0.209923	0.006	2.632	ug/L
>	Bi	209	325523.817	325523.817				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.286
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.471
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.004
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.138

: 00656

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.222

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	350884.804	350884.804		ug/L
	Be	9	2.000	0.000	0.001768	ug/L
	V	51	10883.249	0.035	1.114178	ug/L
	Cu	63	1984.288	0.007	0.464068	ug/L
	Cu	65	932.070	0.003	0.455878	ug/L
	Zn	66	2000.300	0.008	1.852434	ug/L
	Zn	68	1898.218	0.008	1.950173	ug/L
>	Ge	72	244583.391	244583.391		ug/L
	As	75	1562.101	0.008	1.173354	ug/L
	Se	77	152.003	0.000	0.271888	ug/L
	Se	82	-17.301	0.000	0.309878	ug/L
>	Rh	103	300981.813	300981.813		ug/L
	Ag	107	65.001	0.000	0.008540	ug/L
	Cd	111	8.253	0.000	0.004188	ug/L
	Cd	114	25.894	0.000	0.004130	ug/L
>	In	115	242908.565	242908.565		ug/L
	Sb	121	877.038	0.003	0.101989	ug/L
	Sb	123	475.266	0.002	0.063818	ug/L
	Tl	203	28.000	0.000	-0.001566	ug/L
	Tl	205	86.001	0.000	0.000024	ug/L
	Pb	208	5349.821	0.014	0.204988	ug/L
>	Bi	209	331733.729	331733.729		ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	342382.143	342382.143		ug/L
	Be	9	3.000	0.000	0.006852	ug/L
	V	51	10949.832	0.034	1.094348	ug/L
	Cu	63	1948.286	0.007	0.454533	ug/L
	Cu	65	920.068	0.003	0.444561	ug/L
	Zn	66	2083.319	0.008	1.894631	ug/L
	Zn	68	1858.208	0.008	1.878149	ug/L
>	Ge	72	247000.480	247000.480		ug/L
	As	75	1631.779	0.008	1.222988	ug/L
	Se	77	134.003	0.000	0.071833	ug/L
	Se	82	4.731	0.000	0.473104	ug/L
>	Rh	103	295582.781	295582.781		ug/L
	Ag	107	53.001	0.000	0.005084	ug/L
	Cd	111	2.582	0.000	0.001048	ug/L
	Cd	114	12.511	0.000	0.000973	ug/L
>	In	115	236108.388	236108.388		ug/L
	Sb	121	701.041	0.003	0.109318	ug/L
	Sb	123	513.394	0.002	0.108304	ug/L
	Tl	203	30.000	0.000	0.001174	ug/L
	Tl	205	102.002	0.000	0.001056	ug/L
	Pb	208	5300.814	0.015	0.208974	ug/L
>	Bi	209	323200.490	323200.490		ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	341898.713	341898.713		ug/L
	Be	9	1.000	-0.000	-0.002886	ug/L
	V	51	11304.063	0.036	1.160184	ug/L
	Cu	63	1958.288	0.007	0.464222	ug/L
	Cu	65	914.066	0.003	0.447886	ug/L
	Zn	66	2067.320	0.008	1.925375	ug/L
	Zn	68	1704.220	0.008	1.968914	ug/L
>	Ge	72	243758.638	243758.638		ug/L
	As	75	1408.023	0.008	1.065807	ug/L
	Se	77	140.003	0.000	0.152244	ug/L
	Se	82	47.380	0.000	0.065610	ug/L
>	Rh	103	299092.456	299092.456		ug/L
	Ag	107	50.001	0.000	0.004802	ug/L
	Cd	111	2.318	0.000	0.000882	ug/L
	Cd	114	13.102	0.000	0.001080	ug/L
>	In	115	237886.808	237886.808		ug/L
	Sb	121	680.039	0.003	0.104854	ug/L
	Sb	123	478.266	0.002	0.088217	ug/L
	Tl	203	45.001	0.000	0.000984	ug/L
	Tl	205	70.001	-0.000	-0.000820	ug/L
	Pb	208	5434.878	0.015	0.215868	ug/L
>	Bi	209	321637.231	321637.231		ug/L

: 00657

Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Tuesday, February 23, 2010 00:42:24
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.131
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	340707.617	340707.617				ug/L
⌊	Be	9	7986.542	0.023	37.482626	0.380	1.013	ug/L
⌈	V	51	286716.954	1.173	37.794609	0.133	0.351	ug/L
|	Cu	63	152477.853	0.629	39.542762	0.565	1.428	ug/L
|	Cu	65	72160.731	0.298	39.101675	0.301	0.769	ug/L
|	Zn	66	39033.424	0.161	38.718185	0.601	1.553	ug/L
|	Zn	68	28320.652	0.116	38.339984	0.545	1.420	ug/L
|>	Ge	72	242221.332	242221.332				ug/L
|	As	75	49707.000	0.205	39.068620	0.351	0.899	ug/L
|	Se	77	3842.072	0.015	38.866557	0.951	2.448	ug/L
⌊	Se	82	4925.003	0.021	37.339228	0.958	2.567	ug/L
⌈>	Rh	103	293808.184	293808.184				ug/L
|	Ag	107	283173.279	0.964	38.295525	0.292	0.764	ug/L
|	Cd	111	64548.919	0.220	36.901614	0.156	0.422	ug/L
⌊	Cd	114	153503.994	0.522	37.776760	0.512	1.356	ug/L
⌈>	In	115	237694.516	237694.516				ug/L
|	Sb	121	212406.270	0.893	36.081917	0.809	2.242	ug/L
⌊	Sb	123	162985.433	0.685	36.141770	0.852	2.357	ug/L
⌈	Tl	203	269406.583	0.841	38.210363	0.301	0.789	ug/L
|	Tl	205	644003.479	2.012	38.504317	0.634	1.646	ug/L
|	Pb	208	863426.118	2.696	38.130752	0.364	0.955	ug/L
⌊>	Bi	209	320120.115	320120.115				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.107
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.309
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.414
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.616

: 00658

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

96.591

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343081.948	343081.948		ug/L
Be	9	7949.501	0.023	37.047922	ug/L
V	51	286662.808	1.177	37.887780	ug/L
Cu	63	153418.621	0.838	39.910184	ug/L
Cu	65	71637.152	0.298	38.936433	ug/L
Zn	66	39384.730	0.163	39.188813	ug/L
Zn	68	28281.199	0.116	38.419389	ug/L
Ge	72	241459.736	241459.736		ug/L
As	75	49944.170	0.207	39.377745	ug/L
Se	77	3905.108	0.016	39.680438	ug/L
Se	82	4863.338	0.020	38.988186	ug/L
Rh	103	297634.384	297634.384		ug/L
Ag	107	286187.604	0.958	38.089372	ug/L
Cd	111	65311.923	0.219	36.858436	ug/L
Cd	114	153211.338	0.515	37.215449	ug/L
In	115	238018.753	238018.753		ug/L
Sb	121	206433.346	0.870	35.146108	ug/L
Sb	123	157880.867	0.668	35.261498	ug/L
Tl	203	270808.384	0.846	38.383787	ug/L
Tl	205	652428.070	2.038	39.010183	ug/L
Pb	208	871863.508	2.722	38.499434	ug/L
Bi	209	320086.860	320086.860		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339428.984	339428.984		ug/L
Be	9	7983.549	0.024	37.850634	ug/L
V	51	287720.257	1.169	37.644716	ug/L
Cu	63	151088.931	0.819	38.892534	ug/L
Cu	65	72358.354	0.296	38.916826	ug/L
Zn	66	38843.677	0.158	38.043800	ug/L
Zn	68	28106.488	0.114	37.760131	ug/L
Ge	72	244024.758	244024.758		ug/L
As	75	49580.097	0.202	38.668878	ug/L
Se	77	3788.032	0.015	37.807870	ug/L
Se	82	4863.353	0.020	38.805086	ug/L
Rh	103	294512.897	294512.897		ug/L
Ag	107	283100.990	0.961	38.191378	ug/L
Cd	111	65005.418	0.221	37.074287	ug/L
Cd	114	154374.583	0.524	37.898482	ug/L
In	115	238282.428	238282.428		ug/L
Sb	121	215787.530	0.906	36.565633	ug/L
Sb	123	163843.564	0.687	36.201388	ug/L
Tl	203	268548.816	0.834	37.862322	ug/L
Tl	205	636811.580	1.974	37.793582	ug/L
Pb	208	868348.082	2.586	38.131799	ug/L
Bi	209	322028.184	322028.184		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339801.922	339801.922		ug/L
Be	9	8017.677	0.024	37.749321	ug/L
V	51	285637.801	1.175	37.841348	ug/L
Cu	63	152916.009	0.833	39.825588	ug/L
Cu	65	72488.687	0.300	39.448687	ug/L
Zn	66	39081.907	0.161	38.911842	ug/L
Zn	68	28566.299	0.117	38.840425	ug/L
Ge	72	241179.500	241179.500		ug/L
As	75	49588.733	0.205	39.141141	ug/L
Se	77	3852.077	0.015	39.141262	ug/L
Se	82	5048.317	0.021	38.423462	ug/L
Rh	103	289277.268	289277.268		ug/L
Ag	107	281231.243	0.972	38.625626	ug/L
Cd	111	63329.414	0.219	36.772121	ug/L
Cd	114	152926.082	0.529	36.219348	ug/L
In	115	238782.368	238782.368		ug/L
Sb	121	218017.933	0.904	36.531712	ug/L
Sb	123	167431.788	0.701	36.982247	ug/L
Tl	203	269061.549	0.848	38.384979	ug/L
Tl	205	643872.777	2.022	38.709208	ug/L
Pb	208	850268.798	2.670	37.771025	ug/L
Bi	209	318247.310	318247.310		ug/L

: 00659

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Tuesday, February 23, 2010 00:50:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.132
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	337434.279	337434.279				ug/L
⌊	Be	9	1.000	-0.000	-0.002644	0.005	177.921	ug/L
⌈	V	51	2240.794	-0.001	-0.034030	0.005	15.221	ug/L
|	Cu	63	180.004	0.000	0.006076	0.004	59.992	ug/L
|	Cu	65	93.335	0.000	0.006088	0.008	135.618	ug/L
|	Zn	66	141.003	0.000	0.022512	0.010	44.993	ug/L
|	Zn	68	296.342	0.000	0.062773	0.020	31.818	ug/L
|>	Ge	72	240974.828	240974.828				ug/L
|	As	75	-37.419	-0.000	-0.065420	0.015	23.554	ug/L
|	Se	77	136.336	0.000	0.130456	0.036	27.621	ug/L
⌊	Se	82	-39.044	0.000	0.144665	0.073	50.417	ug/L
⌈>	Rh	103	299094.058	299094.058				ug/L
|	Ag	107	64.334	0.000	0.006512	0.002	36.168	ug/L
|	Cd	111	5.785	0.000	0.002821	0.002	75.843	ug/L
⌊	Cd	114	4.470	-0.000	-0.001011	0.001	104.253	ug/L
⌈>	In	115	239704.660	239704.660				ug/L
|	Sb	121	584.030	0.002	0.087744	0.009	10.501	ug/L
⌊	Sb	123	465.309	0.002	0.092981	0.003	3.645	ug/L
⌈	Tl	203	32.334	-0.000	-0.000804	0.001	132.770	ug/L
|	Tl	205	82.001	-0.000	-0.000095	0.001	1000.168	ug/L
|	Pb	208	1498.076	0.003	0.042990	0.002	5.439	ug/L
⌊>	Bi	209	320571.882	320571.882				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.203
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.808
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.185
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.442

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

96.727

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	336460.480	336460.480		ug/L
Be	9	0.000	-0.000	-0.007382	ug/L
V	51	2258.512	-0.001	-0.028083	ug/L
Cu	63	190.004	0.000	0.008248	ug/L
Cu	65	102.002	0.000	0.011414	ug/L
Zn	66	137.003	0.000	0.020210	ug/L
Zn	68	306.010	0.000	0.079512	ug/L
Ge	72	238128.682	238129.682		ug/L
As	75	-21.869	0.000	-0.063348	ug/L
Se	77	132.003	0.000	0.101540	ug/L
Se	82	-38.474	0.000	0.148146	ug/L
Rh	103	297287.579	297287.579		ug/L
Ag	107	84.001	0.000	0.008187	ug/L
Cd	111	1.414	0.000	0.000379	ug/L
Cd	114	0.578	-0.000	-0.002228	ug/L
In	115	239966.648	239966.648		ug/L
Sb	121	628.034	0.002	0.085102	ug/L
Sb	123	461.788	0.002	0.092116	ug/L
Tl	203	24.000	-0.000	-0.002022	ug/L
Tl	205	61.001	-0.000	-0.000186	ug/L
Pb	208	1466.074	0.003	0.041029	ug/L
Bi	209	323880.644	323880.644		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	336863.669	336863.669		ug/L
Be	9	1.000	-0.000	-0.002618	ug/L
V	51	2220.854	0.001	-0.036372	ug/L
Cu	63	183.004	0.000	0.008887	ug/L
Cu	65	101.002	0.000	0.010271	ug/L
Zn	66	132.003	0.000	0.013733	ug/L
Zn	68	300.009	0.000	0.058144	ug/L
Ge	72	240882.134	240882.134		ug/L
As	75	58.273	-0.000	-0.062776	ug/L
Se	77	140.003	0.000	0.170823	ug/L
Se	82	29.309	0.000	0.217358	ug/L
Rh	103	301468.294	301468.294		ug/L
Ag	107	58.001	0.000	0.005604	ug/L
Cd	111	8.584	0.000	0.004368	ug/L
Cd	114	7.070	-0.000	0.000382	ug/L
In	115	242356.374	242356.374		ug/L
Sb	121	608.032	0.002	0.080723	ug/L
Sb	123	467.518	0.002	0.096718	ug/L
Tl	203	35.000	-0.000	-0.000383	ug/L
Tl	205	66.001	-0.000	-0.000691	ug/L
Pb	208	1536.080	0.003	0.045878	ug/L
Bi	209	316233.756	316233.756		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339988.688	339988.688		ug/L
Be	9	2.000	0.000	0.002046	ug/L
V	51	2243.018	-0.001	0.037626	ug/L
Cu	63	187.004	0.000	0.002094	ug/L
Cu	65	77.001	0.000	0.003423	ug/L
Zn	66	154.003	0.000	0.033594	ug/L
Zn	68	284.008	0.000	0.040863	ug/L
Ge	72	244112.688	244112.688		ug/L
As	75	-31.114	0.000	-0.060135	ug/L
Se	77	137.003	0.000	0.119004	ug/L
Se	82	49.349	0.000	0.071490	ug/L
Rh	103	298646.300	298646.300		ug/L
Ag	107	51.001	0.000	0.004747	ug/L
Cd	111	7.348	0.000	0.003719	ug/L
Cd	114	8.915	-0.000	-0.000413	ug/L
In	115	236782.757	236782.757		ug/L
Sb	121	516.024	0.002	0.077409	ug/L
Sb	123	448.641	0.002	0.093107	ug/L
Tl	203	38.000	-0.000	-0.000027	ug/L
Tl	205	99.002	0.000	0.000802	ug/L
Pb	208	1490.076	0.003	0.042383	ug/L
Bi	209	321821.249	321821.249		ug/L

: 00661

2/24

due 3-05
Calc: 0B24001

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence

Rb

Instrument #: 114
Date: 2-23-10
Analyst: DA

Data File: 0B23045
Calibration BLK/ICB/CCB: 1% HNO3 LOT#1109060
Internal Standard #: 0020464

All samples are run at a 5x dilution which is accounted for on the prep benchsheet

Autosampler Position:

1. BLK/ICB/CCB/9120094
2. ICV/SCV/CCV 40ug/L 0010901
3. STD2 0.2 ug/L 9120100
4. STD3 1.0 ug/L 9120099
5. STD4 10 ug/L 9120098
6. STD5 20 ug/L 9120097
7. STD6 50 ug/L 9120096
8. STD7 100 ug/L 9120095
9. STD1 0.04 ug/L 9120101
10. IFA1 0010903
11. IFB1 0010904

Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor	Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor
1/17	1002144-10			10X	35/51				
2/18					36/52				
3/19					37/53				
4/20					38/54				
5/21					39/55				
6/22					40/56				
7/23					41/57				
8/24					42/58				
9/25					43/59				
10/26					44/60				
11/27					45/61				
12/28					46/62				
13/29					47/63				
14/30					48/64				
15/31					49/65				
16/32					50/66				
17/33					51/67				
18/34					52/68				
19/35					53/69				
20/36					54/70				
21/37					55/71				
22/38					56/72				
23/39					57/73				
24/40					58/74				
25/41					59/75				
26/42					60/76				
27/43					61/77				
28/44					62/78				
29/45					63/79				
30/46					64/80				
31/47					65/81				
32/48					66/82				
33/49					67/83				
34/50					68/84				

Instrument Tuning Report

File Name: 23FEB2010_6020A_C.tun
File Path: C:\Elandata\Tuning

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
Li	7.016	7.076	1522	2025	0.851	
Co	58.933	58.927	14200	2005	0.839	
In	114.904	114.928	27858	2000	0.847	
Ba	137.905	137.979	33469	1990	0.860	
Ce	139.905	139.929	33946	1985	0.871	
Tl	204.975	204.977	49818	1980	0.848	

: 00663

Daily Performance Report

Sample ID: 0010896
Sample Date/Time: Tuesday, February 23, 2010 14:41:21
Sample Description:
Method File: C:\elandata\Method\6020A_Daily.mth
Dataset File: C:\elandata\Dataset\daily performance\0010896.2579
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac
Dual Detector Mode: Dual
Acq. Dead Time(ns): 70
Current Dead Time (ns): 70
Number of Replicates: 6

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Li	7.0	4709.9	4709.886	58.402	1.2
	Co	58.9	89834.2	89834.191	4127.659	4.6
	In	114.9	227460.3	227460.349	1799.428	0.8
	Tl	205.0	177762.4	177762.386	2807.854	1.6
⌈>	Ba	137.9	200536.3	200536.319	3431.511	1.7
⌊	Ba++	69.0	2347.6	0.012	0.000	3.0
⌈>	Ce	139.9	260606.1	260606.052	2919.890	1.1
⌊	CeO	155.9	6999.6	0.027	0.001	5.1
	Bkgd	220.0	6.8	6.833	2.401	35.1

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	4737.571	4737.571
Co	59	95798.131	95798.131
In	115	227803.878	227803.878
Tl	205	179432.772	179432.772
Ba	138	205738.547	205738.547
Ba++	69	2371.394	0.012
Ce	140	263379.925	263379.925
CeO	156	6990.419	0.027
Bkgd	220	6.000	6.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	4774.595	4774.595
Co	59	88172.874	88172.874
In	115	230154.738	230154.738
Tl	205	181150.317	181150.317
Ba	138	203016.116	203016.116
Ba++	69	2375.395	0.012
Ce	140	255005.104	255005.104
CeO	156	6540.994	0.026
Bkgd	220	10.000	10.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	4620.494	4620.494
Co	59	85441.985	85441.985
In	115	228342.622	228342.622
Tl	205	177756.636	177756.636
Ba	138	198794.657	198794.657
Ba++	69	2440.417	0.012
Ce	140	260719.959	260719.959
CeO	156	6725.164	0.026
Bkgd	220	6.000	6.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	4659.519	4659.519
Co	59	94006.562	94006.562
In	115	224769.122	224769.122

Tl	205	174630.938	174630.938
Ba	138	198438.378	198438.378
Ba++	69	2372.394	0.012
Ce	140	262003.673	262003.673
CeO	156	6861.294	0.026
Bkgd	220	3.000	3.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	4718.558	4718.558
Co	59	88747.930	88747.930
In	115	226979.435	226979.435
Tl	205	179399.963	179399.963
Ba	138	200943.938	200943.938
Ba++	69	2269.360	0.011
Ce	140	260658.787	260658.787
CeO	156	7616.058	0.029
Bkgd	220	8.000	8.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	4748.578	4748.578
Co	59	86837.665	86837.665
In	115	226712.299	226712.299
Tl	205	174203.693	174203.693
Ba	138	196286.276	196286.276
Ba++	69	2256.356	0.011
Ce	140	261868.862	261868.862
CeO	156	7263.691	0.028
Bkgd	220	8.000	8.000

Sample/Batch Report

User Name: Administrator
Computer Name: ELAN6000_22
Sample File: C:\Elandata\Sample\0B23045.sam
Report Date/Time: Tuesday, February 23, 2010 14:44:20

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
17	10X	1002144-10		Sample					

Sample Information

Sample ID: 0B23045-CAL1
Autosampler Position: 1
Sample Date/Time: Tuesday, February 23, 2010 14:45:17
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23045\0B23045-CAL1.001
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[	Pb	208	610.016					ug/L
[>	Bi	209	328401.573					ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[	Pb	207.977	
[>	Bi	208.980	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	626.017			ug/L
[>	Bi	209	333882.473			ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	608.016			ug/L
[>	Bi	209	324858.224			ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	594.016			ug/L
[>	Bi	209	326464.023			ug/L

: 00667

Sample Information

Sample ID: 0B23045-CAL2
Autosampler Position: 3
Sample Date/Time: Tuesday, February 23, 2010 14:47:49
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23045\0B23045-CAL2.002
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[	Pb	208	5588.916	0.014	0.200000	0.006	2.914	ug/L
[>	Bi	209	345434.500	345434.500				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[	Pb	207.977	
[>	Bi	208.980	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	5548.984	0.014	0.194988	ug/L
[>	Bi	209	350484.257	350484.257		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	5586.929	0.014	0.199802	ug/L
[>	Bi	209	347906.688	347906.688		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	5623.929	0.016	0.208400	ug/L
[>	Bi	209	337812.648	337812.648		ug/L

: 00668

Sample Information

Sample ID: 0B23045-CAL3
Autosampler Position: 4
Sample Date/Time: Tuesday, February 23, 2010 14:50:22
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23045\0B23045-CAL3.003
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	25760.510	0.074	1.001004	0.029	2.939	ug/L
⌊>	Bi	209	341653.594	341653.594				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	25688.947	0.073	0.987208	ug/L
⌊>	Bi	209	345879.709	345879.709		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	25112.467	0.072	0.973886	ug/L
⌊>	Bi	209	342116.784	342116.784		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	26182.116	0.076	1.032141	ug/L
⌊>	Bi	209	338984.280	338984.280		ug/L

: 00669

Sample Information

Sample ID: 0B23045-CAL4
Autosampler Position: 5
Sample Date/Time: Tuesday, February 23, 2010 14:52:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23045\0B23045-CAL4.004
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	260880.826	0.772	10.004922	0.344	3.438	ug/L
⌊>	Bi	209	337446.920	337446.920				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	257788.832	0.742	9.625252	ug/L
⌊>	Bi	209	346337.098	346337.098		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	263049.247	0.779	10.083719	ug/L
⌊>	Bi	209	337070.103	337070.103		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	261826.401	0.784	10.295798	ug/L
⌊>	Bi	209	328933.581	328933.581		ug/L

: 00670

Sample Information

Sample ID: 0B23045-CAL5
Autosampler Position: 6
Sample Date/Time: Tuesday, February 23, 2010 14:55:28
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23045\0B23045-CAL5.005
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[	Pb	208	491817.783	1.471	19.804375	0.394	1.989	ug/L
[>	Bi	209	334082.004	334082.004				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[	Pb	207.977	
[>	Bi	208.980	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	492263.171	1.440	19.308686	ug/L
[>	Bi	209	339249.782	339249.782		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	492763.278	1.473	19.833144	ug/L
[>	Bi	209	334170.487	334170.487		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	493426.866	1.499	20.183097	ug/L
[>	Bi	209	329825.763	329825.763		ug/L

: 00671

Sample Information

Sample ID: 0B23045-CAL6
Autosampler Position: 7
Sample Date/Time: Tuesday, February 23, 2010 14:57:59
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23045\0B23045-CAL6.006
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	1210475.082	3.655	49.868747	0.413	0.828	ug/L
⌊>	Bi	209	331017.820	331017.820				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	1214770.257	3.631	49.542495	ug/L
⌊>	Bi	209	334360.058	334360.058		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	1208052.992	3.646	49.730679	ug/L
⌊>	Bi	209	331254.222	331254.222		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	1208801.998	3.689	50.333188	ug/L
⌊>	Bi	209	327438.181	327438.181		ug/L

: 00672

Sample Information

Sample ID: 0B23045-CAL7
Autosampler Position: 8
Sample Date/Time: Tuesday, February 23, 2010 15:00:31
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23045\0B23045-CAL7.007
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	2410150.106	7.249	99.744375	1.014	1.017	ug/L
⌊>	Bi	209	332401.960	332401.960				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	2393002.488	7.171	98.670738	ug/L
⌊>	Bi	209	333815.417	333815.417		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	2414452.175	7.318	100.686808	ug/L
⌊>	Bi	209	329888.227	329888.227		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	2422986.684	7.258	99.875779	ug/L
⌊>	Bi	209	333722.238	333722.238		ug/L

: 00673

Quantitative Analysis Calibration Report

File Name:
File Path:
Calibration Type: External Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Pb	207.977	Linear Thru Zero	0.07	0.00	0.999977
Bi	208.980	Linear Thru Zero	0.00	0.00	0.000000

Method Equation

Analyte	Mass	Corrections
Pb	207.977	+1*Pb 206 +1*Pb 207

: 00674

Sample Information

Sample ID: 0B23045-SCV1
Autosampler Position: 2
Sample Date/Time: Tuesday, February 23, 2010 15:03:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23045\0B23045-SCV1.008
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[	Pb	208	941974.328	2.864	39.402778	0.144	0.365	ug/L
[>	Bi	209	328732.739	328732.739				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[	Pb	207.977	
[>	Bi	208.980	100.101

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	940986.881	2.853	39.257782	ug/L
[>	Bi	209	332423.730	332423.730		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	935986.194	2.864	39.404956	ug/L
[>	Bi	209	329811.544	329811.544		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	940890.828	2.874	39.545818	ug/L
[>	Bi	209	327162.943	327162.943		ug/L

: 00675

Sample Information

Sample ID: 0B23045-CCB
Autosampler Position: 1
Sample Date/Time: Tuesday, February 23, 2010 15:05:34
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23045\0B23045-CCB.009
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[	Pb	208	564.681	-0.000	-0.001786	0.001	47.048	ug/L
[>	Bi	209	326930.685	326930.685				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[	Pb	207.977	
[>	Bi	208.980	99.552

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	551.014	0.000	0.002432	ug/L
[>	Bi	209	327833.676	327833.676		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	578.016	-0.000	-0.000836	ug/L
[>	Bi	209	321698.827	321698.827		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	565.014	0.000	-0.002080	ug/L
[>	Bi	209	331281.561	331281.561		ug/L

Sample Information

Sample ID: 0B23045-CRL1
Autosampler Position: 4
Sample Date/Time: Tuesday, February 23, 2010 15:08:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23045\0B23045-CRL1.010
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	25188.887	0.074	1.024180	0.032	3.166	ug/L
⌊>	Bi	209	330317.076	330317.076				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	100.583

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	24800.139	0.072	0.991814	ug/L
⌊>	Bi	209	336830.170	336830.170		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	25327.846	0.077	1.056483	ug/L
⌊>	Bi	209	322081.602	322081.602		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	25338.876	0.074	1.024462	ug/L
⌊>	Bi	209	332038.487	332038.487		ug/L

Sample Information

Sample ID: 0B23045-IFA1
Autosampler Position: 10
Sample Date/Time: Tuesday, February 23, 2010 15:10:40
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23045\0B23045-IFA1.011
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	1003.037	0.001	0.015993	0.001	6.924	ug/L
⌊>	Bi	209	332153.312	332153.312				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	101.142

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	997.037	0.001	0.015352	ug/L
⌊>	Bi	209	335337.318	335337.318		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	1033.040	0.001	0.017272	ug/L
⌊>	Bi	209	331870.888	331870.888		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	978.035	0.001	0.015358	ug/L
⌊>	Bi	209	329251.731	329251.731		ug/L

Sample Information

Sample ID: 0B23045-IFB1
Autosampler Position: 11
Sample Date/Time: Tuesday, February 23, 2010 15:13:14
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23045\0B23045-IFB1.012
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[	Pb	208	478199.527	1.428	19.654990	0.138	0.700	ug/L
[>	Bi	209	334351.970	334351.970				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[	Pb	207.977	
[>	Bi	208.980	101.812

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	481146.703	1.421	19.545423	ug/L
[>	Bi	209	338274.075	338274.075		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	474580.432	1.440	19.808313	ug/L
[>	Bi	209	329204.633	329204.633		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	478891.446	1.425	19.610234	ug/L
[>	Bi	209	335677.202	335677.202		ug/L

: 00679

Sample Information

Sample ID: 0B23045-CCV
Autosampler Position: 2
Sample Date/Time: Tuesday, February 23, 2010 15:15:46
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23045\0B23045-CCV.013
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	970177.331	2.840	39.072092	0.415	1.063	ug/L
⌊>	Bi	209	341453.193	341453.193				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	103.974

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	966886.948	2.818	38.734979	ug/L
⌊>	Bi	209	343872.161	343872.161		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	969700.871	2.830	38.945408	ug/L
⌊>	Bi	209	342373.676	342373.676		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	972145.377	2.873	39.535862	ug/L
⌊>	Bi	209	338113.743	338113.743		ug/L

Sample Information

Sample ID: 0B23045-CCB
Autosampler Position: 1
Sample Date/Time: Tuesday, February 23, 2010 15:18:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23045\0B23045-CCB.014
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[	Pb	208	595.682	-0.000	-0.001136	0.001	81.681	ug/L
[>	Bi	209	335609.009	335609.009				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[	Pb	207.977	
[>	Bi	208.980	102.195

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	585.015	-0.000	-0.001643	ug/L
[>	Bi	209	336573.483	336573.483		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	581.015	0.000	0.001709	ug/L
[>	Bi	209	336076.493	336076.493		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	621.017	0.000	0.000086	ug/L
[>	Bi	209	335177.051	335177.051		ug/L

: 00681

Sample Information

Sample ID: 1002144-10
Autosampler Position: 17
Sample Date/Time: Tuesday, February 23, 2010 15:20:49
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23045\1002144-10.015
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	1596540.660	4.548	62.571818	1.798	2.873	ug/L
⌊>	Bi	209	351107.617	351107.617				ug/L

X2

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	106.914

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	1589837.352	4.397	60.498020	ug/L
⌊>	Bi	209	361471.103	361471.103		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	1598272.021	4.623	63.606867	ug/L
⌊>	Bi	209	345801.724	345801.724		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	1601412.608	4.623	63.812548	ug/L
⌊>	Bi	209	348250.023	348250.023		ug/L

: 00682

Sample Information

Sample ID: 0B23045-CCV
Autosampler Position: 2
Sample Date/Time: Tuesday, February 23, 2010 15:22:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23045\0B23045-CCV.016
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	957464.687	2.818	38.769088	0.425	1.096	ug/L
⌊>	Bi	209	339603.120	339603.120				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	103.411

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	961280.127	2.782	38.280788	ug/L
⌊>	Bi	209	341690.075	341690.075		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	951241.443	2.806	39.053398	ug/L
⌊>	Bi	209	336449.081	336449.081		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	959862.489	2.832	38.973078	ug/L
⌊>	Bi	209	338870.203	338870.203		ug/L

Sample Information

Sample ID: 0B23045-CCB
Autosampler Position: 1
Sample Date/Time: Tuesday, February 23, 2010 15:25:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23045\0B23045-CCB.017
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	643.018	0.000	0.000651	0.000	62.475	ug/L
⌊>	Bi	209	337598.494	337598.494				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	102.801

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	638.017	0.000	0.000184	ug/L
⌊>	Bi	209	341022.282	341022.282		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	649.018	0.000	0.000844	ug/L
⌊>	Bi	209	338233.208	338233.208		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	642.018	0.000	0.000928	ug/L
⌊>	Bi	209	333840.014	333840.014		ug/L

TriMatrix Laboratories, Inc.

SulTRAC

Project: Plainwell Mill

SDG: PM012510B

USEPA-7470A

SAMPLE ID SUMMARY

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510B

Client: SulTRAC

Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-SO-56394-CB-012510-129	1002144-01
S-SO-56394-CB-012510-133	1002144-02
S-SO-56394-CB-012510-137	1002144-03
S-SO-56394-CB-012510-144	1002144-04
S-SO-56394-DR-012510-1069	1002144-05
S-SO-56394-DR-012510-1059	1002144-06
S-SO-56394-CB-012510-143	1002144-07
S-SO-56394-DR-012510-1063	1002144-08
S-SO-56394-CB-012610-153	1002144-09
S-SO-56394-CB-012610-158	1002144-10
S-SO-56394-CB-012610-160	1002144-11
S-SO-56394-CB-012610-165	1002144-12
S-SO-56394-DR-012610-1078	1002144-13
S-SO-56394-DR-012610-1075	1002144-15
S-SO-56394-CB-012610-166	1002144-16
S-SO-56394-CB-012710-168	1002144-17
SD-SO-56394-CB-012710-168	1002144-18
S-SO-56394-CB-012710-177	1002144-19
S-SO-56394-CB-012710-180	1002144-20
S-SO-56394-CB-012710-182	1002144-21
S-SO-56394-CB-012710-183	1002144-22
S-SO-56394-CB-012810-189	1002144-23
SD-SO-56394-CB-012810-189	1002144-24
S-SO-56394-CB-012810-190	1002144-25

00686

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-012510-129

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 09:55
Solids: 0.00
Laboratory ID: 1002144-01

SDG: PM012510B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/16/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001347

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/17/10 13:10

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-012510-133

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 11:25
Solids: 0.00
Laboratory ID: 1002144-02

SDG: PM012510B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/16/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001347

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/17/10 13:15

00688

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-012510-137

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 12:55
Solids: 0.00
Laboratory ID: 1002144-03

SDG: PM012510B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/16/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001347

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/17/10 13:20

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-012510-144

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 15:50
Solids: 0.00
Laboratory ID: 1002144-04

SDG: PM012510B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/16/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001347

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/17/10 13:35

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-DR-012510-1069

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 14:40
Solids: 0.00
Laboratory ID: 1002144-05

SDG: PM012510B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/16/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001347

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/17/10 13:40

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-DR-012510-1059

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 09:25
Solids: 0.00
Laboratory ID: 1002144-06

SDG: PM012510B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/23/10 14:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001587

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/24/10 11:20

00692

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-012510-143

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 13:05
Solids: 0.00
Laboratory ID: 1002144-07

SDG: PM012510B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/16/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001347

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/17/10 13:45

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-DR-012510-1063

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 11:25
Solids: 0.00
Laboratory ID: 1002144-08

SDG: PM012510B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/23/10 14:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001587

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/24/10 11:35

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-012610-153

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 10:20
Solids: 0.00
Laboratory ID: 1002144-09

SDG: PM012510B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/23/10 14:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001587

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/24/10 11:40

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-012610-158

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 12:50
Solids: 0.00
Laboratory ID: 1002144-10

SDG: PM012510B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/16/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001347

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.0016	mg/L	1	0.00020	0.000061		02/17/10 13:50

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-012610-160

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 13:45
Solids: 0.00
Laboratory ID: 1002144-11

SDG: PM012510B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/23/10 14:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001587

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/24/10 11:45

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-012610-165

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 15:20
Solids: 0.00
Laboratory ID: 1002144-12

SDG: PM012510B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/23/10 14:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001587

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/24/10 11:50

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-DR-012610-1078

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 11:35
Solids: 0.00
Laboratory ID: 1002144-13

SDG: PM012510B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/23/10 14:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001587

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/24/10 11:55

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-DR-012610-1075

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 09:25
Solids: 0.00
Laboratory ID: 1002144-15

SDG: PM012510B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/23/10 14:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001588

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/24/10 12:15

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-012610-166

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 16:10
Solids: 0.00
Laboratory ID: 1002144-16

SDG: PM012510B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/16/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001347

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00030	mg/L	1	0.00020	0.000061		02/17/10 13:55

00701

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-012710-168

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 09:00
Solids: 0.00
Laboratory ID: 1002144-17

SDG: PM012510B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/16/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001347

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.000075	mg/L	1	0.00020	0.000061	J	02/17/10 14:00

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

SD-SO-56394-CB-012710-168

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 09:00
Solids: 0.00
Laboratory ID: 1002144-18

SDG: PM012510B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/16/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001347

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/17/10 14:05

00703

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-012710-177

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 11:35
Solids: 0.00
Laboratory ID: 1002144-19

SDG: PM012510B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/16/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001347

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00067	mg/L	1	0.00020	0.000061		02/17/10 14:10

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-012710-180

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 13:50
Solids: 0.00
Laboratory ID: 1002144-20

SDG: PM012510B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/16/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001347

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/17/10 14:38

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-012710-182

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 14:50
Solids: 0.00
Laboratory ID: 1002144-21

SDG: PM012510B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/16/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001347

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/17/10 14:53

00796

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-012710-183

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 15:20
Solids: 0.00
Laboratory ID: 1002144-22

SDG: PM012510B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/16/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001347

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/17/10 14:59

: 00707

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-012810-189

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/28/10 09:15
Solids: 0.00
Laboratory ID: 1002144-23

SDG: PM012510B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/16/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001347

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/17/10 15:04

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

SD-SO-56394-CB-012810-189

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/28/10 09:15
Solids: 0.00
Laboratory ID: 1002144-24

SDG: PM012510B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/16/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001347

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/17/10 15:09

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-012810-190

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/28/10 10:05
Solids: 0.00
Laboratory ID: 1002144-25

SDG: PM012510B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/16/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001347

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.000097	mg/L	1	0.00020	0.000061	J	02/17/10 15:14

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B17004

SDG: PM012510B
Project: Plainwell Mill
Instrument: 216
Calibration: 0B18009

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B17004-CAL1	f17wt-a3-001	02/17/10 07:40
Cal Standard	0B17004-CAL2	f17wt-a3-004	02/17/10 07:45
Cal Standard	0B17004-CAL3	f17wt-a3-007	02/17/10 07:50
Cal Standard	0B17004-CAL4	f17wt-a3-010	02/17/10 07:55
Cal Standard	0B17004-CAL5	f17wt-a3-013	02/17/10 08:00
Cal Standard	0B17004-CAL6	f17wt-a3-016	02/17/10 08:05
Secondary Cal Check	0B17004-SCV1	f17wt-a3-022	02/17/10 08:38
Calibration Check	0B17004-CCV1	f17wt-a3-022	02/17/10 08:38
Calibration Blank	0B17004-CCB1	f17wt-a3-025	02/17/10 08:43
MRL Check	0B17004-CRL1	f17wt-a3-028	02/17/10 08:48
Calibration Check	0B17004-CCV2	f17wt-a3-136	02/17/10 12:23
Calibration Blank	0B17004-CCB2	f17wt-a3-139	02/17/10 12:27
Blank	1001347-BLK1	f17wt-a3-154	02/17/10 12:55
LCS	1001347-BS1	f17wt-a3-160	02/17/10 13:05
S-SO-56394-CB-012510-129	1002144-01	f17wt-a3-163	02/17/10 13:10
S-SO-56394-CB-012510-133	1002144-02	f17wt-a3-166	02/17/10 13:15
S-SO-56394-CB-012510-137	1002144-03	f17wt-a3-169	02/17/10 13:20
Calibration Check	0B17004-CCV3	f17wt-a3-172	02/17/10 13:25
Calibration Blank	0B17004-CCB3	f17wt-a3-175	02/17/10 13:30
S-SO-56394-CB-012510-144	1002144-04	f17wt-a3-178	02/17/10 13:35
S-SO-56394-DR-012510-1069	1002144-05	f17wt-a3-181	02/17/10 13:40
S-SO-56394-CB-012510-143	1002144-07	f17wt-a3-184	02/17/10 13:45
S-SO-56394-CB-012610-158	1002144-10	f17wt-a3-187	02/17/10 13:50
S-SO-56394-CB-012610-166	1002144-16	f17wt-a3-190	02/17/10 13:55
S-SO-56394-CB-012710-168	1002144-17	f17wt-a3-193	02/17/10 14:00
SD-SO-56394-CB-012710-168	1002144-18	f17wt-a3-196	02/17/10 14:05
S-SO-56394-CB-012710-177	1002144-19	f17wt-a3-199	02/17/10 14:10
S-SO-56394-CB-012710-177	1001347-MS1	f17wt-a3-202	02/17/10 14:15
S-SO-56394-CB-012710-177	1001347-MSD1	f17wt-a3-205	02/17/10 14:21
Calibration Check	0B17004-CCV4	f17wt-a3-208	02/17/10 14:26
Calibration Blank	0B17004-CCB4	f17wt-a3-211	02/17/10 14:30
S-SO-56394-CB-012710-180	1002144-20	f17wt-a3-214	02/17/10 14:38

: 00711

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B17004

SDG: PM012510B
Project: Plainwell Mill
Instrument: 216
Calibration: 0B18009

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012710-180	1001347-MS2	f17wt-a3-217	02/17/10 14:43
S-SO-56394-CB-012710-180	1001347-MSD2	f17wt-a3-220	02/17/10 14:48
S-SO-56394-CB-012710-182	1002144-21	f17wt-a3-223	02/17/10 14:53
S-SO-56394-CB-012710-183	1002144-22	f17wt-a3-226	02/17/10 14:59
S-SO-56394-CB-012810-189	1002144-23	f17wt-a3-229	02/17/10 15:04
SD-SO-56394-CB-012810-189	1002144-24	f17wt-a3-232	02/17/10 15:09
S-SO-56394-CB-012810-190	1002144-25	f17wt-a3-235	02/17/10 15:14
Calibration Check	0B17004-CCV5	f17wt-a3-238	02/17/10 15:19
Calibration Blank	0B17004-CCB5	f17wt-a3-241	02/17/10 15:24

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B24046

SDG: PM012510B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B24012

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B24046-CAL1	f24wt-a2-001	02/24/10 07:22
Cal Standard	0B24046-CAL2	f24wt-a2-004	02/24/10 07:26
Cal Standard	0B24046-CAL3	f24wt-a2-007	02/24/10 07:31
Cal Standard	0B24046-CAL4	f24wt-a2-010	02/24/10 07:36
Cal Standard	0B24046-CAL5	f24wt-a2-013	02/24/10 07:41
Cal Standard	0B24046-CAL6	f24wt-a2-016	02/24/10 07:46
Secondary Cal Check	0B24046-SCV1	f24wt-a2-019	02/24/10 07:51
Calibration Check	0B24046-CCV1	f24wt-a2-019	02/24/10 07:51
Calibration Blank	0B24046-CCB1	f24wt-a2-022	02/24/10 07:56
MRL Check	0B24046-CRL1	f24wt-a2-025	02/24/10 08:01
Calibration Check	0B24046-CCV2	f24wt-a2-064	02/24/10 09:04
Calibration Blank	0B24046-CCB2	f24wt-a2-067	02/24/10 09:09
Blank	1001587-BLK1	f24wt-a2-076	02/24/10 09:46
LCS	1001587-BS1	f24wt-a2-082	02/24/10 09:56
Calibration Check	0B24046-CCV3	f24wt-a2-100	02/24/10 10:25
Calibration Blank	0B24046-CCB3	f24wt-a2-103	02/24/10 10:30
S-SO-56394-DR-012510-1059	1002144-06	f24wt-a2-133	02/24/10 11:20
Calibration Check	0B24046-CCV4	f24wt-a2-136	02/24/10 11:25
Calibration Blank	0B24046-CCB4	f24wt-a2-139	02/24/10 11:30
S-SO-56394-DR-012510-1063	1002144-08	f24wt-a2-142	02/24/10 11:35
S-SO-56394-CB-012610-153	1002144-09	f24wt-a2-145	02/24/10 11:40
S-SO-56394-CB-012610-160	1002144-11	f24wt-a2-148	02/24/10 11:45
S-SO-56394-CB-012610-165	1002144-12	f24wt-a2-151	02/24/10 11:50
S-SO-56394-DR-012610-1078	1002144-13	f24wt-a2-154	02/24/10 11:55
Blank	1001588-BLK1	f24wt-a2-157	02/24/10 12:00
LCS	1001588-BS1	f24wt-a2-163	02/24/10 12:10
S-SO-56394-DR-012610-1075	1002144-15	f24wt-a2-166	02/24/10 12:15
Calibration Check	0B24046-CCV5	f24wt-a2-172	02/24/10 12:25
Calibration Blank	0B24046-CCB5	f24wt-a2-175	02/24/10 12:30

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B17004
Instrument ID: 216
Control Limt: +/- 10.00%
Calibration: 0B18009

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B17004-CCV1	Mercury	3.00	2.92	97	ug/L	02/17/10 08:38
0B17004-CCV2	Mercury	2.00	1.93	97	ug/L	02/17/10 12:23
0B17004-CCV3	Mercury	2.00	2.00	100	ug/L	02/17/10 13:25
0B17004-CCV4	Mercury	2.00	1.93	96	ug/L	02/17/10 14:26
0B17004-CCV5	Mercury	2.00	1.94	97	ug/L	02/17/10 15:19

* Values outside of QC limits

00714

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B24046
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0B24012

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B24046-CCV1	Mercury	3.00	3.10	103	ug/L	02/24/10 07:51
0B24046-CCV2	Mercury	2.00	2.08	104	ug/L	02/24/10 09:04
0B24046-CCV3	Mercury	2.00	2.02	101	ug/L	02/24/10 10:25
0B24046-CCV4	Mercury	2.00	2.10	105	ug/L	02/24/10 11:25
0B24046-CCV5	Mercury	2.00	2.13	106	ug/L	02/24/10 12:25

* Values outside of QC limits

00715

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B17004
Instrument: 216
Laboratory ID: 0B17004-SCV1
Calibration: 0B18009

Analyte	Expected	Found	% R	QC Limit	Units
Mercury	3.00	2.92	97	90-110	ug/L

* Values outside of QC limits

00716

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B24046
Instrument: 114
Laboratory ID: 0B24046-SCV1
Calibration: 0B24012

Analyte	Expected	Found	% R	QC Limit	Units
Mercury	3.00	3.10	103	90-110	ug/L

* Values outside of QC limits

00717

CRDL STANDARD

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B17004

SDG: PM012510B

Project: Plainwell Mill

Instrument ID: 216

Calibration: 0B18009

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B17004-CRL1	Mercury	0.200	0.223	112	ug/L	50 - 150

* Values outside of QC limits

: 00718

CRDL STANDARD

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B24046

SDG: PM012510B

Project: Plainwell Mill

Instrument ID: 114

Calibration: 0B24012

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B24046-CRL1	Mercury	0.200	0.197	99	ug/L	50 - 150

* Values outside of QC limits

: 00719

BLANKS
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B17004

SDG: PM012510B
Project: Plainwell Mill
Instrument ID: 216
Calibration: 0B18009

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B17004-CCB1	Mercury	-0.0077	0.20	0.061	ug/L	U	02/17/10 08:43
0B17004-CCB2	Mercury	0.021	0.20	0.061	ug/L	U	02/17/10 12:27
0B17004-CCB3	Mercury	0.0014	0.20	0.061	ug/L	U	02/17/10 13:30
0B17004-CCB4	Mercury	0.039	0.20	0.061	ug/L	U	02/17/10 14:30
0B17004-CCB5	Mercury	0.0035	0.20	0.061	ug/L	U	02/17/10 15:24

* Values outside of QC limits

: 00720

BLANKS
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B24046
Instrument ID: 114
Calibration: 0B24012

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B24046-CCB1	Mercury	-0.00058	0.20	0.061	ug/L	U	02/24/10 07:56
0B24046-CCB2	Mercury	0.025	0.20	0.061	ug/L	U	02/24/10 09:09
0B24046-CCB3	Mercury	0.0085	0.20	0.061	ug/L	U	02/24/10 10:30
0B24046-CCB4	Mercury	0.017	0.20	0.061	ug/L	U	02/24/10 11:30
0B24046-CCB5	Mercury	0.038	0.20	0.061	ug/L	U	02/24/10 12:30

* Values outside of QC limits

: 00721

QC BATCH SUMMARY
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1001347
QC Batch Matrix: Soil
Preparation: 7470A SPLP Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1001347-BLK1	02/16/10 13:00	
LCS	1001347-BS1	02/16/10 13:00	
S-SO-56394-CB-012710-177	1001347-MS1	02/16/10 13:00	
S-SO-56394-CB-012710-180	1001347-MS2	02/16/10 13:00	
S-SO-56394-CB-012710-177	1001347-MSD1	02/16/10 13:00	
S-SO-56394-CB-012710-180	1001347-MSD2	02/16/10 13:00	
S-SO-56394-CB-012510-129	1002144-01	02/16/10 13:00	
S-SO-56394-CB-012510-133	1002144-02	02/16/10 13:00	
S-SO-56394-CB-012510-137	1002144-03	02/16/10 13:00	
S-SO-56394-CB-012510-144	1002144-04	02/16/10 13:00	
S-SO-56394-DR-012510-1069	1002144-05	02/16/10 13:00	
S-SO-56394-CB-012510-143	1002144-07	02/16/10 13:00	
S-SO-56394-CB-012610-158	1002144-10	02/16/10 13:00	
S-SO-56394-CB-012610-166	1002144-16	02/16/10 13:00	
S-SO-56394-CB-012710-168	1002144-17	02/16/10 13:00	
SD-SO-56394-CB-012710-168	1002144-18	02/16/10 13:00	
S-SO-56394-CB-012710-177	1002144-19	02/16/10 13:00	
S-SO-56394-CB-012710-180	1002144-20	02/16/10 13:00	
S-SO-56394-CB-012710-182	1002144-21	02/16/10 13:00	
S-SO-56394-CB-012710-183	1002144-22	02/16/10 13:00	
S-SO-56394-CB-012810-189	1002144-23	02/16/10 13:00	
SD-SO-56394-CB-012810-189	1002144-24	02/16/10 13:00	
S-SO-56394-CB-012810-190	1002144-25	02/16/10 13:00	

QC BATCH SUMMARY
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1001587
QC Batch Matrix: Soil
Preparation: 7470A SPLP Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1001587-BLK1	02/23/10 14:00	
LCS	1001587-BS1	02/23/10 14:00	
S-SO-56394-DR-012510-1059	1002144-06	02/23/10 14:00	
S-SO-56394-DR-012510-1063	1002144-08	02/23/10 14:00	
S-SO-56394-CB-012610-153	1002144-09	02/23/10 14:00	
S-SO-56394-CB-012610-160	1002144-11	02/23/10 14:00	
S-SO-56394-CB-012610-165	1002144-12	02/23/10 14:00	
S-SO-56394-DR-012610-1078	1002144-13	02/23/10 14:00	

: 00723

QC BATCH SUMMARY
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B

Client: SulTRAC
Project: Plainwell Mill

QC Batch: 1001588
QC Batch Matrix: Soil
Preparation: 7470A SPLP Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1001588-BLK1	02/23/10 14:00	
LCS	1001588-BS1	02/23/10 14:00	
S-SO-56394-DR-012610-1075	1002144-15	02/23/10 14:00	

00724

METHOD BLANK DATA SHEET
USEPA-7470A

Laboratory:	TriMatrix Laboratories, Inc.			SDG:	PM012510B
Client:	SulTRAC			Project:	Plainwell Mill
Matrix:	Soil	Laboratory ID:	1001347-BLK1	File ID:	f17wt-a3-154
Prepared:	02/16/10 13:00	Preparation:	7470A SPLP Digestion	Initial/Final:	30 mL / 30 mL
Analyzed:	02/17/10 12:55	Instrument:	216		
QC Batch:	1001347	Sequence:	0B17004	Calibration:	0B18009

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7439-97-6	Mercury, SPLP	0.000061	0.00020	0.00020	mg/L	U

METHOD BLANK DATA SHEET
USEPA-7470A

Laboratory:	TriMatrix Laboratories, Inc.			SDG:	PM012510B
Client:	SulTRAC			Project:	Plainwell Mill
Matrix:	Soil	Laboratory ID:	1001587-BLK1	File ID:	f24wt-a2-076
Prepared:	02/23/10 14:00	Preparation:	7470A SPLP Digestion	Initial/Final:	30 mL / 30 mL
Analyzed:	02/24/10 09:46	Instrument:	114		
QC Batch:	1001587	Sequence:	0B24046	Calibration:	0B24012

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7439-97-6	Mercury, SPLP	0.000061	0.00020	0.00020	mg/L	U

METHOD BLANK DATA SHEET
USEPA-7470A

Laboratory:	TriMatrix Laboratories, Inc.			SDG:	PM012510B
Client:	SulTRAC			Project:	Plainwell Mill
Matrix:	Soil	Laboratory ID:	1001588-BLK1	File ID:	f24wt-a2-157
Prepared:	02/23/10 14:00	Preparation:	7470A SPLP Digestion	Initial/Final:	30 mL / 30 mL
Analyzed:	02/24/10 12:00	Instrument:	114		
QC Batch:	1001588	Sequence:	0B24046	Calibration:	0B24012

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7439-97-6	Mercury, SPLP	0.000061	0.00020	0.00020	mg/L	U

00727

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-7470A

S-SO-56394-CB-012710-177

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510B

Project: Plainwell Mill

Preparation: 7470A SPLP Digestion

Initial/Final: 30 mL / 30 mL

Laboratory ID: 1001347-MS1

QC Batch: 1001347

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Mercury, SPLP	0.00200	0.000666	0.00271	102	80 - 120	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

: 00728

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-7470A

S-SO-56394-CB-012710-177

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510B

Project: Plainwell Mill

Preparation: 7470A SPLP Digestion

Initial/Final: 30 mL / 30 mL

Laboratory ID: 1001347-MSD1

QC Batch: 1001347

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Mercury, SPLP	0.00200	0.00276	105	2	20	80 - 120	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

00729

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-012710-180

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510B

Project: Plainwell Mill

Preparation: 7470A SPLP Digestion

Initial/Final: 30 mL / 30 mL

Laboratory ID: 1001347-MS2

QC Batch: 1001347

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Mercury, SPLP	0.00200	ND	0.00217	108	80 - 120	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

: 00730

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-7470A

S-SO-56394-CB-012710-180

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510B

Project: Plainwell Mill

Preparation: 7470A SPLP Digestion

Initial/Final: 30 mL / 30 mL

Laboratory ID: 1001347-MSD2

QC Batch: 1001347

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Mercury, SPLP	0.00200	0.00219	110	1	20	80 - 120	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

00731

LCS / LCS DUPLICATE RECOVERY

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

Laboratory ID: 1001347-BS1

SDG: PM012510B

Project: Plainwell Mill

Preparation: 7470A SPLP Digestion

Initial/Final: 30 mL / 30 mL

QC Batch: 1001347

Sequence: 0B17004

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Mercury, SPLP	0.00200	0.00215	108	80 - 120	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

: 00732

LCS / LCS DUPLICATE RECOVERY
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Preparation: 7470A SPLP Digestion
Initial/Final: 30 mL / 30 mL
Laboratory ID: 1001587-BS1
QC Batch: 1001587
Sequence: 0B24046

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Mercury, SPLP	0.00200	0.00260	130 *	80 - 120	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

: 00733

LCS / LCS DUPLICATE RECOVERY
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil

Laboratory ID: 1001588-BS1

SDG: PM012510B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Initial/Final: 30 mL / 30 mL
QC Batch: 1001588
Sequence: 0B24046

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Mercury, SPLP	0.00200	0.00209	104	80 - 120	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

00734

HOLDING TIME SUMMARY
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510B

Client: SulTRAC

Project: Plainwell Mill

Analyte: Mercury

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012510-129	01/25/10	01/28/10	02/15/10	02/16/10	1	NA	02/17/10	2	28	
S-SO-56394-CB-012510-133	01/25/10	01/28/10	02/15/10	02/16/10	1	NA	02/17/10	2	28	
S-SO-56394-CB-012510-137	01/25/10	01/28/10	02/15/10	02/16/10	1	NA	02/17/10	2	28	
S-SO-56394-CB-012510-144	01/25/10	01/28/10	02/15/10	02/16/10	1	NA	02/17/10	2	28	
S-SO-56394-DR-012510-1069	01/25/10	01/28/10	02/15/10	02/16/10	1	NA	02/17/10	2	28	
S-SO-56394-DR-012510-1059	01/25/10	01/28/10	02/15/10	02/23/10	8	NA	02/24/10	9	28	
S-SO-56394-CB-012510-143	01/25/10	01/28/10	02/15/10	02/16/10	1	NA	02/17/10	2	28	
S-SO-56394-DR-012510-1063	01/25/10	01/28/10	02/15/10	02/23/10	8	NA	02/24/10	9	28	
S-SO-56394-CB-012610-153	01/26/10	01/28/10	02/15/10	02/23/10	8	NA	02/24/10	9	28	
S-SO-56394-CB-012610-158	01/26/10	01/28/10	02/15/10	02/16/10	1	NA	02/17/10	2	28	
S-SO-56394-CB-012610-160	01/26/10	01/28/10	02/15/10	02/23/10	8	NA	02/24/10	9	28	
S-SO-56394-CB-012610-165	01/26/10	01/28/10	02/15/10	02/23/10	8	NA	02/24/10	9	28	
S-SO-56394-DR-012610-1078	01/26/10	01/28/10	02/15/10	02/23/10	8	NA	02/24/10	9	28	
S-SO-56394-DR-012610-1075	01/26/10	01/28/10	02/15/10	02/23/10	8	NA	02/24/10	9	28	
S-SO-56394-CB-012610-166	01/26/10	01/28/10	02/15/10	02/16/10	1	NA	02/17/10	2	28	
S-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/16/10	1	NA	02/17/10	2	28	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10	02/15/10	02/16/10	1	NA	02/17/10	2	28	
S-SO-56394-CB-012710-177	01/27/10	01/28/10	02/15/10	02/16/10	1	NA	02/17/10	2	28	
S-SO-56394-CB-012710-180	01/27/10	01/28/10	02/15/10	02/16/10	1	NA	02/17/10	2	28	
S-SO-56394-CB-012710-182	01/27/10	01/28/10	02/15/10	02/16/10	1	NA	02/17/10	2	28	
S-SO-56394-CB-012710-183	01/27/10	01/28/10	02/15/10	02/16/10	1	NA	02/17/10	2	28	
S-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/16/10	1	NA	02/17/10	2	28	

00735

HOLDING TIME SUMMARY
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510B

Client: SulTRAC

Project: Plainwell Mill

Analyte: Mercury

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
SD-SO-56394-CB-012810-189	01/28/10	01/28/10	02/15/10	02/16/10	1	NA	02/17/10	2	28	
S-SO-56394-CB-012810-190	01/28/10	01/28/10	02/15/10	02/16/10	1	NA	02/17/10	2	28	

00736

Metals, Soil, 7470A SPLP Digestion

13799

Batch comments:

MAS 02/16/10 1:00-3:00PM
INST#218@93.9C#222
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1001347-BLK1		Feb-16-10 13:00	MAS	30	30				
1001347-BS1		Feb-16-10 13:00	MAS	30	30		9100898	60	
1001347-MS1		Feb-16-10 13:00	MAS	30	30	1002144-19	9100898	60	
1001347-MS2		Feb-16-10 13:00	MAS	30	30	1002144-20	9100898	60	
1001347-MSD1		Feb-16-10 13:00	MAS	30	30	1002144-19	9100898	60	
1001347-MSD2		Feb-16-10 13:00	MAS	30	30	1002144-20	9100898	60	
1002144-01 *Hg SPLP 7470A*	A 01	Feb-16-10 13:00	MAS	30	30	SulTRAC			
1002144-02 *Hg SPLP 7470A*	A 01	Feb-16-10 13:00	MAS	30	30	SulTRAC			
1002144-03 *Hg SPLP 7470A*	A 01	Feb-16-10 13:00	MAS	30	30	SulTRAC			
1002144-04 *Hg SPLP 7470A*	A 01	Feb-16-10 13:00	MAS	30	30	SulTRAC			
1002144-05 *Hg SPLP 7470A*	A 01	Feb-16-10 13:00	MAS	30	30	SulTRAC			
1002144-07 *Hg SPLP 7470A*	A 01	Feb-16-10 13:00	MAS	30	30	SulTRAC			
1002144-10 *Hg SPLP 7470A*	A 01	Feb-16-10 13:00	MAS	30	30	SulTRAC			
1002144-16 *Hg SPLP 7470A*	A 01	Feb-16-10 13:00	MAS	30	30	SulTRAC			
1002144-17 *Hg SPLP 7470A*	A 01	Feb-16-10 13:00	MAS	30	30	SulTRAC			

Comments:

Analyst Initials:

Metals, Soil, 7470A SPLP Digestion

99738

Batch comments:

MAS 02/16/10 1:00-3:00PM
INST#218@93.9C#222
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client: Source ID	Client: Spike ID	Client: uL Spike	Comments
1002144-18 *Hg SPLP 7470A*	A 01	Feb-16-10 13:00	MAS	30	30	SulTRAC			
1002144-19 *Hg SPLP 7470A*	A 01	Feb-16-10 13:00	MAS	30	30	SulTRAC			
1002144-20 *Hg SPLP 7470A*	A 01	Feb-16-10 13:00	MAS	30	30	SulTRAC			
1002144-21 *Hg SPLP 7470A*	A 01	Feb-16-10 13:00	MAS	30	30	SulTRAC			
1002144-22 *Hg SPLP 7470A*	A 01	Feb-16-10 13:00	MAS	30	30	SulTRAC			
1002144-23 *Hg SPLP 7470A*	A 01	Feb-16-10 13:00	MAS	30	30	SulTRAC			
1002144-24 *Hg SPLP 7470A*	A 01	Feb-16-10 13:00	MAS	30	30	SulTRAC			
1002144-25 *Hg SPLP 7470A*	A 01	Feb-16-10 13:00	MAS	30	30	SulTRAC			

Comments:

Analyst Initials:

Metals, Soil, 7470A SPLP Digestion

000739

Batch comments:
MAS 02/23/10 2:00-4:00PM
INST#218@93.9C#222
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client: Source ID	Client: Spike ID	Client: uL Spike	Comments
1001587-BLK1		Feb-23-10 14:00	MAS	30	30				
1001587-BS1		Feb-23-10 14:00	MAS	30	30		9100898	60	
1002004-02	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002004-04	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002004-05	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002004-07	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002004-11	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002004-12	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002038-05	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002038-09	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002038-10	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002038-11	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002038-13	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									

Comments:

Analyst Initials:

Metals, Soil, 7470A SPLP Digestion

Batch comments:

MAS 02/23/10 2:00-4:00PM
INST#218@93.9C#222
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1002038-15 Hg SPLP 7470A	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
1002038-18 Hg SPLP 7470A	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
1002038-20 Hg SPLP 7470A	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
1002144-06 Hg SPLP 7470A	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
1002144-08 Hg SPLP 7470A	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
1002144-09 Hg SPLP 7470A	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
1002144-11 Hg SPLP 7470A	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
1002144-12 Hg SPLP 7470A	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
1002144-13 Hg SPLP 7470A	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			

Comments:

Analyst Initials:

Metals, Soil, 7470A SPLP Digestion

00741

Batch comments:

MAS 02/23/10 2:00-4:00PM
INST#218@93.9C#222
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	*Container*	*Prepared*	*By*	*Initial (mL)*	*Final (mL)*	*Client* Source ID	*Client* Spike ID	*Client* uL Spike	*Comments*
1001588-BLK1		Feb-23-10 14:00	MAS	30	30				
1001588-BS1		Feb-23-10 14:00	MAS	30	30		9100898	60	
1002144-15	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									

Comments:	Analyst Initials:

Due 2/17
2/22

2/18

TriMatrix Laboratories, Inc.

WW - [illegible]
TCLP - 0B17002 - app KW 2-17-11
SPLP - 0B17004 cal 0B18009

Metals Laboratory Instrument Run Sequence Hg Aqueous

Instrument #: 216
Date: 2/17/10
Analyst: JNF
SnCl #: 9120943

Data File: F17wt-A2
Calibration BLK/ICB/CCB: 0.5% HNO3 LOT#1109060
Std/SCV prep date/analyst: DSC 2/16/10

Standards/SCV prepped daily
Autosampler Position:

1. BLK/ICB/CCB/9020503
2. STD1/CRL/0.2 ug/L 9100899
3. STD2/0.5 ug/ L 9100900
4. STD3/1.0 ug/L 9100901
5. STD4/CCV/2.0 ug/L 9100902
6. STD5/5.0 ug/L 9100903
7. SCV/3.0 ug/L 9100904

	Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor	Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor
	11	1001380-BIK1				45	-04			
WW	12	LFB				46	-05			
	13	BS1				47	07			
	14	1001371-10				48	10			
	15	↓			50X	49	16			
	16				10X	50	17			
	17	1001277-BIK1				51	18			
	18	LFB				52	19			
	19	BS1				53	MS1			
WS1	20	1002131-01				54	MSD1			
	21	1002153-01				55	20			
	22	MS1				56	MS2			
	23	MSD1				57	MSD2			
	24	1002156-01				58	-21			
	25	1002172-01				59	22			
	26	-02				60	23			
	27	1001278-BIK1				61	24			
	28	LFB				62	25			
	29	BS1				63				
WW	30	1002126-01				64				
	31	1002127-01				65				
	32	1002129-01				66				
	33	MS1				67				
	34	MSD1				68				
	35	-02				69				
	36	1002130-01				70				
	37	1002168-01				71				
	38	1002170-01				72				
	39	1001347-BIK1				73				
SPLP	40	LFB				74				
	41	BS1				75				
	42	1002144-01				76				
	43	-02				77				
	44	03				78				

Calibration Report -

General Details

Measured By :

Calibration #: Default

Fit Type : Least Squares

Unit : µg/l

Slope : 58.883465

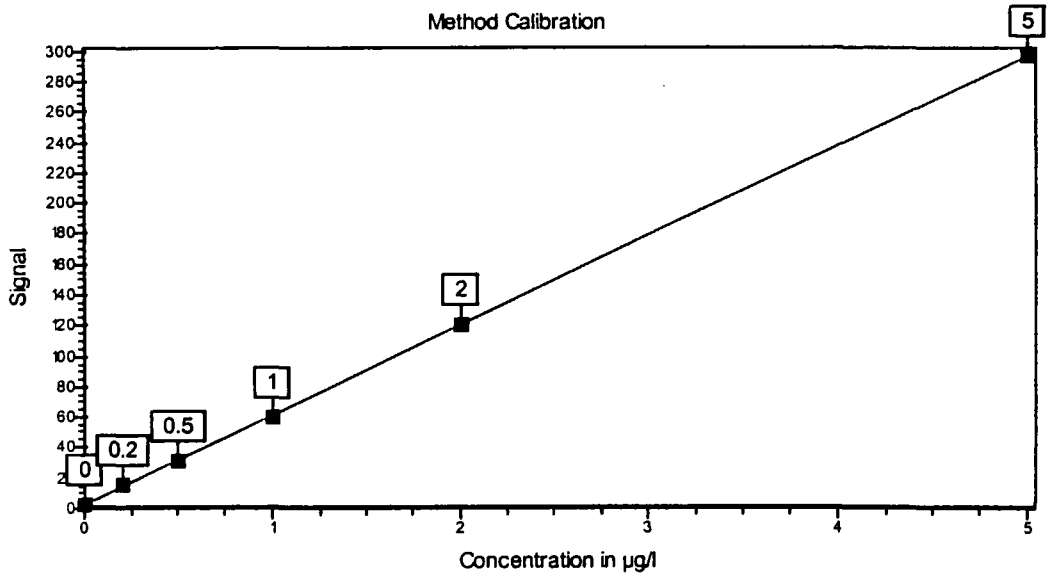
Y Intercept : 2.215916

Correlation Coefficient : 0.999961

Reslope %:

Definition of Standards

Include	*Pos*	*Runs*	*Conc*	*Pk Ht*	*Pk Area*	*Res %*	*Res Conc*	*Date/Time*
Yes	1	2	0.0	2.144500	13.724419	0.000000	-0.001213	17 Feb 2010 07:40
Yes	2	2	0.2	15.662691	227.362976	14.181248	0.028362	17 Feb 2010 07:45
Yes	3	2	0.5	31.133413	470.754425	-1.780585	-0.008903	17 Feb 2010 07:50
Yes	4	2	1.0	59.805721	888.562012	-2.196982	-0.021970	17 Feb 2010 07:55
Yes	5	2	2.0	119.940979	1904.321289	-0.035550	-0.000711	17 Feb 2010 08:00
Yes	6	2	5.0	296.894348	4709.687500	0.088686	0.004434	17 Feb 2010 08:05



Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f17wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
1	2	Cal	0.0		0.000	2.1445	13.7244	2.1065	1.4521	67.71	—	—		D	TriMatrix Mercury	17 Feb 2010 07:40
—	1/2	—	—	—	0.000	1.1177	-64.8219	1.2642	—	—	—	—			TriMatrix Mercury	17 Feb 2010 07:38
—	2/2	—	—	—	0.000	3.1713	92.2707	2.9488	—	—	—	—			TriMatrix Mercury	17 Feb 2010 07:40
2	2	Cal	0.2		0.200	15.6627	227.3630	-1.1157	3.9075	24.95	—	—		D	TriMatrix Mercury	17 Feb 2010 07:45
—	1/2	—	—	—	0.200	12.8997	201.5281	0.0065	—	—	—	—		D	TriMatrix Mercury	17 Feb 2010 07:43
—	2/2	—	—	—	0.200	18.4257	253.1978	-2.2380	—	—	—	—		D	TriMatrix Mercury	17 Feb 2010 07:45
3	2	Cal	0.5		0.500	31.1334	470.7544	0.0910	2.1653	6.96	—	—		D	TriMatrix Mercury	17 Feb 2010 07:50
—	1/2	—	—	—	0.500	32.6645	514.4088	0.6406	—	—	—	—		D	TriMatrix Mercury	17 Feb 2010 07:48
—	2/2	—	—	—	0.500	29.6023	427.1001	-0.4587	—	—	—	—		D	TriMatrix Mercury	17 Feb 2010 07:50
4	2	Cal	1.0		1.000	59.8057	888.5620	-0.3843	3.1705	5.30	—	—		D	TriMatrix Mercury	17 Feb 2010 07:55
—	1/2	—	—	—	1.000	57.5639	955.4955	1.0497	—	—	—	—		D	TriMatrix Mercury	17 Feb 2010 07:52
—	2/2	—	—	—	1.000	62.0475	821.6284	-1.8182	—	—	—	—		D	TriMatrix Mercury	17 Feb 2010 07:55
5	2	Cal	2.0		2.000	119.9410	1904.3213	-2.0637	4.0563	3.38	—	—		D	TriMatrix Mercury	17 Feb 2010 08:00
—	1/2	—	—	—	2.000	122.8093	1960.5935	-3.5895	—	—	—	—		D	TriMatrix Mercury	17 Feb 2010 07:57
—	2/2	—	—	—	2.000	117.0726	1848.0491	-0.5378	—	—	—	—		D	TriMatrix Mercury	17 Feb 2010 08:00
6	2	Cal	5.0		5.000	296.8943	4709.6875	-1.7662	1.1891	0.40	—	—		D	TriMatrix Mercury	17 Feb 2010 08:05
—	1/2	—	—	—	5.000	297.7356	4750.4995	-2.3887	—	—	—	—		D	TriMatrix Mercury	17 Feb 2010 08:02
—	2/2	—	—	—	5.000	296.0531	4668.8755	-1.1437	—	—	—	—		D	TriMatrix Mercury	17 Feb 2010 08:05
7	2	Sample	scv		2.765	165.0327	2742.3159	0.0302	0.0758	2.74	1.00	—		D	TriMatrix Mercury	17 Feb 2010 08:13
—	1/2	—	—	—	2.711	161.8784	2822.4150	0.8244	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 08:10
—	2/2	—	—	—	2.819	168.1869	2662.2166	-0.7641	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 08:13
7	2	Sample	scv		2.916	173.9123	2740.3127	-0.7396	0.1928	6.61	1.00	—		D	TriMatrix Mercury	17 Feb 2010 08:38
—	1/2	—	—	—	3.052	181.9377	2929.9624	0.9228	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 08:36
—	2/2	—	—	—	2.780	165.8868	2550.6631	-2.4020	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 08:38
1	2	Sample	ccb		-0.008	1.7618	-113.8462	-0.4878	0.0080	-104.33	1.00	—		D	TriMatrix Mercury	17 Feb 2010 08:43
—	1/2	—	—	—	-0.002	2.0968	-100.7218	-0.8371	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 08:41
—	2/2	—	—	—	-0.013	1.4267	-126.9705	-0.1385	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 08:43
2	2	Sample	crl		0.223	15.3545	108.8133	-2.2839	0.0498	22.33	1.00	—		D	TriMatrix Mercury	17 Feb 2010 08:48
—	1/2	—	—	—	0.258	17.4289	280.5076	-0.1447	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 08:46
—	2/2	—	—	—	0.188	13.2801	-62.8809	-4.4231	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 08:48
5	2	Sample	ccv		2.024	121.4212	1934.9182	-1.5336	0.0237	1.17	1.00	—		D	TriMatrix Mercury	17 Feb 2010 08:53
—	1/2	—	—	—	2.008	120.4374	1921.0348	-0.3680	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 08:50
—	2/2	—	—	—	2.041	122.4050	1948.8016	-2.6992	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 08:53

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f17wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
1	2	Sample	ccb		0.046	4.9091	12.0209	-0.3565	0.0646	141.15	1.00	—		D	TriMatrix Mercury	17 Feb 2010 08:58
—	1/2	—	—	—	0.091	7.5970	39.2070	0.0551	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 08:55
—	2/2	—	—	—	0.000	2.2212	-15.1652	-0.7681	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 08:58
11	2	Sample	1001380-blk1		0.027	3.8093	190.8512	3.2586	0.0524	193.66	1.00	—		D	TriMatrix Mercury	17 Feb 2010 09:05
—	1/2	—	—	—	-0.010	1.6274	51.1859	1.7059	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 09:03
—	2/2	—	—	—	0.064	5.9913	330.5164	4.8112	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 09:05
12	2	Sample	lfb		0.496	31.4008	406.8094	-1.0376	0.0180	3.63	1.00	—		D	TriMatrix Mercury	17 Feb 2010 09:10
—	1/2	—	—	—	0.508	32.1506	347.5888	-1.0484	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 09:08
—	2/2	—	—	—	0.483	30.6509	466.0301	-1.0267	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 09:10
13	2	Sample	1001380-bs1		2.205	132.0794	2099.4763	-0.3426	0.0551	2.50	1.00	—		D	TriMatrix Mercury	17 Feb 2010 09:15
—	1/2	—	—	—	2.244	134.3726	2063.2720	-1.7886	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 09:13
—	2/2	—	—	—	2.166	129.7861	2135.6804	1.1035	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 09:15
15	2	Sample	1001371-10 50x		0.437	27.9559	423.2095	-0.2595	0.0492	11.26	1.00	—		D	TriMatrix Mercury	17 Feb 2010 09:26
—	1/2	—	—	—	0.402	25.9058	372.1637	-0.5849	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 09:24
—	2/2	—	—	—	0.472	30.0061	474.2552	0.0658	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 09:26
16	2	Sample	1001371-10 10x		2.579	154.0783	2616.0100	0.0098	0.0151	0.59	1.00	—		D	TriMatrix Mercury	17 Feb 2010 09:41
—	1/2	—	—	—	2.590	154.7069	2781.8516	3.1568	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 09:38
—	2/2	—	—	—	2.568	153.4497	2450.1687	-3.1372	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 09:41
17	2	Sample	1001277-blk1		0.014	3.0159	-102.0515	-2.7629	0.0504	371.23	1.00	—		D	TriMatrix Mercury	17 Feb 2010 09:46
—	1/2	—	—	—	-0.022	0.9159	-101.6150	-0.6966	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 09:44
—	2/2	—	—	—	0.049	5.1160	-102.4880	-4.8292	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 09:48
18	2	Sample	lfb		0.538	33.9015	545.7080	0.2144	0.1037	19.27	1.00	—		D	TriMatrix Mercury	17 Feb 2010 09:51
—	1/2	—	—	—	0.611	38.2190	680.7193	-1.0530	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 09:49
—	2/2	—	—	—	0.465	29.5840	410.6967	1.4818	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 09:51
19	2	Sample	1001277-bs1		2.079	124.6151	2076.7830	-0.0649	0.0414	1.99	1.00	—		D	TriMatrix Mercury	17 Feb 2010 09:56
—	1/2	—	—	—	2.108	126.3374	2209.7742	1.2845	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 09:54
—	2/2	—	—	—	2.049	122.8928	1943.7915	-1.4142	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 09:56
20	2	Sample	1002131-01		-0.001	2.1378	-61.2193	-0.4066	0.0087	-657.87	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:01
—	1/2	—	—	—	-0.007	1.7743	-34.1881	0.1787	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 09:59
—	2/2	—	—	—	0.005	2.5013	-88.2506	-0.9919	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:01
5	2	Sample	ccv		1.981	118.8492	1922.0955	-0.0560	0.0163	0.82	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:06
—	1/2	—	—	—	1.992	119.5289	1908.1926	-0.7051	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:04
—	2/2	—	—	—	1.969	118.1695	1935.9983	0.5931	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:06

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f17wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
1	2	Sample	ccb		-0.007	1.7765	-137.9298	-1.4971	0.0031	-41.05	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:11
—	1/2	—	—	—	-0.005	1.9041	-159.0765	-1.5485	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:08
—	2/2	—	—	—	-0.010	1.6490	-116.7831	-1.4457	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:11
21	2	Sample	1002153-01		0.003	2.3656	-57.2205	0.2010	0.0208	819.79	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:26
—	1/2	—	—	—	0.017	3.2331	-43.5072	-0.9518	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:24
—	2/2	—	—	—	-0.012	1.4981	-70.9338	1.3538	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:26
22	2	Sample	1001277-ms1		2.143	128.3864	2073.6838	-2.5383	0.1036	4.84	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:31
—	1/2	—	—	—	2.216	132.7001	2174.9578	-4.8645	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:29
—	2/2	—	—	—	2.069	124.0728	1972.4097	-0.2081	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:31
23	2	Sample	1001277-msd1		1.980	118.8342	1831.0178	-1.9133	0.0179	0.90	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:36
—	1/2	—	—	—	1.993	119.5791	1891.0510	-2.1801	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:33
—	2/2	—	—	—	1.968	118.0892	1770.9847	-1.6465	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:36
24	2	Sample	1002156-01		0.053	5.3257	-15.9372	-2.5131	0.0308	58.39	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:41
—	1/2	—	—	—	0.031	4.0419	2.1022	-1.1564	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:38
—	2/2	—	—	—	0.075	6.6095	-33.9765	-3.8697	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:41
25	2	Sample	1002172-01		0.019	3.3134	157.2094	3.2461	0.0261	140.30	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:46
—	1/2	—	—	—	0.000	2.2247	0.4224	0.6216	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:43
—	2/2	—	—	—	0.037	4.4021	313.9964	5.8705	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:46
26	2	Sample	1002172-02		0.002	2.3596	48.1146	1.4021	0.0142	580.90	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:51
—	1/2	—	—	—	0.012	2.9499	82.5939	1.7199	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:48
—	2/2	—	—	—	-0.008	1.7694	13.6352	1.0844	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:51
27	2	Sample	1001278-blk1		0.031	4.0586	65.0279	1.8517	0.0192	61.45	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:55
—	1/2	—	—	—	0.045	4.8593	111.5588	3.9330	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:53
—	2/2	—	—	—	0.018	3.2579	18.4969	-0.2295	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:55
28	2	Sample	lfb		0.000	2.1969	-93.7328	0.3328	0.0037	-1157.20	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:00
—	1/2	—	—	—	-0.003	2.0413	-190.9902	-2.0413	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 10:58
—	2/2	—	—	—	0.002	2.3525	3.5246	2.7069	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:00
29	2	Sample	1001278-bs1		0.020	3.3806	2.9634	-0.8001	0.0385	194.51	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:05
—	1/2	—	—	—	0.047	4.9826	-36.8598	-3.1615	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:03
—	2/2	—	—	—	-0.007	1.7787	42.7867	1.5613	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:05
30	2	Sample	1002126-01		0.015	3.1226	36.8301	0.7345	0.0256	166.14	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:10
—	1/2	—	—	—	-0.003	2.0574	-45.5183	0.1490	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:08
—	2/2	—	—	—	0.033	4.1877	119.1785	1.3200	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:10

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f17wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
5	2	Sample	ccv		1.974	118.4567	1878.5765	0.4575	0.0423	2.14	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:23
—	1/2	—	—	—	1.944	116.6958	1798.9124	-1.3547	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:21
—	2/2	—	—	—	2.004	120.2176	1958.2406	2.2698	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:23
1	2	Sample	ccb		-0.009	1.7053	-75.5541	0.4153	0.0043	-49.26	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:28
—	1/2	—	—	—	-0.012	1.5275	-84.1177	1.0207	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:25
—	2/2	—	—	—	-0.006	1.8832	-66.9904	-0.1901	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:28
25	2	Sample	1002172-01		0.048	5.0832	124.4892	2.1151	0.0312	64.49	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:33
—	1/2	—	—	—	0.026	3.7649	33.3945	1.3059	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:30
—	2/2	—	—	—	0.070	6.3616	215.5839	2.9243	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:33
26	2	Sample	1002172-02		0.016	3.1438	42.9766	0.3593	0.0032	20.56	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:38
—	1/2	—	—	—	0.018	3.2787	-11.4600	-0.9194	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:35
—	2/2	—	—	—	0.013	3.0089	97.4132	1.6381	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:38
27	2	Sample	1001278-blk1		0.068	6.2122	205.7420	0.8215	0.0138	20.26	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:43
—	1/2	—	—	—	0.058	5.6396	328.9766	4.7534	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:40
—	2/2	—	—	—	0.078	6.7848	82.5074	-3.1105	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:43
28	2	Sample	lfb		0.603	37.7322	624.1005	1.1413	0.0515	8.53	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:48
—	1/2	—	—	—	0.567	35.5898	551.3316	0.7322	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:45
—	2/2	—	—	—	0.640	39.8746	696.8694	1.5505	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:48
29	2	Sample	1001278-bs1		2.201	131.8428	2038.8789	-1.0878	0.0341	1.55	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:53
—	1/2	—	—	—	2.226	133.2646	2087.6294	-1.0137	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:50
—	2/2	—	—	—	2.177	130.4211	1990.1285	-1.1619	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:53
30	2	Sample	1002126-01		0.037	4.4201	-36.8105	0.7595	0.0364	97.28	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:58
—	1/2	—	—	—	0.012	2.9038	-185.5615	2.4303	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:55
—	2/2	—	—	—	0.063	5.9364	111.9406	-0.9114	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 11:58
31	2	Sample	1002127-01		0.026	3.7551	-78.3575	-1.6384	0.0257	98.39	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:03
—	1/2	—	—	—	0.008	2.6842	-144.8963	-2.0312	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:00
—	2/2	—	—	—	0.044	4.8259	-11.8187	-1.2456	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:03
32	2	Sample	1002129-01		0.012	2.8932	26.4191	0.7995	0.0256	222.57	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:08
—	1/2	—	—	—	-0.007	1.8273	57.0560	1.0107	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:05
—	2/2	—	—	—	0.030	3.9591	-4.2179	0.5882	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:08
33	2	Sample	1001278-ms1		1.985	119.0781	1855.5938	-0.0446	0.0015	0.08	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:13
—	1/2	—	—	—	1.984	119.0176	1941.0891	0.8342	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:10
—	2/2	—	—	—	1.986	119.1385	1770.0983	-0.9235	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:13

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f17wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
34	2	Sample	1001278-msd1		2.014	120.8047	1853.7322	-1.3494	0.0732	3.63	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:18
—	1/2	—	—	—	2.066	123.8523	1974.3818	0.6058	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:15
—	2/2	—	—	—	1.962	117.7571	1733.0828	-3.3046	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:18
5	2	Sample	ccv		1.932	115.9620	1832.1530	0.2391	0.0674	3.49	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:23
—	1/2	—	—	—	1.884	113.1554	1740.8529	-1.3378	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:20
—	2/2	—	—	—	1.979	118.7687	1923.4530	1.8160	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:23
1	2	Sample	ccb		0.021	3.4727	65.1803	0.6780	0.0464	217.43	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:27
—	1/2	—	—	—	0.054	5.4050	221.2580	2.1144	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:25
—	2/2	—	—	—	-0.011	1.5404	-90.8974	-0.7585	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:27
35	2	Sample	1002129-02		0.022	3.5374	-47.4219	0.3316	0.0319	142.20	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:35
—	1/2	—	—	—	0.045	4.8661	43.8617	-1.1874	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:32
—	2/2	—	—	—	0.000	2.2086	-138.7054	1.8506	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:35
36	2	Sample	1002130-01		0.059	5.6894	70.8117	0.7121	0.0208	35.28	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:40
—	1/2	—	—	—	0.044	4.8228	-10.2951	-1.4417	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:37
—	2/2	—	—	—	0.074	6.5559	151.9186	2.8659	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:40
37	2	Sample	1002168-01		0.016	3.1872	-22.1512	0.0217	0.0038	23.20	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:45
—	1/2	—	—	—	0.014	3.0278	57.0437	0.4679	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:42
—	2/2	—	—	—	0.019	3.3465	-101.3462	-0.4244	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:45
38	2	Sample	1002170-01		0.070	6.3613	202.1696	1.3635	0.0578	82.06	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:50
—	1/2	—	—	—	0.030	3.9560	85.9786	0.6275	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:47
—	2/2	—	—	—	0.111	8.7665	318.3605	2.0995	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:50
39	2	Sample	1001347-blk1		0.037	4.3943	106.0838	1.6793	0.0202	54.67	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:55
—	1/2	—	—	—	0.023	3.5523	76.2725	1.1152	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:52
—	2/2	—	—	—	0.051	5.2364	135.8950	2.2433	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:55
40	2	Sample	lfb		0.558	35.0968	609.3819	0.5606	0.0224	4.02	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:00
—	1/2	—	—	—	0.543	34.1624	740.3294	2.5217	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 12:57
—	2/2	—	—	—	0.574	36.0313	478.4344	-1.4006	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:00
41	2	Sample	1001347-bs1		2.155	129.1035	1966.3834	-3.6313	0.0384	1.78	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:05
—	1/2	—	—	—	2.128	127.5048	2036.4363	-0.9154	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:02
—	2/2	—	—	—	2.182	130.7022	1896.3307	-6.3471	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:05
42	2	Sample	1002144-01		0.034	4.1972	64.2211	1.7510	0.0160	47.61	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:10
—	1/2	—	—	—	0.045	4.8643	-73.7130	0.1864	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:07
—	2/2	—	—	—	0.022	3.5302	202.1551	3.3157	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:10

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f17wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
43	2	Sample	1002144-02		0.035	4.2600	48.0828	0.4698	0.0166	47.82	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:15
—	1/2	—	—	—	0.046	4.9511	90.3209	1.2572	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:12
—	2/2	—	—	—	0.023	3.5689	5.8447	-0.3175	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:15
44	2	Sample	1002144-03		0.019	3.3428	-16.2986	-0.7862	0.0275	143.68	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:20
—	1/2	—	—	—	0.039	4.4877	0.6881	-0.7690	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:17
—	2/2	—	—	—	0.000	2.1980	-33.2854	-0.7635	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:20
5	2	Sample	ccv		1.997	119.8062	1928.5317	-2.4998	0.0784	3.93	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:25
—	1/2	—	—	—	2.052	123.0717	2005.3007	-4.8840	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:22
—	2/2	—	—	—	1.942	116.5407	1851.7628	-0.1155	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:25
1	2	Sample	ccb		0.001	2.2997	-50.0273	-0.2585	0.0205	1441.62	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:30
—	1/2	—	—	—	-0.013	1.4450	-148.3566	-1.4096	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:27
—	2/2	—	—	—	0.016	3.1545	48.3019	0.8927	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:30
45	2	Sample	1002144-04		0.042	4.6720	-14.9152	-0.7150	0.0240	57.51	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:35
—	1/2	—	—	—	0.025	3.6732	24.7661	0.8422	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:32
—	2/2	—	—	—	0.059	5.6708	-54.5966	-2.2723	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:35
46	2	Sample	1002144-05		0.008	2.6787	-45.1314	-0.1291	0.0226	287.29	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:40
—	1/2	—	—	—	-0.008	1.7385	-46.6093	1.0181	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:37
—	2/2	—	—	—	0.024	3.6189	-43.6536	-1.2762	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:40
47	2	Sample	1002144-07		0.002	2.3285	1.6279	0.5255	0.0167	870.60	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:45
—	1/2	—	—	—	0.014	3.0218	138.2119	2.5866	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:42
—	2/2	—	—	—	-0.010	1.6352	-134.9561	-1.5355	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:45
48	2	Sample	1002144-10		1.570	94.6537	1539.5098	-0.0541	0.0602	3.83	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:50
—	1/2	—	—	—	1.612	97.1590	1637.1113	0.1554	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:48
—	2/2	—	—	—	1.527	92.1483	1441.9083	-0.2636	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:50
49	2	Sample	1002144-16		0.302	20.0108	281.1972	-2.7019	0.0469	15.53	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:55
—	1/2	—	—	—	0.335	21.9650	200.5022	-5.4224	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:53
—	2/2	—	—	—	0.269	18.0565	321.8922	0.0186	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:55
50	2	Sample	1002144-17		0.075	6.6121	-44.6027	-3.2563	0.0727	97.41	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:00
—	1/2	—	—	—	0.126	9.6402	-31.4360	-6.1583	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 13:58
—	2/2	—	—	—	0.023	3.5839	-57.7694	-0.3542	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:00
51	2	Sample	1002144-18		0.041	4.6212	52.5285	1.0068	0.0257	62.84	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:05
—	1/2	—	—	—	0.059	5.6900	105.2153	0.6988	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:03
—	2/2	—	—	—	0.023	3.5525	-0.1582	1.3151	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:05

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f17wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
52	2	Sample	1002144-19		0.666	41.4127	596.6727	-0.6908	0.0261	3.92	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:10
—	1/2	—	—	—	0.647	40.3257	515.3516	-1.8352	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:08
—	2/2	—	—	—	0.684	42.4996	677.9938	0.4536	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:10
53	2	Sample	1001347-ms1		2.711	161.8604	2543.8628	-0.5063	0.0198	0.73	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:15
—	1/2	—	—	—	2.725	162.6837	2518.8628	-1.6015	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:13
—	2/2	—	—	—	2.697	161.0370	2568.8625	0.5888	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:15
54	2	Sample	1001347-msd1		2.762	164.8477	2462.4319	-3.6877	0.0673	2.44	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:21
—	1/2	—	—	—	2.809	167.6479	2508.5530	-5.5694	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:18
—	2/2	—	—	—	2.714	162.0474	2416.3108	-1.8061	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:21
5	2	Sample	ccv		1.927	115.6767	1791.9192	-0.9350	0.1251	6.50	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:26
—	1/2	—	—	—	1.838	110.4659	1623.3313	-1.0205	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:23
—	2/2	—	—	—	2.015	120.8875	1960.5071	-0.8495	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:26
1	2	Sample	ccb		0.039	4.5164	255.2126	4.8484	0.0662	169.33	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:30
—	1/2	—	—	—	0.086	7.2708	510.1615	7.9267	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:28
—	2/2	—	—	—	-0.008	1.7619	0.2638	1.7701	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:30
55	2	Sample	1002144-20		0.006	2.5564	-20.1992	-0.2114	0.0282	487.13	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:38
—	1/2	—	—	—	-0.014	1.3837	-25.1776	0.1840	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:36
—	2/2	—	—	—	0.026	3.7290	-15.2208	-0.6067	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:38
56	2	Sample	1001347-ms2		2.167	129.8131	2130.0542	-0.2357	0.0706	3.26	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:43
—	1/2	—	—	—	2.217	132.7510	2170.1414	0.5238	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:41
—	2/2	—	—	—	2.117	126.8753	2089.9673	-0.9952	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:43
57	2	Sample	1001347-msd2		2.193	131.3340	1963.5636	-4.8800	0.0943	4.30	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:48
—	1/2	—	—	—	2.259	135.2605	2000.8661	-7.5150	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:46
—	2/2	—	—	—	2.126	127.4075	1926.2611	-2.2451	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:48
58	2	Sample	1002144-21		0.019	3.3617	-30.8781	-0.2735	0.0506	260.04	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:53
—	1/2	—	—	—	0.055	5.4684	19.4711	-0.9804	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:51
—	2/2	—	—	—	-0.016	1.2549	-81.2274	0.4335	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:53
59	2	Sample	1002144-22		0.016	3.1454	12.8257	0.1182	0.0368	233.02	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:59
—	1/2	—	—	—	-0.010	1.6139	3.1202	1.1355	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:56
—	2/2	—	—	—	0.042	4.6769	22.5312	-0.8991	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 14:59
60	2	Sample	1002144-23		0.061	5.8143	5.5659	-2.8777	0.0704	115.23	1.00	—		D	TriMatrix Mercury	17 Feb 2010 15:04
—	1/2	—	—	—	0.011	2.8822	-12.7749	-0.5920	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 15:01
—	2/2	—	—	—	0.111	8.7463	23.9066	-5.1633	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 15:04

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f17wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
61	2	Sample	1002144-24		0.028	3.8880	62.5816	0.3916	0.0041	14.49	1.00	—		D	TriMatrix Mercury	17 Feb 2010 15:09
—	1/2	—	—	—	0.031	4.0593	-42.4367	-1.0574	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 15:08
—	2/2	—	—	—	0.025	3.7167	167.5999	1.8406	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 15:09
62	2	Sample	1002144-25		0.097	7.9064	178.1751	0.4036	0.0469	48.52	1.00	—		D	TriMatrix Mercury	17 Feb 2010 15:14
—	1/2	—	—	—	0.063	5.9541	69.4973	-0.3979	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 15:12
—	2/2	—	—	—	0.130	9.8587	286.8530	1.2052	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 15:14
5	2	Sample	ccv		1.944	116.6717	1781.4922	-2.4747	0.0117	0.60	1.00	—		D	TriMatrix Mercury	17 Feb 2010 15:19
—	1/2	—	—	—	1.952	117.1592	1800.0436	-3.5094	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 15:17
—	2/2	—	—	—	1.935	116.1842	1762.9408	-1.4399	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 15:19
1	2	Sample	ccb		0.004	2.4230	-51.9110	-0.6249	0.0110	311.94	1.00	—		D	TriMatrix Mercury	17 Feb 2010 15:24
—	1/2	—	—	—	0.011	2.8797	-16.2317	-0.5783	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 15:22
—	2/2	—	—	—	-0.004	1.9663	-87.5902	-0.6715	—	—	1.00	—		D	TriMatrix Mercury	17 Feb 2010 15:24

2/25 due 2/25

tclp 0B24045
sp'p 0B24046 cal ID:
wtr 0B24047 0B24012

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence Hg Aqueous

Instrument #: 216
Date: 2-24-10
Analyst: DSL
SnCl #: 9120943

Data File: F24wt92
Calibration BLK/ICB/CCB: 0.5% HNO3 LOT#1109060
Std/SCV prep date/analyst: DSL 2-23-10

Standards/SCV prepped daily
Autosampler Position:

1. BLK/ICB/CCB/9020503
2. STD1/CRL/0.2 ug/L 9100899
3. STD2/0.5 ug/ L 9100900
4. STD3/1.0 ug/L 9100901
5. STD4/CCV/2.0 ug/L 9100902
6. STD5/5.0 ug/L 9100903
7. SCV/3.0 ug/L 9100904

Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor	Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor
11	1001586-blk1				45	1002144-13			
12	lowbs				46	1001588-blk1			
13	bs1				47	lowbs			
14	1002246-01				48	bs1			
15	-04				49	1002144-15			
16	-05				50	1001589-blk1			
17	1002247-01				51	lowbs			
18	-02				52	bs1			
19	-03				53	1002241-01			
20	1002251-01				54	-02			
21	MS1				55	-03			
22	MSD1				56	-04			
23	1001587-blk1				57	-05			
24	lowbs				58	-06			
25	bs1				59	-07			
26	1002004-02				60	-08			
27	-04				61	-09			
28	-05				62	-10			
29	-07				63	-11			
30	-11				64	-12			
31	-12				65	-13			
32	1002038-05				66	-14			
33	-09				67	1002265-01			
34	-10				68	-02			
35	-11				69	-03			
36	-13				70	-04			
37	-15				71	MS1			
38	-18				72	MSD1			
39	-20				73	-05			
40	1002144-06				74	-06			
41	-08				75				
42	-09				76				
43	-11				77				
44	-12				78				

tclp wst

sp'p soil

sp'p soil

wtr

Calibration Report -

General Details

Measured By :

Calibration #: Default

Fit Type : Least Squares

Unit : µg/l

Slope : 59.617680

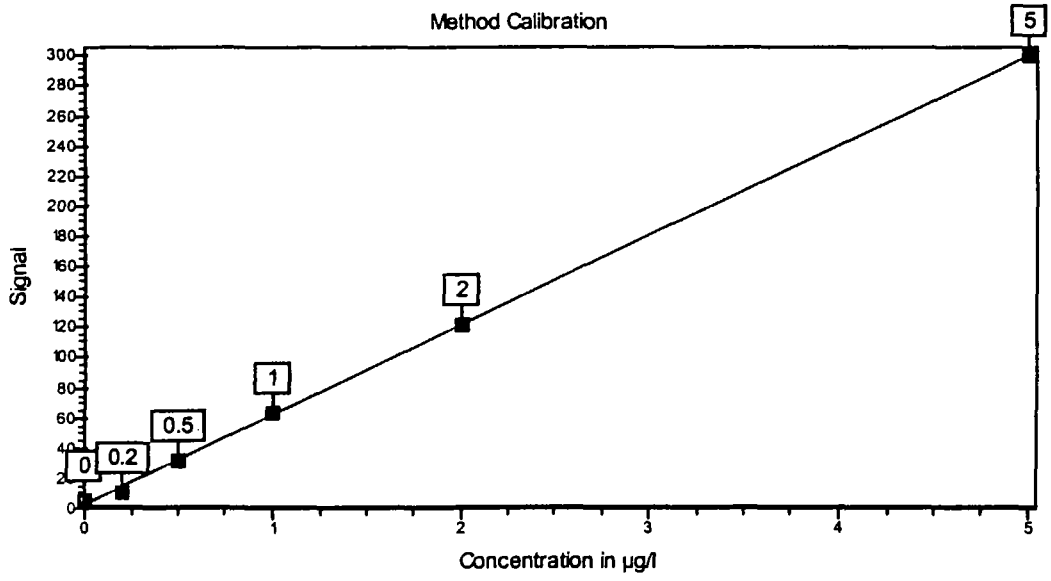
Y Intercept : 2.370774

Correlation Coefficient : 0.999850

Reslope %:

Definition of Standards

Include	*Pos*	*Runs*	*Conc*	*Pk Ht*	*Pk Area*	*Res %*	*Res Conc*	*Date/Time*
Yes	1	2	0.00	4.790260	203.348526	0.000000	0.040583	24 Feb 2010 07:22
Yes	2	2	0.20	10.970352	116.742065	-27.877283	-0.055755	24 Feb 2010 07:26
Yes	3	2	0.50	31.652922	486.605194	-1.766899	-0.008834	24 Feb 2010 07:31
Yes	4	2	1.00	63.053497	1118.731812	1.786456	0.017865	24 Feb 2010 07:36
Yes	5	2	2.00	122.261978	1934.834351	0.550042	0.011001	24 Feb 2010 07:41
Yes	6	2	5.00	300.169464	4911.672852	-0.097189	-0.004859	24 Feb 2010 07:46



Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f24wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
1	2	Cal	0.00		0.000	4.7903	203.3485	2.4343	1.7417	36.36	—	—		D	TriMatrix Mercury	24 Feb 2010 07:22
—	1/2	—	—	—	0.000	6.0218	242.1943	1.9134	—	—	—	—			TriMatrix Mercury	24 Feb 2010 07:19
—	2/2	—	—	—	0.000	3.5587	164.5027	2.9552	—	—	—	—			TriMatrix Mercury	24 Feb 2010 07:22
2	2	Cal	0.20		0.200	10.9704	116.7421	0.7180	2.8480	25.96	—	—		D	TriMatrix Mercury	24 Feb 2010 07:26
—	1/2	—	—	—	0.200	12.9842	141.1090	-0.0760	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:24
—	2/2	—	—	—	0.200	8.9565	92.3751	1.5121	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:26
3	2	Cal	0.50		0.500	31.6529	486.6052	-0.7889	2.7840	8.80	—	—		D	TriMatrix Mercury	24 Feb 2010 07:31
—	1/2	—	—	—	0.500	33.6215	622.6989	0.3504	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:29
—	2/2	—	—	—	0.500	29.6843	350.5115	-1.9282	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:31
4	2	Cal	1.00		1.000	63.0535	1118.7318	2.6886	1.9788	3.14	—	—		D	TriMatrix Mercury	24 Feb 2010 07:36
—	1/2	—	—	—	1.000	64.4526	1178.1458	3.3019	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:34
—	2/2	—	—	—	1.000	61.6544	1059.3180	2.0753	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:36
5	2	Cal	2.00		2.000	122.2620	1934.8344	0.2090	0.3505	0.29	—	—		D	TriMatrix Mercury	24 Feb 2010 07:41
—	1/2	—	—	—	2.000	122.5098	1939.4254	0.1250	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:38
—	2/2	—	—	—	2.000	122.0142	1930.2434	0.2930	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:41
6	2	Cal	5.00		5.000	300.1695	4911.6729	-1.1086	4.2674	1.42	—	—		D	TriMatrix Mercury	24 Feb 2010 07:46
—	1/2	—	—	—	5.000	297.1525	4691.4497	-2.4807	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:43
—	2/2	—	—	—	5.000	303.1864	5131.8955	0.2636	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:46
7	2	Sample	scv		3.103	187.3866	2946.9004	-0.3775	0.0193	0.62	1.00	—		D	TriMatrix Mercury	24 Feb 2010 07:51
—	1/2	—	—	—	3.117	188.2019	2928.6658	-0.5630	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 07:49
—	2/2	—	—	—	3.090	186.5714	2965.1348	-0.1919	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 07:51
1	2	Sample	ccb		-0.001	2.3362	-56.2785	-0.5613	0.0381	-6567.07	1.00	—		D	TriMatrix Mercury	24 Feb 2010 07:56
—	1/2	—	—	—	-0.028	0.7305	-71.4872	0.2258	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 07:54
—	2/2	—	—	—	0.026	3.9419	-41.0697	-1.3483	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 07:56
2	2	Sample	cri		0.197	14.1259	239.9289	1.0077	0.0109	5.51	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:01
—	1/2	—	—	—	0.189	13.6678	261.5014	1.4174	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 07:58
—	2/2	—	—	—	0.205	14.5840	218.3564	0.5981	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:01
5	2	Sample	ccv		2.139	129.8728	2081.3052	-2.2741	0.0968	4.53	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:06
—	1/2	—	—	—	2.070	125.7909	2060.8208	0.1100	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:03
—	2/2	—	—	—	2.207	133.9548	2101.7893	-4.6582	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:06
1	2	Sample	ccb		-0.014	1.5649	-125.2782	-1.1823	0.0085	-63.21	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:10
—	1/2	—	—	—	-0.007	1.9250	-138.3642	-1.2125	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:08
—	2/2	—	—	—	-0.020	1.2047	-112.1922	-1.1522	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:10

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f24wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
11	2	Sample	1001586-blk1		0.014	3.1883	-71.4856	-0.5375	0.0143	104.47	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:15
—	1/2	—	—	—	0.004	2.5844	-85.0007	-0.9147	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:13
—	2/2	—	—	—	0.024	3.7922	-57.9705	-0.1603	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:18
12	2	Sample	low bs		0.493	31.7491	528.0969	0.7741	0.0309	6.28	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:20
—	1/2	—	—	—	0.471	30.4448	484.3763	-0.6073	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:18
—	2/2	—	—	—	0.515	33.0534	571.8174	2.1554	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:20
13	2	Sample	1001586-bs1		2.153	130.7469	2037.2052	-2.7071	0.0236	1.10	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:25
—	1/2	—	—	—	2.137	129.7513	2025.8981	-2.1228	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:23
—	2/2	—	—	—	2.170	131.7424	2048.5125	-3.2915	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:25
14	2	Sample	1002246-01		0.289	19.6189	363.6899	0.6884	0.0914	31.61	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:30
—	1/2	—	—	—	0.225	15.7641	238.5337	0.3256	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:28
—	2/2	—	—	—	0.354	23.4737	488.8461	1.0512	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:30
15	2	Sample	1002246-04		0.039	4.6977	149.1355	2.6221	0.0468	119.94	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:35
—	1/2	—	—	—	0.072	6.6713	330.9247	5.6475	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:32
—	2/2	—	—	—	0.006	2.7242	-32.6537	-0.4033	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:35
16	2	Sample	1002246-05		0.085	7.4453	-11.7533	-5.1130	0.1049	123.24	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:40
—	1/2	—	—	—	0.159	11.8675	48.4768	-7.4212	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:37
—	2/2	—	—	—	0.011	3.0230	-71.9834	-2.8048	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:40
17	2	Sample	1002247-01		-0.017	1.3325	-83.9205	-0.2676	0.0139	-80.01	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:44
—	1/2	—	—	—	-0.027	0.7451	-69.2113	-0.6159	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:42
—	2/2	—	—	—	-0.008	1.9200	-98.6298	0.0806	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:44
18	2	Sample	1002247-02		0.041	4.7876	68.2252	-0.3672	0.0075	18.43	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:49
—	1/2	—	—	—	0.035	4.4727	146.7567	0.9418	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:47
—	2/2	—	—	—	0.046	5.1026	-10.3064	-1.6762	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:49
19	2	Sample	1002247-03		0.030	4.1854	13.1122	-0.9811	0.0016	5.34	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:54
—	1/2	—	—	—	0.032	4.2539	17.0299	0.1073	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:52
—	2/2	—	—	—	0.029	4.1168	9.1944	-2.0695	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:54
20	2	Sample	1002251-01		0.021	3.6446	25.0902	0.5772	0.0309	144.41	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:59
—	1/2	—	—	—	0.043	4.9453	58.9082	0.9140	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:57
—	2/2	—	—	—	0.000	2.3439	-8.7278	0.2405	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:59
5	2	Sample	ccv		2.079	126.2890	1954.8170	-3.0422	0.0350	1.68	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:04
—	1/2	—	—	—	2.103	127.7630	1952.2544	-6.9162	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:02
—	2/2	—	—	—	2.054	124.8150	1957.3795	0.8317	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:04

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f24wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
1	2	Sample	ccb		0.025	3.8783	-33.9493	-0.7082	0.0160	63.42	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:00
—	1/2	—	—	—	0.014	3.2022	61.9661	0.2804	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:07
—	2/2	—	—	—	0.037	4.5544	-129.8647	-1.6967	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:08
21	2	Sample	1001586-ms1		2.072	125.9197	2071.7727	0.4154	0.0520	2.51	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:36
—	1/2	—	—	—	2.109	128.1117	2160.5408	-0.1871	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:34
—	2/2	—	—	—	2.036	123.7277	1983.0045	1.0179	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:36
22	2	Sample	1001586-msd1		2.016	122.5364	1938.6262	-0.2602	0.0303	1.50	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:41
—	1/2	—	—	—	2.037	123.8142	2054.7195	2.0880	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:38
—	2/2	—	—	—	1.994	121.2586	1822.5328	-2.6084	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:41
23	2	Sample	1001587-blk1		-0.008	1.8860	-78.1533	0.5161	0.0215	-264.36	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:46
—	1/2	—	—	—	0.007	2.7922	-39.9139	1.0724	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:43
—	2/2	—	—	—	-0.023	0.9798	-116.3928	-0.0403	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:46
24	2	Sample	low bs		0.537	34.3889	610.5920	0.8056	0.0383	7.13	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:51
—	1/2	—	—	—	0.564	36.0030	709.9149	1.4779	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:48
—	2/2	—	—	—	0.510	32.7748	511.2692	0.1333	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:51
25	2	Sample	1001587-bs1		2.603	157.5657	2522.1248	-0.1463	0.0578	2.22	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:56
—	1/2	—	—	—	2.644	160.0033	2653.7324	0.5347	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:53
—	2/2	—	—	—	2.562	155.1281	2390.5168	-0.8273	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:56
26	2	Sample	1002004-02		0.016	3.3171	-77.9197	0.0717	0.0040	24.99	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:01
—	1/2	—	—	—	0.013	3.1499	-154.0128	-1.1860	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:58
—	2/2	—	—	—	0.019	3.4844	-1.8266	1.3293	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:01
27	2	Sample	1002004-04		0.021	3.6519	30.6380	0.0246	0.0069	32.29	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:05
—	1/2	—	—	—	0.017	3.3594	112.7449	2.4322	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:03
—	2/2	—	—	—	0.026	3.9444	-51.4689	-2.3829	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:05
28	2	Sample	1002004-05		-0.007	1.9335	44.0896	1.5618	0.0276	-376.39	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:10
—	1/2	—	—	—	-0.027	0.7697	-58.9971	0.7740	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:08
—	2/2	—	—	—	0.012	3.0973	147.1764	2.3496	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:10
29	2	Sample	1002004-07		-0.004	2.1095	-69.8295	-1.2412	0.0085	-195.06	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:15
—	1/2	—	—	—	0.002	2.4699	-143.9898	-2.4699	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:13
—	2/2	—	—	—	-0.010	1.7492	4.3308	-0.0126	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:15
30	2	Sample	1002004-11		0.009	2.9217	-75.4519	-0.1761	0.0154	166.21	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:20
—	1/2	—	—	—	-0.002	2.2742	-207.3023	-1.2332	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:18
—	2/2	—	—	—	0.020	3.5693	56.3985	0.8809	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:20

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f24wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
5	2	Sample	ccv		2.024	123.0360	2033.2252	-0.2422	0.1199	5.92	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:26
—	1/2	—	—	—	1.939	117.9835	1964.1786	-1.1051	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:28
—	2/2	—	—	—	2.109	128.0885	2102.2717	0.6207	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:2
1	2	Sample	ccb		0.009	2.8776	-23.0132	-0.2879	0.0108	127.13	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:30
—	1/2	—	—	—	0.016	3.3333	-36.7018	-0.0115	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:28
—	2/2	—	—	—	0.001	2.4220	-9.3246	-0.5643	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:30
31	2	Sample	1002004-12		0.005	2.6737	-66.5012	-0.1403	0.0270	531.39	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:35
—	1/2	—	—	—	0.024	3.8119	1.1681	1.0965	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:32
—	2/2	—	—	—	-0.014	1.5355	-134.1704	-1.3771	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:35
32	2	Sample	1002038-05		-0.008	1.8655	-42.6289	0.4054	0.0086	-100.97	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:40
—	1/2	—	—	—	-0.015	1.5047	-142.1436	-0.7557	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:37
—	2/2	—	—	—	-0.002	2.2263	56.8858	1.5666	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:40
33	2	Sample	1002038-09		0.050	5.3752	122.4902	1.2675	0.0185	36.62	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:45
—	1/2	—	—	—	0.063	6.1533	181.3583	1.6622	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:42
—	2/2	—	—	—	0.037	4.5972	63.6220	0.8728	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:45
34	2	Sample	1002038-10		0.052	5.4413	163.6052	1.4231	0.0120	23.31	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:50
—	1/2	—	—	—	0.060	5.9473	245.7499	3.1323	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:47
—	2/2	—	—	—	0.043	4.9353	81.4604	-0.2860	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:50
35	2	Sample	1002038-11		0.033	4.3106	-22.8306	-2.1690	0.0197	60.64	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:55
—	1/2	—	—	—	0.046	5.1424	-112.3703	-4.6453	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:52
—	2/2	—	—	—	0.019	3.4788	66.7091	0.3074	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:55
36	2	Sample	1002038-13		0.021	3.6337	-59.2657	-1.8103	0.0048	22.76	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:00
—	1/2	—	—	—	0.018	3.4304	24.0546	-0.0366	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:57
—	2/2	—	—	—	0.025	3.8370	-142.5860	-3.5840	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:00
37	2	Sample	1002038-15		0.003	2.5369	-27.2894	0.8493	0.0299	1074.13	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:05
—	1/2	—	—	—	0.024	3.7989	-90.9200	-0.5370	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:02
—	2/2	—	—	—	-0.018	1.2749	36.3412	2.2357	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:05
38	2	Sample	1002038-18		0.028	4.0478	103.9402	1.5236	0.0537	190.73	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:10
—	1/2	—	—	—	-0.010	1.7860	-26.2854	0.7037	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:07
—	2/2	—	—	—	0.066	6.3097	234.1658	2.3435	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:10
39	2	Sample	1002038-20		0.010	2.9677	-8.3705	0.6917	0.0305	304.67	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:15
—	1/2	—	—	—	0.032	4.2537	-69.4204	-1.1025	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:12
—	2/2	—	—	—	-0.012	1.6817	52.6794	2.4859	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:15

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f24wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
40	2	Sample	1002144-06		0.036	4.5468	36.0499	-0.7408	0.0307	84.01	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:20
—	1/2	—	—	—	0.015	3.2542	37.5325	-0.6165	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:17
—	2/2	—	—	—	0.058	5.8395	34.5673	-0.8651	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:20
5	2	Sample	ccv		2.095	127.2963	2178.5647	2.2307	0.0247	1.18	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:25
—	1/2	—	—	—	2.078	126.2540	2243.1355	3.2752	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:22
—	2/2	—	—	—	2.113	128.3386	2113.9939	1.1862	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:25
1	2	Sample	ccb		0.017	3.4012	-84.0269	-1.3599	0.0665	384.74	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:30
—	1/2	—	—	—	0.064	6.2045	-22.3744	-4.0806	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:27
—	2/2	—	—	—	-0.030	0.5979	-145.6795	1.3607	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:30
41	2	Sample	1002144-08		0.030	4.1517	61.1176	0.5806	0.0222	74.18	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:35
—	1/2	—	—	—	0.046	5.0859	148.2133	0.8501	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:32
—	2/2	—	—	—	0.014	3.2176	-25.9782	0.3112	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:35
42	2	Sample	1002144-09		0.037	4.5581	219.1639	3.5585	0.0473	128.90	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:40
—	1/2	—	—	—	0.003	2.5645	60.8121	2.0016	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:37
—	2/2	—	—	—	0.070	6.5517	377.5158	5.1155	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:40
43	2	Sample	1002144-11		0.038	4.6439	7.7893	-1.8995	0.0400	104.97	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:45
—	1/2	—	—	—	0.010	2.9566	8.1694	0.1230	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:42
—	2/2	—	—	—	0.066	6.3312	7.4091	-3.9219	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:45
44	2	Sample	1002144-12		-0.006	1.9931	-138.8969	-1.1353	0.0102	-160.95	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:50
—	1/2	—	—	—	-0.014	1.5632	-41.5903	0.1523	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:47
—	2/2	—	—	—	0.001	2.4230	-236.2035	-2.4230	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:50
45	2	Sample	1002144-13		0.042	4.9011	106.5118	1.8325	0.0052	12.18	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:55
—	1/2	—	—	—	0.046	5.1190	173.4751	2.6290	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:52
—	2/2	—	—	—	0.039	4.6832	39.5485	0.6361	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:55
46	2	Sample	1001588-blk1		0.020	3.5448	-51.7205	-0.6192	0.0382	193.83	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:00
—	1/2	—	—	—	-0.007	1.9357	-75.4082	-0.8600	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:57
—	2/2	—	—	—	0.047	5.1540	-28.0328	-0.3785	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:00
47	2	Sample	low bs		0.258	17.7464	281.1864	-0.7283	0.0232	8.99	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:05
—	1/2	—	—	—	0.274	18.7241	260.2099	-1.7194	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:02
—	2/2	—	—	—	0.242	16.7687	302.1629	0.2628	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:05
48	2	Sample	1001588-bs1		2.086	126.7188	1853.4427	1.9933	0.0226	1.09	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:10
—	1/2	—	—	—	2.070	125.7639	1782.3051	5.4578	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:07
—	2/2	—	—	—	2.102	127.6737	1924.5806	-1.4712	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:10

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f24wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
49	2	Sample	1002144-15		0.028	4.0163	-49.7726	-1.4622	0.0696	252.01	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:15
—	1/2	—	—	—	-0.022	1.0840	-117.9830	-0.1774	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:13
—	2/2	—	—	—	0.077	6.9486	18.4378	-2.7471	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:16
50	2	Sample	1001589-blk1		0.007	2.7993	-33.1173	0.3173	0.0460	640.00	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:20
—	1/2	—	—	—	-0.025	0.8600	-133.5597	0.1935	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:18
—	2/2	—	—	—	0.040	4.7386	67.3251	0.4411	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:20
5	2	Sample	ccv		2.127	129.1504	2094.5981	1.0037	0.0373	1.75	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:25
—	1/2	—	—	—	2.153	130.7240	2129.7886	1.6079	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:23
—	2/2	—	—	—	2.100	127.5769	2059.4077	0.3996	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:25
1	2	Sample	ccb		0.038	4.6617	-169.0377	-4.5176	0.0554	144.21	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:30
—	1/2	—	—	—	0.078	6.9977	-121.1008	-6.7095	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:27
—	2/2	—	—	—	-0.001	2.3256	-216.9748	-2.3256	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:30
51	2	Sample	low bs		0.504	32.4336	511.8835	-0.1553	0.0459	9.11	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:51
—	1/2	—	—	—	0.472	30.4970	439.7731	-1.0223	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:48
—	2/2	—	—	—	0.537	34.3701	583.9938	0.7118	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:51
52	2	Sample	1001589-bs1		2.148	130.4026	1993.4584	-1.7355	0.0234	1.09	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:56
—	1/2	—	—	—	2.164	131.3910	2101.4824	-1.9942	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:53
—	2/2	—	—	—	2.131	129.4143	1885.4344	-1.4768	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:56
53	2	Sample	1002241-01		0.032	4.3009	170.3019	2.6919	0.0271	83.81	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:01
—	1/2	—	—	—	0.052	5.4447	274.9802	4.2857	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:58
—	2/2	—	—	—	0.013	3.1570	65.6235	1.0982	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:01
54	2	Sample	1002241-02		0.052	5.4918	146.5327	0.1790	0.0009	1.69	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:06
—	1/2	—	—	—	0.053	5.5291	299.8955	3.9109	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:04
—	2/2	—	—	—	0.052	5.4544	-6.8302	-3.5530	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:06
55	2	Sample	1002241-03		-0.004	2.1326	-32.9730	-0.1890	0.0075	-188.01	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:11
—	1/2	—	—	—	0.001	2.4492	-79.9090	-0.3544	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:09
—	2/2	—	—	—	-0.009	1.8161	13.9630	-0.0236	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:11
56	2	Sample	1002241-04		0.050	5.3625	-20.4719	-2.4386	0.0177	35.32	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:16
—	1/2	—	—	—	0.063	6.1098	-119.3383	-6.0840	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:14
—	2/2	—	—	—	0.038	4.6153	78.3945	1.2067	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:16
57	2	Sample	1002241-05		0.017	3.4004	35.7133	0.4481	0.0292	168.95	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:21
—	1/2	—	—	—	-0.003	2.1703	-43.3919	0.4021	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:19
—	2/2	—	—	—	0.038	4.6304	114.8185	0.4901	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:21

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f24wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
58	2	Sample	1002241-06		0.022	3.6724	-28.0490	-1.2906	0.0252	115.49	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:26
—	1/2	—	—	—	0.004	2.6095	-55.7675	-0.7390	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:24
—	2/2	—	—	—	0.040	4.7353	-0.3305	-1.8421	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:28
59	2	Sample	1002241-07		-0.018	1.3054	-78.6012	-0.4639	0.0037	-20.45	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:31
—	1/2	—	—	—	-0.015	1.4594	-114.8300	-0.9905	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:29
—	2/2	—	—	—	-0.020	1.1513	-42.3725	0.0628	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:31
60	2	Sample	1002241-08		0.018	3.4441	-82.7345	-2.6698	0.0437	242.45	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:37
—	1/2	—	—	—	0.049	5.2843	-26.9462	-3.9926	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:34
—	2/2	—	—	—	-0.013	1.6040	-138.5228	-1.3469	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:37
5	2	Sample	ccv		1.872	113.9972	1227.5530	-11.3112	0.0843	4.50	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:45
—	1/2	—	—	—	1.813	110.4427	688.1531	-20.0117	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:43
—	2/2	—	—	—	1.932	117.5516	1766.9528	-2.6107	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:45
1	2	Sample	ccb		0.004	2.6232	9.9984	0.1435	0.0176	414.48	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:50
—	1/2	—	—	—	-0.008	1.8833	69.0919	0.7619	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:48
—	2/2	—	—	—	0.017	3.3632	-49.0952	-0.4750	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:50
61	2	Sample	1002241-09		0.001	2.4403	-72.5186	-0.4773	0.0183	1564.48	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:55
—	1/2	—	—	—	-0.012	1.6707	-2.4163	0.5011	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:53
—	2/2	—	—	—	0.014	3.2100	-142.6210	-1.4558	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:55
62	2	Sample	1002241-10		0.018	3.4141	93.0979	2.0902	0.0147	84.09	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:00
—	1/2	—	—	—	0.007	2.7937	27.5095	1.5209	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:58
—	2/2	—	—	—	0.028	4.0345	158.6863	2.6595	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:00
63	2	Sample	1002241-11		0.019	3.5144	2.7222	0.5777	0.0495	258.12	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:06
—	1/2	—	—	—	-0.016	1.4270	-133.6824	0.3226	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:03
—	2/2	—	—	—	0.054	5.6018	139.1269	0.8329	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:06
64	2	Sample	1002241-12		-0.003	2.2105	12.6705	0.9252	0.0150	-557.64	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:11
—	1/2	—	—	—	0.008	2.8426	22.8610	0.7329	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:08
—	2/2	—	—	—	-0.013	1.5783	2.4800	1.1176	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:11
65	2	Sample	1002241-13		0.000	2.3933	23.3034	0.9783	0.0175	4622.38	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:16
—	1/2	—	—	—	-0.012	1.6567	80.6328	4.3196	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:13
—	2/2	—	—	—	0.013	3.1299	-34.0259	-2.3630	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:16
66	2	Sample	1002241-14		0.014	3.1804	-33.7152	0.0906	0.0394	290.01	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:21
—	1/2	—	—	—	0.041	4.8408	-74.7873	-1.7119	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:18
—	2/2	—	—	—	-0.014	1.5201	7.3569	1.8931	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:21

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f24wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
67	2	Sample	1002265-01		0.007	2.7618	66.9859	2.0946	0.0288	438.95	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:26
—	1/2	—	—	—	0.027	3.9756	212.8950	3.1275	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:24
—	2/2	—	—	—	-0.014	1.5481	-78.9232	1.0617	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:28
68	2	Sample	1002265-02		0.067	6.3551	74.8634	-1.8008	0.0195	29.17	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:31
—	1/2	—	—	—	0.053	5.5333	101.5021	0.1164	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:29
—	2/2	—	—	—	0.081	7.1768	48.2247	-3.7179	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:31
69	2	Sample	1002265-03		0.026	3.9304	56.1281	0.6727	0.0248	94.89	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:37
—	1/2	—	—	—	0.044	4.9770	40.8488	0.2844	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:34
—	2/2	—	—	—	0.009	2.8839	71.4073	1.0609	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:37
70	2	Sample	1002265-04		0.015	3.2701	10.7847	0.8959	0.0302	200.49	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:42
—	1/2	—	—	—	0.036	4.5450	16.5322	1.4191	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:39
—	2/2	—	—	—	-0.006	1.9952	5.0372	0.3727	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:42
5	2	Sample	ccv		1.939	117.9704	1870.1300	0.6804	0.0246	1.27	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:47
—	1/2	—	—	—	1.956	119.0066	1878.0604	-0.8125	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:44
—	2/2	—	—	—	1.922	116.9341	1862.1996	2.1733	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:47
1	2	Sample	ccb		0.000	2.3871	-29.5055	0.8058	0.0298	10882.23	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:52
—	1/2	—	—	—	0.021	3.6441	61.4265	0.4744	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:49
—	2/2	—	—	—	-0.021	1.1301	-120.4375	1.1372	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:52
71	2	Sample	1001589-ms1		2.131	129.4089	1889.3834	-1.4804	0.0273	1.28	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:57
—	1/2	—	—	—	2.112	128.2571	1937.8174	-0.7552	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:54
—	2/2	—	—	—	2.150	130.5607	1840.9493	-2.2056	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:57
72	2	Sample	1001589-msd1		2.062	125.3189	1927.8970	-0.7056	0.0280	1.36	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:02
—	1/2	—	—	—	2.082	126.4997	1975.5284	-0.5983	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:59
—	2/2	—	—	—	2.042	124.1381	1880.2655	-0.8129	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:02
73	2	Sample	1002265-05		0.061	6.0137	150.8841	0.1872	0.1036	169.56	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:07
—	1/2	—	—	—	-0.012	1.6459	-47.2200	-0.2859	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:05
—	2/2	—	—	—	0.134	10.3815	348.9882	0.6603	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:07
74	2	Sample	1002265-06		-0.003	2.1699	-184.9605	-1.2331	0.0005	-14.36	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:12
—	1/2	—	—	—	-0.003	2.1903	-291.6844	-1.0162	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:10
—	2/2	—	—	—	-0.004	2.1495	-78.2366	-1.4500	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:12
75	2	Sample	1001587-bs1		2.574	155.8115	2295.2600	-2.9180	0.0995	3.86	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:18
—	1/2	—	—	—	2.644	160.0043	2345.6409	-5.4634	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:15
—	2/2	—	—	—	2.503	151.6187	2244.8792	-0.3727	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:18

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f24wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
5	2	Sample	ccv		1.903	115.8084	1851.6333	0.0059	0.0439	2.31	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:29
—	1/2	—	—	—	1.934	117.6582	1760.9413	-2.0286	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:29
—	2/2	—	—	—	1.872	113.9585	1942.3253	2.0404	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:29
1	2	Sample	ccb		0.033	4.3299	109.4777	1.1568	0.0268	81.49	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:28
—	1/2	—	—	—	0.052	5.4588	248.0560	3.2874	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:28
—	2/2	—	—	—	0.014	3.2009	-29.1006	-0.9738	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:28

TRIMATRIX LABORATORIES

SECTION - D

INORGANIC – WET CHEMISTRY

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.

5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

TriMatrix Laboratories, Inc.

SulTRAC

Project: Plainwell Mill

SDG: PM012510B

USEPA-9014

SAMPLE ID SUMMARY

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510B

Client: SulTRAC Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-SO-56394-CB-012510-129	1002017-01
S-SO-56394-CB-012510-133	1002017-02
S-SO-56394-CB-012610-158	1002017-03
S-SO-56394-CB-012610-160	1002017-04
S-SO-56394-DR-012610-1078	1002017-05
SD-SO-56394-DR-012610-1078	1002017-06
S-SO-56394-CB-012710-168	1002017-07
SD-SO-56394-CB-012710-168	1002017-08
S-SO-56394-CB-012710-177	1002017-09
S-SO-56394-CB-012710-180	1002017-10
S-SO-56394-CB-012710-182	1002017-11
S-SO-56394-CB-012810-189	1002017-12

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-012510-129

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 09:55
Solids: 0.00
Laboratory ID: 1002017-01

SDG: PM012510B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 02/03/10 07:00
Initial/Final: 50 g / 50 mL
QC Batch: 1000932

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.0050	mg/L	1	0.0050	0.0022	U	02/03/10 13:33

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-012510-133

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 11:25
Solids: 0.00
Laboratory ID: 1002017-02

SDG: PM012510B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 02/03/10 07:00
Initial/Final: 50 g / 50 mL
QC Batch: 1000932

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.0050	mg/L	1	0.0050	0.0022	U	02/03/10 13:34

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-012610-158

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 12:50
Solids: 0.00
Laboratory ID: 1002017-03

SDG: PM012510B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 02/03/10 07:00
Initial/Final: 50 g / 50 mL
QC Batch: 1000932

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.0050	mg/L	1	0.0050	0.0022	U	02/03/10 13:40

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-012610-160

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 13:45
Solids: 0.00
Laboratory ID: 1002017-04

SDG: PM012510B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 02/03/10 07:00
Initial/Final: 50 g / 50 mL
QC Batch: 1000932

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.0050	mg/L	1	0.0050	0.0022	U	02/03/10 13:40

: 00769

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-DR-012610-1078

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 11:35
Solids: 0.00
Laboratory ID: 1002017-05

SDG: PM012510B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 02/03/10 07:00
Initial/Final: 50 g / 50 mL
QC Batch: 1000932

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.0050	mg/L	1	0.0050	0.0022	U	02/03/10 13:40

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

SD-SO-56394-DR-012610-1078

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 11:35
Solids: 0.00
Laboratory ID: 1002017-06

SDG: PM012510B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 02/03/10 07:00
Initial/Final: 50 g / 50 mL
QC Batch: 1000932

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.0050	mg/L	1	0.0050	0.0022	U	02/03/10 13:40

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-012710-168

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 09:00
Solids: 0.00
Laboratory ID: 1002017-07

SDG: PM012510B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 02/03/10 07:00
Initial/Final: 50 g / 50 mL
QC Batch: 1000932

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.0050	mg/L	1	0.0050	0.0022	U	02/03/10 13:40

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

SD-SO-56394-CB-012710-168

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 09:00
Solids: 0.00
Laboratory ID: 1002017-08

SDG: PM012510B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 02/03/10 07:00
Initial/Final: 50 g / 50 mL
QC Batch: 1000932

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.0050	mg/L	1	0.0050	0.0022	U	02/03/10 13:40

00773

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-012710-177

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 11:35
Solids: 0.00
Laboratory ID: 1002017-09

SDG: PM012510B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 02/03/10 07:00
Initial/Final: 50 g / 50 mL
QC Batch: 1000932

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.010	mg/L	1	0.0050	0.0022		02/03/10 14:28

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-012710-180

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 13:50
Solids: 0.00
Laboratory ID: 1002017-10

SDG: PM012510B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 02/03/10 07:00
Initial/Final: 50 g / 50 mL
QC Batch: 1000932

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.0057	mg/L	1	0.0050	0.0022		02/03/10 14:28

00775

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-012710-182

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 14:50
Solids: 0.00
Laboratory ID: 1002017-11

SDG: PM012510B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 02/03/10 07:00
Initial/Final: 50 g / 50 mL
QC Batch: 1000932

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.0050	mg/L	1	0.0050	0.0022	U	02/03/10 14:28

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-012810-189

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/28/10 09:15
Solids: 0.00
Laboratory ID: 1002017-12

SDG: PM012510B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 02/03/10 07:00
Initial/Final: 50 g / 50 mL
QC Batch: 1000932

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.0050	mg/L	1	0.0050	0.0022	U	02/03/10 14:28

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B04003

SDG: PM012510B
Project: Plainwell Mill
Instrument: 298
Calibration: 0B04003

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B04003-CAL1	020310cnm-001	02/03/10 13:02
Cal Standard	0B04003-CAL2	020310cnm-002	02/03/10 13:02
Cal Standard	0B04003-CAL3	020310cnm-003	02/03/10 13:02
Cal Standard	0B04003-CAL4	020310cnm-004	02/03/10 13:02
Cal Standard	0B04003-CAL5	020310cnm-005	02/03/10 13:02
Cal Standard	0B04003-CAL6	020310cnm-006	02/03/10 13:02
Cal Standard	0B04003-CAL7	020310cnm-007	02/03/10 13:02
Calibration Check	0B04003-CCV1	020310cnm-008	02/03/10 13:26
Calibration Blank	0B04003-CCB1	020310cnm-009	02/03/10 13:26
High Cal Check	0B04003-HCV1	020310cnm-011	02/03/10 13:26
Low Cal Check	0B04003-LCV1	020310cnm-012	02/03/10 13:26
MRL Check	0B04003-CRL1	020310cnm-013	02/03/10 13:26
Blank	1000932-BLK1	020310cnm-014	02/03/10 13:26
LCS	1000932-BS1	020310cnm-015	02/03/10 13:26
LCS	1000932-BS2	020310cnm-016	02/03/10 13:26
Calibration Check	0B04003-CCV2	020310cnm-019	02/03/10 13:33
Calibration Blank	0B04003-CCB2	020310cnm-020	02/03/10 13:33
S-SO-56394-CB-012510-129	1002017-01	020310cnm-024	02/03/10 13:33
S-SO-56394-CB-012510-133	1002017-02	020310cnm-025	02/03/10 13:34
S-SO-56394-CB-012510-133	1000932-MSD1	020310cnm-026	02/03/10 13:40
S-SO-56394-CB-012610-158	1002017-03	020310cnm-027	02/03/10 13:40
S-SO-56394-CB-012610-160	1002017-04	020310cnm-030	02/03/10 13:40
S-SO-56394-DR-012610-1078	1002017-05	020310cnm-031	02/03/10 13:40
SD-SO-56394-DR-012610-1078	1002017-06	020310cnm-032	02/03/10 13:40
S-SO-56394-CB-012710-168	1002017-07	020310cnm-033	02/03/10 13:40
SD-SO-56394-CB-012710-168	1002017-08	020310cnm-034	02/03/10 13:40
Calibration Check	0B04003-CCV3	020310cnm-035	02/03/10 13:44
Calibration Blank	0B04003-CCB3	020310cnm-036	02/03/10 13:44
S-SO-56394-CB-012510-133	1000932-MS1	020310cnm-038	02/03/10 13:51
S-SO-56394-CB-012710-177	1002017-09	020310cnm-048	02/03/10 14:28
S-SO-56394-CB-012710-180	1002017-10	020310cnm-049	02/03/10 14:28
S-SO-56394-CB-012710-182	1002017-11	020310cnm-050	02/03/10 14:28

: 00778

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B04003

SDG: PM012510B
Project: Plainwell Mill
Instrument: 298
Calibration: 0B04003

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012810-189	1002017-12	020310cnm-051	02/03/10 14:28
Calibration Check	0B04003-CCV4	020310cnm-052	02/03/10 14:31
Calibration Blank	0B04003-CCB4	020310cnm-053	02/03/10 14:31

00779

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B04003
Instrument ID:298
Control Limt: +/- 15.00%
Calibration: 0B04003

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B04003-CCV1	Cyanide	0.100	0.103	103	mg/L	02/03/10 13:26
0B04003-CCV2	Cyanide	0.100	0.101	101	mg/L	02/03/10 13:33
0B04003-CCV3	Cyanide	0.100	0.108	108	mg/L	02/03/10 13:44
0B04003-CCV4	Cyanide	0.100	0.107	107	mg/L	02/03/10 14:31

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B04003
Instrument: 298
Laboratory ID: 0B04003-LCV1
Calibration: 0B04003

Analyte	Expected	Found	% Drift	QC Limit	Units
Cyanide	0.0500	0.0496	-0.8		mg/L

* Values outside of QC limits

00781

HIGH-CONCENTRATION CALIBRATION VERIFICATION

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B04003
Instrument: 298
Laboratory ID: 0B04003-HCV1
Calibration: 0B04003

Analyte	Expected	Found	% Drift	QC Limit	Units
Cyanide	0.100	0.101	1.2		mg/L

* Values outside of QC limits

00782

CRDL STANDARD

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510B

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0B04003

Instrument ID: 298

Calibration: 0B04003

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B04003-CRL1	Cyanide	0.00500	0.00402	80	mg/L	0 - 200

* Values outside of QC limits

00783

BLANKS
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B04003

SDG: PM012510B
Project: Plainwell Mill
Instrument ID: 298
Calibration: 0B04003

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B04003-CCB1	Cyanide	-0.00085	0.0050	0.0022	mg/L	U	02/03/10 13:26
0B04003-CCB2	Cyanide	-0.00093	0.0050	0.0022	mg/L	U	02/03/10 13:33
0B04003-CCB3	Cyanide	-0.00091	0.0050	0.0022	mg/L	U	02/03/10 13:44
0B04003-CCB4	Cyanide	-0.00062	0.0050	0.0022	mg/L	U	02/03/10 14:31

* Values outside of QC limits

: 00784

QC BATCH SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1000932
QC Batch Matrix: Soil
Preparation: 9010B Cyanide Distillation

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000932-BLK1	02/03/10 07:00	
LCS	1000932-BS1	02/03/10 07:00	
LCS	1000932-BS2	02/03/10 07:00	
S-SO-56394-CB-012510-133	1000932-MS1	02/03/10 07:00	
S-SO-56394-CB-012510-133	1000932-MSD1	02/03/10 07:00	
S-SO-56394-CB-012510-129	1002017-01	02/03/10 07:00	only run if total CN is >=0.09Jmg/kg
S-SO-56394-CB-012510-133	1002017-02	02/03/10 07:00	only run if total CN is >=0.09Jmg/kg
S-SO-56394-CB-012610-158	1002017-03	02/03/10 07:00	only run if total CN is >=0.09Jmg/kg
S-SO-56394-CB-012610-160	1002017-04	02/03/10 07:00	only run if total CN is >=0.09Jmg/kg
S-SO-56394-DR-012610-1078	1002017-05	02/03/10 07:00	only run if total CN is >=0.09Jmg/kg
SD-SO-56394-DR-012610-1078	1002017-06	02/03/10 07:00	only run if total CN is >=0.09Jmg/kg
S-SO-56394-CB-012710-168	1002017-07	02/03/10 07:00	only run if total CN is >=0.09Jmg/kg
SD-SO-56394-CB-012710-168	1002017-08	02/03/10 07:00	only run if total CN is >=0.09Jmg/kg
S-SO-56394-CB-012710-177	1002017-09	02/03/10 07:00	only run if total CN is >=0.09Jmg/kg
S-SO-56394-CB-012710-180	1002017-10	02/03/10 07:00	only run if total CN is >=0.09Jmg/kg
S-SO-56394-CB-012710-182	1002017-11	02/03/10 07:00	only run if total CN is >=0.09Jmg/kg
S-SO-56394-CB-012810-189	1002017-12	02/03/10 07:00	only run if total CN is >=0.09Jmg/kg

METHOD BLANK DATA SHEET
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000932-BLK1
File ID: 020310cnm-014
Prepared: 02/03/10 07:00
Preparation: 9010B Cyanide Distillatic
Initial/Final: 50 g / 50 mL
Analyzed: 02/03/10 13:26
Instrument: 298
QC Batch: 1000932
Sequence: 0B04003
Calibration: 0B04003

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
57-12-5	Cyanide, SPLP	0.0022	0.0050	0.0050	mg/L	U

00786

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-012510-133

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510B

Project: Plainwell Mill

Preparation: 9010B Cyanide Distillation

Initial/Final: 50 g / 50 mL

Laboratory ID: 1000932-MS1

QC Batch: 1000932

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Cyanide, SPLP	0.100	ND	0.0948	95	75 - 123	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

: 00787

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-012510-133

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510B

Project: Plainwell Mill

Preparation: 9010B Cyanide Distillation

Initial/Final: 50 g / 50 mL

Laboratory ID: 1000932-MSD1

QC Batch: 1000932

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Cyanide, SPLP	0.100	0.0922	92	3	20	75 - 123	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

00788

LCS / LCS DUPLICATE RECOVERY

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

Laboratory ID: 1000932-BS1

SDG: PM012510B

Project: Plainwell Mill

Preparation: 9010B Cyanide Distillation

Initial/Final: 50 g / 50 mL

QC Batch: 1000932

Sequence: 0B04003

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Cyanide, SPLP	0.100	0.0960	96	90 - 110	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

: 00789

LCS / LCS DUPLICATE RECOVERY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil

Laboratory ID: 1000932-BS2

SDG: PM012510B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Initial/Final: 50 g / 50 mL
QC Batch: 1000932
Sequence: 0B04003

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Cyanide, SPLP	0.0400	0.0370	93	90 - 110	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

: 00790

HOLDING TIME SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510B

Client: SulTRAC

Project: Plainwell Mill

Analyte: Cyanide

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012510-129	01/25/10	01/28/10	02/01/10	02/03/10	2	NA	02/03/10	2	14	
S-SO-56394-CB-012510-133	01/25/10	01/28/10	02/01/10	02/03/10	2	NA	02/03/10	2	14	
S-SO-56394-CB-012610-158	01/26/10	01/28/10	02/01/10	02/03/10	2	NA	02/03/10	2	14	
S-SO-56394-CB-012610-160	01/26/10	01/28/10	02/01/10	02/03/10	2	NA	02/03/10	2	14	
S-SO-56394-DR-012610-1078	01/26/10	01/28/10	02/01/10	02/03/10	2	NA	02/03/10	2	14	
SD-SO-56394-DR-012610-1078	01/26/10	01/28/10	02/01/10	02/03/10	2	NA	02/03/10	2	14	
S-SO-56394-CB-012710-168	01/27/10	01/28/10	02/01/10	02/03/10	2	NA	02/03/10	2	14	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10	02/01/10	02/03/10	2	NA	02/03/10	2	14	
S-SO-56394-CB-012710-177	01/27/10	01/28/10	02/01/10	02/03/10	2	NA	02/03/10	2	14	
S-SO-56394-CB-012710-180	01/27/10	01/28/10	02/01/10	02/03/10	2	NA	02/03/10	2	14	
S-SO-56394-CB-012710-182	01/27/10	01/28/10	02/01/10	02/03/10	2	NA	02/03/10	2	14	
S-SO-56394-CB-012810-189	01/28/10	01/28/10	02/01/10	02/03/10	2	NA	02/03/10	2	14	

00791

Inorganic - Wet Chemistry, Soil, Feb-03-10

Instrument = 298, Calibration = 0B04003

Sequence Analyses:
Cyanide SPLP 9014

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
0B04003-CAL1	QC		0020162		CAL STANDARD	
0B04003-CAL2	QC		0020161		CAL STANDARD	
0B04003-CAL3	QC		0020160		CAL STANDARD	
0B04003-CAL4	QC		0020159		CAL STANDARD	
0B04003-CAL5	QC		0020158		CAL STANDARD	
0B04003-CAL6	QC		0020157		CAL STANDARD	
0B04003-CAL7	QC		0020156		CAL STANDARD	
0B04003-CCV1	QC		0020157		CALIBRATION CHECK	
0B04003-CCB1	QC		0020162		CALIBRATION BLANK	
0B04003-HCV1	QC		0020152		HIGH CAL CHECK	
0B04003-LCV1	QC		0020153		LOW CAL CHECK	
0B04003-CRL1	QC		0020161		MRL CHECK	
1000932-BLK1	QC				BLANK	
1000932-BS1	QC				LCS	
1000932-BS2	QC				LCS	
0B04003-CCV2	QC		0020157		CALIBRATION CHECK	
0B04003-CCB2	QC		0020162		CALIBRATION BLANK	
1002017-01	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
1002017-02	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
1000932-MSD1	QC				MATRIX SPIKE DUP	
1002017-03	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
1002017-04	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
1002017-05	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
1002017-06	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
1002017-07	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
1002017-08	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
0B04003-CCV3	QC		0020157		CALIBRATION CHECK	
0B04003-CCB3	QC		0020162		CALIBRATION BLANK	
1000932-MS1	QC				MATRIX SPIKE	
1002017-09	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
1002017-10	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
1002017-11	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
1002017-12	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
0B04003-CCV4	QC		0020157		CALIBRATION CHECK	
0B04003-CCB4	QC		0020162		CALIBRATION BLANK	

Comments:	Analyst Initials:

TriMatrix Laboratories, Inc.

NLB 2-7-10

2-12-10

PREPARATION BATCH 1000932

Page 1 of 1

due 02/15/10

Printed: 2/3/2010 8:24:24AM

4 MD

Inorganic - Wet Chemistry, Soil, 9010B Cyanide Distillation

(No Surrogate)

Batch Comments: (none)

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1002017	Cyanide SPLP 9014				

Lab Number	Contain	Prepared	By	Initial (g)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
[illegible]		Feb-03-10 07:00	LMA	50	50					BLANK	
1000932-BS1		Feb-03-10 07:00	LMA	50	50			0020004	50	LCS	
1000932-BS2		Feb-03-10 07:00	LMA	50	50			0020004	20	LCS	
1000932-MS1		Feb-03-10 07:00	LMA	50	50		1002017-02	0020004	50	MATRIX SPIKE	
1000932-MSD1		Feb-03-10 07:00	LMA	50	50		1002017-02	0020004	50	MATRIX SPIKE DUP	
1002017-01	A 01	Feb-03-10 07:00	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1002017-02	A 01	Feb-03-10 07:00	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1002017-03	A 01	Feb-03-10 07:00	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1002017-04	A 01	Feb-03-10 07:00	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1002017-05	A 01	Feb-03-10 07:00	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1002017-06	A 01	Feb-03-10 07:00	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1002017-07	A 01	Feb-03-10 07:00	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1002017-08	A 01	Feb-03-10 07:00	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1002017-09	A 01	Feb-03-10 07:00	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1002017-10	A 01	Feb-03-10 07:00	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1002017-11	A 01	Feb-03-10 07:00	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1002017-12	A 01	Feb-03-10 07:00	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg

Comments: pH 7/2 w/ NaOH checked for interferences

Reagents INR 10.55-18, INR 9.66-16, INR 10.45-9, INR 10.44-8

7:00-8:00am

Analyst Initials:

bch_TriMatrix.rpt

Calibration results AquaKem 6.5 Page: 1

Laboratory inst#298
Konelab User

03.02.2010 13:06

Test CN

12:30 - 2:35pm

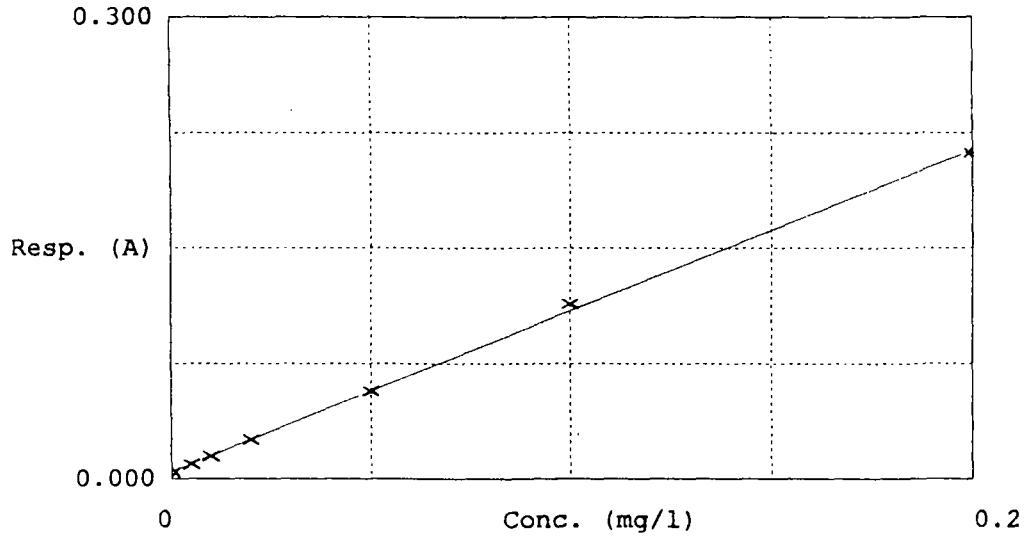
Reagents INR 9.88.2
INR 10.46-10
INR 10.3.2
INR 10.55-17

Accepted 03.02.2010 13:06

Factor 0.957
Bias 0.005

Coeff. of det. 0.999305

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors	Element
1	CN- 0	0.004	-0.00059	0.00000		0020162
2	CN- 0.005	0.010	0.00459	0.00500		0020161
3	CN- 0.01	0.015	0.00950	0.01000		0020160
4	CN- 0.02	0.025	0.01952	0.02000		0020159
5	CN- 0.05	0.057	0.04974	0.05000		0020158
6	CN- 0.1	0.114	0.10416	0.10000		0020157
7	CN- 0.2	0.212	0.19807	0.20000		0020156

NCV 0020152
: 0020153

Laboratory inst#298
Konelab User

Date : 2010-02-03
Time : 14.31

Test CN
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Man.dilut
CN CCV	0.1035	0.113	2010-02-03 13.26		
CN CCB	-0.0008	0.004	2010-02-03 13.26		
blk	-0.0008	0.004	2010-02-03 13.26		
hcv	0.1012	0.111	2010-02-03 13.26		
lcv	0.0496	0.057	2010-02-03 13.26		
crl	0.0040	0.009	2010-02-03 13.26		
blk 2/3	-0.0009	0.004	2010-02-03 13.26		
bs1 2/3	0.0960	0.105	2010-02-03 13.26		
bs2 2/3	0.0370	0.044	2010-02-03 13.26		
blk splp	-0.0008	0.004	2010-02-03 13.26		
1002015-01	-0.0001	0.005	2010-02-03 13.33		
CN CCV	0.1011	0.111	2010-02-03 13.33		
CN CCB	-0.0009	0.004	2010-02-03 13.33		
1002015-02	0.0064	0.012	2010-02-03 13.33		
1002015-03	0.0116	0.017	2010-02-03 13.33		
1002015-04	0.0043	0.009	2010-02-03 13.33		
1002017-01	0.0005	0.005	2010-02-03 13.33		
1002017-02	-0.0007	0.004	2010-02-03 13.34		
1002017-02msd	0.0922	0.101	2010-02-03 13.40		
1002017-03	0.0010	0.006	2010-02-03 13.40		
CN CCV	0.1033	0.113	2010-02-03 13.40		
CN CCB	-0.0008	0.004	2010-02-03 13.40		
1002017-04	-0.0005	0.004	2010-02-03 13.40		
1002017-05	-0.0007	0.004	2010-02-03 13.40		
1002017-06	-0.0006	0.004	2010-02-03 13.40		
1002017-07	-0.0003	0.005	2010-02-03 13.40		
1002017-08	-0.0003	0.005	2010-02-03 13.40		
CN CCV	0.1083	0.118	2010-02-03 13.44		
CN CCB	-0.0009	0.004	2010-02-03 13.44		
soil mdl verific	0.0037	0.009	2010-02-03 13.47		
1002017-02ms	0.0948	0.104	2010-02-03 13.51		
CN CCV	0.1051	0.115	2010-02-03 13.53		
CN CCB	-0.0009	0.004	2010-02-03 13.53		
CN CCV	0.0982	0.107	2010-02-03 14.28		
CN CCB	-0.0003	0.005	2010-02-03 14.28		
mblk 2/3	-0.0004	0.005	2010-02-03 14.28		
mbs1 2/3	0.0982	0.107	2010-02-03 14.28		
mbs2 2/3	0.0522	0.059	2010-02-03 14.28		
ms 1002015-01	0.0956	0.105	2010-02-03 14.28		
msd1002015-01	0.0974	0.107	2010-02-03 14.28		
1002017-09	0.0103	0.016	2010-02-03 14.28		
1002017-10	0.0057	0.011	2010-02-03 14.28		
1002017-11	-0.0005	0.004	2010-02-03 14.28		
1002017-12	-0.0005	0.004	2010-02-03 14.28		
CN CCV	0.1067	0.116	2010-02-03 14.31		
CN CCB	-0.0006	0.004	2010-02-03 14.31		

02/04/10 MS

TRIMATRIX LABORATORIES

5560 Corporate Exchange Court, SE
Grand Rapids, MI 49512 (616) 975-4500

TRANSMITTAL FORM

Date: March 9, 2010

Attention: Jeff Lifka
To: Tetra Tech EM, Inc.
1 S. Wacker Drive, 37th Floor
Chicago, IL 60606-4651

312.201.7491

Project Name: Sultrac - Plainwell Mill

SDG: PM011810B

Work Order (s): 1001372, 1002038

WE ARE SENDING YOU:

By: ☐ US Mail ☒ FedEx ☐ Courier ☐ Other

ENCLOSED WITH THIS TRANSMITTAL: ☐ **UNDER SEPARATE COVER:** ☐

☐ Report(s) (Draft) ☐ Proposal ☐ QAPP Information
☒ Report(s) (Final) ☐ Contract Documents ☐ Other

QUANTITY	DESCRIPTION / DOCUMENT NAME
1	Hard copy of Data validation package (to TTEMI and to EPA)
1	CD of Data validation package (to TTEMI only)

THESE ARE TRANSMITTED AS CHECKED BELOW:

☒ Furnished As Requested ☐ For Review and Comment ☐ For Submittal To: _____
☐ For File ☐ As Corrected

REMARKS:

cc: Mr. Sam Chummar, USEPA Region 5
Work Assignment Manager, (SR-6J)
77 West Jackson Blvd.
Chicago, IL 60604
312-886-1434

BY: Lisa Harvey
Project Chemist

H:\SulTrac\Plainwell Mill\TRANSPM011810B.DOC

TRIMATRIX LABORATORIES

DATA VALIDATION PACKAGE

Prepared for:
SulTRAC
1 S. Wacker Drive, Suite 3700
Chicago, IL 60606

Project:
Plainwell Mill

Sample Delivery Group (SDG):
PM011810B

Date:
March 09, 2010

Prepared by:
TriMatrix Laboratories, Inc.
5560 Corporate Exchange Court SE
Grand Rapids, MI 49512-5503

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.

TRIMATRIX LABORATORIES

TABLE OF CONTENTS

SulTRAC
Plainwell Mill

Section	Description	Pages
	Cover Page	**0001**
	Table of Contents	**0002**
	SDG Case Narrative	**0003-0010**
A	**Field COC Records and Receiving Documentation**	**0011-0021**
B	**Internal COC Records**	**0022-0046**
C	**Inorganic - Metals**	**0047-0000**
	• USEPA-6010B	0048-0225
	• USEPA-6020A	0226-0725
	• USEPA-7470A	0726-0802
D	**Inorganic - Wet Chemistry**	**0803-0835**
	• USEPA-9014	0804-0835

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.

5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

SulTRAC
Plainwell Mill

SDG Executive Summary

This case narrative applies to samples received on January 21, 2010. All samples were scheduled for analysis in accordance with parameters outlined on the field chain of custody record, the TriMatrix bid form, and/or oral and written correspondence between SulTRAC and TriMatrix Laboratories, Inc..

Each sample receipt event was assigned a unique TriMatrix work order number. Sample receipt documentation is included in section A of this data package.

Project Technical Issues/Problems

Project-related data qualification designations and reporting conventions are included in Attachment 1 - *Project Technical Narrative.*

QA/QC Data Qualifications/Narrations

Quality assurance issues and/or quality control data qualifications and narrations related to the analysis and reporting of this SDG are presented in Attachment 2 - *Statement of Data Qualifications.* The absence of a statement page for a particular analyte group (*e.g.* Percent Solids) implies that no qualifying statements were generated for that analyte.

Data Review and Approval

All data was peer-reviewed by a second analyst, and then by appropriate data management staff against laboratory quality control requirements and project specifications. It was then reviewed and approved by the group supervisor/manager prior to further review by the project chemist.

Data Deliverables

The data deliverables, both hardcopy and/or electronic (EDD), that comprise this data package are intended to comply with the documents referenced in the introductory section of this narrative. The EDD, if requested, will be issued separately from this hardcopy report. Hold time reports for each test procedure are presented following the CLP-like forms section of this report.

This report relates only to the sample(s) as received. Test results are in compliance with the requirements of the National Environmental Laboratory Accreditation Conference (NELAC). Estimates of analytical uncertainties for the test results contained within the report are available upon request.

Lisa M. Harvey, Project Chemist

03-09-2010
Date

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Sample Receipt and Login -- Work Order: 1001372

TriMatrix Laboratories received the cooler(s) for this work order on January 21, 2010, at 17:55pm. Receiving documents include field chain-of-custody (COC) record(s), sample receipt form(s), and Client Drop-Off shipping document(s). The condition of the custody seals, the type and location of the coolant, and the temperatures recorded for each cooler are presented on the TriMatrix *Sample Receiving / Log-In Checklist* provided in section A of this package. The receipt temperature of the samples was determined by using an infrared thermometer to record the temperature of three random samples of varying container types and the accompanying temperature blank, if present.

Samples were scheduled for the analyses listed on the corresponding COC form. Field IDs and assigned laboratory identifiers are presented in the table below.

Field Sample Name	Laboratory Sample ID	Matrix	Date Sampled
S-SO-56394-CB-011810-057	1001372-01	Soil	1/18/2010
S-SO-56394-DR-012010-1031	1001372-02	Soil	1/20/2010
S-SO-56394-DR-012010-1035	1001372-03	Soil	1/20/2010
S-SO-56394-DR-012110-1049	1001372-04	Soil	1/21/2010
SD-SO-56394-DR-012110-1049	1001372-05	Soil	1/21/2010
S-SO-56394-DR-012110-1050	1001372-06	Soil	1/21/2010
S-SO-56394-CB-012010-105	1001372-07	Soil	1/20/2010
S-SO-56394-CB-012110-107	1001372-08	Soil	1/21/2010
S-SO-56394-CB-012110-116	1001372-09	Soil	1/21/2010
S-SO-56394-CB-012110-118	1001372-10	Soil	1/21/2010

No administrative issues were encountered during the receipt and analysis of this work order.

The following administrative issues were encountered during the receipt and analysis of this work order:

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Sample Receipt and Login – Work Order: 1002038

TriMatrix Laboratories received the cooler(s) for this work order on January 21, 2010, at 17:55pm. Receiving documents include field chain-of-custody (COC) record(s), sample receipt form(s), and Client Drop-Off shipping document(s). The condition of the custody seals, the type and location of the coolant, and the temperatures recorded for each cooler are presented on the TriMatrix *Sample Receiving / Log-In Checklist* provided in section A of this package. The receipt temperature of the samples was determined by using an infrared thermometer to record the temperature of three random samples of varying container types and the accompanying temperature blank, if present.

Samples were scheduled for the analyses listed on the corresponding COC form. Field IDs and assigned laboratory identifiers are presented in the table below.

Field Sample Name	Laboratory Sample ID	Matrix	Date Sampled
S-SO-56394-CB-011810-062	1002038-01	Soil	1/18/2010
S-SO-56394-CB-011810-072	1002038-02	Soil	1/18/2010
S-SO-56394-CB-011810-057	1002038-03	Soil	1/18/2010
S-SO-56394-DR-011910-1024	1002038-04	Soil	1/19/2010
S-SO-56394-CB-011910-077	1002038-05	Soil	1/19/2010
SD-SO-56394-CB-011910-077	1002038-06	Soil	1/19/2010
S-SO-56394-CB-011910-081	1002038-07	Soil	1/19/2010
S-SO-56394-CB-011910-086	1002038-08	Soil	1/19/2010
S-SO-56394-CB-011910-090	1002038-09	Soil	1/19/2010
S-SO-56394-CB-012010-094	1002038-10	Soil	1/20/2010
S-SO-56394-CB-012010-099	1002038-11	Soil	1/20/2010
S-SO-56394-DR-012010-1031	1002038-12	Soil	1/20/2010
S-SO-56394-DR-012010-1035	1002038-13	Soil	1/20/2010
S-SO-56394-DR-012010-1038	1002038-14	Soil	1/20/2010
S-SO-56394-DR-012110-1045	1002038-15	Soil	1/21/2010
S-SO-56394-DR-012110-1049	1002038-16	Soil	1/21/2010
SD-SO-56394-DR-012110-1049	1002038-17	Soil	1/21/2010
S-SO-56394-DR-012110-1050	1002038-18	Soil	1/21/2010
S-SO-56394-CB-012010-105	1002038-19	Soil	1/20/2010
S-SO-56394-CB-012110-107	1002038-20	Soil	1/21/2010
S-SO-56394-CB-012110-109	1002038-21	Soil	1/21/2010
S-SO-56394-CB-012110-114	1002038-22	Soil	1/21/2010
S-SO-56394-CB-012110-116	1002038-23	Soil	1/21/2010

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Field Sample Name	Laboratory Sample ID	Matrix	Date Sampled
S-SO-56394-CB-012110-118	1002038-24	Soil	1/21/2010

No administrative issues were encountered during the receipt and analysis of this work order.

The following administrative issues were encountered during the receipt and analysis of this work order:

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

SDG CASE NARRATIVE

Attachment 1
Project Technical Narrative

Sample Result Reporting Convention

Sample results are reported as RL "U" (e.g. 0.001 U) if the target analyte was not detected above the MDL.

If a sample for an organic analyte is reanalyzed and also reported, the second analysis includes the suffix "RE*n*" where *n* = the first, second, etc. reanalysis.

Data Qualifier Designation

If applicable, sample results are qualified with:

- a "J" flag if the analyte was detected, but the concentration is greater than the MDL and less than the RL;
- a "B" flag if the analyte was also detected at or above the RL in the associated method blank, and the sample concentration was less than five times the method blank result;
- an "E" flag if the analyte exceeded the instrument calibration range;
- an asterisk (*) if a report-generated statement of qualification applies; qualifying statements, if any, will be found in Attachment 2 to this narrative.

QC Batch and Analytical Batch Designation

A Quality Control (QC) Batch is a seven-digit number that associates all samples that have been prepared together (or analyzed together if there is no preparation). Quality Control batches are limited to no more than twenty samples, excluding batch QC (method blanks, control spikes, etc.). Some batches may contain multiple sets of method blanks (BLK) and laboratory control samples (BS), where a set of method quality control analyses were prepared in concert with each set of samples on a given day.

An Analytical Batch (or Sequence) is a seven-digit number that associates all samples analyzed as a set under one analytical run.

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

SPLP Metals by EPA 1312/6000/7000 Series Methods

Qualification: The LCS and/or LCSD recovery exceeded the upper control limit. A positive result for this analyte in any sample from the associated QC batch is considered estimated. Non-detectable results are not qualified.

Analysis: USEPA-7470A

Sample/Analyte:	
1002038-05 S-SO-56394-CB-011910-077	Mercury
1002038-09 S-SO-56394-CB-011910-090	Mercury
1002038-10 S-SO-56394-CB-012010-094	Mercury
1002038-11 S-SO-56394-CB-012010-099	Mercury
1002038-13 S-SO-56394-DR-012010-1035	Mercury
1002038-15 S-SO-56394-DR-012110-1045	Mercury
1002038-18 S-SO-56394-DR-012110-1050	Mercury
1002038-20 S-SO-56394-CB-012110-107	Mercury

Qualification: The analyte concentration in the associated MB was greater than the MDL but less than the RL. The positive sample result, which was less than 5 times the MB value, is considered estimated.

Analysis: USEPA-6010B

Sample/Analyte:	
1002038-02 S-SO-56394-CB-011810-072	Iron
1002038-03 S-SO-56394-CB-011810-057	Iron
1002038-11 S-SO-56394-CB-012010-099	Iron

Analysis: USEPA-6020A

Sample/Analyte:	
1002038-01 S-SO-56394-CB-011810-062	Zinc
1002038-02 S-SO-56394-CB-011810-072	Zinc
1002038-03 S-SO-56394-CB-011810-057	Zinc
1002038-04 S-SO-56394-DR-011910-1024	Zinc
1002038-07 S-SO-56394-CB-011910-081	Zinc
1002038-08 S-SO-56394-CB-011910-086	Zinc
1002038-09 S-SO-56394-CB-011910-090	Zinc
1002038-10 S-SO-56394-CB-012010-094	Zinc
1002038-11 S-SO-56394-CB-012010-099	Zinc
1002038-12 S-SO-56394-DR-012010-1031	Zinc
1002038-13 S-SO-56394-DR-012010-1035	Zinc
1002038-14 S-SO-56394-DR-012010-1038	Zinc
1002038-15 S-SO-56394-DR-012110-1045	Zinc
1002038-16 S-SO-56394-DR-012110-1049	Zinc

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

SPLP Metals by EPA 1312/6000/7000 Series Methods

Sample/Analyte:	1002038-17 SD-SO-56394-DR-012110-1049	Zinc
	1002038-18 S-SO-56394-DR-012110-1050	Zinc
	1002038-19 S-SO-56394-CB-012010-105	Zinc
	1002038-20 S-SO-56394-CB-012110-107	Zinc
	1002038-21 S-SO-56394-CB-012110-109	Zinc
	1002038-22 S-SO-56394-CB-012110-114	Zinc
	1002038-23 S-SO-56394-CB-012110-116	Zinc
	1002038-24 S-SO-56394-CB-012110-118	Zinc

Qualification: The analyte concentration in the associated MB was greater than the MDL but less than the RL. The positive sample result, which was greater than 5 times the MB value, is not considered estimated.

Analysis: USEPA-6010B

Sample/Analyte:	1002038-01 S-SO-56394-CB-011810-062	Iron
	1002038-04 S-SO-56394-DR-011910-1024	Iron
	1002038-05 S-SO-56394-CB-011910-077	Iron
	1002038-06 SD-SO-56394-CB-011910-077	Iron
	1002038-07 S-SO-56394-CB-011910-081	Iron
	1002038-08 S-SO-56394-CB-011910-086	Iron
	1002038-09 S-SO-56394-CB-011910-090	Iron
	1002038-10 S-SO-56394-CB-012010-094	Iron
	1002038-12 S-SO-56394-DR-012010-1031	Iron
	1002038-13 S-SO-56394-DR-012010-1035	Iron
	1002038-14 S-SO-56394-DR-012010-1038	Iron
	1002038-15 S-SO-56394-DR-012110-1045	Iron
	1002038-16 S-SO-56394-DR-012110-1049	Iron

Analysis: USEPA-6020A

Sample/Analyte:	1002038-05 S-SO-56394-CB-011910-077	Zinc
	1002038-06 SD-SO-56394-CB-011910-077	Zinc

Qualification: This analyte was not present in this sample at a concentration greater than 50 times the MDL, therefore serial dilution is not required.

Analysis: USEPA-6010B

Sample/Analyte:	1002038-14 S-SO-56394-DR-012010-1038	Aluminum

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

SPLP Metals by EPA 1312/6000/7000 Series Methods

Qualification: This analyte was not present in this sample at a concentration greater than 100 times the MDL, therefore serial dilution is not required.

Analysis: USEPA-6020A

Sample/Analyte:	1002038-14 S-SO-56394-DR-012010-1038	Silver

Qualification: The MS and/or MSD recovery was outside the control limit. The non-spiked sample result is considered estimated.

Analysis: USEPA-6010B

Sample/Analyte:	1002038-14 S-SO-56394-DR-012010-1038	Aluminum
	1002038-14 S-SO-56394-DR-012010-1038	Iron

Analysis: USEPA-7470A

Sample/Analyte:	1002038-14 S-SO-56394-DR-012010-1038	Mercury

Qualification: The RPD between the MS and MSD results exceeded the control limit. The non-spiked sample result is considered estimated.

Analysis: USEPA-7470A

Sample/Analyte:	1002038-14 S-SO-56394-DR-012010-1038	Mercury

Qualification: The MS or MSD recovery, but not both, was outside the control limit. The RPD is within the control limit. The unspiked sample result is not qualified.

Analysis: USEPA-6020A

Sample/Analyte:	1002038-14 S-SO-56394-DR-012010-1038	Lead

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

TRIMATRIX LABORATORIES

SECTION - A

FIELD COC RECORDS AND RECEIVING DOCUMENTATION

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.

TriMatrix Laboratories, Inc.

5560 Corporate Exchange Court SE Grand Rapids, MI 49512
Phone (616) 975-4500 Fax (616) 942-7463
www.trimatrixlabs.com

Chain of Custody Record

1/3

COC No. 06255

For Lab Use Only
Cart: 6
VOA Rack/Tray: -
Receipt Log No.: 35-4 19-17

Relog for SPLP CN 1/28/10 PM01181DB

Client Name	SulTRAC
Address	1 S. Wacker Drive, Suite 3700 Chicago, IL 60606 SulTRAC EP-S5-06-02 WA006
Phone	312-201-7491
Fax	312-938-0118
Project Name	Plainwell Mill
Client Project No. / P.O. No.	
Invoice To	(●) Client ( ) Other (comments)
Contact/Report To	Jeff Lifka - TTEMI
Project Chemist	Lisa Harvey
Work Order No.	1001372 1001254

Analyses Requested

	A	A	A	A		E	B	A	B	
	Total Metals* (soil)	Total CN, %S (soil)	SPLP-Metals* (soil)	SPLP-Cyanide (Soil)		Total CN (wtr)	Total Metals* (wtr)	LLHg (wtr)	Dissolved Metals* (wtr)	Comments
Container Type (corresponds to Container Packing List)	17	17	17	17		5	6	2	15	
Number of Containers Submitted										

PRESERVATIVES
A NONE pH-7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Schedule	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	Comp / Grab	Matrix											Total	Sample Comments
I	WP	01	1	S-VAS-56394-DR-011810-1018	TR 1709	01-18-10	0955	GRAB	W							X				1	
H		02	2	S-VAS-56394-DR-011810-1018		01-18-10	0955	GRAB	W										X	1	FILTERED IN FIELD
A 04		03	3	S-SO-56394-CB-011810-062		01-18-10	1345	Comp	S	X	X									1	
		04	4	S-SO-56394-CB-011810-072		01-18-10	1615	Comp	S	X	X									1	
E		01 05	5	S-SO-56394-CB-011810-057		01-18-10	1125	Comp	S	X	X		X							1	
		06	6	S-SO-56394-DR-011910-1024		01-19-10	1130	Comp	S	X	X									1	
		07	7	S-SO-56394-CB-011910-077		01-19-10	0950	Comp	S	X	X									1	
		08	8	SD-SO-56394-CB-011910-077		01-19-10	0950	Comp	S	X	X									1	
		09 08	9	S-SO-56394-CB-011910-081		01-19-10	1250	Comp	S	X	X									1	
↓		10 09	10	S-SO-56394-CB-011910-086	↓	01-19-10	1520	Comp	S	X	X									1	

Sampled By (print): Robert Kondracki
Sampler's Signature:
Company: SulTRAC

How Shipped?
Tracking No.

Comments: Jeff gets summary report in 10 business days; DVP/CD in 20 business days. Jeff gets the invoice. EPA Region 5 EDD and EPA-SEDD for this project. *Metals: Al,Sb,As,Ba,Be,Cd,Cr,Co,Cu,Fe,Pb,Mg,Mn,Hg (soil/SPLP only), Ni,Se,Na,Tl,V,Zn.

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
	1-19-10	1750						
1. Received By	**Date**	**Time**	**2. Received By**	**Date**	**Time**	**3. Received For Lab By**	**Date**	**Time**
						Kim Ziegler	1-19-10	1750

DROP

00012

TriMatrix Laboratories, Inc.

5560 Corporate Exchange Court SE Grand Rapids, MI 49512
Phone (616) 975-4500 Fax (616) 942-7463
www.trimatrixlabs.com

Chain of Custody Record 2/3

COC No. 06266

For Lab Use Only

Cart: 6

VOA Rack/Tray: –

Receipt Log No.: 35-4 ~~23-8~~

Project Chemist: Lisa Harvey

Work Order No.: 1001372 ~~1001286~~

Relog for SPLP CN 1/28/10 PM 011810B ~~PM011810~~

Client Name: SulTRAC

Address: 1 S. Wacker Drive, Suite 3700, Chicago, IL 60606
SulTRAC EP-S5-06-02 WA006

Phone: 312-201-7491
Fax: 312-938-0118

Project Name: Plainwell Mill

Client Project No. / P.O. No.:

Invoice To: ● Client ○ Other (comments)

Contact/Report To: Jeff Lifka - TTEMI

Analyses Requested

Schedule	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	Comp / Grab	Matrix	A Total Metals* (soil)	A Total CN, %S (soil)	A SPLP-Metals* (soil)	A SPLP-Cyanide (Soil)		E Total CN (wtr)	B Total Metals* (wtr)	A LLHg (wtr)			Total	Sample Comments
										Container Type (corresponds to Container Packing List)											
										17	17	17	17		5	6	2				
										Number of Containers Submitted											
A	SO	~~01~~	1	S-SO-56394-CB-011910-090	TML 1265	1-19-10	1610	Comp	S	x	x									1	
		~~02~~	2	S-SO-56394-CB-012010-094		1-20-10	1050	Comp	S	x	x									1	
		~~03~~	3	S-SO-56394-CB-012010-099		1-20-10	1350	Comp	S	x	x									1	
E		02 ~~04~~	4	S-SO-56394-DR-012010-1031		1-20-10	0845	Comp	S	x	x		X							1	
E		03 ~~05~~	5	S-SO-56394-DR-012010-1035		1-20-10	1210	Comp	S	x	x		X							1	
		~~06~~	6	S-SO-56394-DR-012010-1038		1-20-10	1400	Comp	S	x	x									1	
B		~~07~~	7	S-SO-56394-DR-012110-1045		1-21-10	0855	Comp	S	x	x									2	MS/MSD
A E		04 ~~08~~	8	S-SO-56394-DR-012110-1049		1-21-10	1120	Comp	S	x	x		X							1	
E		05 ~~09~~	9	SD-SO-56394-DR-012110-1049		1-21-10	1125	Comp	S	x	x		X							1	
E		06 ~~10~~	10	S-SO-56394-DR-012110-1050		1-21-10	1340	Comp	S	x	x		X							1	

⇦ PRESERVATIVES
- A NONE pH~7
- B HNO_3 pH<2
- C H_2SO_4 pH<2
- D 1+1 HCl pH<2
- E NaOH pH>12
- F ZnAc/NaOH pH>9
- G MeOH
- H Other (note below)

Sampled By (print): Robert Kondrech

Sampler's Signature: [signature]

Company:

How Shipped? Hand Delivered

Tracking No.:

Comments: Jeff gets summary report in 10 business days; DVP/CD in 20 business days. Jeff gets the invoice. EPA Region 5 EDD and EPA-SEDD for this project. *Metals: Al,Sb,As,Ba,Be,Cd,Cr,Co,Cu,Fe,Pb,Mg,Mn,Hg (soil/SPLP only), Ni,Se,Na,Tl,V,Zn.

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
[signature]	1-21-10	1755						
1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
						D. Nardin	1-21-10	17:55

00013

TriMatrix Laboratories, Inc.

5560 Corporate Exchange Court SE Grand Rapids, MI 49512
Phone (616) 975-4500 Fax (616) 942-7463
www.trimatrixlabs.com

Chain of Custody Record 3/3

COC No. 06267

PM 01181DB

Relog for SPLP (N) 1/28/10

For Lab Use Only

Cart: 6
VOA Rack/Tray: 35-4
Receipt Log No.: ~~23-8~~
Project Chemist: Lisa Harvey
Work Order No.: 1001372 ~~1001286~~

Client Name: SulTRAC
Address: 1 S. Wacker Drive, Suite 3700, Chicago, IL 60606
SulTRAC EP-S5-06-02 WA006
Phone: 312-201-7491
Fax: 312-938-0118

Project Name: Plainwell Mill
Client Project No. / P.O. No.:
Invoice To: ● Client ○ Other (comments)
Contact/Report To: Jeff Lifka - TTEMI

Analyses Requested

Schedule	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	Comp / Grab	Matrix	Total Metals* (soil)	Total CN, %S (soil)	SPLP-Metals* (soil)	SPLP-Cyanide (Soil)		Total CN (wtr)	Total Metals* (wtr)	LLHg (wtr)			Total	Sample Comments
										A	A	A	A		E	B	A				
										Container Type (corresponds to Container Packing List)											
										17	17	17	17		5	6	2				
										Number of Containers Submitted											
A (E)	SO ~~WP~~	07 ~~11~~	1	S-SO-56394-CB-012010-105	TM 1265	1-20-10	1630	Comp	S	X	X		X							1	
(E)		08 ~~12~~	2	S-SO-56394-CB-012110-107		1-21-10	0900	Comp	S	X	X		X							1	
		~~13~~	3	S-SO-56394-CB-012110-109		1-21-10	1000	Comp	S	X	X									1	
		~~14~~	4	S-SO-56394-CB-012110-114		1-21-10	1120	Comp	S	X	X									1	
(E)		09 ~~15~~	5	S-SO-56394-CB-012110-116		1-21-10	1310	Comp	S	X	X		X							1	
(E)		10 ~~16~~	6	S-SO-56394-CB-012110-118		1-21-10	1410	Comp	S	X	X		X							1	
			7																		
			8																		
			9																		
			10																		

⇦ PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Sampled By (print): Robert Kondrek
Sampler's Signature: [signature]
Company:

How Shipped? Hand Delivered
Tracking No.

Comments: Jeff gets summary report in 10 business days; DVP/CD in 20 business days. Jeff gets the invoice. EPA Region 5 EDD and EPA-SEDD for this project. *Metals: Al,Sb,As,Ba,Be,Cd,Cr,Co,Cu,Fe,Pb,Mg,Mn,Hg (soil/SPLP only), Ni,Se,Na,Tl,V,Zn.

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
[signature]	1-21-10	1755						
1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
						D. Hardin	1-21-10	17:55

00014

TriMatrix Laboratories, Inc.

5560 Corporate Exchange Court SE Grand Rapids, MI 49512
Phone (616) 975-4500 Fax (616) 942-7463
www.trimatrixlabs.com

Chain of Custody Record

COC No. D6255

* 2-2-10 Log in various SPLP metals
Log in all metals
PM011810B

For Lab Use Only

Cart: 6
VOA Rack/Tray: 44-23
Receipt Log No.: ~~19-17~~
Project Chemist: Lisa Harvey
Work Order No.: 1002038 ~~1001254~~

Client Name: SulTRAC 2-22-10/Jeff L.
Address: 1 S. Wacker Drive, Suite 3700, Chicago, IL 60606
SulTRAC EP-S5-06-02 WA006
Phone: 312-201-7491
Fax: 312-938-0118

Project Name: Plainwell Mill
Client Project No. / P.O. No.:
Invoice To: ● Client ○ Other (comments)
Contact/Report To: Jeff Lifka - TTEMI

Analyses Requested

Schedule	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	Comp / Grab	Matrix	Total Metals* (soil)	Total CN, %S (soil)	SPLP-Metals* (soil)	SPLP-Cyanide (Soil)		Total CN (wtr)	Total Metals* (wtr)	LLHg (wtr)	Dissolved Metals*	Cont	Total	Sample Comments
										A	A	A	A		E	B	A	B			
										Container Type (corresponds to Container Packing List)											
										17	17	17	17		5	6	2	15			
										Number of Containers Submitted											
I (B)	~~WP~~	~~01~~	1	~~S-VAS-56394-DR-011810-1018~~	TM 1709	01-18-10	0955	GRAB	W							X				1	
H I	~~WP~~	~~02~~	2	~~S-VAS-56394-DR-011810-1018~~		01-18-10	0955	GRAB	W									X		1	FILTERED IN FIELD
~~04~~ A	(H) SO	01 ~~03~~	3	S-SO-56394-CB-011810-062		01-18-10	1345	Comp	S	X	X									1	
		02 ~~04~~	4	S-SO-56394-CB-011810-072		01-18-10	1615	Comp	S	X	X									1	
		03 ~~05~~	5	S-SO-56394-CB-011810-057		01-18-10	1125	Comp	S	X	X									1	
		04 ~~06~~	6	S-SO-56394-DR-011910-1024		01-19-10	1130	Comp	S	X	X									1	
		05 ~~07~~	7	S-SO-56394-CB-011910-077		01-19-10	0950	Comp	S	X	X									1	
		06 ~~08~~	8	SD-SO-56394-CB-011910-077		01-19-10	0950	Comp	S	X	X									1	
		07 ~~09~~ ~~08~~	9	S-SO-56394-CB-011910-081		01-19-10	1250	Comp	S	X	X									1	
		08 ~~10~~ ~~09~~	10	S-SO-56394-CB-011910-086		01-19-10	1520	Comp	S	X	X									1	

⇦ PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Sampled By (print): Robert Kondrack
Sampler's Signature: [signature]
Company: SulTRAC

How Shipped?
Tracking No.

Comments: Jeff gets summary report in 10 business days; DVP/CD in 20 business days. Jeff gets the invoice. EPA Region 5 EDD and EPA-SEDD for this project. *Metals: Al,Sb,As,Ba,Be,Cd,Cr,Co,Cu,Fe,Pb,Mg,Mn,Hg (soil/SPLP only), Ni,Se,Na,Tl,V,Zn.
No Na/Mg SPLP

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
[signature]	1-19-10	1750						

1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
						Kim Ziegler	1-19-10	1750

00015

TriMatrix Laboratories, Inc.

5560 Corporate Exchange Court SE Grand Rapids, MI 49512
Phone (616) 975-4500 Fax (616) 942-7463
www.trimatrixlabs.com

Chain of Custody Record

COC No. 06266

2-2-10 log in various SLP metal

log in all metal

PMD11810B

For Lab Use Only

Cart: 6

VOA Rack/Tray: 44-23

Receipt Log No.: ~~23-8~~

Project Chemist: Lisa Harvey

Work Order No.: 1002038 ~~1001286~~

Client Name: SulTRAC 2-22-10 / JEFF L.

Address: 1 S. Wacker Drive, Suite 3700, Chicago, IL 60606
SulTRAC EP-S5-06-02 WA006

Phone: 312-201-7491
Fax: 312-938-0118

Project Name: Plainwell Mill

Client Project No. / P.O. No.:

Invoice To: ● Client ○ Other (comments)

Contact/Report To: Jeff Lifka - TTEMI

Analyses Requested

Container Type (corresponds to Container Packing List)	A	A	A	A		E	B	A		
	Total Metals* (soil)	Total CN, %S (soil)	SPLP-Metals* (soil)	SPLP-Cyanide (Soil)		Total CN (wtr)	Total Metals* (wtr)	LLHg (wtr)		
Number of Containers Submitted	17	17	17	17		5	6	2		

⇦ PRESERVATIVES
- A NONE pH~7
- B HNO_3 pH<2
- C H_2SO_4 pH<2
- D 1+1 HCl pH<2
- E NaOH pH>12
- F ZnAc/NaOH pH>9
- G MeOH
- H Other (note below)

Schedule	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	Comp / Grab	Matrix	Total Metals* (soil)	Total CN, %S (soil)	SPLP-Metals* (soil)	SPLP-Cyanide (Soil)		Total CN (wtr)	Total Metals* (wtr)	LLHg (wtr)			Total	Sample Comments
~~A~~ K	SO	09 ~~01~~	1	S-SO-56394-CB-011910-090	TML 1265	1-19-10	1610	Comp	S	x	x									1	
		10 ~~02~~	2	S-SO-56394-CB-012010-094 (20)		1-20-10	1050	Comp	S	x	x									1	
		11 ~~03~~	3	S-SO-56394-CB-012010-099		1-20-10	1350	Comp	S	x	x									1	
L		12 ~~04~~	4	S-SO-56394-DR-012010-1051		1-20-10	0845	Comp	S	x	x									1	spike 6020
K		13 ~~05~~	5	S-SO-56394-DR-012010-1035		1-20-10	1210	Comp	S	x	x									1	
L		14 ~~06~~	6	S-SO-56394-DR-012010-1038		1-20-10	1400	Comp	S	x	x									1	Spike 6010 6020 Hg
~~B~~ K		15 ~~07~~	7	S-SO-56394-DR-012110-1045		1-21-10	0855	Comp	S	x	x									2	MS/MSD
~~A~~ K		16 ~~08~~	8	S-SO-56394-DR-012110-1049		1-21-10	1120	Comp	S	x	x									1	
L		17 ~~09~~	9	SD-SO-56394-DR-012110-1049		1-21-10	1125	Comp	S	x	x									1	Spike 6010 Hg
K		18 ~~10~~	10	S-SO-56394-DR-012110-1050		1-21-10	1340	Comp	S	x	x									1	

Sampled By (print): Robert Kondrech

Sampler's Signature: [signature]

Company:

How Shipped? Hand Delivered

Tracking No.:

Comments: Jeff gets summary report in 10 business days; DVP/CD in 20 business days. Jeff gets the invoice. EPA Region 5 EDD and EPA-SEDD for this project. *Metals: Al,Sb,As,Ba,Be,Cd,Cr,Co,Cu,Fe,Pb,Mg,Mn,Hg (soil/SPLP only), Ni,Se,Na,Tl,V,Zn.
No Na/Mg SPLP

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
[signature]	1-21-10	1755						

1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
						D. Nardin	1-21-10	17:55

00015

TriMatrix Laboratories, Inc.

5560 Corporate Exchange Court SE Grand Rapids, MI 49512
Phone (616) 975-4500 Fax (616) 942-7463
www.trimatrixlabs.com

Chain of Custody Record

COC No. 06267

★ Log in various SPLP metals

log in all metals

PM 011810.B

For Lab Use Only

Cart: 6

VOA Rack/Tray: 44-23

Receipt Log No.: ~~23-8~~

Project Chemist: Lisa Harvey

Work Order No.: 1002038 ~~1001286~~

Client Name: SulTRAC 2-22-10 / Jeff L.

Address: 1 S. Wacker Drive, Suite 3700, Chicago, IL 60606
SulTRAC EP-S5-06-02 WA006

Phone: 312-201-7491
Fax: 312-938-0118

Project Name: Plainwell Mill

Client Project No. / P.O. No.:

Invoice To: ● Client ○ Other (comments)

Contact/Report To: Jeff Lifka - TTEMI

Analyses Requested

Total Metals* (soil)	Total CN, %S (soil)	SPLP-Metals* (soil)	SPLP-Cyanide (Soil)		Total CN (wtr)	Total Metals* (wtr)	LLHg (wtr)		
A	A	A ★	A		E	B	A		
17	17	17	17		5	6	2		

Container Type (corresponds to Container Packing List)

Number of Containers Submitted

⇦ PRESERVATIVES
- A NONE pH~7
- B HNO_3 pH<2
- C H_2SO_4 pH<2
- D 1+1 HCl pH<2
- E NaOH pH>12
- F ZnAc/NaOH pH>9
- G MeOH
- H Other (note below)

Schedule	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	Comp / Grab	Matrix	Total Metals* (soil)	Total CN, %S (soil)	SPLP-Metals* (soil)	SPLP-Cyanide (Soil)		Total CN (wtr)	Total Metals* (wtr)	LLHg (wtr)			Total	Sample Comments
A (X)	SO ~~WP~~	19 ~~11~~	1	S-SO-56394-CB-012010-105	TM 1265	1-20-10	1630	Comp	S	X	X									1	
		20 ~~12~~	2	S-SO-56394-CB-012~~0~~21 10-107		1-21-10	0900	Comp	S	X	X									1	
		21 ~~13~~	3	S-SO-56394-CB-012~~0~~21 10-109		1-21-10	1000	Comp	S	X	X									1	
		22 ~~14~~	4	S-SO-56394-CB-012110-114		1-21-10	1120	Comp	S	X	X									1	
		23 ~~15~~	5	S-SO-56394-CB-012110-116		1-21-10	1310	Comp	S	X	X									1	
		24 ~~16~~	6	S-SO-56394-CB-012110-118		1-21-10	1410	Comp	S	X	X									1	
			7																		
			8																		
			9																		
			10																		

Sampled By (print): Robert Kondrek

Sampler's Signature: [signature]

Company:

How Shipped? Hand Delivered

Tracking No.:

Comments: Jeff gets summary report in 10 business days; DVP/CD in 20 business days. Jeff gets the invoice. EPA Region 5 EDD and EPA-SEDD for this project. *Metals: Al,Sb,As,Ba,Be,Cd,Cr,Co,Cu,Fe,Pb,Mg,Mn,Hg (soil/SPLP only), Ni,Se,Na,Tl,V,Zn.

No Na/mg SPLP

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
[signature]	1-21-10	1755						

1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
						D. Nardin	1-21-10	17:55

00017

Relog 1001372

TriMatrix Laboratories, Inc.

SAMPLE RECEIVING / LOG-IN CHECKLIST

Client: SULTRAC | Project-Submittal No.: New / Add To 1001254
Receipt Record Page/Line No.: 19-1735-4 | Project Chemist: MM | Sample Nos.: 01-10

Coolers Received

Recorded by (initials/date): DN 1-19-10

☑ Cooler ☐ Box ☐ Other ____ | Qty Received: 1

☑ IR Gun (#202) | Thermometer Used ☐ Digital Thermometer (#54) ☐ Other (# ____) | ☐ See Additional Cooler Information Form

Cooler No. / Time	Cooler No. / Time	Cooler No. / Time	Cooler No. / Time
TM170918:00			
Custody Seals:	**Custody Seals:**	**Custody Seals:**	**Custody Seals:**
☑ None	☐ None	☐ None	☐ None
☐ Present / Intact	☐ Present / Intact	☐ Present / Intact	☐ Present / Intact
☐ Present / Not Intact	☐ Present / Not Intact	☐ Present / Not Intact	☐ Present / Not Intact
Coolant Location:	**Coolant Location:**	**Coolant Location:**	**Coolant Location:**
Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom
Coolant/Temperature Taken Via:	**Coolant/Temperature Taken Via:**	**Coolant/Temperature Taken Via:**	**Coolant/Temperature Taken Via:**
☑ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers
☐ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers
☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers
☐ None / Avg 2-3 containers	☐ None / Avg 2-3 containers	☐ None / Avg 2-3 containers	☐ None / Avg 2-3 containers
Alternate Temperature Taken Via:	**Alternate Temperature Taken Via:**	**Alternate Temperature Taken Via:**	**Alternate Temperature Taken Via:**
☑ Temperature Blank (TB)	☐ Temperature Blank (TB)	☐ Temperature Blank (TB)	☐ Temperature Blank (TB)
☐ 1 Container	☐ 1 Container	☐ 1 Container	☐ 1 Container
Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C
Temp Blank: 0 / 3.2	Temp Blank:	Temp Blank:	Temp Blank:
TB location: Representative / Not Representative	TB location: Representative / Not Representative	TB location: Representative / Not Representative	TB location: Representative / Not Representative
1 6.1 / 0 / 6.1	1	1	1
2 4.2 / 0 / 4.2	2	2	2
3 5.8 / 0 / 5.8	3	3	3
Average °C: 5.4	Average °C	Average °C	Average °C
☑ Cooler ID on COC?	☐ Cooler ID on COC?	☐ Cooler ID on COC?	☐ Cooler ID on COC?
☐ VOC Trip Blank received?	☐ VOC Trip Blank received?	☐ VOC Trip Blank received?	☐ VOC Trip Blank received?

If any shaded areas checked, complete Sample Receiving Non-Conformance Form

Paperwork Received

☐ No COC Received

N/A	Yes	No	
	☑	☐	Chain of Custody record(s)?
	☐		If No, COC Initiated By ____
	☑		Rec'd for Lab Signed/Date/Time?
☑	☐		Shipping document?
☑	☐		Other ____

COC ID Nos. 06255

☑ TriMatrix

☐ Other (Name or ID#) ____

Check COC for Accuracy

☐ No analysis requested

Yes	No	
☑	☐	Sample ID matches COC?
☑	☐	Sample Date and Time matches COC?
☑		Container type completed on COC?
☑	☐	All container types indicated are received?

Sample Condition Summary

☐ Non-TriMatrix containers, see Notes

N/A	Yes	No	
	☐	☑	Broken containers/lids?
	☐	☑	Missing or incomplete labels?
	☐	☑	Illegible information on labels?
	☐	☑	Low volume received?
	☐	☑	Inappropriate containers received?
☑	☐	☐	VOC vials / TOX containers have headspace?
☑	☐	☐	Extra sample locations / containers not listed on COC?

Check Sample Preservation

N/A	Yes	No	
	☑	☐	Average sample temperature ≤6° C?
☐	☑		Completed Sample Preservation Verification Form?
☐	☑	☐	Samples preserved correctly?
☑	☐		If "No", added orange tag?
☑	☐		Received pre-preserved VOC soils? ☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

☐ Bacteriological
☐ Air Bags
☐ EnCores / Methanol Pre-Preserved
☐ Formaldehyde/Aldehyde
☐ Green-tagged containers
☐ Yellow/White-tagged 1L ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)
☑ NONE RECEIVED
☐ RECEIVED, COCs TO LAB(S)

Notes

☐ Trip Blank received ☐ Trip Blank not listed on COC
☐ No COC received, Proj. Chemist reviewed (Init/Date) ____
☐ No analysis requested, Proj. Chemist completed (Init/Date) ____

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
DN 1-19-10	DN 1-19-10	Yes / No

Re Log E-1001372

TriMatrix Laboratories, Inc.

SAMPLE RECEIVING / LOG-IN CHECKLIST

Client: SUITRAC | Project-Submittal No.: New / Add To 1001290
Receipt Record Page/Line No.: 23-8 (35-4) | Project Chemist: CMA | Sample Nos.: 01-10

Coolers Received

Recorded by (initials/date): DN 1-21-10

☑ Cooler ☐ Box ☐ Other ____ | Qty Received: 1

☑ IR Gun (#202) | Thermometer Used ☐ Digital Thermometer (#54) ☐ Other (#____) | ☐ See Additional Cooler Information Form

Cooler No. 1	Cooler No.	Cooler No.	Cooler No.
Time: 1112.5 / 1830	Time:	Time:	Time:
Custody Seals:	**Custody Seals:**	**Custody Seals:**	**Custody Seals:**
☑ None	☐ None	☐ None	☐ None
☐ Present / Intact	☐ Present / Intact	☐ Present / Intact	☐ Present / Intact
☐ Present / Not Intact	☐ Present / Not Intact	☐ Present / Not Intact	☐ Present / Not Intact
Coolant Location: SWOW	**Coolant Location:**	**Coolant Location:**	**Coolant Location:**
Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom
Coolant/Temperature Taken Via:	**Coolant/Temperature Taken Via:**	**Coolant/Temperature Taken Via:**	**Coolant/Temperature Taken Via:**
☐ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers
☑ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers
☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers
☐ None / Avg 2-3 containers	☐ None / Avg 2-3 containers	☐ None / Avg 2-3 containers	☐ None / Avg 2-3 containers
Alternate Temperature Taken Via:	**Alternate Temperature Taken Via:**	**Alternate Temperature Taken Via:**	**Alternate Temperature Taken Via:**
☑ Temperature Blank (TB)	☐ Temperature Blank (TB)	☐ Temperature Blank (TB)	☐ Temperature Blank (TB)
☐ 1 Container	☐ 1 Container	☐ 1 Container	☐ 1 Container

Recorded °C	Correction Factor °C	Actual °C
Temp Blank:	0	2.3
TB location: Representative / Not Representative		
1: 4.5	0	4.5
2: 4.1	0	4.1
3: 5.4	0	5.4
Average °C		4.7
☑ Cooler ID on COC?		
☐ VOC Trip Blank received?		

Recorded °C	Correction Factor °C	Actual °C
Temp Blank:		
TB location: Representative / Not Representative		
1		
2		
3		
Average °C		
☐ Cooler ID on COC?		
☐ VOC Trip Blank received?		

Recorded °C	Correction Factor °C	Actual °C
Temp Blank:		
TB location: Representative / Not Representative		
1		
2		
3		
Average °C		
☐ Cooler ID on COC?		
☐ VOC Trip Blank received?		

Recorded °C	Correction Factor °C	Actual °C
Temp Blank:		
TB location: Representative / Not Representative		
1		
2		
3		
Average °C		
☐ Cooler ID on COC?		
☐ VOC Trip Blank received?		

If any shaded areas checked, complete Sample Receiving Non-Conformance Forms

Paperwork Received

☐ No COC Received

N/A	Yes	No	
	☑	☐	Chain of Custody record(s)?
	☐		If No, COC Initiated By ____
	☑		Rec'd for Lab Signed/Date/Time?
☑	☐		Shipping document?
☑	☐		Other ____

COC ID Nos.

☑ TriMatrix 04246, 04247

☐ Other (Name or ID#) ____

Check COC for Accuracy

☐ No analysis requested

Yes	No	
☑	☐	Sample ID matches COC?
☑	☐	Sample Date and Time matches COC?
☑		Container type completed on COC?
☑	☐	All container types indicated are received?

Sample Condition Summary

☐ Non-TriMatrix containers, see Notes

N/A	Yes	No	
	☐	☑	Broken containers/lids?
	☐	☑	Missing or incomplete labels?
	☐	☑	Illegible information on labels?
	☐	☑	Low volume received?
	☐	☑	Inappropriate containers received?
☑	☐	☐	VOC vials / TOX containers have headspace?
☑	☐	☐	Extra sample locations / containers not listed on COC?

Check Sample Preservation

N/A	Yes	No	
	☑	☐	Average sample temperature ≤6° C?
☑	☐		Completed Sample Preservation Verification Form?
☑	☐		Samples preserved correctly?
☑	☐		If "No", added orange tag?
☑	☐		Received pre-preserved VOC soils?

☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

☐ Bacteriological
☐ Air Bags
☐ EnCores / Methanol Pre-Preserved
☐ Formaldehyde/Aldehyde
☐ Green-tagged containers
☐ Yellow/White-tagged 1L ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)
☑ NONE RECEIVED
☐ RECEIVED, COCs TO LAB(S)

Notes

☐ Trip Blank received ☐ Trip Blank not listed on COC
☐ No COC received, Proj. Chemist reviewed (Init/Date) ____
☐ No analysis requested, Proj. Chemist completed (Init/Date) ____

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
DN 1-21-10	DN 1-21-10	Yes / No

TriMatrix Laboratories, Inc.

SAMPLE RECEIVING / LOG-IN CHECKLIST

Client: SulfRaC | Project-Submittal No.: 1002038 / 1001254
Receipt Record Page/Line No.: 19-17 44-23 | New / Add To | Project Chemist: SMH | Sample Nos.: 01-24

Coolers Received

Recorded by (initials/date): JN 1-19-10

☑ Cooler ☐ Box ☐ Other _____ | Qty Received: 1

Thermometer Used: ☑ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (#_____) | ☐ See Additional Cooler Information Form

Cooler No. / Time	Cooler No. / Time	Cooler No. / Time	Cooler No. / Time
TM170918:00			
Custody Seals:	**Custody Seals:**	**Custody Seals:**	**Custody Seals:**
☑ None	☐ None	☐ None	☐ None
☐ Present / Intact	☐ Present / Intact	☐ Present / Intact	☐ Present / Intact
☐ Present / Not Intact	☐ Present / Not Intact	☐ Present / Not Intact	☐ Present / Not Intact
Coolant Location:	**Coolant Location:**	**Coolant Location:**	**Coolant Location:**
Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom
Coolant/Temperature Taken Via:	**Coolant/Temperature Taken Via:**	**Coolant/Temperature Taken Via:**	**Coolant/Temperature Taken Via:**
☑ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers
☐ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers
☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers
☐ None / Avg 2-3 containers	☐ None / Avg 2-3 containers	☐ None / Avg 2-3 containers	☐ None / Avg 2-3 containers
Alternate Temperature Taken Via:	**Alternate Temperature Taken Via:**	**Alternate Temperature Taken Via:**	**Alternate Temperature Taken Via:**
☑ Temperature Blank (TB)	☐ Temperature Blank (TB)	☐ Temperature Blank (TB)	☐ Temperature Blank (TB)
☐ 1 Container	☐ 1 Container	☐ 1 Container	☐ 1 Container
Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C
Temp Blank: 0 / 3.2	Temp Blank:	Temp Blank:	Temp Blank:
TB location: Representative / Not Representative	TB location: Representative / Not Representative	TB location: Representative / Not Representative	TB location: Representative / Not Representative
1 6.1 / 0 / 6.1	1	1	1
2 4.2 / 0 / 4.2	2	2	2
3 5.8 / 0 / 5.8	3	3	3
Average °C: 5.4	Average °C	Average °C	Average °C
☑ Cooler ID on COC?	☐ Cooler ID on COC?	☐ Cooler ID on COC?	☐ Cooler ID on COC?
☐ VOC Trip Blank received?	☐ VOC Trip Blank received?	☐ VOC Trip Blank received?	☐ VOC Trip Blank received?

If any shaded areas checked, complete Sample Receiving Non-Conformance Form

Paperwork Received

☐ No COC Received

N/A	Yes	No	
	☑	☐	**Chain of Custody record(s)?**
	☐		If No, COC Initiated By _____
	☑		Rec'd for Lab Signed/Date/Time?
☑	☐		Shipping document?
☑	☐		Other _____

COC ID Nos. 06255

☑ TriMatrix

☐ Other (Name or ID#)_____

Check COC for Accuracy

☐ No analysis requested

Yes	No	
☑	☐	Sample ID matches COC?
☑	☐	Sample Date and Time matches COC?
☑		Container type completed on COC?
☑	☐	All container types indicated are received?

Sample Condition Summary

☐ Non-TriMatrix containers, see Notes

N/A	Yes	No	
	☐	☑	Broken containers/lids?
	☐	☑	Missing or incomplete labels?
	☐	☑	Illegible information on labels?
	☐	☑	Low volume received?
	☐	☑	Inappropriate containers received?
☑	☐	☐	VOC vials / TOX containers have headspace?
☑	☐	☐	Extra sample locations / containers not listed on COC?

Check Sample Preservation

N/A	Yes	No	
	☑	☐	Average sample temperature ≤6° C?
☐	☑		Completed Sample Preservation Verification Form?
☐	☑	☐	Samples preserved correctly?
☑	☐		If "No", added orange tag?
☑	☐		Received pre-preserved VOC soils?

☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

☐ Bacteriological
☐ Air Bags
☐ EnCores / Methanol Pre-Preserved
☐ Formaldehyde/Aldehyde
☐ Green-tagged containers
☐ Yellow/White-tagged 1L ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)
☑ NONE RECEIVED
☐ RECEIVED, COCs TO LAB(S)

Notes

☐ Trip Blank received ☐ Trip Blank not listed on COC
☐ No COC received, Proj. Chemist reviewed (Init/Date) _____
☐ No analysis requested, Proj. Chemist completed (Init/Date) _____

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
JN 1-19-10	JN 1-19-10	Yes / No

TriMatrix Laboratories, Inc.

SAMPLE RECEIVING / LOG-IN CHECKLIST

Client: SUBTRAC | Project-Submittal No.: 1002038 1001296
Receipt Record Page/Line No.: 23-8 44-23 | New / Add To | Project Chemist: MH | Sample Nos.: 01-16 01-24

Coolers Received

Recorded by (initials/date): DN 1-21-10

☑ Cooler ☐ Box ☐ Other _____ | Qty Received: 1

☑ IR Gun (#202) | Thermometer Used ☐ Digital Thermometer (#54) ☐ See Additional Cooler Information Form | ☐ Other (#_____)

Cooler No. / Time	Cooler No. / Time	Cooler No. / Time	Cooler No. / Time
11026.5 / 1830			
Custody Seals:	**Custody Seals:**	**Custody Seals:**	**Custody Seals:**
☑ None	☐ None	☐ None	☐ None
☐ Present / Intact	☐ Present / Intact	☐ Present / Intact	☐ Present / Intact
☐ Present / Not Intact	☐ Present / Not Intact	☐ Present / Not Intact	☐ Present / Not Intact
Coolant Location: SWOW	**Coolant Location:**	**Coolant Location:**	**Coolant Location:**
Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom
Coolant/Temperature Taken Via:	**Coolant/Temperature Taken Via:**	**Coolant/Temperature Taken Via:**	**Coolant/Temperature Taken Via:**
☐ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers
☑ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers
☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers
☐ None / Avg 2-3 containers	☐ None / Avg 2-3 containers	☐ None / Avg 2-3 containers	☐ None / Avg 2-3 containers
Alternate Temperature Taken Via:	**Alternate Temperature Taken Via:**	**Alternate Temperature Taken Via:**	**Alternate Temperature Taken Via:**
☑ Temperature Blank (TB)	☐ Temperature Blank (TB)	☐ Temperature Blank (TB)	☐ Temperature Blank (TB)
☐ 1 Container	☐ 1 Container	☐ 1 Container	☐ 1 Container

Recorded °C	Correction Factor °C	Actual °C
Temp Blank:	0	2.3
TB location: Representative / Not Representative		
1 4.5	0	4.5
2 4.1	0	4.1
3 5.4	0	5.4
	Average °C	4.7
☑ Cooler ID on COC?		
☐ VOC Trip Blank received?		

Recorded °C	Correction Factor °C	Actual °C
Temp Blank:		
TB location: Representative / Not Representative		
1		
2		
3		
	Average °C	
☐ Cooler ID on COC?		
☐ VOC Trip Blank received?		

Recorded °C	Correction Factor °C	Actual °C
Temp Blank:		
TB location: Representative / Not Representative		
1		
2		
3		
	Average °C	
☐ Cooler ID on COC?		
☐ VOC Trip Blank received?		

Recorded °C	Correction Factor °C	Actual °C
Temp Blank:		
TB location: Representative / Not Representative		
1		
2		
3		
	Average °C	
☐ Cooler ID on COC?		
☐ VOC Trip Blank received?		

If any shaded areas checked, complete Sample Receiving Non-Conformance Form.

Paperwork Received

☐ No COC Received

N/A	Yes	No	
	☑	☐	Chain of Custody record(s)?
	☐		If No, COC Initiated By _____
	☑		Rec'd for Lab Signed/Date/Time?
☑	☐		Shipping document?
☑	☐		Other _____

COC ID Nos.

☑ TriMatrix 04266, 04267

☐ Other (Name or ID#)_____

Check COC for Accuracy

☐ No analysis requested

Yes	No	
☑	☐	Sample ID matches COC?
☑	☐	Sample Date and Time matches COC?
☑		Container type completed on COC?
☑	☐	All container types indicated are received?

Sample Condition Summary

☐ Non-TriMatrix containers, see Notes

N/A	Yes	No	
	☐	☑	Broken containers/lids?
	☐	☑	Missing or incomplete labels?
	☐	☑	Illegible information on labels?
	☐	☑	Low volume received?
	☐	☑	Inappropriate containers received?
☑	☐	☐	VOC vials / TOX containers have headspace?
☑	☐	☐	Extra sample locations / containers not listed on COC?

Check Sample Preservation

N/A	Yes	No	
	☑	☐	Average sample temperature ≤6° C?
☑	☐		Completed Sample Preservation Verification Form?
☑	☐	☐	Samples preserved correctly?
☑	☐		If "No", added orange tag?
☑	☐		Received pre-preserved VOC soils?

☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

☐ Bacteriological
☐ Air Bags
☐ EnCores / Methanol Pre-Preserved
☐ Formaldehyde/Aldehyde
☐ Green-tagged containers
☐ Yellow/White-tagged 1L ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)
☑ NONE RECEIVED
☐ RECEIVED, COCs TO LAB(S)

Notes

☐ Trip Blank received ☐ Trip Blank not listed on COC
☐ No COC received, Proj. Chemist reviewed (Init/Date) _____
☐ No analysis requested, Proj. Chemist completed (Init/Date) _____

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
DN 1-21-10	DN 1-21-10 1821	Yes / No

TRIMATRIX LABORATORIES

SECTION - B

INTERNAL COC RECORDS

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.

Internal Chain of Custody --- Work Order # **1002038**

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Metals**

Analysis: 3010A 3LP Digestion Extraction 1311

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002038-01 S-SO-56394-CB-011810-062	A	Ma Scott	02-04-10 1000 AM	02-04-10 145 pm	ND	A01
1002038-02 S-SO-56394-CB-011810-072	A					
1002038-03 S-SO-56394-CB-011810-057	A					
1002038-04 S-SO-56394-DR-011910-1024	A					
1002038-05 S-SO-56394-CB-011910-077	A					
1002038-06 SD-SO-56394-CB-011910-077	A					
1002038-07 S-SO-56394-CB-011910-081	A	〃	〃	〃	〃	〃
1002038-08 S-SO-56394-CB-011910-086	A					
1002038-09 S-SO-56394-CB-011910-090	A					
1002038-10 S-SO-56394-CB-012010-094	A					
1002038-11 S-SO-56394-CB-012010-099	A					
1002038-12 S-SO-56394-DR-012010-1031	A					
1002038-13 S-SO-56394-DR-012010-1035	A					
1002038-14 S-SO-56394-DR-012010-1038	A	Ma Scott	02-04-10 1000 Am	02-04-10 145 pm	No	A01

02000

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Metals** Analysis: 3020A ~~SLP Digestion~~ Extraction 1311

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002038-15 S-SO-56394-DR-012110-1045	A	Ma Scott	02-04-10 10 Am	02-04-10 1 45 Pm	NO	A01
1002038-16 S-SO-56394-DR-012110-1049	A					
1002038-17 SD-SO-56394-DR-012110-1049	A					
1002038-18 S-SO-56394-DR-012110-1050	A					
1002038-19 S-SO-56394-CB-012010-105	A	BS	BS	BS	BS	BS
1002038-20 S-SO-56394-CB-012110-107	A					
1002038-21 S-SO-56394-CB-012110-109	A					
1002038-22 S-SO-56394-CB-012110-114	A					
1002038-23 S-SO-56394-CB-012110-116	A					
1002038-24 S-SO-56394-CB-012110-118	A	Ma Scott	02-04-10 10 Am	02-04-10 1 45 Pm	NO	A01

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Metals**

Analysis: 3010A - SPLP Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002038-01 S-SO-56394-CB-011810-062	A01	Ma Scott	2-8-10 7:00Am	2-8-10 4:00pm	no	A02
1002038-02 S-SO-56394-CB-011810-072						
1002038-03 S-SO-56394-CB-011810-057						
1002038-04 S-SO-56394-DR-011910-1024						
1002038-05 S-SO-56394-CB-011910-077						
1002038-06 SD-SO-56394-CB-011910-077						
1002038-07 S-SO-56394-CB-011910-081	"	"	"	"	"	"
1002038-08 S-SO-56394-CB-011910-086						
1002038-09 S-SO-56394-CB-011910-090						
1002038-10 S-SO-56394-CB-012010-094						
1002038-11 S-SO-56394-CB-012010-099						
1002038-12 S-SO-56394-DR-012010-1031						
1002038-13 S-SO-56394-DR-012010-1035						
1002038-14 S-SO-56394-DR-012010-1038	A01	Ma Scott	2-8-10 7:00Am	2-8-10 4:00pm	no	A02

00025

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Metals** Analysis: 3010A Splp Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002038-15 S-SO-56394-DR-012110-1045	A01	Ma Scott	2-8-10 7:00Am	2-8-10 4:00pm	no	A02
1002038-16 S-SO-56394-DR-012110-1049	A01	Ma Scott	2-8-10 7:00Am	2-8-10 4:00pm	no	A02
1002038-17 SD-SO-56394-DR-012110-1049						
1002038-18 S-SO-56394-DR-012110-1050						
1002038-19 S-SO-56394-CB-012010-105						
1002038-20 S-SO-56394-CB-012110-107						
1002038-21 S-SO-56394-CB-012110-109						
1002038-22 S-SO-56394-CB-012110-114						
1002038-23 S-SO-56394-CB-012110-116						
1002038-24 S-SO-56394-CB-012110-118						

Internal Chain of Custody --- Work Order # **1002038**

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Metals**

Analysis: ICP 6010B

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002038-01 S-SO-56394-CB-011810-062	A02	Joanne Fay	2/8/10 4:00pm	2/9/10 2:35pm	NO	
1002038-02 S-SO-56394-CB-011810-072						
1002038-03 S-SO-56394-CB-011810-057						
1002038-04 S-SO-56394-DR-011910-1024						
1002038-05 S-SO-56394-CB-011910-077						
1002038-06 SD-SO-56394-CB-011910-077	A02	Joanne Fay	2/8/10 4:00pm	2/9/10 2:35pm	NO	
1002038-07 S-SO-56394-CB-011910-081						
1002038-08 S-SO-56394-CB-011910-086						
1002038-09 S-SO-56394-CB-011910-090						
1002038-10 S-SO-56394-CB-012010-094						
1002038-11 S-SO-56394-CB-012010-099						
1002038-12 S-SO-56394-DR-012010-1031						
1002038-13 S-SO-56394-DR-012010-1035						
1002038-14 S-SO-56394-DR-012010-1038	A02	Joanne Fay	2/8/10 4:00pm	2/9/10 2:35pm	NO	

Internal Chain of Custody --- Work Order # **1002038**

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Metals**

Analysis: TCLP 6010B

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002038-15 S-SO-56394-DR-012110-1045	A02	Joanne Jaf	2/8/10 4:00pm	2/9/10 2:35pm	NO	
1002038-16 S-SO-56394-DR-012110-1049	A02	Joanne Jaf	2/8/10 4:00pm	2/9/10 2:35pm	NO	
1002038-17 SD-SO-56394-DR-012110-1049						
1002038-18 S-SO-56394-DR-012110-1050						
1002038-19 S-SO-56394-CB-012010-105						
1002038-20 S-SO-56394-CB-012110-107						
1002038-21 S-SO-56394-CB-012110-109						
1002038-22 S-SO-56394-CB-012110-114						
1002038-23 S-SO-56394-CB-012110-116						
1002038-24 S-SO-56394-CB-012110-118						

00028

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Metals** Analysis: 3010A SPLP Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002038-15 S-SO-56394-DR-012110-1045						
1002038-16 S-SO-56394-DR-012110-1049						
1002038-17 SD-SO-56394-DR-012110-1049	A01	Mark Scott	2-8-10 7:00Am	2-8-10 4:00pm	no	A02
1002038-18 S-SO-56394-DR-012110-1050						
1002038-19 S-SO-56394-CB-012010-105						
1002038-20 S-SO-56394-CB-012110-107	"	"	"	"	"	"
1002038-21 S-SO-56394-CB-012110-109						
1002038-22 S-SO-56394-CB-012110-114						
1002038-23 S-SO-56394-CB-012110-116	↓	↓	↓	↓	↓	↓
1002038-24 S-SO-56394-CB-012110-118	A01	Mark Scott	2-8-10 7:00Am	2-8-10 4:00pm	no	A02

00029

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Metals** Analysis: TCP 6010B

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002038-15 S-SO-56394-DR-012110-1045						
1002038-16 S-SO-56394-DR-012110-1049						
1002038-17 SD-SO-56394-DR-012110-1049	A02	Jeanne Jay	2/8/10 4:00pm	2/9/10 2:35pm	NO	
1002038-18 S-SO-56394-DR-012110-1050						
1002038-19 S-SO-56394-CB-012010-105						
1002038-20 S-SO-56394-CB-012110-107						
1002038-21 S-SO-56394-CB-012110-109						
1002038-22 S-SO-56394-CB-012110-114						
1002038-23 S-SO-56394-CB-012110-116						
1002038-24 S-SO-56394-CB-012110-118	A02	Jeanne Jay	2/8/10 4:00pm	2/9/10 2:35pm	NO	

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Metals**

Analysis: 3020A ICP Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002038-01 S-SO-56394-CB-011810-062	A01	Ma Scott	2-8-10 7:00Am	2-8-10 4:00pm	no	A03
1002038-02 S-SO-56394-CB-011810-072						
1002038-03 S-SO-56394-CB-011810-057						
1002038-04 S-SO-56394-DR-011910-1024						
1002038-05 S-SO-56394-CB-011910-077						
1002038-06 SD-SO-56394-CB-011910-077	"	"	"	"	"	"
1002038-07 S-SO-56394-CB-011910-081						
1002038-08 S-SO-56394-CB-011910-086						
1002038-09 S-SO-56394-CB-011910-090						
1002038-10 S-SO-56394-CB-012010-094						
1002038-11 S-SO-56394-CB-012010-099						
1002038-12 S-SO-56394-DR-012010-1031						
1002038-13 S-SO-56394-DR-012010-1035	A01	Ma Scott	2/8/10 7:00Am	2/8/10 4:00pm	no	A03
1002038-14 S-SO-56394-DR-012010-1038						

00031

Internal Chain of Custody --- Work Order # **1002038**

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Metals**

Analysis: ICPMS 6020A

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002038-01 S-SO-56394-CB-011810-062	A03		2-08-10 4:00 PM	2-23-10 1:00 AM	NO	
1002038-02 S-SO-56394-CB-011810-072						
1002038-03 S-SO-56394-CB-011810-057						
1002038-04 S-SO-56394-DR-011910-1024						
1002038-05 S-SO-56394-CB-011910-077						
1002038-06 SD-SO-56394-CB-011910-077						
1002038-07 S-SO-56394-CB-011910-081						
1002038-08 S-SO-56394-CB-011910-086						
1002038-09 S-SO-56394-CB-011910-090						
1002038-10 S-SO-56394-CB-012010-094						
1002038-11 S-SO-56394-CB-012010-099						
1002038-12 S-SO-56394-DR-012010-1031						
1002038-13 S-SO-56394-DR-012010-1035	A03		2-08-10 4:00 PM	2-23-10 1:00 AM	NO	
1002038-14 S-SO-56394-DR-012010-1038						

00032

Internal Chain of Custody --- Work Order # **1002038**

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Metals**

Analysis: 200.8 ICP-MS Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002038-01 S-SO-56394-CB-011810-062						
1002038-02 S-SO-56394-CB-011810-072						
1002038-03 S-SO-56394-CB-011810-057						
1002038-04 S-SO-56394-DR-011910-1024						
1002038-05 S-SO-56394-CB-011910-077						
1002038-06 SD-SO-56394-CB-011910-077						
1002038-07 S-SO-56394-CB-011910-081						
1002038-08 S-SO-56394-CB-011910-086						
1002038-09 S-SO-56394-CB-011910-090						
1002038-10 S-SO-56394-CB-012010-094						
1002038-11 S-SO-56394-CB-012010-099						
1002038-12 S-SO-56394-DR-012010-1031						
1002038-13 S-SO-56394-DR-012010-1035						
1002038-14 S-SO-56394-DR-012010-1038	A01	MA Scott	2-8-10 7:00Am	2-8-10 4:00pm	no	A03

00033

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Metals** Analysis: 3020A SPLP Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002038-15 S-SO-56394-DR-012110-1045						
1002038-16 S-SO-56394-DR-012110-1049						
1002038-17 SD-SO-56394-DR-012110-1049						
1002038-18 S-SO-56394-DR-012110-1050	A 01	ma Scott	2-8-10 7:00Am	2-8-10 4:00pm	no	A 03
1002038-19 S-SO-56394-CB-012010-105						
1002038-20 S-SO-56394-CB-012110-107						
1002038-21 S-SO-56394-CB-012110-109						
1002038-22 S-SO-56394-CB-012110-114						
1002038-23 S-SO-56394-CB-012110-116						
1002038-24 S-SO-56394-CB-012110-118	A01	ma Scott	2-8-10 7:00Am	2-8-10 4:00pm	no	A 03

00034

Internal Chain of Custody --- Work Order # **1002038**

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Metals**

Analysis: ICP-MS 6020A

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002038-01 S-SO-56394-CB-011810-062						
1002038-02 S-SO-56394-CB-011810-072						
1002038-03 S-SO-56394-CB-011810-057						
1002038-04 S-SO-56394-DR-011910-1024						
1002038-05 S-SO-56394-CB-011910-077						
1002038-06 SD-SO-56394-CB-011910-077						
1002038-07 S-SO-56394-CB-011910-081						
1002038-08 S-SO-56394-CB-011910-086						
1002038-09 S-SO-56394-CB-011910-090						
1002038-10 S-SO-56394-CB-012010-094						
1002038-11 S-SO-56394-CB-012010-099						
1002038-12 S-SO-56394-DR-012010-1031						
1002038-13 S-SO-56394-DR-012010-1035						
1002038-14 S-SO-56394-DR-012010-1038	A03	Denise Coppy	2-08-10 4:00 PM	2-23-10 1:00 AM	NO	

00035

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Metals**

Analysis: ICP-MS 6020A

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002038-15 S-SO-56394-DR-012110-1045	AO3	Denise Cooper	2-08-10 4:00 pm	2-23-10 1:00 AM	NO	
1002038-16 S-SO-56394-DR-012110-1049						
1002038-17 SD-SO-56394-DR-012110-1049						
1002038-18 S-SO-56394-DR-012110-1050						
1002038-19 S-SO-56394-CB-012010-105						
1002038-20 S-SO-56394-CB-012110-107	do	do	do	do	do	
1002038-21 S-SO-56394-CB-012110-109						
1002038-22 S-SO-56394-CB-012110-114						
1002038-23 S-SO-56394-CB-012110-116						
1002038-24 S-SO-56394-CB-012110-118	AO3	Denise Cooper	2-08-10 4:00 pm	2-23-10 1:00 AM	NO	

00036

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Metals**

Analysis: Hg 7470A Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002038-01 S-SO-56394-CB-011810-062	A01	Ma Scott	2-9-10 1:00pm	2-9-10 3:00pm	no	A04
1002038-02 S-SO-56394-CB-011810-072	A01	"	"	"	"	"
1002038-03 S-SO-56394-CB-011810-057	A01	"	"	"	"	"
1002038-04 S-SO-56394-DR-011910-1024	A01	Ma Scott	2-9-10 1:00pm	2-9-10 3:00pm	no	A04
1002038-05 S-SO-56394-CB-011910-077						
1002038-06 SD-SO-56394-CB-011910-077	A01	Ma Scott	2-9-10 1:00pm	2-9-10 3:00pm	no	A04
1002038-07 S-SO-56394-CB-011910-081	"	"	"	"	"	"
1002038-08 S-SO-56394-CB-011910-086	A01	Ma Scott	2-9-10 1:00pm	2-9-10 3:00pm	no	A04
1002038-09 S-SO-56394-CB-011910-090						
1002038-10 S-SO-56394-CB-012010-094						
1002038-11 S-SO-56394-CB-012010-099						
1002038-12 S-SO-56394-DR-012010-1031	A01	Ma Scott	2-9-10 1:00pm	2-9-10 3:00pm	no	A04
1002038-13 S-SO-56394-DR-012010-1035						
1002038-14 S-SO-56394-DR-012010-1038	A01	Ma Scott	2-9-10 1:00pm	2-9-10 3:00pm	no	A04

00037

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Metals**

Analysis: Hg 7470A Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002038-15 S-SO-56394-DR-012110-1045						
1002038-16 S-SO-56394-DR-012110-1049	A01	Ma Scott	2-9-10 1:00pm	2-9-10 3:00pm	no	A04
1002038-17 SD-SO-56394-DR-012110-1049	A01	Ma Scott	2-9-10 1:00pm	2-9-10 3:00pm	no	A04
1002038-18 S-SO-56394-DR-012110-1050						
1002038-19 S-SO-56394-CB-012010-105	A01	Ma Scott	2-9-10 1:00pm	2-9-10 3:00pm	no	A04
1002038-20 S-SO-56394-CB-012110-107						
1002038-21 S-SO-56394-CB-012110-109	A01	Ma Scott	2-9-10 1:00pm	2-9-10 3:00pm	no	A04
1002038-22 S-SO-56394-CB-012110-114	″	″	″	″	″	″
1002038-23 S-SO-56394-CB-012110-116	″	″	″	″	″	″
1002038-24 S-SO-56394-CB-012110-118	A01	Ma Scott	2-9-10 1:00pm	2-9-10 3:00pm	no	A04

00038

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Metals**

Analysis: Hg 7470A

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002038-01 S-SO-56394-CB-011810-062	AOU	Denise Cotter	2-09-10 3:00 PM	2-10-10 5:30 PM	YES	
1002038-02 S-SO-56394-CB-011810-072	AOU	"	"	"	"	
1002038-03 S-SO-56394-CB-011810-057	AOU	"	"	"	"	
1002038-04 S-SO-56394-DR-011910-1024	AOU	Denise Cotter	2-09-10 3:00 PM	2-10-10 5:30 PM	YES	
1002038-05 S-SO-56394-CB-011910-077						
1002038-06 SD-SO-56394-CB-011910-077	AOU	Denise Cotter	2-09-10 3:00 PM	2-10-10 5:30 PM	YES	
1002038-07 S-SO-56394-CB-011910-081	AOU	"	"	"	"	
1002038-08 S-SO-56394-CB-011910-086	AOU	Denise Cotter	2-09-10 3:00 PM	2-10-10 5:30 PM	YES	
1002038-09 S-SO-56394-CB-011910-090						
1002038-10 S-SO-56394-CB-012010-094						
1002038-11 S-SO-56394-CB-012010-099						
1002038-12 S-SO-56394-DR-012010-1031	AOU	Denise Cotter	2-09-10 3:00 PM	2-10-10 5:30 PM	YES	
1002038-13 S-SO-56394-DR-012010-1035						
1002038-14 S-SO-56394-DR-012010-1038	AOU	Denise Cotter	2-09-10 3:00 PM	2-10-10 5:30 PM	YES	

00039

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Metals** Analysis: Hg 7470A

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002038-15 S-SO-56394-DR-012110-1045						
1002038-16 S-SO-56394-DR-012110-1049	AOL	Denise Coffey	2-09-10 3:00 PM	2-10-10 5:30 PM	yes	
1002038-17 SD-SO-56394-DR-012110-1049	AOL	Denise Coffey	2-09-10 3:00 PM	2-10-10 5:30 PM	yes	
1002038-18 S-SO-56394-DR-012110-1050						
1002038-19 S-SO-56394-CB-012010-105	AOL	Denise Coffey	2-09-10 3:00 PM	2-10-10 5:30 PM	yes	
1002038-20 S-SO-56394-CB-012110-107						
1002038-21 S-SO-56394-CB-012110-109	AOL	Denise Coffey	2-09-10 3:00 PM	2-10-10 5:30 PM	yes	
1002038-22 S-SO-56394-CB-012110-114	AOL	↓	↓	↓	↓	
1002038-23 S-SO-56394-CB-012110-116	AOL	↓	↓	↓	↓	
1002038-24 S-SO-56394-CB-012110-118	AOL	Denise Coffey	2-09-10 3:00 PM	2-10-10 5:30 PM	yes	

04000

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Metals**

Analysis: Hg 7470A Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002038-01 S-SO-56394-CB-011810-062						
1002038-02 S-SO-56394-CB-011810-072						
1002038-03 S-SO-56394-CB-011810-057						
1002038-04 S-SO-56394-DR-011910-1024						
1002038-05 S-SO-56394-CB-011910-077	A01	Ma Scott	2-23-10 2:00pm	2-23-10 4:00pm	no	A05
1002038-06 SD-SO-56394-CB-011910-077						
1002038-07 S-SO-56394-CB-011910-081						
1002038-08 S-SO-56394-CB-011910-086						
1002038-09 S-SO-56394-CB-011910-090	A01	Ma Scott	2-23-10 2:00pm	2-23-10 4:00pm	no	A05
1002038-10 S-SO-56394-CB-012010-094	↓ "	↓ "	↓ "	↓ "	↓ "	↓ "
1002038-11 S-SO-56394-CB-012010-099	A01	Ma Scott	2-23-10 2:00pm	2-23-10 4:00pm	no	A05
1002038-12 S-SO-56394-DR-012010-1031						
1002038-13 S-SO-56394-DR-012010-1035	A01	Ma Scott	2-23-10 2:00pm	2-23-10 4:00pm	no	A05
1002038-14 S-SO-56394-DR-012010-1038						

Th000

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Metals** Analysis: Hg 7470A Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002038-15 S-SO-56394-DR-012110-1045	A01	Ma Scott	2-23-10 2:00pm	2-23-10 4:00pm	no	A05
1002038-16 S-SO-56394-DR-012110-1049						
1002038-17 SD-SO-56394-DR-012110-1049						
1002038-18 S-SO-56394-DR-012110-1050	A01	Ma Scott	2-23-10 2:00pm	2-23-10 4:00pm	no	A05
1002038-19 S-SO-56394-CB-012010-105						
1002038-20 S-SO-56394-CB-012110-107	A01	Ma Scott	2-23-10 2:00pm	2-23-10 4:00pm	no	A05
1002038-21 S-SO-56394-CB-012110-109						
1002038-22 S-SO-56394-CB-012110-114						
1002038-23 S-SO-56394-CB-012110-116						
1002038-24 S-SO-56394-CB-012110-118						

00042

Internal Chain of Custody --- Work Order # **1002038**

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Metals**

Analysis: Hg 7470A

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002038-01 S-SO-56394-CB-011810-062						
1002038-02 S-SO-56394-CB-011810-072						
1002038-03 S-SO-56394-CB-011810-057						
1002038-04 S-SO-56394-DR-011910-1024						
1002038-05 S-SO-56394-CB-011910-077	A05	Denise Cotter	2-23-10 4:00 PM	2-24-10 3:30 PM	YES	
1002038-06 SD-SO-56394-CB-011910-077	~~A 3/5/10~~ OK					
1002038-07 S-SO-56394-CB-011910-081						
1002038-08 S-SO-56394-CB-011910-086						
1002038-09 S-SO-56394-CB-011910-090	A05	Denise Cotter	2-23-10 4:00 PM	2-24-10 3:30 PM	YES	
1002038-10 S-SO-56394-CB-012010-094	A05	"	"	"	YES	
1002038-11 S-SO-56394-CB-012010-099	A05	Denise Cotter	2-23-10 4:00 PM	2-24-10 3:30 PM	YES	
1002038-12 S-SO-56394-DR-012010-1031						
1002038-13 S-SO-56394-DR-012010-1035	A05	Denise Cotter	2-23-10 4:00 PM	2-24-10 3:30 PM	YES	
1002038-14 S-SO-56394-DR-012010-1038						

Internal Chain of Custody --- Work Order # **1002038**

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Metals**

Analysis: Hg 7470A

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002038-15 S-SO-56394-DR-012110-1045	A05	Denis Cotter	2-23-10 4:00 PM	2-24-10 3:30 PM	YES	
1002038-16 S-SO-56394-DR-012110-1049						
1002038-17 SD-SO-56394-DR-012110-1049						
1002038-18 S-SO-56394-DR-012110-1050	A05	Denis Cotter	2-23-10 4:01 PM	2-24-10 3:30 PM	YES	
1002038-19 S-SO-56394-CB-012010-105						
1002038-20 S-SO-56394-CB-012110-107	A05	Denis Cotter	2-23-10 4:00 PM	2-24-10 3:30 PM	YES	
1002038-21 S-SO-56394-CB-012110-109						
1002038-22 S-SO-56394-CB-012110-114						
1002038-23 S-SO-56394-CB-012110-116						
1002038-24 S-SO-56394-CB-012110-118						

hh000

TriMatrix Laboratories, Inc.

Internal Chain of Custody --- Work Order # **1001372**

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Inorganic - Wet Chemistry**

Analysis: 9010B Cyanide Distillation

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001372-01 S-SO-56394-CB-011810-057	A01	Lucy M Harvey	01/28/10 7:30am	01/28/10 9:00am	NO	A02
1001372-02 S-SO-56394-DR-012010-1031						
1001372-03 S-SO-56394-DR-012010-1035						
1001372-04 S-SO-56394-DR-012110-1049						
1001372-05 SD-SO-56394-DR-012110-1049	"	"	"	"	"	"
1001372-06 S-SO-56394-DR-012110-1050						
1001372-07 S-SO-56394-CB-012010-105						
1001372-08 S-SO-56394-CB-012110-107						
1001372-09 S-SO-56394-CB-012110-116						
1001372-10 S-SO-56394-CB-012110-118	A01	Lucy M Harvey	01/28/10 7:30am	01/28/10 9:00am	NO	A02

Client: **SulTRAC**
Project: **Plainwell Mill**

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-21-10 17:55**

Department: **Inorganic - Wet Chemistry**

Analysis: Cyanide, SPLP 9014

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001372-01 S-SO-56394-CB-011810-057	AO2	Lucy M Harvey	02/01/10 7:30am	02/01/10 11:00am	NO	—
1001372-02 S-SO-56394-DR-012010-1031						—
1001372-03 S-SO-56394-DR-012010-1035						—
1001372-04 S-SO-56394-DR-012110-1049						—
1001372-05 SD-SO-56394-DR-012110-1049	"	"	"	"	"	—
1001372-06 S-SO-56394-DR-012110-1050						—
1001372-07 S-SO-56394-CB-012010-105						—
1001372-08 S-SO-56394-CB-012110-107						—
1001372-09 S-SO-56394-CB-012110-116						—
1001372-10 S-SO-56394-CB-012110-118	AO2	Lucy M Harvey	02/01/10 7:30am	02/01/10 11:00am	NO	—

900146

TRIMATRIX
LABORATORIES

SECTION - C

INORGANIC - METALS

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.

TriMatrix Laboratories, Inc.

SulTRAC

Project: Plainwell Mill

SDG: PM011810B

USEPA-6010B

SAMPLE ID SUMMARY

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-SO-56394-CB-011810-062	1002038-01
S-SO-56394-CB-011810-072	1002038-02
S-SO-56394-CB-011810-057	1002038-03
S-SO-56394-DR-011910-1024	1002038-04
S-SO-56394-CB-011910-077	1002038-05
SD-SO-56394-CB-011910-077	1002038-06
S-SO-56394-CB-011910-081	1002038-07
S-SO-56394-CB-011910-086	1002038-08
S-SO-56394-CB-011910-090	1002038-09
S-SO-56394-CB-012010-094	1002038-10
S-SO-56394-CB-012010-099	1002038-11
S-SO-56394-DR-012010-1031	1002038-12
S-SO-56394-DR-012010-1035	1002038-13
S-SO-56394-DR-012010-1038	1002038-14
S-SO-56394-DR-012110-1045	1002038-15
S-SO-56394-DR-012110-1049	1002038-16
SD-SO-56394-DR-012110-1049	1002038-17
S-SO-56394-DR-012110-1050	1002038-18
S-SO-56394-CB-012010-105	1002038-19
S-SO-56394-CB-012110-107	1002038-20
S-SO-56394-CB-012110-109	1002038-21
S-SO-56394-CB-012110-114	1002038-22
S-SO-56394-CB-012110-116	1002038-23
S-SO-56394-CB-012110-118	1002038-24

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011810-062

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/18/10 13:45
Solids: 0.00
Laboratory ID: 1002038-01

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001056

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	1.9	mg/L	1	0.10	0.023		02/09/10 11:47
7440-39-3	Barium, SPLP	0.026	mg/L	1	0.010	0.0036		02/09/10 11:47
7439-89-6	Iron, SPLP	2.9	mg/L	1	0.020	0.0042		02/09/10 11:47
7439-96-5	Manganese, SPLP	0.041	mg/L	1	0.020	0.0031		02/09/10 11:47
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/09/10 11:47

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011810-072

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/18/10 16:15
Solids: 0.00
Laboratory ID: 1002038-02

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001056

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.14	mg/L	1	0.10	0.023		02/09/10 11:51
7440-39-3	Barium, SPLP	0.092	mg/L	1	0.010	0.0036		02/09/10 11:51
7439-89-6	Iron, SPLP	0.0053	mg/L	1	0.020	0.0042	J	02/09/10 11:51
7439-96-5	Manganese, SPLP	0.020	mg/L	1	0.020	0.0031	U	02/09/10 11:51
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/09/10 11:51

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011810-057

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/18/10 11:25
Solids: 0.00
Laboratory ID: 1002038-03

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001056

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.10	mg/L	1	0.10	0.023	U	02/09/10 11:55
7440-39-3	Barium, SPLP	0.043	mg/L	1	0.010	0.0036		02/09/10 11:55
7439-89-6	Iron, SPLP	0.017	mg/L	1	0.020	0.0042	J	02/09/10 11:55
7439-96-5	Manganese, SPLP	0.028	mg/L	1	0.020	0.0031		02/09/10 11:55
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/09/10 11:55

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-DR-011910-1024

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 11:30
Solids: 0.00
Laboratory ID: 1002038-04

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001056

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	2.0	mg/L	1	0.10	0.023		02/09/10 11:59
7440-39-3	Barium, SPLP	0.027	mg/L	1	0.010	0.0036		02/09/10 11:59
7439-89-6	Iron, SPLP	2.0	mg/L	1	0.020	0.0042		02/09/10 11:59
7439-96-5	Manganese, SPLP	0.083	mg/L	1	0.020	0.0031		02/09/10 11:59
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/09/10 11:59

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011910-077

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 09:50
Solids: 0.00
Laboratory ID: 1002038-05

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001056

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.068	mg/L	1	0.10	0.023	J	02/09/10 12:03
7440-39-3	Barium, SPLP	1.2	mg/L	1	0.010	0.0036		02/09/10 12:03
7439-89-6	Iron, SPLP	0.30	mg/L	1	0.020	0.0042		02/09/10 12:03
7439-96-5	Manganese, SPLP	0.10	mg/L	1	0.020	0.0031		02/09/10 12:03
7440-02-0	Nickel, SPLP	0.024	mg/L	1	0.010	0.0064		02/09/10 12:03

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

SD-SO-56394-CB-011910-077

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 09:50
Solids: 0.00
Laboratory ID: 1002038-06

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001056

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.030	mg/L	1	0.10	0.023	J	02/09/10 12:07
7440-39-3	Barium, SPLP	0.38	mg/L	1	0.010	0.0036		02/09/10 12:07
7439-89-6	Iron, SPLP	0.30	mg/L	1	0.020	0.0042		02/09/10 12:07
7439-96-5	Manganese, SPLP	0.090	mg/L	1	0.020	0.0031		02/09/10 12:07
7440-02-0	Nickel, SPLP	0.021	mg/L	1	0.010	0.0064		02/09/10 12:07

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011910-081

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 12:50
Solids: 0.00
Laboratory ID: 1002038-07

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001056

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.35	mg/L	1	0.10	0.023		02/09/10 13:17
7440-39-3	Barium, SPLP	0.093	mg/L	1	0.010	0.0036		02/09/10 13:17
7439-89-6	Iron, SPLP	0.052	mg/L	1	0.020	0.0042		02/09/10 13:17
7439-96-5	Manganese, SPLP	0.032	mg/L	1	0.020	0.0031		02/09/10 13:17
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/09/10 13:17

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011910-086

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 15:20
Solids: 0.00
Laboratory ID: 1002038-08

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001056

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.45	mg/L	1	0.10	0.023		02/09/10 12:11
7440-39-3	Barium, SPLP	0.052	mg/L	1	0.010	0.0036		02/09/10 12:11
7439-89-6	Iron, SPLP	0.053	mg/L	1	0.020	0.0042		02/09/10 12:11
7439-96-5	Manganese, SPLP	0.020	mg/L	1	0.020	0.0031	U	02/09/10 12:11
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/09/10 12:11

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011910-090

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 16:10
Solids: 0.00
Laboratory ID: 1002038-09

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001056

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.77	mg/L	1	0.10	0.023		02/09/10 12:15
7440-39-3	Barium, SPLP	0.052	mg/L	1	0.010	0.0036		02/09/10 12:15
7439-89-6	Iron, SPLP	1.7	mg/L	1	0.020	0.0042		02/09/10 12:15
7439-96-5	Manganese, SPLP	0.075	mg/L	1	0.020	0.0031		02/09/10 12:15
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/09/10 12:15

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012010-094

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 10:50
Solids: 0.00
Laboratory ID: 1002038-10

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001056

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	1.7	mg/L	1	0.10	0.023		02/09/10 12:27
7440-39-3	Barium, SPLP	0.017	mg/L	1	0.010	0.0036		02/09/10 12:27
7439-89-6	Iron, SPLP	1.4	mg/L	1	0.020	0.0042		02/09/10 12:27
7439-96-5	Manganese, SPLP	0.13	mg/L	1	0.020	0.0031		02/09/10 12:27
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/09/10 12:27

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012010-099

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 13:50
Solids: 0.00
Laboratory ID: 1002038-11

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001056

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.10	mg/L	1	0.10	0.023		02/09/10 12:31
7440-39-3	Barium, SPLP	0.0073	mg/L	1	0.010	0.0036	J	02/09/10 12:31
7439-89-6	Iron, SPLP	0.011	mg/L	1	0.020	0.0042	J	02/09/10 12:31
7439-96-5	Manganese, SPLP	0.020	mg/L	1	0.020	0.0031	U	02/09/10 12:31
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/09/10 12:31

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-DR-012010-1031

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 08:45
Solids: 0.00
Laboratory ID: 1002038-12

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001056

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.23	mg/L	1	0.10	0.023		02/09/10 12:35
7440-39-3	Barium, SPLP	0.031	mg/L	1	0.010	0.0036		02/09/10 12:35
7439-89-6	Iron, SPLP	0.21	mg/L	1	0.020	0.0042		02/09/10 12:35
7439-96-5	Manganese, SPLP	0.020	mg/L	1	0.020	0.0031	U	02/09/10 12:35
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/09/10 12:35

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-DR-012010-1035

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 12:10
Solids: 0.00
Laboratory ID: 1002038-13

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001056

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.99	mg/L	1	0.10	0.023		02/09/10 12:38
7440-39-3	Barium, SPLP	0.014	mg/L	1	0.010	0.0036		02/09/10 12:38
7439-89-6	Iron, SPLP	1.7	mg/L	1	0.020	0.0042		02/09/10 12:38
7439-96-5	Manganese, SPLP	0.047	mg/L	1	0.020	0.0031		02/09/10 12:38
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/09/10 12:38

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-DR-012010-1038

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 14:00
Solids: 0.00
Laboratory ID: 1002038-14

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001056

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.25	mg/L	1	0.10	0.023		02/09/10 12:42
7440-39-3	Barium, SPLP	0.078	mg/L	1	0.010	0.0036		02/09/10 12:42
7439-89-6	Iron, SPLP	0.53	mg/L	1	0.020	0.0042		02/09/10 12:42
7439-96-5	Manganese, SPLP	0.057	mg/L	1	0.020	0.0031		02/09/10 12:42
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/09/10 12:42

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-DR-012110-1045

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 08:55
Solids: 0.00
Laboratory ID: 1002038-15

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001056

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.17	mg/L	1	0.10	0.023		02/09/10 13:01
7440-39-3	Barium, SPLP	0.0085	mg/L	1	0.010	0.0036	J	02/09/10 13:01
7439-89-6	Iron, SPLP	0.094	mg/L	1	0.020	0.0042		02/09/10 13:01
7439-96-5	Manganese, SPLP	0.0041	mg/L	1	0.020	0.0031	J	02/09/10 13:01
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/09/10 13:01

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-DR-012110-1049

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 11:20
Solids: 0.00
Laboratory ID: 1002038-16

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001056

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.43	mg/L	1	0.10	0.023		02/09/10 13:13
7440-39-3	Barium, SPLP	0.051	mg/L	1	0.010	0.0036		02/09/10 13:13
7439-89-6	Iron, SPLP	0.25	mg/L	1	0.020	0.0042		02/09/10 13:13
7439-96-5	Manganese, SPLP	0.0078	mg/L	1	0.020	0.0031	J	02/09/10 13:13
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/09/10 13:13

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

SD-SO-56394-DR-012110-1049

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 11:25
Solids: 0.00
Laboratory ID: 1002038-17

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001058

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.50	mg/L	1	0.10	0.023		02/09/10 13:29
7440-39-3	Barium, SPLP	0.034	mg/L	1	0.010	0.0036		02/09/10 13:29
7439-89-6	Iron, SPLP	0.24	mg/L	1	0.020	0.0042		02/09/10 13:29
7439-96-5	Manganese, SPLP	0.0068	mg/L	1	0.020	0.0031	J	02/09/10 13:29
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/09/10 13:29

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-DR-012110-1050

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 13:40
Solids: 0.00
Laboratory ID: 1002038-18

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001058

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.62	mg/L	1	0.10	0.023		02/09/10 13:48
7440-39-3	Barium, SPLP	0.028	mg/L	1	0.010	0.0036		02/09/10 13:48
7439-89-6	Iron, SPLP	0.26	mg/L	1	0.020	0.0042		02/09/10 13:48
7439-96-5	Manganese, SPLP	0.020	mg/L	1	0.020	0.0031	U	02/09/10 13:48
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/09/10 13:48

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012010-105

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 16:30
Solids: 0.00
Laboratory ID: 1002038-19

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001058

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	1.2	mg/L	1	0.10	0.023		02/09/10 14:00
7440-39-3	Barium, SPLP	0.034	mg/L	1	0.010	0.0036		02/09/10 14:00
7439-89-6	Iron, SPLP	2.0	mg/L	1	0.020	0.0042		02/09/10 14:00
7439-96-5	Manganese, SPLP	0.037	mg/L	1	0.020	0.0031		02/09/10 14:00
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/09/10 14:00

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012110-107

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 09:00
Solids: 0.00
Laboratory ID: 1002038-20

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001058

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.26	mg/L	1	0.10	0.023		02/09/10 14:04
7440-39-3	Barium, SPLP	0.015	mg/L	1	0.010	0.0036		02/09/10 14:04
7439-89-6	Iron, SPLP	0.30	mg/L	1	0.020	0.0042		02/09/10 14:04
7439-96-5	Manganese, SPLP	0.011	mg/L	1	0.020	0.0031	J	02/09/10 14:04
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/09/10 14:04

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012110-109

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 10:00
Solids: 0.00
Laboratory ID: 1002038-21

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001058

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	1.3	mg/L	1	0.10	0.023		02/09/10 14:08
7440-39-3	Barium, SPLP	0.034	mg/L	1	0.010	0.0036		02/09/10 14:08
7439-89-6	Iron, SPLP	1.3	mg/L	1	0.020	0.0042		02/09/10 14:08
7439-96-5	Manganese, SPLP	0.042	mg/L	1	0.020	0.0031		02/09/10 14:08
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/09/10 14:08

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012110-114

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 11:20
Solids: 0.00
Laboratory ID: 1002038-22

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001058

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	1.8	mg/L	1	0.10	0.023		02/09/10 14:12
7440-39-3	Barium, SPLP	0.025	mg/L	1	0.010	0.0036		02/09/10 14:12
7439-89-6	Iron, SPLP	1.9	mg/L	1	0.020	0.0042		02/09/10 14:12
7439-96-5	Manganese, SPLP	0.0065	mg/L	1	0.020	0.0031	J	02/09/10 14:12
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/09/10 14:12

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012110-116

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 13:10
Solids: 0.00
Laboratory ID: 1002038-23

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001058

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.25	mg/L	1	0.10	0.023		02/09/10 14:16
7440-39-3	Barium, SPLP	0.073	mg/L	1	0.010	0.0036		02/09/10 14:16
7439-89-6	Iron, SPLP	0.17	mg/L	1	0.020	0.0042		02/09/10 14:16
7439-96-5	Manganese, SPLP	0.025	mg/L	1	0.020	0.0031		02/09/10 14:16
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/09/10 14:16

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012110-118

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 14:10
Solids: 0.00
Laboratory ID: 1002038-24

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001058

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.78	mg/L	1	0.10	0.023		02/09/10 14:20
7440-39-3	Barium, SPLP	0.057	mg/L	1	0.010	0.0036		02/09/10 14:20
7439-89-6	Iron, SPLP	0.33	mg/L	1	0.020	0.0042		02/09/10 14:20
7439-96-5	Manganese, SPLP	0.0036	mg/L	1	0.020	0.0031	J	02/09/10 14:20
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/09/10 14:20

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B09014

SDG: PM011810B
Project: Plainwell Mill
Instrument: 311
Calibration: 0B12002

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B09014-CAL1	0B09014-001	02/09/10 10:35
Cal Standard	0B09014-CAL2	0B09014-002	02/09/10 10:39
Cal Standard	0B09014-CAL3	0B09014-003	02/09/10 10:43
Cal Standard	0B09014-CAL4	0B09014-004	02/09/10 10:47
Cal Standard	0B09014-CAL5	0B09014-005	02/09/10 10:51
Secondary Cal Check	0B09014-SCV1	0B09014-006	02/09/10 10:55
Calibration Check	0B09014-CCV1	0B09014-006	02/09/10 10:55
Calibration Blank	0B09014-CCB1	0B09014-007	02/09/10 10:59
MRL Check	0B09014-CRL1	0B09014-008	02/09/10 11:03
Interference Check A	0B09014-IFA1	0B09014-009	02/09/10 11:07
Interference Check A	0B09014-IFA2	0B09014-010	02/09/10 11:13
Interference Check B	0B09014-IFB1	0B09014-011	02/09/10 11:19
Interference Check B	0B09014-IFB2	0B09014-012	02/09/10 11:25
Calibration Check	0B09014-CCV2	0B09014-013	02/09/10 11:31
Calibration Blank	0B09014-CCB2	0B09014-014	02/09/10 11:35
Blank	1001056-BLK1	0B09014-015	02/09/10 11:39
LCS	1001056-BS1	0B09014-016	02/09/10 11:43
S-SO-56394-CB-011810-062	1002038-01	0B09014-017	02/09/10 11:47
S-SO-56394-CB-011810-062	1002038-01	0B09014-017	02/09/10 11:47
S-SO-56394-CB-011810-062	1002038-01	0B09014-017	02/09/10 11:47
S-SO-56394-CB-011810-062	1002038-01	0B09014-017	02/09/10 11:47
S-SO-56394-CB-011810-062	1002038-01	0B09014-017	02/09/10 11:47
S-SO-56394-CB-011810-072	1002038-02	0B09014-018	02/09/10 11:51
S-SO-56394-CB-011810-072	1002038-02	0B09014-018	02/09/10 11:51
S-SO-56394-CB-011810-072	1002038-02	0B09014-018	02/09/10 11:51
S-SO-56394-CB-011810-072	1002038-02	0B09014-018	02/09/10 11:51
S-SO-56394-CB-011810-072	1002038-02	0B09014-018	02/09/10 11:51
S-SO-56394-CB-011810-057	1002038-03	0B09014-019	02/09/10 11:55
S-SO-56394-CB-011810-057	1002038-03	0B09014-019	02/09/10 11:55
S-SO-56394-CB-011810-057	1002038-03	0B09014-019	02/09/10 11:55
S-SO-56394-CB-011810-057	1002038-03	0B09014-019	02/09/10 11:55
S-SO-56394-CB-011810-057	1002038-03	0B09014-019	02/09/10 11:55

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B09014

SDG: PM011810B
Project: Plainwell Mill
Instrument: 311
Calibration: 0B12002

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-DR-011910-1024	1002038-04	0B09014-020	02/09/10 11:59
S-SO-56394-DR-011910-1024	1002038-04	0B09014-020	02/09/10 11:59
S-SO-56394-DR-011910-1024	1002038-04	0B09014-020	02/09/10 11:59
S-SO-56394-DR-011910-1024	1002038-04	0B09014-020	02/09/10 11:59
S-SO-56394-DR-011910-1024	1002038-04	0B09014-020	02/09/10 11:59
S-SO-56394-CB-011910-077	1002038-05	0B09014-021	02/09/10 12:03
S-SO-56394-CB-011910-077	1002038-05	0B09014-021	02/09/10 12:03
S-SO-56394-CB-011910-077	1002038-05	0B09014-021	02/09/10 12:03
S-SO-56394-CB-011910-077	1002038-05	0B09014-021	02/09/10 12:03
S-SO-56394-CB-011910-077	1002038-05	0B09014-021	02/09/10 12:03
SD-SO-56394-CB-011910-077	1002038-06	0B09014-022	02/09/10 12:07
SD-SO-56394-CB-011910-077	1002038-06	0B09014-022	02/09/10 12:07
SD-SO-56394-CB-011910-077	1002038-06	0B09014-022	02/09/10 12:07
SD-SO-56394-CB-011910-077	1002038-06	0B09014-022	02/09/10 12:07
SD-SO-56394-CB-011910-077	1002038-06	0B09014-022	02/09/10 12:07
S-SO-56394-CB-011910-086	1002038-08	0B09014-023	02/09/10 12:11
S-SO-56394-CB-011910-086	1002038-08	0B09014-023	02/09/10 12:11
S-SO-56394-CB-011910-086	1002038-08	0B09014-023	02/09/10 12:11
S-SO-56394-CB-011910-086	1002038-08	0B09014-023	02/09/10 12:11
S-SO-56394-CB-011910-086	1002038-08	0B09014-023	02/09/10 12:11
S-SO-56394-CB-011910-090	1002038-09	0B09014-024	02/09/10 12:15
S-SO-56394-CB-011910-090	1002038-09	0B09014-024	02/09/10 12:15
S-SO-56394-CB-011910-090	1002038-09	0B09014-024	02/09/10 12:15
S-SO-56394-CB-011910-090	1002038-09	0B09014-024	02/09/10 12:15
S-SO-56394-CB-011910-090	1002038-09	0B09014-024	02/09/10 12:15
Calibration Check	0B09014-CCV3	0B09014-025	02/09/10 12:19
Calibration Blank	0B09014-CCB3	0B09014-026	02/09/10 12:23
S-SO-56394-CB-012010-094	1002038-10	0B09014-027	02/09/10 12:27
S-SO-56394-CB-012010-094	1002038-10	0B09014-027	02/09/10 12:27
S-SO-56394-CB-012010-094	1002038-10	0B09014-027	02/09/10 12:27
S-SO-56394-CB-012010-094	1002038-10	0B09014-027	02/09/10 12:27
S-SO-56394-CB-012010-094	1002038-10	0B09014-027	02/09/10 12:27

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B09014

SDG: PM011810B
Project: Plainwell Mill
Instrument: 311
Calibration: 0B12002

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012010-099	1002038-11	0B09014-028	02/09/10 12:31
S-SO-56394-CB-012010-099	1002038-11	0B09014-028	02/09/10 12:31
S-SO-56394-CB-012010-099	1002038-11	0B09014-028	02/09/10 12:31
S-SO-56394-CB-012010-099	1002038-11	0B09014-028	02/09/10 12:31
S-SO-56394-CB-012010-099	1002038-11	0B09014-028	02/09/10 12:31
S-SO-56394-DR-012010-1031	1002038-12	0B09014-029	02/09/10 12:35
S-SO-56394-DR-012010-1031	1002038-12	0B09014-029	02/09/10 12:35
S-SO-56394-DR-012010-1031	1002038-12	0B09014-029	02/09/10 12:35
S-SO-56394-DR-012010-1031	1002038-12	0B09014-029	02/09/10 12:35
S-SO-56394-DR-012010-1031	1002038-12	0B09014-029	02/09/10 12:35
S-SO-56394-DR-012010-1035	1002038-13	0B09014-030	02/09/10 12:38
S-SO-56394-DR-012010-1035	1002038-13	0B09014-030	02/09/10 12:38
S-SO-56394-DR-012010-1035	1002038-13	0B09014-030	02/09/10 12:38
S-SO-56394-DR-012010-1035	1002038-13	0B09014-030	02/09/10 12:38
S-SO-56394-DR-012010-1035	1002038-13	0B09014-030	02/09/10 12:38
S-SO-56394-DR-012010-1038	1002038-14	0B09014-031	02/09/10 12:42
S-SO-56394-DR-012010-1038	1002038-14	0B09014-031	02/09/10 12:42
S-SO-56394-DR-012010-1038	1002038-14	0B09014-031	02/09/10 12:42
S-SO-56394-DR-012010-1038	1002038-14	0B09014-031	02/09/10 12:42
S-SO-56394-DR-012010-1038	1002038-14	0B09014-031	02/09/10 12:42
S-SO-56394-DR-012010-1038	1001056-MS1	0B09014-032	02/09/10 12:46
S-SO-56394-DR-012010-1038	1001056-MSD1	0B09014-033	02/09/10 12:50
S-SO-56394-DR-012010-1038	0B09014-SRD1	0B09014-034	02/09/10 12:53
S-SO-56394-DR-012010-1038	1001056-PS1	0B09014-035	02/09/10 12:57
S-SO-56394-DR-012110-1045	1002038-15	0B09014-036	02/09/10 13:01
S-SO-56394-DR-012110-1045	1002038-15	0B09014-036	02/09/10 13:01
S-SO-56394-DR-012110-1045	1002038-15	0B09014-036	02/09/10 13:01
S-SO-56394-DR-012110-1045	1002038-15	0B09014-036	02/09/10 13:01
S-SO-56394-DR-012110-1045	1002038-15	0B09014-036	02/09/10 13:01
Calibration Check	0B09014-CCV4	0B09014-037	02/09/10 13:05
Calibration Blank	0B09014-CCB4	0B09014-038	02/09/10 13:09
S-SO-56394-DR-012110-1049	1002038-16	0B09014-039	02/09/10 13:13

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B09014

SDG: PM011810B
Project: Plainwell Mill
Instrument: 311
Calibration: 0B12002

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-DR-012110-1049	1002038-16	0B09014-039	02/09/10 13:13
S-SO-56394-DR-012110-1049	1002038-16	0B09014-039	02/09/10 13:13
S-SO-56394-DR-012110-1049	1002038-16	0B09014-039	02/09/10 13:13
S-SO-56394-DR-012110-1049	1002038-16	0B09014-039	02/09/10 13:13
S-SO-56394-CB-011910-081	1002038-07	0B09014-040	02/09/10 13:17
S-SO-56394-CB-011910-081	1002038-07	0B09014-040	02/09/10 13:17
S-SO-56394-CB-011910-081	1002038-07	0B09014-040	02/09/10 13:17
S-SO-56394-CB-011910-081	1002038-07	0B09014-040	02/09/10 13:17
S-SO-56394-CB-011910-081	1002038-07	0B09014-040	02/09/10 13:17
Blank	1001058-BLK1	0B09014-041	02/09/10 13:21
LCS	1001058-BS1	0B09014-042	02/09/10 13:25
SD-SO-56394-DR-012110-1049	1002038-17	0B09014-043	02/09/10 13:29
SD-SO-56394-DR-012110-1049	1002038-17	0B09014-043	02/09/10 13:29
SD-SO-56394-DR-012110-1049	1002038-17	0B09014-043	02/09/10 13:29
SD-SO-56394-DR-012110-1049	1002038-17	0B09014-043	02/09/10 13:29
SD-SO-56394-DR-012110-1049	1002038-17	0B09014-043	02/09/10 13:29
SD-SO-56394-DR-012110-1049	1001058-MS1	0B09014-044	02/09/10 13:33
SD-SO-56394-DR-012110-1049	1001058-MSD1	0B09014-045	02/09/10 13:37
SD-SO-56394-DR-012110-1049	0B09014-SRD2	0B09014-046	02/09/10 13:41
SD-SO-56394-DR-012110-1049	1001058-PS1	0B09014-047	02/09/10 13:44
S-SO-56394-DR-012110-1050	1002038-18	0B09014-048	02/09/10 13:48
S-SO-56394-DR-012110-1050	1002038-18	0B09014-048	02/09/10 13:48
S-SO-56394-DR-012110-1050	1002038-18	0B09014-048	02/09/10 13:48
S-SO-56394-DR-012110-1050	1002038-18	0B09014-048	02/09/10 13:48
S-SO-56394-DR-012110-1050	1002038-18	0B09014-048	02/09/10 13:48
Calibration Check	0B09014-CCV5	0B09014-049	02/09/10 13:52
Calibration Blank	0B09014-CCB5	0B09014-050	02/09/10 13:56
S-SO-56394-CB-012010-105	1002038-19	0B09014-051	02/09/10 14:00
S-SO-56394-CB-012010-105	1002038-19	0B09014-051	02/09/10 14:00
S-SO-56394-CB-012010-105	1002038-19	0B09014-051	02/09/10 14:00
S-SO-56394-CB-012010-105	1002038-19	0B09014-051	02/09/10 14:00
S-SO-56394-CB-012010-105	1002038-19	0B09014-051	02/09/10 14:00

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B09014

SDG: PM011810B
Project: Plainwell Mill
Instrument: 311
Calibration: 0B12002

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012110-107	1002038-20	0B09014-052	02/09/10 14:04
S-SO-56394-CB-012110-107	1002038-20	0B09014-052	02/09/10 14:04
S-SO-56394-CB-012110-107	1002038-20	0B09014-052	02/09/10 14:04
S-SO-56394-CB-012110-107	1002038-20	0B09014-052	02/09/10 14:04
S-SO-56394-CB-012110-107	1002038-20	0B09014-052	02/09/10 14:04
S-SO-56394-CB-012110-109	1002038-21	0B09014-053	02/09/10 14:08
S-SO-56394-CB-012110-109	1002038-21	0B09014-053	02/09/10 14:08
S-SO-56394-CB-012110-109	1002038-21	0B09014-053	02/09/10 14:08
S-SO-56394-CB-012110-109	1002038-21	0B09014-053	02/09/10 14:08
S-SO-56394-CB-012110-109	1002038-21	0B09014-053	02/09/10 14:08
S-SO-56394-CB-012110-114	1002038-22	0B09014-054	02/09/10 14:12
S-SO-56394-CB-012110-114	1002038-22	0B09014-054	02/09/10 14:12
S-SO-56394-CB-012110-114	1002038-22	0B09014-054	02/09/10 14:12
S-SO-56394-CB-012110-114	1002038-22	0B09014-054	02/09/10 14:12
S-SO-56394-CB-012110-114	1002038-22	0B09014-054	02/09/10 14:12
S-SO-56394-CB-012110-116	1002038-23	0B09014-055	02/09/10 14:16
S-SO-56394-CB-012110-116	1002038-23	0B09014-055	02/09/10 14:16
S-SO-56394-CB-012110-116	1002038-23	0B09014-055	02/09/10 14:16
S-SO-56394-CB-012110-116	1002038-23	0B09014-055	02/09/10 14:16
S-SO-56394-CB-012110-116	1002038-23	0B09014-055	02/09/10 14:16
S-SO-56394-CB-012110-118	1002038-24	0B09014-056	02/09/10 14:20
S-SO-56394-CB-012110-118	1002038-24	0B09014-056	02/09/10 14:20
S-SO-56394-CB-012110-118	1002038-24	0B09014-056	02/09/10 14:20
S-SO-56394-CB-012110-118	1002038-24	0B09014-056	02/09/10 14:20
S-SO-56394-CB-012110-118	1002038-24	0B09014-056	02/09/10 14:20
Calibration Check	0B09014-CCV6	0B09014-057	02/09/10 14:24
Calibration Blank	0B09014-CCB6	0B09014-058	02/09/10 14:28

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B09014
Instrument ID: 311
Control Limt: +/- 10.00%
Calibration: 0B12002

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B09014-CCV1	Aluminum	2500	2430	97	ug/L	02/09/10 10:55
	Barium	500	492	98	ug/L	02/09/10 10:55
	Iron	500	495	99	ug/L	02/09/10 10:55
	Manganese	500	499	100	ug/L	02/09/10 10:55
0B09014-CCV2	Aluminum	2500	2480	99	ug/L	02/09/10 11:31
	Barium	500	500	100	ug/L	02/09/10 11:31
	Iron	500	493	99	ug/L	02/09/10 11:31
	Manganese	500	499	100	ug/L	02/09/10 11:31
0B09014-CCV3	Aluminum	2500	2490	100	ug/L	02/09/10 12:19
	Barium	500	501	100	ug/L	02/09/10 12:19
	Iron	500	492	98	ug/L	02/09/10 12:19
	Manganese	500	496	99	ug/L	02/09/10 12:19
0B09014-CCV4	Aluminum	2500	2490	100	ug/L	02/09/10 13:05
	Barium	500	502	100	ug/L	02/09/10 13:05
	Iron	500	488	98	ug/L	02/09/10 13:05
	Manganese	500	496	99	ug/L	02/09/10 13:05
0B09014-CCV5	Aluminum	2500	2510	100	ug/L	02/09/10 13:52
	Barium	500	503	101	ug/L	02/09/10 13:52
	Iron	500	492	98	ug/L	02/09/10 13:52
	Manganese	500	493	99	ug/L	02/09/10 13:52
0B09014-CCV6	Aluminum	2500	2490	100	ug/L	02/09/10 14:24
	Barium	500	502	100	ug/L	02/09/10 14:24
	Iron	500	495	99	ug/L	02/09/10 14:24
	Manganese	500	495	99	ug/L	02/09/10 14:24

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. **SDG:** PM011810B

Client: SulTRAC **Project:** Plainwell Mill

Sequence: 0B09014 **Instrument:** 311

Laboratory ID: 0B09014-SCV1 **Calibration:** 0B12002

Analyte	Expected	Found	% R	QC Limit	Units
Aluminum	2500	2430	97	90-110	ug/L
Barium	500	492	98	90-110	ug/L
Iron	500	495	99	90-110	ug/L
Manganese	500	499	100	90-110	ug/L
Nickel	500	507	101	90-110	ug/L

* Values outside of QC limits

: 00080

CRDL STANDARD

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810B

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0B09014

Instrument ID: 311

Calibration: 0B12002

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B09014-CRL1	Aluminum	100	118	118	ug/L	50 - 150
	Barium	20.0	20.8	104	ug/L	50 - 150
	Iron	20.0	22.5	113	ug/L	50 - 150
	Manganese	20.0	20.2	101	ug/L	50 - 150
	Nickel	20.0	19.6	98	ug/L	50 - 150

* Values outside of QC limits

00081

BLANKS
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B09014

SDG: PM011810B
Project: Plainwell Mill
Instrument ID: 311
Calibration: 0B12002

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B09014-CCB1	Aluminum	-12	100	23	ug/L	U	02/09/10 10:59
	Barium	-0.26	10	3.6	ug/L	U	02/09/10 10:59
	Iron	1.6	20	4.2	ug/L	U	02/09/10 10:59
	Manganese	-1.5	20	3.1	ug/L	U	02/09/10 10:59
0B09014-CCB2	Aluminum	-10	100	23	ug/L	U	02/09/10 11:35
	Barium	0.0026	10	3.6	ug/L	U	02/09/10 11:35
	Iron	1.5	20	4.2	ug/L	U	02/09/10 11:35
	Manganese	-1.3	20	3.1	ug/L	U	02/09/10 11:35
0B09014-CCB3	Aluminum	-8.6	100	23	ug/L	U	02/09/10 12:23
	Barium	-0.058	10	3.6	ug/L	U	02/09/10 12:23
	Iron	1.1	20	4.2	ug/L	U	02/09/10 12:23
	Manganese	-1.5	20	3.1	ug/L	U	02/09/10 12:23
0B09014-CCB4	Aluminum	-9.4	100	23	ug/L	U	02/09/10 13:09
	Barium	-0.42	10	3.6	ug/L	U	02/09/10 13:09
	Iron	1.8	20	4.2	ug/L	U	02/09/10 13:09
	Manganese	-1.5	20	3.1	ug/L	U	02/09/10 13:09
0B09014-CCB5	Aluminum	-14	100	23	ug/L	U	02/09/10 13:56
	Barium	-0.28	10	3.6	ug/L	U	02/09/10 13:56
	Iron	1.0	20	4.2	ug/L	U	02/09/10 13:56
	Manganese	-1.6	20	3.1	ug/L	U	02/09/10 13:56
0B09014-CCB6	Aluminum	-14	100	23	ug/L	U	02/09/10 14:28
	Barium	-0.38	10	3.6	ug/L	U	02/09/10 14:28
	Iron	-1.6	20	4.2	ug/L	U	02/09/10 14:28
	Manganese	-1.6	20	3.1	ug/L	U	02/09/10 14:28

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B09014

SDG: PM011810B

Project: Plainwell Mill

Instrument ID: 311

Calibration: 0B12002

Lab Sample ID	Analyte	True	Found	%R	Units
0B09014-IFA1	Aluminum	100000	98100	98	ug/L
	Barium	0.00	0.133		ug/L
	Iron	40000	38600	96	ug/L
	Manganese	0.00	0.569		ug/L
	Nickel	0.00	-1.06		ug/L
0B09014-IFA2	Aluminum	0.00	64.4		ug/L
	Barium	0.00	-0.159		ug/L
	Iron	0.00	-5.05		ug/L
	Manganese	20000	19800	99	ug/L
	Nickel	20000	20500	102	ug/L
0B09014-IFB1	Aluminum	100000	100000	100	ug/L
	Barium	500	447	89	ug/L
	Iron	40000	39100	98	ug/L
	Manganese	500	496	99	ug/L
	Nickel	1000	963	96	ug/L
0B09014-IFB2	Aluminum	1000	1040	104	ug/L
	Barium	0.00	0.385		ug/L
	Manganese	20000	19400	97	ug/L
	Nickel	20000	20000	100	ug/L

* Values outside of QC limits

00083

QC BATCH SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1001056
QC Batch Matrix: Soil
Preparation: 3010A SPLP Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1001056-BLK1	02/08/10 07:00	
LCS	1001056-BS1	02/08/10 07:00	
S-SO-56394-DR-012010-1038	1001056-MS1	02/08/10 07:00	
S-SO-56394-DR-012010-1038	1001056-MSD1	02/08/10 07:00	
S-SO-56394-DR-012010-1038	1001056-PS1	02/09/10 10:30	
S-SO-56394-CB-011810-062	1002038-01	02/08/10 07:00	
S-SO-56394-CB-011810-072	1002038-02	02/08/10 07:00	
S-SO-56394-CB-011810-057	1002038-03	02/08/10 07:00	
S-SO-56394-DR-011910-1024	1002038-04	02/08/10 07:00	
S-SO-56394-CB-011910-077	1002038-05	02/08/10 07:00	
SD-SO-56394-CB-011910-077	1002038-06	02/08/10 07:00	
S-SO-56394-CB-011910-081	1002038-07	02/08/10 07:00	
S-SO-56394-CB-011910-086	1002038-08	02/08/10 07:00	
S-SO-56394-CB-011910-090	1002038-09	02/08/10 07:00	
S-SO-56394-CB-012010-094	1002038-10	02/08/10 07:00	
S-SO-56394-CB-012010-099	1002038-11	02/08/10 07:00	
S-SO-56394-DR-012010-1031	1002038-12	02/08/10 07:00	
S-SO-56394-DR-012010-1035	1002038-13	02/08/10 07:00	
S-SO-56394-DR-012010-1038	1002038-14	02/08/10 07:00	
S-SO-56394-DR-012110-1045	1002038-15	02/08/10 07:00	
S-SO-56394-DR-012110-1049	1002038-16	02/08/10 07:00	

QC BATCH SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810B

Client: SulTRAC Project: Plainwell Mill

QC Batch: 1001058 QC Batch Matrix: Soil Preparation: 3010A SPLP Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1001058-BLK1	02/08/10 07:00	
LCS	1001058-BS1	02/08/10 07:00	
SD-SO-56394-DR-012110-1049	1001058-MS1	02/08/10 07:00	
SD-SO-56394-DR-012110-1049	1001058-MSD1	02/08/10 07:00	
SD-SO-56394-DR-012110-1049	1001058-PS1	02/09/10 10:30	
SD-SO-56394-DR-012110-1049	1002038-17	02/08/10 07:00	
S-SO-56394-DR-012110-1050	1002038-18	02/08/10 07:00	
S-SO-56394-CB-012010-105	1002038-19	02/08/10 07:00	
S-SO-56394-CB-012110-107	1002038-20	02/08/10 07:00	
S-SO-56394-CB-012110-109	1002038-21	02/08/10 07:00	
S-SO-56394-CB-012110-114	1002038-22	02/08/10 07:00	
S-SO-56394-CB-012110-116	1002038-23	02/08/10 07:00	
S-SO-56394-CB-012110-118	1002038-24	02/08/10 07:00	

METHOD BLANK DATA SHEET
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1001056-BLK1
File ID: 0B09014-015
Prepared: 02/08/10 07:00
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 25 mL
Analyzed: 02/09/10 11:39
Instrument: 311
QC Batch: 1001056
Sequence: 0B09014
Calibration: 0B12002

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7429-90-5	Aluminum, SPLP	0.023	0.10	0.10	mg/L	U
7440-39-3	Barium, SPLP	0.0036	0.010	0.010	mg/L	U
7439-89-6	Iron, SPLP	0.0042	0.020	0.0061	mg/L	J
7439-96-5	Manganese, SPLP	0.0031	0.020	0.020	mg/L	U
7440-02-0	Nickel, SPLP	0.0064	0.010	0.010	mg/L	U

METHOD BLANK DATA SHEET
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1001058-BLK1
File ID: 0B09014-041
Prepared: 02/08/10 07:00
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 25 mL
Analyzed: 02/09/10 13:21
Instrument: 311
QC Batch: 1001058
Sequence: 0B09014
Calibration: 0B12002

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7429-90-5	Aluminum, SPLP	0.023	0.10	0.10	mg/L	U
7440-39-3	Barium, SPLP	0.0036	0.010	0.010	mg/L	U
7439-89-6	Iron, SPLP	0.0042	0.020	0.020	mg/L	U
7439-96-5	Manganese, SPLP	0.0031	0.020	0.020	mg/L	U
7440-02-0	Nickel, SPLP	0.0064	0.010	0.010	mg/L	U

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-DR-012010-1038

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 25 mL

Laboratory ID: 1001056-MS1

QC Batch: 1001056

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Aluminum, SPLP	1.25	0.248	2.27	162 *	75 - 125	mg/L
Barium, SPLP	0.250	0.0783	0.320	97	75 - 125	mg/L
Iron, SPLP	0.250	0.534	1.93	560 *	75 - 125	mg/L
Manganese, SPLP	0.250	0.0568	0.347	116	75 - 125	mg/L
Nickel, SPLP	0.250	ND	0.230	92	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6010B

S-SO-56394-DR-012010-1038

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 25 mL

Laboratory ID: 1001056-MSD1

QC Batch: 1001056

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Aluminum, SPLP	1.25	2.30	164 *	1	20	75 - 125	mg/L
Barium, SPLP	0.250	0.320	97	0.06	20	75 - 125	mg/L
Iron, SPLP	0.250	2.00	588 *	4	20	75 - 125	mg/L
Manganese, SPLP	0.250	0.350	117	0.8	20	75 - 125	mg/L
Nickel, SPLP	0.250	0.234	94	2	20	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

00089

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6010B

D-SO-56394-DR-012110-104

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 25 mL

Laboratory ID: 1001058-MS1

QC Batch: 1001058

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Aluminum, SPLP	1.25	0.499	1.69	96	75 - 125	mg/L
Barium, SPLP	0.250	0.0343	0.267	93	75 - 125	mg/L
Iron, SPLP	0.250	0.236	0.458	89	75 - 125	mg/L
Manganese, SPLP	0.250	0.00680	0.240	93	75 - 125	mg/L
Nickel, SPLP	0.250	ND	0.233	93	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

00090

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6010B

D-SO-56394-DR-012110-104

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 25 mL

Laboratory ID: 1001058-MSD1

QC Batch: 1001058

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Aluminum, SPLP	1.25	1.71	97	0.8	20	75 - 125	mg/L
Barium, SPLP	0.250	0.272	95	2	20	75 - 125	mg/L
Iron, SPLP	0.250	0.458	89	0.04	20	75 - 125	mg/L
Manganese, SPLP	0.250	0.244	95	2	20	75 - 125	mg/L
Nickel, SPLP	0.250	0.237	95	2	20	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010B

S-SO-56394-DR-012010-1038

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids:
Laboratory ID: 1001056-PS1
Lab Source ID: 1002038-14

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 4 mL / 4 mL
QC Batch: 1001056
Sequence: 0B09014

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Aluminum, SPLP	80 - 120	1450	248	1250	96	ug/L
Barium, SPLP	80 - 120	320	78.3	250	97	ug/L
Iron, SPLP	80 - 120	752	534	250	87	ug/L
Manganese, SPLP	80 - 120	296	56.8	250	96	ug/L
Nickel, SPLP	80 - 120	240	3.32	250	95	ug/L

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010B

D-SO-56394-DR-012110-104

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids:
Laboratory ID: 1001058-PS1
Lab Source ID: 1002038-17

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 4 mL / 4 mL
QC Batch: 1001058
Sequence: 0B09014

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Aluminum, SPLP	80 - 120	1730	499	1250	99	ug/L
Barium, SPLP	80 - 120	275	34.3	250	96	ug/L
Iron, SPLP	80 - 120	480	236	250	98	ug/L
Manganese, SPLP	80 - 120	249	6.80	250	97	ug/L
Nickel, SPLP	80 - 120	241	-0.811	250	97	ug/L

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil

Laboratory ID: 1001056-BS1

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 25 mL
QC Batch: 1001056
Sequence: 0B09014

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Aluminum, SPLP	1.25	1.19	95	80 - 120	mg/L
Barium, SPLP	0.250	0.241	96	80 - 120	mg/L
Iron, SPLP	0.250	0.240	96	80 - 120	mg/L
Manganese, SPLP	0.250	0.239	95	80 - 120	mg/L
Nickel, SPLP	0.250	0.241	96	80 - 120	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil

Laboratory ID: 1001058-BS1

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 25 mL
QC Batch: 1001058
Sequence: 0B09014

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Aluminum, SPLP	1.25	1.14	91	80 - 120	mg/L
Barium, SPLP	0.250	0.231	93	80 - 120	mg/L
Iron, SPLP	0.250	0.230	92	80 - 120	mg/L
Manganese, SPLP	0.250	0.229	92	80 - 120	mg/L
Nickel, SPLP	0.250	0.228	91	80 - 120	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

SERIAL DILUTION
USEPA-6010B

S-SO-56394-DR-012010-1038

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids:
Laboratory ID: 0B09014-SRD1
QC Batch: 0B09014
Lab Source ID: 1002038-14
Sequence: 0B09014

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Aluminum, SPLP	248		194	J	22.0 #		ug/L	10
Barium, SPLP	78.3		75.4		4.0 #		ug/L	10
Iron, SPLP	534		518		3.0		ug/L	10
Manganese, SPLP	56.8		51.6	J	9.0 #		ug/L	10
Nickel, SPLP	3.32	U	-6.78	U	304.0 #		ug/L	10

* Values outside of QC limits

Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

SERIAL DILUTION
USEPA-6010B

SD-SO-56394-DR-012110-1049

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids:
Laboratory ID: 0B09014-SRD2
QC Batch: 0B09014
Lab Source ID: 1002038-17
Sequence: 0B09014

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Aluminum, SPLP	499		464	J	7.0 #		ug/L	10
Barium, SPLP	34.3		33.0	J	4.0 #		ug/L	10
Iron, SPLP	236		245		4.0		ug/L	10
Manganese, SPLP	6.80	J	0.416	U	94.0 #		ug/L	10
Nickel, SPLP	-0.811	U	-13.7	U	1589.0 #		ug/L	10

* Values outside of QC limits

Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810B

Client: SulTRAC

Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-011810-062	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011810-062	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011810-062	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011810-062	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011810-062	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011810-072	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011810-072	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011810-072	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011810-072	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011810-072	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011810-057	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011810-057	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011810-057	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011810-057	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011810-057	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-011910-1024	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-011910-1024	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-011910-1024	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-011910-1024	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-011910-1024	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	

: 00098

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810B

Client: SulTRAC

Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
SD-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
SD-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
SD-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
SD-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
SD-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011910-081	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011910-081	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011910-081	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011910-081	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011910-081	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011910-086	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011910-086	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011910-086	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011910-086	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011910-086	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	

00099

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810B

Client: SulTRAC

Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-011910-090	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	

00100

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810B

Client: SulTRAC

Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-DR-012010-1038	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810B

Client: SulTRAC

Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-DR-012110-1050	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810B

Client: SulTRAC Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012110-116	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/09/10	5	180	

: 00103

ICP-AES LINEAR RANGES
USEPA-6010B/200.7

Laboratory: TriMatrix SDG: PM011810B

Client: SulTRAC Project: Plainwell Mill

ICP-AES Instrument ID: 311

Analyte	Integration Time (sec)	Date Analyzed	Analyst	Concentration (ug/L)
Aluminum	0.2 - 20	2/1/2010	JMF	500,000
Arsenic	0.2 - 20	2/1/2010	JMF	100,000
Barium	0.2 - 20	2/1/2010	JMF	5,000
Beryllium	0.2 - 20	2/1/2010	JMF	5,000
Boron	0.2 - 20	2/1/2010	JMF	50,000
Cadmium	0.2 - 20	2/1/2010	JMF	20,000
Calcium	0.2 - 20	2/1/2010	JMF	500,000
Chromium	0.2 - 20	2/1/2010	JMF	50,000
Cobalt	0.2 - 20	2/1/2010	JMF	100,000
Copper	0.2 - 20	2/1/2010	JMF	100,000
Iron	0.2 - 20	2/1/2010	JMF	500,000
Lead	0.2 - 20	2/1/2010	JMF	100,000
Lithium	0.2 - 20	2/1/2010	JMF	10,000
Magnesium	0.2 - 20	2/1/2010	JMF	500,000
Manganese	0.2 - 20	2/1/2010	JMF	25,000
Molybdenum	0.2 - 20	2/1/2010	JMF	20,000
Nickel	0.2 - 20	2/1/2010	JMF	100,000
Potassium	0.2 - 20	2/1/2010	JMF	200,000
Selenium	0.2 - 20	2/1/2010	JMF	50,000
Silicon	0.2 - 20	2/1/2010	JMF	40,000
Silver	0.2 - 20	2/1/2010	JMF	5,000
Sodium	0.2 - 20	2/1/2010	JMF	500,000
Strontium	0.2 - 20	2/1/2010	JMF	2,000
Sulfur	0.2-20			
Thallium	0.2 - 20	2/1/2010	JMF	100,000
Tin	0.2 - 20	2/1/2010	JMF	100,000
Titanium	0.2 - 20	2/1/2010	JMF	100,000
Vanadium	0.2 - 20	2/1/2010	JMF	100,000
Zinc	0.2 - 20	2/1/2010	JMF	50,000

Comments:

ICP-AES INTERELEMENT CORRECTION FACTORS
USEPA-6010B/200.7

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810B

Client: SulTRAC

Project: Plainwell Mill

ICP-AES Instrument ID: 311

Date: 12-14-09

Time: 12:55 PM

Analyte	Wavelength (nm)	Interelement Correction Factors For:											
		Al	Ca	Cd	Ce	Co	Cr	Cu	Fe	Mg	Mn	Mo	Ni
Aluminum	396.146	n\a	-0.227336		-2.48994							17.9508	
Antimony	217.584							-1.45282	-3.00416				-1.90424
Arsenic	188.979				5.09174		2.19224						
Barium	455.403												
Beryllium	234.863	0.00696423							0.336166				
Boron	249.769					3.30937	-1.23095		-0.113012				
Cadmium	214.436	0.0720118						0.0718999	0.18317				0.912412
Calcium	315.874		n\a										
Chromium	205.563						n\a		-0.0615176				0.639461
Cobalt	228.616					n\a	-0.272718		0.0351399				0.263739
Copper	324.741					0.227876		n/a					
Iron	238.204					0.338581	0.232389		n\a	0.0548602	0.475594		
Lead	220.353				1.23155			2.61299					
Lithium	670.784												
Magnesium	279.071									n\a			
Manganese	257.610								-0.0375986		n/a		
Molybdenum	202.031											n/a	
Nickel	231.604				0.125286	1.60158						-1.78427	
Phosphorus	178.226												
Potassium	766.490												
Selenium	196.026				-3.33516				-1.17733				
Silver	328.068		-0.0114149		-4.81682				-0.130382				
Silicon	251.611								-0.256134				
Sodium	589.592												
Strontium	407.771												
Thallium	190.801				-7.39134	-7.39134							
Tin	189.927		-0.218228										
Titanium	334.946												
Vanadium	292.395				0.179046		0.321516		0.18293			-10.6504	
Zinc	206.200	0.0247642					0.403032		0.0566901	0.0267277		-0.735862	

: 00105

ICP-AES INTERELEMENT CORRECTION FACTORS
USEPA-6010B/200.7

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110B

Client: SulTRAC

Project: Plainwell Mill

ICP-AES Instrument ID: 311

Date: 12-14-09

Time: 12:55PM

Analyte	Wavelength (nm)	Interelement Correction Factors For:											
		Ti	V										
Aluminum	396.146	0.704418											
Antimony	217.584		1.66988										
Arsenic	188.979	6.72865											
Barium	455.403												
Beryllium	234.863												
Boron	249.769	0.702542											
Cadmium	214.436	-0.243047	-0.170012										
Calcium	315.874												
Chromium	205.563												
Cobalt	228.616	2.23794											
Copper	324.741	-0.602575	-0.323612										
Iron	238.204		-0.269921										
Lead	220.353	-0.674766											
Lithium	670.784												
Magnesium	279.071												
Manganese	257.610												
Molybdenum	202.031												
Nickel	231.604												
Phosphorus	178.226												
Potassium	766.490												
Selenium	196.026												
Silver	328.068		-0.222019										
Silicon	251.611	26.1893											
Sodium	589.592												
Strontium	407.771												
Thallium	190.801	-9.51371	-1.7968										
Tin	189.927												
Titanium	334.946	n\a											
Vanadium	292.395	0.631364	n\a										
Zinc	206.200												

69169

TriMatrix Laboratories, Inc.

SPLP Extraction Worksheet

Client	SulTRAC	SulTRAC	SulTRAC	SulTRAC
Sample Number	1002038-01	1002038-02	1002038-03	1002038-04
1.0 Sample Description (Liquid, solid, multi-phasic)	solid	solid	solid	solid

% Solids Determination

- All samples must undergo % solids determination. Only re-use the solids from this section for the fluid determination. Discard any other solids/filtrates from this section!

2.1 Analyst /Date	RDB 12/3/10	RDB 12/3/10	RDB 12/3/10	RDB 12/3/10
2.2	g	g	g	g
2.3	g	g	g	g
Particle Size Reduction (Y/N)	Y (N)	Y (N)	Y (N)	Y (N)
2.4	g	g	g	g
2.5 Actual Sample Weight (100g min.)	g	g	g	g
2.6 Total Volume Filtrate(s)	mL	mL	mL	mL

Label the phases of the same number, A=Aqueous, B=Oil, C=Organic Phase, D= Other Phase. Make sure ALL Lab areas are aware of any Multi-phasic samples!

Phase A: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase B: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase C: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase D: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
2.7 Weight Of Wet Solids (Filter paper wt. + wet solids)	g	g	g	g
2.8 % Wet Solids {(wt. wet solids- wt. filter paper)/ act. samp. wt.} x100	%	%	%	%

- If % wet solids, are >0.5%, but < 100%, then use equation: (100g/ % wet solids) x 100 to determine the actual amount of sample to set up the SPLP in Section 4.3. Also, do the % dry solids to complete all sample records

- If sample is 100% solid, proceed to Section 4.2. If sample is oily and % wet solids are low, then proceed with the % dry solids.

2.9 Weight of Dry Solids (Wt. of filter paper + dry solids)	g	g	g	g
- Sample must be dried at 100C +/- 20C for two readings within +/- 1%.				
2.10 % Dry Solids {(wt. dry solids- wt filter paper)/Act. samp. wt. } x100	100 %	100 %	100 %	100 %

-If % dry solids are <0.5%, then the filtrate = the SPLP leachate. Sample is 100% liquid. Filter enough sample for all lab areas (see Section 6.3.4 for actual amounts).

-If the sample is oily, the % dry solids are low but not <0.5%, and if there are no "visible " solids on the filter paper, then the oil filtrate = the SPLP leachate (since there is only oil caught in the filter paper.)

Make sure all lab areas receive adequate aliquots of filtrate: Metals-40 mL vial, Prep Lab-40 mL vial. PLEASE, record in Narrative (Section 7) that sample was oily and filtrate=SPLP leachate.

Fluid Determination

3.1 Analyst / Date	RDB 12/3/10	RDB 12/3/10	RDB 12/3/10	RDB 12/3/10
3.2 Particle Size Reduction (Y/N). If No, explain in Narrative, Section 7	Y (N)	Y (N)	Y (N)	Y (N)
3.3 To determine what SPLP fluid to use, follow these guidelines:				
3.3.1 - for samples taken east of the Mississippi River and for wastes/wastewaters, use SPLP fluid #1.				
3.3.2 - for samples taken west of the Mississippi River, use SPLP fluid #2.				
3.3.3 - for samples containing cyanide and for volatiles, use SPLP fluid #3.				
3.3.4 - or check for a client specific fluid request.				
3.4 Record Extraction Fluid Type (1, 2 or 3)	(1) 2 3	(1) 2 3	(1) 2 3	(1) 2 3
3.5	#18.5	#18.5	#18.5	#18.5
3.6 Date Calibrated	2/3/10	2/3/10	2/3/10	2/3/10

89197

TriMatrix Laboratories, Inc. SPLP Extraction Worksheet

		Sample Number	1002038-01	1002038-02	1002038-03	1002038-04
Sample Size For SPLP Set-up						
4.1	For 100% solid sample, weight used (100 g minimum)		100.0 g	100.0 g	100.0 g	100.0 g
4.2	If % solids were >0.5% and <100%, then record:					
4.2.1	Adjusted amount of sample to yield 100g (from Section 2.)		g	g	g	g
4.2.2	Actual weight of sample (sample - weight of filter papers)		g	g	g	g
4.2.3	Total Amount of Miscible Filtrate(s) (from Section 2.6.)		mL	mL	mL	mL
4.3	For 100% liquid sample, record filtrate volumes for all lab areas in Section 6.3.4		ml	ml	ml	ml
4.4	Particle Size Reduction (Y/N)		Y (N)	Y (N)	Y (N)	Y (N)
Amount of Extraction Fluid (added by weight) For SPLP Set-up.						
5.1	Extraction Fluid (1, 2 or 3) and Batch I.D.		EF/ 144	EF/ 144	EF/ 144	EF/ 144
5.2	pH of Extraction Fluid		pH 4.15	pH 4.15	pH 4.15	pH 4.15
5.3	20 x Actual solid weight (from Section 4.1 or 4.2.2)		2000.0 g	2000.0 g	2000.0 g	2000.0 g
SPLP Extraction Record						
6.1	Analyst @ set-up/ Date (MM-DD-YY)		MAS 12/4/10	MAS 12/4/10	MAS 12/4/10	MAS 12/4/10
6.1.1	Initial Temperature @ set-up (23+/- 2 C)		22 C	22 C	22 C	22 C
6.1.2	Tumbler I.D. / RPM (30+/-2 RPM)		1 @ 32	1 @ 32	1 @ 32	1 @ 32
6.2	Tumbling Times					
6.2.1	Time started		1:45pm	1:45pm	1:45pm	1:45pm
6.2.2	Time completed		6:00Am	6:00Am	6:00Am	6:00Am
6.3	Analyst @ completion/ Date (MM-DD-YY)		MAS 12/5/10	MAS 12/5/10	MAS 12/5/10	MAS 12/5/10
6.3.1	Final Temperature @ completion (23+/-2 C)		22 25 C	22 25 C	22 25 C	22 25 C
6.3.2	Initial miscible phase added back to filtered leachate(Y/N). If N, explain in section 7.0		Y (N)	Y (N)	Y (N)	Y (N)
6.3.3	Final pH of leachate (Not preserved)		7.33	7.45	7.20	7.52
6.3.3.1	pH meter I.D.		#185	#185	#185	#185
6.3.3.2			MAS 102-05-16	MAS 102-05-16	MAS 102-05-16	MAS 102-05-16
6.3.4	Final Volume of Leachate Collected (mL)		2000.0 mL	2000.0 mL	2000.0 mL	2000.0 mL
6.3.4.1	Metals Lab (normal aliquot =1L ; min aliquot =200 mL)		500.0 mL	500.0 mL	500.0 mL	500.0 mL
6.3.4.2	Prep Lab (normal aliquot=500 mL to 1L ; min aliquot = 500mL)		mL	mL	mL	mL
6.3.4.3	Inorganic Lab (Check with Supervisor for aliquot amount)		mL	mL	mL	mL
6.3.5	Volume of non-miscible phase collected (see Section 2.6)		mL	mL	mL	mL
6.3.5.1	Metals Lab (normal aliquot= 20 mL)		mL	mL	mL	mL
6.3.5.2	Prep Lab (normal aliquot = 40 mL)		mL	mL	mL	mL
6.3.5.3	Inorganic Lab (Check with Supervisor for aliquot amount)		mL	mL	mL	mL
6.3.6	Metals Only:					
6.3.6.1	Analyst/ Date		MAS 102-05-10	MAS 102-05-10	MAS 102-05-10	MAS 102-05-10
6.3.6.2	Metals spikes used, please list					
6.3.6.3	Preservation (pH < 2), Record actual pH		pH 1.40	pH 1.69	pH 1.92	pH 1.31

7.0 Narratives/ Comments: FP Lot# 9045007

001198

TriMatrix Laboratories, Inc. SPLP Extraction Worksheet

Client	SulTRAC	SulTRAC	SulTRAC	SulTRAC
Sample Number	1002038-05	1002038-06	1002038-07	1002038-08
1.0 Sample Description (Liquid, solid, multi-phasic)	Solid	Solid	Solid	Solid

% Solids Determination

- All samples must undergo % solids determination. Only re-use the solids from this section for the fluid determination. Discard any other solids/filtrates from this section!

2.1 Analyst /Date	ROB 12/3/10	ROB 12/3/10	ROB 12/3/10	ROB 12/3/10
2.2	g	g	g	g
2.3	g	g	g	g
Particle Size Reduction (Y/N)	Y (N)	Y (N)	Y (N)	Y (N)
2.4	g	g	g	g
2.5 Actual Sample Weight (100g min.)	g	g	g	g
2.6 Total Volume Filtrate(s)	mL	mL	mL	mL

Label the phases of the same number, A=Aqueous, B=Oil, C=Organic Phase, D= Other Phase. Make sure ALL Lab areas are aware of any Multi-phasic samples!

Phase A: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase B: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase C: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase D: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
2.7 Weight Of Wet Solids (Filter paper wt. + wet solids)	g	g	g	g
2.8 % Wet Solids {(wt. wet solids- wt. filter paper)/ act. samp. wt.} x100	%	%	%	%

- If % wet solids, are >0.5%, but < 100%, then use equation: (100g/ % wet solids) x 100 to determine the actual amount of sample to set up the SPLP in Section 4.3. Also, do the % dry solids to complete all sample records

- If sample is 100% solid, proceed to Section 4.2. If sample is oily and % wet solids are low, then proceed with the % dry solids.

2.9 Weight of Dry Solids (Wt. of filter paper + dry solids)	g	g	g	g
- Sample must be dried at 100C +/- 20C for two readings within +/- 1%.				
2.10 % Dry Solids {(wt. dry solids- wt filter paper)/Act. samp. wt. } x100	100 %	100 %	100 %	100 %

-If % dry solids are <0.5%, then the filtrate = the SPLP leachate. Sample is 100% liquid. Filter enough sample for all lab areas (see Section 6.3.4 for actual amounts).

-If the sample is oily, the % dry solids are low but not <0.5%, and if there are no "visible " solids on the filter paper, then the oil filtrate = the SPLP leachate (since there is only oil caught in the filter paper.)

Make sure all lab areas receive adequate aliquots of filtrate: Metals-40 mL vial, Prep Lab-40 mL vial. PLEASE, record in Narrative (Section 7) that sample was oily and filtrate=SPLP leachate.

Fluid Determination

3.1 Analyst / Date	ROB 12/3/10	ROB 12/3/10	ROB 12/3/10	ROB 12/3/10
3.2 Particle Size Reduction (Y/N). If No, explain in Narrative, Section 7	Y (N)	Y (N)	Y (N)	Y (N)

3.3 To determine what SPLP fluid to use, follow these guidelines:

- 3.3.1 - for samples taken east of the Mississippi River and for wastes/wastewaters, use SPLP fluid #1.
- 3.3.2 - for samples taken west of the Mississippi River, use SPLP fluid #2.
- 3.3.3 - for samples containing cyanide and for volatiles, use SPLP fluid #3.
- 3.3.4 - *or check for a client specific fluid request.*

3.4 Record Extraction Fluid Type (1, 2 or 3)	(1) 2 3	(1) 2 3	(1) 2 3	(1) 2 3
3.5	#18.5	#18.5	#18.5	#18.5
3.6 Date Calibrated	2/3/10	2/3/10	2/3/10	2/3/10

TriMatrix Laboratories, Inc.

SPLP Extraction Worksheet

	Sample Number	1002038-05	1002038-06	1002038-07	1002038-08
Sample Size For SPLP Set-up					
4.1	For 100% solid sample, weight used (100 g minimum)	100.0 g	100.0 g	100.0 g	100.0 g
4.2	If % solids were >0.5% and <100%, then record:				
4.2.1	Adjusted amount of sample to yield 100g (from Section 2.)	g	g	g	g
4.2.2	Actual weight of sample (sample - weight of filter papers)	g	g	g	g
4.2.3	Total Amount of Miscible Filtrate(s) (from Section 2.6.)	mL	mL	mL	mL
4.3	For 100% liquid sample, record filtrate volumes for all lab areas in Section 6.3.4	ml	ml	ml	ml
4.4	Particle Size Reduction (Y/N).	Y (N)	Y (N)	Y (N)	Y (N)
Amount of Extraction Fluid (added by weight) For SPLP Set-up.					
5.1	Extraction Fluid (1, 2 or 3) and Batch I.D.	EF 1 144	EF 1 144	EF 1 144	EF 1 144
5.2	pH of Extraction Fluid	pH 4.15	pH 4.15	pH 4.15	pH 4.15
5.3	20 x Actual solid weight (from Section 4.1 or 4.2.2)	2000.0 g	2000.0 g	2000.0 g	2000.0 g
SPLP Extraction Record					
6.1	Analyst @ set-up/ Date (MM-DD-YY)	MAS 12/4/10	MAS 12/4/10	MAS 12/4/10	MAS 12/4/10
6.1.1	Initial Temperature @ set-up (23+/- 2 C)	22 C	22 C	22 C	22 C
6.1.2	Tumbler I.D. / RPM (30+/-2 RPM)	1 @ 32	2 @ 32	2 @ 32	2 @ 32
6.2	Tumbling Times				
6.2.1	Time started	1:45pm	1:45pm	1:45pm	1:45pm
6.2.2	Time completed	6:00Am	6:00Am	6:00Am	6:00Am
6.3	Analyst @ completion/ Date (MM-DD-YY)	MAS 12/5/10	MAS 12/5/10	MAS 12/5/10	MAS 12/5/10
6.3.1	Final Temperature @ completion (23+/-2 C)	22 25C	22 25C	22 25C	22 25C
6.3.2	Initial miscible phase added back to filtered leachate(Y/N). If N, explain in section 7.0	Y (N)	Y (N)	Y (N)	Y (N)
6.3.3	Final pH of leachate (Not preserved)	5.20	5.05	4.28	7.38
6.3.3.1	pH meter I.D.	#185	#185	#185	#185
6.3.3.2		MAS 102-05-10	MAS 102-05-10	MAS 102-05-10	MAS 102-05-10
6.3.4	Final Volume of Leachate Collected (mL)	2000.0 mL	2000.0 mL	2000.0 mL	2000.0 mL
6.3.4.1	Metals Lab (normal aliquot =1L ; min aliquot =200 mL)	500.0 mL	500.0 mL	500.0 mL	500.0 mL
6.3.4.2	Prep Lab (normal aliquot=500 mL to 1L ; min aliquot = 500mL)	mL	mL	mL	mL
6.3.4.3	Inorganic Lab (Check with Supervisor for aliquot amount)	mL	mL	mL	mL
6.3.5	Volume of non-miscible phase collected (see Section 2.6)	mL	mL	mL	mL
6.3.5.1	Metals Lab (normal aliquot= 20 mL)	mL	mL	mL	mL
6.3.5.2	Prep Lab (normal aliquot = 40 mL)	mL	mL	mL	mL
6.3.5.3	Inorganic Lab (Check with Supervisor for aliquot amount)	mL	mL	mL	mL
6.3.6	Metals Only:				
6.3.6.1	Analyst/ Date	MAS 102-05-10	MAS 102-05-10	MAS 102-05-10	MAS 102-05-10
6.3.6.2	Metals spikes used, please list				
6.3.6.3	Preservation (pH < 2), Record actual pH	pH 1.43	pH 1.74	pH 1.69	pH 1.68

7.0 **Narratives/ Comments:** FP Lot # 904502Z

00110

TriMatrix Laboratories, Inc.

SPLP Extraction Worksheet

MS/MSD

09111

Client	SulTRAC	SulTRAC	SulTRAC	SulTRAC
Sample Number	1002038-09	1002038-10	1002038-11	1002038-12
1.0 Sample Description (Liquid, solid, multi-phasic)	solid	solid	solid	solid

% Solids Determination

- All samples must undergo % solids determination. Only re-use the solids from this section for the fluid determination. Discard any other solids/filtrates from this section!

2.1 Analyst /Date	ROB 12/3/10	ROB 12/3/10	ROB 12/3/10	ROB 12/3/10
2.2	g	g	g	g
2.3	g	g	g	g
Particle Size Reduction (Y/N)	Y (N)	Y (N)	Y (N)	Y (N)
2.4	g	g	g	g
2.5 Actual Sample Weight (100g min.)	g	g	g	g
2.6 Total Volume Filtrate(s)	mL	mL	mL	mL

Label the phases of the same number, A=Aqueous, B=Oil, C=Organic Phase, D= Other Phase. Make sure ALL Lab areas are aware of any Multi-phasic samples!

Phase A: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase B: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase C: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase D: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
2.7 Weight Of Wet Solids (Filter paper wt. + wet solids)	g	g	g	g
2.8 % Wet Solids {(wt. wet solids- wt. filter paper)/ act. samp. wt.} x100	%	%	%	%

- If % wet solids, are >0.5%, but < 100%, then use equation: (100g/ % wet solids) x 100 to determine the actual amount of sample to set up the SPLP in Section 4.3. Also, do the % dry solids to complete all sample records
- If sample is 100% solid, proceed to Section 4.2. If sample is oily and % wet solids are low, then proceed with the % dry solids.

2.9 Weight of Dry Solids (Wt. of filter paper + dry solids)	g	g	g	g
- Sample must be dried at 100C +/- 20C for two readings within +/- 1%.				
2.10 % Dry Solids {(wt. dry solids- wt filter paper)/Act. samp. wt. } x100	100 %	100 %	100 %	100 %

-If % dry solids are <0.5%, then the filtrate = the SPLP leachate. Sample is 100% liquid. Filter enough sample for all lab areas (see Section 6.3.4 for actual amounts).

-If the sample is oily, the % dry solids are low but not <0.5%, and if there are no "visible " solids on the filter paper, then the oil filtrate = the SPLP leachate (since there is only oil caught in the filter paper.)

Make sure all lab areas receive adequate aliquots of filtrate: Metals-40 mL vial, Prep Lab-40 mL vial. PLEASE, record in Narrative (Section 7) that sample was oily and filtrate=SPLP leachate.

Fluid Determination

3.1 Analyst / Date	ROB 12/3/10	ROB 12/3/10	ROB 12/3/10	ROB 12/3/10
3.2 Particle Size Reduction (Y/N). If No, explain in Narrative, Section 7	Y (N)	Y (N)	Y (N)	Y (N)

3.3 To determine what SPLP fluid to use, follow these guidelines:

- 3.3.1 - for samples taken east of the Mississippi River and for wastes/wastewaters, use SPLP fluid #1.
- 3.3.2 - for samples taken west of the Mississippi River, use SPLP fluid #2.
- 3.3.3 - for samples containing cyanide and for volatiles, use SPLP fluid #3.
- 3.3.4 - or check for a client specific fluid request.

3.4 Record Extraction Fluid Type (1, 2 or 3)	(1) 2 3	(1) 2 3	(1) 2 3	(1) 2 3
3.5	#1&5	#1&5	#1&5	#1&5
3.6 Date Calibrated	2/3/10	2/3/10	2/3/10	2/3/10

TriMatrix Laboratories, Inc.

SPLP Extraction Worksheet

		Sample Number	1002038-09	1002038-10	1002038-11	1002038-12
Sample Size For SPLP Set-up						
4.1	For 100% solid sample, weight used (100 g minimum)		100.0 g	100.0 g	100.0 g	100.0 g
4.2	If % solids were >0.5% and <100%, then record:					
4.2.1	Adjusted amount of sample to yield 100g (from Section 2.)		g	g	g	g
4.2.2	Actual weight of sample (sample - weight of filter papers)		g	g	g	g
4.2.3	Total Amount of Miscible Filtrate(s) (from Section 2.6.)		mL	mL	mL	mL
4.3	For 100% liquid sample, record filtrate volumes for all lab areas in Section 6.3.4		ml	ml	ml	ml
4.4	Particle Size Reduction (Y/N).		Y (N)	Y (N)	Y (N)	Y (N)
Amount of Extraction Fluid (added by weight) For SPLP Set-up.						
5.1	Extraction Fluid (1, 2 or 3) and Batch I.D.		EF 1 144	EF 1 144	EF 1 144	EF 1 144
5.2	pH of Extraction Fluid		pH 4.15	pH 4.15	pH 4.15	pH 4.15
5.3	20 x Actual solid weight (from Section 4.1 or 4.2.2).		2000.0 g	2000.0 g	2000.0 g	2000.0 g
SPLP Extraction Record						
6.1	Analyst @ set-up/ Date (MM-DD-YY)		MAS 12/4/10	MAS 12/4/10	MAS 12/4/10	MAS 12/4/10
6.1.1	Initial Temperature @ set-up (23+/- 2 C)		22 C	22 C	22 C	22 C
6.1.2	Tumbler I.D. / RPM (30+/-2 RPM)		2 @ 32	2 @ 32	2 @ 32	2 @ 32
6.2	Tumbling Times					
6.2.1	Time started		1:45pm	1:45pm	1:45pm	1:45pm
6.2.2	Time completed		6:00Am	6:00Am	6:00Am	6:00Am
6.3	Analyst @ completion/ Date (MM-DD-YY)		MAS 12/5/10	MAS 12/5/10	MAS 12/5/10	MAS 12/5/10
6.3.1	Final Temperature @ completion (23+/-2 C)		22 25 C	22 25 C	22 25 C	22 25 C
6.3.2	Initial miscible phase added back to filtered leachate(Y/N). If N, explain in section 7.0		Y (N)	Y (N)	Y (N)	Y (N)
6.3.3	Final pH of leachate (Not preserved)		8.02	7.71	9.10	8.35
6.3.3.1	pH meter I.D.		#185	#185	#185	#185
6.3.3.2			MAS 10/2/05/10	MAS 10/2/05/10	MAS 10/2/05/10	MAS 10/2/05/10
6.3.4	Final Volume of Leachate Collected (mL)		2000.0 mL	2000.0 mL	2000.0 mL	2000.0 mL
6.3.4.1	Metals Lab (normal aliquot =1L ; min aliquot =200 mL)		500.0 mL	500.0 mL	500.0 mL	500.0 mL
6.3.4.2	Prep Lab (normal aliquot=500 mL to 1L ; min aliquot = 500mL)		mL	mL	mL	mL
6.3.4.3	Inorganic Lab (Check with Supervisor for aliquot amount)		mL	mL	mL	mL
6.3.5	Volume of non-miscible phase collected (see Section 2.6)		mL	mL	mL	mL
6.3.5.1	Metals Lab (normal aliquot= 20 mL)		mL	mL	mL	mL
6.3.5.2	Prep Lab (normal aliquot = 40 mL)		mL	mL	mL	mL
6.3.5.3	Inorganic Lab (Check with Supervisor for aliquot amount)		mL	mL	mL	mL
6.3.6	Metals Only:					
6.3.6.1	Analyst/ Date		MAS 10/2/05/10	MAS 10/2/05/10	MAS 10/2/05/10	MAS 10/2-05-10
6.3.6.2	Metals spikes used, please list					icpmspk 9120124 9122135 +10mL
6.3.6.3	Preservation (pH < 2), Record actual pH		pH 1.72	pH 1.56	pH 1.58	pH 1.69

7.0 Narratives/ Comments: FP Lot # 9045007 6020

: 90112

TriMatrix Laboratories, Inc.

SPLP Extraction Worksheet

MS/MSD

Client	SalTRAC	SalTRAC	SalTRAC	SalTRAC
Sample Number	1002038-13	1002038-14	1002038-15	1002038-16
1.0 Sample Description (Liquid, solid, multi-phasic)	solid	solid	solid	solid

% Solids Determination

- All samples must undergo % solids determination. Only re-use the solids from this section for the fluid determination. Discard any other solids/filtrates from this section!

2.1 Analyst /Date	ROB 12/3/10	ROB 12/3/10	ROB 12/3/10	ROB 12/3/10
2.2	g	g	g	g
2.3	g	g	g	g
Particle Size Reduction (Y/N)	Y (N)	Y (N)	Y (N)	Y (N)
2.4	g	g	g	g
2.5 Actual Sample Weight (100g min.)	g	g	g	g
2.6 Total Volume Filtrate(s)	mL	mL	mL	mL

Label the phases of the same number, A=Aqueous, B=Oil, C=Organic Phase, D= Other Phase. Make sure ALL Lab areas are aware of any Multi-phasic samples!

Phase A: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase B: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase C: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase D: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
2.7 Weight Of Wet Solids (Filter paper wt. + wet solids)	g	g	g	g
2.8 % Wet Solids {(wt. wet solids- wt. filter paper)/ act. samp. wt.} x100	%	%	%	%

- If % wet solids, are >0.5%, but < 100%, then use equation: (100g/ % wet solids) x 100 to determine the actual amount of sample to set up the SPLP in Section 4.3. Also, do the % dry solids to complete all sample records

- If sample is 100% solid, proceed to Section 4.2. If sample is oily and % wet solids are low, then proceed with the % dry solids.

2.9 Weight of Dry Solids (Wt. of filter paper + dry solids)	g	g	g	g
- Sample must be dried at 100C +/- 20C for two readings within +/- 1%.				
2.10 % Dry Solids {(wt. dry solids- wt filter paper)/Act. samp. wt. } x100	100 %	100 %	100 %	100 %

-If % dry solids are <0.5%, then the filtrate = the SPLP leachate. Sample is 100% liquid. Filter enough sample for all lab areas (see Section 6.3.4 for actual amounts).

-If the sample is oily, the % dry solids are low but not <0.5%, and if there are no "visible " solids on the filter paper, then the oil filtrate = the SPLP leachate (since there is only oil caught in the filter paper.)

Make sure all lab areas receive adequate aliquots of filtrate: Metals-40 mL vial, Prep Lab-40 mL vial. PLEASE, record in Narrative (Section 7) that sample was oily and filtrate=SPLP leachate.

Fluid Determination

3.1 Analyst / Date	ROB 12/3/10	ROB 12/3/10	ROB 12/3/10	ROB 12/3/10
3.2 Particle Size Reduction (Y/N). If No, explain in Narrative, Section 7	Y (N)	Y (N)	Y (N)	Y (N)
3.3 To determine what SPLP fluid to use, follow these guidelines:				
3.3.1 - for samples taken east of the Mississippi River and for wastes/wastewaters, use SPLP fluid #1.				
3.3.2 - for samples taken west of the Mississippi River, use SPLP fluid #2.				
3.3.3 - for samples containing cyanide and for volatiles, use SPLP fluid #3.				
3.3.4 - or check for a client specific fluid request.				
3.4 Record Extraction Fluid Type (1, 2 or 3)	(1) 2 3	(1) 2 3	(1) 2 3	(1) 2 3
3.5	#1 S	#1 S	#1 S	#1 S
3.6 Date Calibrated	2/3/10	2/3/10	2/3/10	2/3/10

00113

TriMatrix Laboratories, Inc. SPLP Extraction Worksheet

	Sample Number	1002038-13	1002038-14	1002038-15	1002038-16
Sample Size For SPLP Set-up					
4.1	For 100% solid sample, weight used (100 g minimum)	100.0 g	100.0 g	100.0 g	100.0 g
4.2	If % solids were >0.5% and <100%, then record:				
4.2.1	Adjusted amount of sample to yield 100g (from Section 2.)	g	g	g	g
4.2.2	Actual weight of sample (sample - weight of filter papers)	g	g	g	g
4.2.3	Total Amount of Miscible Filtrate(s) (from Section 2.6.)	mL	mL	mL	mL
4.3	For 100% liquid sample, record filtrate volumes for all lab areas in Section 6.3.4	ml	ml	ml	ml
4.4	Particle Size Reduction (Y/N)	Y (N)	Y (N)	Y (N)	Y (N)
Amount of Extraction Fluid (added by weight) For SPLP Set-up.					
5.1	Extraction Fluid (1, 2 or 3) and Batch I.D.	EF/ 144	EF / 144	EF / 144	EF / 144
5.2	pH of Extraction Fluid	pH 4.15	pH 4.15	pH 4.16	pH 4.15
5.3	20 x Actual solid weight (from Section 4.1 or 4.2.2)	2000.0 g	2000.0 g	2000.0 g	2000.0 g
SPLP Extraction Record					
6.1	Analyst @ set-up/ Date (MM-DD-YY)	MAS 12/14/10	MAS 12/14/10	MAS 12/14/10	MAS 12/14/10
6.1.1	Initial Temperature @ set-up (23+/- 2 C)	22 C	22 C	22 C	22 C
6.1.2	Tumbler I.D. / RPM (30+/-2 RPM)	2 @ 32	3 @ 32	3 @ 32	3 @ 32
6.2	Tumbling Times				
6.2.1	Time started	1:45 pm	1:45 pm	1:45 pm	1:45 pm
6.2.2	Time completed	6:00 Am	6:00 Am	6:00 Am	6:00 Am
6.3	Analyst @ completion/ Date (MM-DD-YY)	MAS 12/15/10	MAS 12/15/10	MAS 12/15/10	MAS 12/15/10
6.3.1	Final Temperature @ completion (23+/-2 C)	22 25 C	22 25 C	22 25 C	22 25 C
6.3.2	Initial miscible phase added back to filtered leachate(Y/N). If N, explain in section 7.0	Y (N)	Y (N)	Y (N)	Y (N)
6.3.3	Final pH of leachate (Not preserved)	8.97	7.96	9.07	8.71
6.3.3.1	pH meter I.D.	#185	#185	#185	#185
6.3.3.2		MAS 102/05/10	MAS 102/05/10	MAS 102/05/10	MAS 102/05/10
6.3.4	Final Volume of Leachate Collected (mL)	2000.0 mL	2000.0 mL	2000.0 mL	2000.0 mL
6.3.4.1	Metals Lab (normal aliquot =1L ; min aliquot =200 mL)	500.0 mL	500.0 mL	500.0 mL	500.0 mL
6.3.4.2	Prep Lab (normal aliquot=500 mL to 1L ; min aliquot = 500mL)	mL	mL	mL	mL
6.3.4.3	Inorganic Lab (Check with Supervisor for aliquot amount)	mL	mL	mL	mL
6.3.5	Volume of non-miscible phase collected (see Section 2.6)	mL	mL	mL	mL
6.3.5.1	Metals Lab (normal aliquot= 20 mL)	mL	mL	mL	mL
6.3.5.2	Prep Lab (normal aliquot = 40 mL)	mL	mL	mL	mL
6.3.5.3	Inorganic Lab (Check with Supervisor for aliquot amount)	mL	mL	mL	mL
6.3.6	Metals Only:				
6.3.6.1	Analyst/ Date	MAS 102-05-10	MAS 102-05-10	MAS 102-05-10	MAS 102-05-10
6.3.6.2	Metals spikes used, please list		icp 91.0897.0 +500ul 91.0897.1 icpms 91.2C124 +10ml 91.2M125		
6.3.6.3	Preservation (pH < 2), Record actual pH	pH 1.86	pH 1.31	pH 1.70	pH 1.92

7.0 **Narratives/ Comments:** FP Lot# 045007 All SPK ICP ICPMS Hg = 9100898

TriMatrix Laboratories, Inc.

SPLP Extraction Worksheet

MS/MSD

Client	SulTRAC	SulTRAC	SulTRAC	SulTRAC
Sample Number	1002038-17	1002038-18	1002038-19	1002038-20
1.0 Sample Description (Liquid, solid, multi-phasic)	solid	solid	solid	solid

% Solids Determination

- All samples must undergo % solids determination. Only re-use the solids from this section for the fluid determination. Discard any other solids/filtrates from this section!

2.1 Analyst /Date	ROS 12/3/10	ROS 12/3/10	ROS 12/3/10	ROS 12/3/10
2.2	g	g	g	g
2.3	g	g	g	g
Particle Size Reduction (Y/N)	Y (N)	Y (N)	Y (N)	Y (N)
2.4	g	g	g	g
2.5 Actual Sample Weight (100g min.)	g	g	g	g
2.6 Total Volume Filtrate(s)	mL	mL	mL	mL

Label the phases of the same number, A=Aqueous, B=Oil, C=Organic Phase, D= Other Phase. Make sure ALL Lab areas are aware of any Multi-phasic samples!

Phase A: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase B: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase C: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase D: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
2.7 Weight Of Wet Solids (Filter paper wt. + wet solids)	g	g	g	g
2.8 % Wet Solids {(wt. wet solids- wt. filter paper)/ act. samp. wt.} x100	%	%	%	%

- If % wet solids, are >0.5%, but < 100%, then use equation: (100g/ % wet solids) x 100 to determine the actual amount of sample to set up the SPLP in Section 4.3. Also, do the % dry solids to complete all sample records
- If sample is 100% solid, proceed to Section 4.2. If sample is oily and % wet solids are low, then proceed with the % dry solids.

2.9 Weight of Dry Solids (Wt. of filter paper + dry solids)	g	g	g	g
- Sample must be dried at 100C +/- 20C for two readings within +/- 1%.				
2.10 % Dry Solids {(wt. dry solids- wt filter paper)/Act. samp. wt. } x100	100 %	100 %	100 %	100 %

-If % dry solids are <0.5%, then the filtrate = the SPLP leachate. Sample is 100% liquid. Filter enough sample for all lab areas (see Section 6.3.4 for actual amounts).

-If the sample is oily, the % dry solids are low but not <0.5%, and if there are no "visible " solids on the filter paper, then the oil filtrate = the SPLP leachate (since there is only oil caught in the filter paper.)

Make sure all lab areas receive adequate aliquots of filtrate: Metals-40 mL vial, Prep Lab-40 mL vial. PLEASE, record in Narrative (Section 7) that sample was oily and filtrate=SPLP leachate.

Fluid Determination

3.1 Analyst / Date	ROS 12/3/10	ROS 12/3/10	ROS 12/3/10	ROS 12/3/10
3.2 Particle Size Reduction (Y/N). If No, explain in Narrative, Section 7	Y (N)	Y (N)	Y (N)	Y (N)
3.3 To determine what SPLP fluid to use, follow these guidelines:				
3.3.1 - for samples taken east of the Mississippi River and for wastes/wastewaters, use SPLP fluid #1.				
3.3.2 - for samples taken west of the Mississippi River, use SPLP fluid #2.				
3.3.3 - for samples containing cyanide and for volatiles, use SPLP fluid #3.				
3.3.4 - or check for a client specific fluid request.				
3.4 Record Extraction Fluid Type (1, 2 or 3)	(1) 2 3	(1) 2 3	(1) 2 3	(1) 2 3
3.5	#18.5	#18.5	#18.5	#18.5
3.6 Date Calibrated	2/3/10	2/3/10	2/3/10	2/3/10

TriMatrix Laboratories, Inc.

SPLP Extraction Worksheet

	Sample Number	1002038-17	1002038-18	1002038-19	1002038-20
Sample Size For SPLP Set-up					
4.1	For 100% solid sample, weight used (100 g minimum)	100.0 g	100.0 g	100.0 g	100.0 g
4.2	If % solids were >0.5% and <100%, then record:				
4.2.1	Adjusted amount of sample to yield 100g (from Section 2.)	g	g	g	g
4.2.2	Actual weight of sample (sample - weight of filter papers)	g	g	g	g
4.2.3	Total Amount of Miscible Filtrate(s) (from Section 2.6.)	mL	mL	mL	mL
4.3	For 100% liquid sample, record filtrate volumes for all lab areas in Section 6.3.4	ml	ml	ml	ml
4.4	Particle Size Reduction (Y/N)	Y (N)	Y (N)	Y (N)	Y (N)
Amount of Extraction Fluid (added by weight) For SPLP Set-up.					
5.1	Extraction Fluid (1, 2 or 3) and Batch I.D.	EF 1 144	EF 1 144	EF 1 144	EF 1 144
5.2	pH of Extraction Fluid	pH 4.15	pH 4.15	pH 4.15	pH 4.15
5.3	20 x Actual solid weight (from Section 4.1 or 4.2.2)	2000.0 g	2000.0 g	2000.0 g	2000.0 g
SPLP Extraction Record					
6.1	Analyst @ set-up/ Date (MM-DD-YY)	MAS 12/4/10	MAS 12/4/10	MAS 12/4/10	MAS 12/4/10
6.1.1	Initial Temperature @ set-up (23+/- 2 C)	22 C	22 C	22 C	22 C
6.1.2	Tumbler I.D. / RPM (30+/-2 RPM)	3 @ 32	3 @ 32	3 @ 32	4 @ 32
6.2	Tumbling Times				
6.2.1	Time started	1:45pm	1:45pm	1:45pm	1:45pm
6.2.2	Time completed	6:00Am	6:00Am	6:00Am	6:00Am
6.3	Analyst @ completion/ Date (MM-DD-YY)	MAS 12/5/10	MAS 12/5/10	MAS 12/5/10	MAS 12/5/10
6.3.1	Final Temperature @ completion (23+/-2 C)	22 25C	22 25 C	22 25C	22 25 C
6.3.2	Initial miscible phase added back to filtered leachate(Y/N). If N, explain in section 7.0	Y (N)	Y (N)	Y (N)	Y (N)
6.3.3	Final pH of leachate (Not preserved)	8.26	8.57	8.03	9.22
6.3.3.1	pH meter I.D.	#185	#185	#185	#185
6.3.3.2		MAS 102-05-10	MAS 102-05-10	MAS 102-05-10	MAS 102-05-10
6.3.4	Final Volume of Leachate Collected (mL)	2000.0 mL	2000.0 mL	2000.0 mL	2000.0 mL
6.3.4.1	Metals Lab (normal aliquot =1L ; min aliquot =200 mL)	500.0 mL	500.0 mL	500.0 mL	500.0 mL
6.3.4.2	Prep Lab (normal aliquot=500 mL to 1L ; min aliquot = 500mL)	mL	mL	mL	mL
6.3.4.3	Inorganic Lab (Check with Supervisor for aliquot amount)	mL	mL	mL	mL
6.3.5	Volume of non-miscible phase collected (see Section 2.6)	mL	mL	mL	mL
6.3.5.1	Metals Lab (normal aliquot= 20 mL)	mL	mL	mL	mL
6.3.5.2	Prep Lab (normal aliquot = 40 mL)	mL	mL	mL	mL
6.3.5.3	Inorganic Lab (Check with Supervisor for aliquot amount)	mL	mL	mL	mL
6.3.6	Metals Only:				
6.3.6.1	Analyst/ Date	MAS 102-05-10	MAS 102-05-10	MAS 102-05-10	MAS 102-05-10
6.3.6.2	Metals spikes used, please list	ICP 9100970 7+5+0 9100971 Hg 9100898			
6.3.6.3	Preservation (pH < 2), Record actual pH	pH 1.12	pH 1.39	pH 1.31	pH 1.49

7.0 **Narratives/ Comments:** FP Lot # 9045007

6010
Hg 9100898

69116

TriMatrix Laboratories, Inc.

SPLP Extraction Worksheet

Client	SulTRAC	SulTRAC	SulTRAC	SulTRAC
Sample Number	1002038-21	1002038-22	1002038-23	1002038-24
1.0 Sample Description (Liquid, solid, multi-phasic)	solid	solid	solid	solid

% Solids Determination

- All samples must undergo % solids determination. Only re-use the solids from this section for the fluid determination. Discard any other solids/filtrates from this section!

2.1 Analyst /Date	ADB 12/3/10	ADB 12/3/10	ADB 12/3/10	ADB 12/3/10
2.2	g	g	g	g
2.3	g	g	g	g
Particle Size Reduction (Y/N)	Y (N)	Y (N)	Y (N)	Y (N)
2.4	g	g	g	g
2.5 Actual Sample Weight (100g min.)	g	g	g	g
2.6 Total Volume Filtrate(s)	mL	mL	mL	mL

Label the phases of the same number, A=Aqueous, B=Oil, C=Organic Phase, D= Other Phase. Make sure ALL Lab areas are aware of any Multi-phasic samples!

Phase A: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase B: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase C: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
Phase D: Density/Volume	d= / mL	d= / mL	d= / mL	d= / mL
2.7 Weight Of Wet Solids (Filter paper wt. + wet solids)	g	g	g	g
2.8 % Wet Solids {(wt. wet solids- wt. filter paper)/ act. samp. wt.} x100	%	%	%	%

- If % wet solids, are >0.5%, but < 100%, then use equation: (100g/ % wet solids) x 100 to determine the actual amount of sample to set up the SPLP in Section 4.3. Also, do the % dry solids to complete all sample records
- If sample is 100% solid, proceed to Section 4.2. If sample is oily and % wet solids are low, then proceed with the % dry solids.

2.9 Weight of Dry Solids (Wt. of filter paper + dry solids)	g	g	g	g
- Sample must be dried at 100C +/- 20C for two readings within +/- 1%.				
2.10 % Dry Solids {(wt. dry solids- wt filter paper)/Act. samp. wt. } x100	100 %	100 %	100 %	100 %

-If % dry solids are <0.5%, then the filtrate = the SPLP leachate. Sample is 100% liquid. Filter enough sample for all lab areas (see Section 6.3.4 for actual amounts).

-If the sample is oily, the % dry solids are low but not <0.5%, and if there are no "visible " solids on the filter paper, then the oil filtrate = the SPLP leachate (since there is only oil caught in the filter paper.)

Make sure all lab areas receive adequate aliquots of filtrate: Metals-40 mL vial, Prep Lab-40 mL vial. PLEASE, record in Narrative (Section 7) that sample was oily and filtrate=SPLP leachate.

Fluid Determination

3.1 Analyst / Date	ADB 12/3/10	ADB 12/3/10	ADB 12/3/10	ADB 12/3/10
3.2 Particle Size Reduction (Y/N). If No, explain in Narrative, Section 7	Y (N)	Y (N)	Y (N)	Y (N)

3.3 To determine what SPLP fluid to use, follow these guidelines:

- 3.3.1 - for samples taken east of the Mississippi River and for wastes/wastewaters, use SPLP fluid #1.
- 3.3.2 - for samples taken west of the Mississippi River, use SPLP fluid #2.
- 3.3.3 - for samples containing cyanide and for volatiles, use SPLP fluid #3.
- 3.3.4 - or check for a client specific fluid request.

3.4 Record Extraction Fluid Type (1, 2 or 3)	(1) 2 3	(1) 2 3	(1) 2 3	(1) 2 3
3.5	#1 S	#1 S	#1 S	#1 S
3.6 Date Calibrated	2/3/10	2/3/10	2/3/10	2/3/10

TriMatrix Laboratories, Inc. SPLP Extraction Worksheet

		Sample Number	1002038-21	1002038-22	1002038-23	1002038-24
Sample Size For SPLP Set-up						
4.1	For 100% solid sample, weight used (100 g minimum)		100.0 g	100.0 g	100.0 g	100.0 g
4.2	If % solids were >0.5% and <100%, then record:					
4.2.1	Adjusted amount of sample to yield 100g (from Section 2.)		g	g	g	g
4.2.2	Actual weight of sample (sample - weight of filter papers)		g	g	g	g
4.2.3	Total Amount of Miscible Filtrate(s) (from Section 2.6.)		mL	mL	mL	mL
4.3	For 100% liquid sample, record filtrate volumes for all lab areas in Section 6.3.4		ml	ml	ml	ml
4.4	Particle Size Reduction (Y/N)		Y (N)	Y (N)	Y (N)	Y (N)
Amount of Extraction Fluid (added by weight) For SPLP Set-up.						
5.1	Extraction Fluid (1, 2 or 3) and Batch I.D.		EF 1 144	EF 1 144	EF 1 144	EF 1 144
5.2	pH of Extraction Fluid		pH 4.15	pH 4.15	pH 4.15	pH 4.15
5.3	20 x Actual solid weight (from Section 4.1 or 4.2.2)		2000.0 g	2000.0 g	2000.0 g	2000.0 g
SPLP Extraction Record						
6.1	Analyst @ set-up/ Date (MM-DD-YY)		MAS 12/4/10	MAS 12/4/10	MAS 12/4/10	MAS 12/4/10
6.1.1	Initial Temperature @ set-up (23+/- 2 C)		22 C	22 C	22 C	22 C
6.1.2	Tumbler I.D. / RPM (30+/-2 RPM)		4 @ 32	4 @ 32	4 @ 32	4 @ 32
6.2	Tumbling Times					
6.2.1	Time started		1:45pm	1:45pm	1:45pm	1:45pm
6.2.2	Time completed		6:00Am	6:00Am	6:00Am	6:00Am
6.3	Analyst @ completion/ Date (MM-DD-YY)		MAS 12/5/10	MAS 12/5/10	MAS 12/5/10	MAS 12/5/10
6.3.1	Final Temperature @ completion (23+/-2 C)		22 25 C	22 25 C	22 25 C	22 25 C
6.3.2	Initial miscible phase added back to filtered leachate(Y/N). If N, explain in section 7.0		Y (N)	Y (N)	Y (N)	Y (N)
6.3.3	Final pH of leachate (Not preserved)		8.87	8.33	7.78	8.31
6.3.3.1	pH meter I.D.		#185	#185	#185	#185
6.3.3.2			MAS 102-05-10	MAS 102-05-10	MAS 102-05-10	MAS 102-05-10
6.3.4	Final Volume of Leachate Collected (mL)		2000.0 mL	2000.0 mL	2000.0 mL	2000.0 mL
6.3.4.1	Metals Lab (normal aliquot =1L ; min aliquot =200 mL)		500.0 mL	500.0 mL	500.0 mL	500.0 mL
6.3.4.2	Prep Lab (normal aliquot=500 mL to 1L ; min aliquot = 500mL)		mL	mL	mL	mL
6.3.4.3	Inorganic Lab (Check with Supervisor for aliquot amount)		mL	mL	mL	mL
6.3.5	Volume of non-miscible phase collected (see Section 2.6)		mL	mL	mL	mL
6.3.5.1	Metals Lab (normal aliquot= 20 mL)		mL	mL	mL	mL
6.3.5.2	Prep Lab (normal aliquot = 40 mL)		mL	mL	mL	mL
6.3.5.3	Inorganic Lab (Check with Supervisor for aliquot amount)		mL	mL	mL	mL
6.3.6	Metals Only:					
6.3.6.1	Analyst/ Date		MAS 102-05-10	MAS 102-05-10	MAS 102-05-10	MAS 102-05-10
6.3.6.2	Metals spikes used, please list					
6.3.6.3	Preservation (pH < 2), Record actual pH		pH 1.39	pH 1.55	pH 1.71	pH 1.41

7.0 **Narratives/ Comments:** FP Lot # 9045002

39118

Metals, Soil, SPLP Metals

00119

Batch comments:

MAS 02/04/10 1:45PM
TUMBLERS 1,2,3,4
@32RPM
SPLP I 144
22C

Lab Number	*Container*	*Prepared*	*By*	*Initial (g)*	*Final (mL)*	*Client* Source ID	*Client* Spike ID	*Client* uL Spike	*Comments*
1002038-01	A	Feb-04-10 13:45	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002038-02	A	Feb-04-10 13:45	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002038-03	A	Feb-04-10 13:45	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002038-04	A	Feb-04-10 13:45	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002038-05	A	Feb-04-10 13:45	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002038-06	A	Feb-04-10 13:45	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002038-07	A	Feb-04-10 13:45	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002038-08	A	Feb-04-10 13:45	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002038-09	A	Feb-04-10 13:45	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002038-10	A	Feb-04-10 13:45	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002038-11	A	Feb-04-10 13:45	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									

Comments:	Analyst Initials:

Metals, Soil, SPLP Metals

Batch comments:

MAS 02/04/10 1:45PM
TUMBLERS 1,2,3,4
@32RPM
SPLP I 144
22C

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Client Comments
1002038-12	A	Feb-04-10 13:45	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002038-13	A	Feb-04-10 13:45	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002038-14	A	Feb-04-10 13:45	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002038-15	A	Feb-04-10 13:45	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002038-16	A	Feb-04-10 13:45	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002038-17	A	Feb-04-10 13:45	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002038-18	A	Feb-04-10 13:45	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002038-19	A	Feb-04-10 13:45	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002038-20	A	Feb-04-10 13:45	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002038-21	A	Feb-04-10 13:45	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002038-22	A	Feb-04-10 13:45	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									

Comments:

Analyst Initials:

Metals, Soil, SPLP Metals

09121

Batch comments:

MAS 02/04/10 1:45PM
TUMBLERS 1,2,3,4
@32RPM
SPLP I 144
22C

				Initial	Final	..... Client			
Lab Number	*Container*	*Prepared*	*By*	*(g)*	*(mL)*	*Source ID*	*Spike ID*	*uL Spike*	*Comments*
1002038-23	A	Feb-04-10 13:45	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002038-24	A	Feb-04-10 13:45	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									

Comments:	Analyst Initials:

Metals, Soil, 3010A SPLP Digestion

90122

Batch comments:

MAS 02/08/10 7:00AM-4:00PM
INST#217@93.3C#223
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1001056-BLK1		Feb-08-10 07:00	MAS	25	25				
1001056-BS1		Feb-08-10 07:00	MAS	25	25		9100970	125	
1001056-MS1		Feb-08-10 07:00	MAS	25	25	1002038-14	9100970	125	
1001056-MSD1		Feb-08-10 07:00	MAS	25	25	1002038-14	9100970	125	
1001056-PS1		Feb-09-10 10:30	JMF	4	4	1002038-14	9050565	20	
1002038-01	A 01	Feb-08-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B		*Ba SPLP 6010B*		*Fe SPLP 6010B*		*Mn SPLP 6010B*		*Ni SPLP 6010B*	
1002038-02	A 01	Feb-08-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B		*Ba SPLP 6010B*		*Fe SPLP 6010B*		*Mn SPLP 6010B*		*Ni SPLP 6010B*	
1002038-03	A 01	Feb-08-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B		*Ba SPLP 6010B*		*Fe SPLP 6010B*		*Mn SPLP 6010B*		*Ni SPLP 6010B*	
1002038-04	A 01	Feb-08-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B		*Ba SPLP 6010B*		*Fe SPLP 6010B*		*Mn SPLP 6010B*		*Ni SPLP 6010B*	
1002038-05	A 01	Feb-08-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B		*Ba SPLP 6010B*		*Fe SPLP 6010B*		*Mn SPLP 6010B*		*Ni SPLP 6010B*	
1002038-06	A 01	Feb-08-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B		*Ba SPLP 6010B*		*Fe SPLP 6010B*		*Mn SPLP 6010B*		*Ni SPLP 6010B*	
1002038-07	A 01	Feb-08-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B		*Ba SPLP 6010B*		*Fe SPLP 6010B*		*Mn SPLP 6010B*		*Ni SPLP 6010B*	
1002038-08	A 01	Feb-08-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B		*Ba SPLP 6010B*		*Fe SPLP 6010B*		*Mn SPLP 6010B*		*Ni SPLP 6010B*	
1002038-09	A 01	Feb-08-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B		*Ba SPLP 6010B*		*Fe SPLP 6010B*		*Mn SPLP 6010B*		*Ni SPLP 6010B*	

Comments:

Analyst Initials:

Metals, Soil, 3010A SPLP Digestion

90123

Batch comments:

MAS 02/08/10 7:00AM-4:00PM
INST#217@93.3C#223
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	*Container*	*Prepared*	*By*	*Initial (mL)*	*Final (mL)*	*Client* Source ID	Spike ID	uL Spike	*Comments*
1002038-10	A 01	Feb-08-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002038-11	A 01	Feb-08-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002038-12	A 01	Feb-08-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002038-13	A 01	Feb-08-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002038-14	A 01	Feb-08-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002038-15	A 01	Feb-08-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002038-16	A 01	Feb-08-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					

Comments:

Analyst Initials:

Metals, Soil, 3010A SPLP Digestion

69124

Batch comments:

MAS 02/08/10 7:00AM-4:00PM
INST#217@93.3C#223
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1001058-BLK1		Feb-08-10 07:00	MAS	25	25				
1001058-BS1		Feb-08-10 07:00	MAS	25	25		9100970	125	
1001058-MS1		Feb-08-10 07:00	MAS	25	25	1002038-17	9100970	125	
1001058-MSD1		Feb-08-10 07:00	MAS	25	25	1002038-17	9100970	125	
1001058-PS1		Feb-09-10 10:30	JMF	4	4	1002038-17	9050565	20	
1002038-17	A 01	Feb-08-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002038-18	A 01	Feb-08-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002038-19	A 01	Feb-08-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002038-20	A 01	Feb-08-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002038-21	A 01	Feb-08-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002038-22	A 01	Feb-08-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002038-23	A 01	Feb-08-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002038-24	A 01	Feb-08-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					

Comments:

Analyst Initials:

Due 2/15 [illegible] 2-12

TriMatrix Laboratories, Inc.

Cal ID: 0B12002

Metals Laboratory Instrument Run Sequence

Instrument #: 311

Date: 2/9/10

Analyst: [illegible]

Data File: 0B09014

Calibration BLK/ICB/CCB: 5%HNO3/1109060/5%HCL/4109080

Internal Standard #: 0010476

Autosampler Position:

1. BLK/CCB/9110898
2. STD 1/0010621
3. STD 2/0010622
4. STD3/CCV/0010623
5. STD4/0010624
9. DAILY SCV/CCV1/9110899
10. CRL/0010356
11. IFA1/0010740
12. IFA2/0020174
13. IFB1/0010637
14. IFB2/0010316

Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor	Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor
1/17	1001056-BLK1				35/51	23			
2/18	BS1				36/52	24			
3/19	1002038-01				37/53				
4/20	02				38/54				
5/21	03				39/55				
6/22	04				40/56				
7/23	05				41/57				
8/24	06				42/58				
9/25	08				43/59				
10/26	09				44/60				
11/27	10				45/61				
12/28	11				46/62				
13/29	12				47/63				
14/30	13				48/64				
15/31	14				49/65				
16/32	MS1				50/66				
17/33	MSD1				51/67				
18/34	SRD1				52/68				
19/35	PS1				53/69				
20/36	15				54/70				
21/37	16				55/71				
22/38	33-07				56/72				
23/39	1001058-BLK1				57/73				
24/40	BS1				58/74				
25/41	1002038-17				59/75				
26/42	MS1				60/76				
27/43	MSD1				61/77				
28/44	SRD2				62/78				
29/45	PS1				63/79				
30/46	-18				64/80				
31/47	19				65/81				
32/48	20				66/82				
33/49	21				67/83				
34/50	22				68/84				

Cd 214.437†	411.7	1.53	0.37%	[0.00] ug/L
Ce 413.764†	813.8	54.28	6.67%	[0.00] ug/L
Co 228.616†	-82.5	0.93	1.13%	[0.00] ug/L
Cr 205.557†	-28.8	3.92	13.60%	[0.00] ug/L
Cu 327.397†	4.0	16.44	414.98%	[0.00] ug/L
Fe 238.204†	34.0	0.58	1.71%	[0.00] ug/L
K 766.490	50.8	42.51	83.71%	[0.00] mg/L
Li 670.784†	-62.1	34.09	54.92%	[0.00] ug/L
Mg 279.071†	17.5	5.26	30.02%	[0.00] mg/L
Mn 257.610†	206.3	20.34	9.86%	[0.00] ug/L
Mo 202.031†	90.0	6.06	6.73%	[0.00] ug/L
Na 589.592†	664.6	15.47	2.33%	[0.00] mg/L
Ni 231.604†	353.7	0.46	0.13%	[0.00] ug/L
Pb 220.353†	33.2	4.03	12.14%	[0.00] ug/L
Sb 217.584†	-47.4	5.39	11.37%	[0.00] ug/L
Se 196.026†	-35.4	5.63	15.93%	[0.00] ug/L
Si 251.611†	137.2	0.09	0.07%	[0.00] ug/L
Sn 189.927†	6.7	4.14	62.10%	[0.00] ug/L
Sr 407.771†	153.9	18.65	12.12%	[0.00] ug/L
Ti 334.940†	-34.5	5.28	15.31%	[0.00] ug/L
Tl 190.801†	-38.7	1.36	3.52%	[0.00] ug/L
V 292.395†	-1315.3	18.73	1.42%	[0.00] ug/L
Zn 206.200†	-66.8	1.46	2.19%	[0.00] ug/L

Sequence No.: 2 **Autosampler Location: 2**
Sample ID: 0B09014-CAL2 **Date Collected: 2/9/2010 10:39:46 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0B09014-CAL2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	188689.8	188689.8	101.403	%	10:40:51
1	Al 396.153†	386.9	204.7	[50.00]	ug/L	10:40:51
1	Ba 455.398†	3093.5	3097.4	[10.00]	ug/L	10:40:51
1	Ca 315.887†	895.5	766.5	[0.500]	mg/L	10:41:11
1	Fe 238.204†	62.8	27.9	[10.00]	ug/L	10:41:11
1	K 766.490	184.9	134.1	[0.100]	mg/L	10:40:51
1	Li 670.784†	343.4	400.8	[8.00]	ug/L	10:40:51
1	Mg 279.071†	260.9	239.8	[0.500]	mg/L	10:41:11
1	Na 589.592†	4015.7	3295.5	[0.500]	mg/L	10:40:51
1	Sr 407.771†	40649.7	39933.5	[50.00]	ug/L	10:40:51
1	Y 360.076	235497.6	235497.6	100.162	%	10:41:43
1	Ag 328.068†	408.4	316.7	[5.000]	ug/L	10:41:43
1	As 188.979†	44.0	69.4	[100.00]	ug/L	10:42:03
1	B 249.677†	1735.9	1066.0	[50.00]	ug/L	10:42:03
1	Be 234.861†	-581.4	200.9	[1.000]	ug/L	10:42:03
1	Cd 214.437†	541.8	129.3	[5.00]	ug/L	10:42:03
1	Co 228.616†	-14.3	68.3	[10.00]	ug/L	10:42:03
1	Cr 205.557†	89.7	118.3	[10.00]	ug/L	10:42:03
1	Cu 327.397†	319.1	314.6	[10.00]	ug/L	10:41:43
1	Mn 257.610†	1740.8	1531.7	[10.00]	ug/L	10:42:03
1	Ni 231.604†	467.7	113.3	[10.00]	ug/L	10:42:03
1	Pb 220.353†	116.4	83.0	[50.00]	ug/L	10:42:03
1	Sb 217.584†	87.0	134.2	[100.00]	ug/L	10:42:03
1	Se 196.026†	-6.6	28.8	[100.00]	ug/L	10:42:03
1	Si 251.611†	1434.9	1295.3	[100.00]	ug/L	10:42:03
1	Sn 189.927†	230.8	223.7	[100.00]	ug/L	10:42:03
1	Tl 190.801†	38.9	77.6	[100.00]	ug/L	10:42:03
1	V 292.395†	-912.7	404.0	[10.00]	ug/L	10:42:03
1	Zn 206.200†	37.4	104.2	[10.00]	ug/L	10:42:03
2	Sc 357.234	187378.5	187378.5	100.698	%	10:41:16
2	Al 396.153†	367.8	188.3	[50.00]	ug/L	10:41:16
2	Ba 455.398†	3081.6	3107.0	[10.00]	ug/L	10:41:16
2	Ca 315.887†	900.5	777.6	[0.500]	mg/L	10:41:36
2	Fe 238.204†	62.2	27.8	[10.00]	ug/L	10:41:36
2	K 766.490	172.0	121.3	[0.100]	mg/L	10:41:16
2	Li 670.784†	317.9	377.7	[8.00]	ug/L	10:41:16

2	Mg 279.071†	258.3	239.0	[0.500]	mg/L	10:41:36
2	Na 589.592†	4021.7	3329.1	[0.500]	mg/L	10:41:16
2	Sr 407.771†	40445.2	40011.0	[50.00]	ug/L	10:41:16
2	Y 360.076	238986.6	238986.6	101.646	%	10:42:08
2	Ag 328.068†	448.4	350.1	[5.000]	ug/L	10:42:08
2	As 188.979†	32.0	56.9	[100.00]	ug/L	10:42:28
2	B 249.677†	1736.9	1041.7	[50.00]	ug/L	10:42:28
2	Be 234.861†	-583.0	207.8	[1.000]	ug/L	10:42:28
2	Cd 214.437†	548.7	128.1	[5.00]	ug/L	10:42:28
2	Co 228.616†	-18.0	64.9	[10.00]	ug/L	10:42:28
2	Cr 205.557†	91.1	118.4	[10.00]	ug/L	10:42:28
2	Cu 327.397†	331.6	322.2	[10.00]	ug/L	10:42:08
2	Mn 257.610†	1745.2	1510.6	[10.00]	ug/L	10:42:28
2	Ni 231.604†	466.5	105.2	[10.00]	ug/L	10:42:28
2	Pb 220.353†	116.4	81.3	[50.00]	ug/L	10:42:28
2	Sb 217.584†	85.7	131.7	[100.00]	ug/L	10:42:28
2	Se 196.026†	-7.0	28.4	[100.00]	ug/L	10:42:28
2	Si 251.611†	1429.2	1268.8	[100.00]	ug/L	10:42:28
2	Sn 189.927†	223.0	212.7	[100.00]	ug/L	10:42:28
2	Tl 190.801†	40.8	78.9	[100.00]	ug/L	10:42:28
2	V 292.395†	-922.9	407.3	[10.00]	ug/L	10:42:28
2	Zn 206.200†	37.0	103.2	[10.00]	ug/L	10:42:28

Mean Data: 0B09014-CAL2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	188034.2	927.20	0.49%	101.050	%
Y 360.076	237242.1	2467.11	1.04%	100.904	%
Ag 328.068†	333.4	23.65	7.09%	[5.000]	ug/L
Al 396.153†	196.5	11.55	5.88%	[50.00]	ug/L
As 188.979†	63.1	8.83	13.98%	[100.00]	ug/L
B 249.677†	1053.9	17.18	1.63%	[50.00]	ug/L
Ba 455.398†	3102.2	6.75	0.22%	[10.00]	ug/L
Be 234.861†	204.4	4.89	2.39%	[1.000]	ug/L
Ca 315.887†	772.1	7.86	1.02%	[0.500]	mg/L
Cd 214.437†	128.7	0.83	0.64%	[5.00]	ug/L
Co 228.616†	66.6	2.43	3.65%	[10.00]	ug/L
Cr 205.557†	118.3	0.07	0.06%	[10.00]	ug/L
Cu 327.397†	318.4	5.38	1.69%	[10.00]	ug/L
Fe 238.204†	27.8	0.11	0.41%	[10.00]	ug/L
K 766.490	127.7	9.08	7.11%	[0.100]	mg/L
Li 670.784†	389.2	16.30	4.19%	[8.00]	ug/L
Mg 279.071†	239.4	0.58	0.24%	[0.500]	mg/L
Mn 257.610†	1521.1	14.93	0.98%	[10.00]	ug/L
Na 589.592†	3312.3	23.80	0.72%	[0.500]	mg/L
Ni 231.604†	109.2	5.71	5.23%	[10.00]	ug/L
Pb 220.353†	82.2	1.19	1.44%	[50.00]	ug/L
Sb 217.584†	133.0	1.82	1.37%	[100.00]	ug/L
Se 196.026†	28.6	0.26	0.90%	[100.00]	ug/L
Si 251.611†	1282.0	18.76	1.46%	[100.00]	ug/L
Sn 189.927†	218.2	7.83	3.59%	[100.00]	ug/L
Sr 407.771†	39972.2	54.78	0.14%	[50.00]	ug/L
Tl 190.801†	78.2	0.92	1.17%	[100.00]	ug/L
V 292.395†	405.7	2.27	0.56%	[10.00]	ug/L
Zn 206.200†	103.7	0.67	0.64%	[10.00]	ug/L

==========

Sequence No.: 3
Sample ID: 0B09014-CAL3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 2/9/2010 10:43:41 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B09014-CAL3

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	192289.2	192289.2	103.337	%	10:44:46
1	Al 396.153†	1897.4	1659.2	[500.00]	ug/L	10:45:06
1	Ba 455.398†	30668.5	29724.9	[100.00]	ug/L	10:44:46

1	Ca 315.887†	1743.4	1570.5	[1.000]	mg/L	10:45:06
1	Fe 238.204†	278.7	235.7	[100.00]	ug/L	10:45:06
1	K 766.490	828.9	778.1	[1.000]	mg/L	10:44:46
1	Li 670.784†	3772.6	3712.9	[100.00]	ug/L	10:44:46
1	Mg 279.071†	517.9	483.6	[1.000]	mg/L	10:45:06
1	Na 589.592†	7647.0	6735.4	[1.000]	mg/L	10:44:46
1	Sr 407.771†	83069.1	80232.7	[100.00]	ug/L	10:44:46
1	Ti 334.940†	1515.5	1501.0	[100.00]	ug/L	10:45:06
1	Y 360.076	242234.7	242234.7	103.028	%	10:45:37
1	Ag 328.068†	6517.6	6235.0	[100.00]	ug/L	10:45:37
1	As 188.979†	295.5	312.2	[500.00]	ug/L	10:45:58
1	B 249.677†	2857.8	2106.8	[100.00]	ug/L	10:45:37
1	Be 234.861†	1351.8	2093.5	[10.00]	ug/L	10:45:58
1	Cd 214.437†	3176.4	2671.4	[100.00]	ug/L	10:45:58
1	Co 228.616†	607.0	671.7	[100.00]	ug/L	10:45:58
1	Cr 205.557†	1171.6	1165.9	[100.00]	ug/L	10:45:58
1	Cu 327.397†	3418.2	3313.8	[100.00]	ug/L	10:45:37
1	Mn 257.610†	15752.8	15083.5	[100.00]	ug/L	10:45:37
1	Mo 202.031†	888.4	772.3	[100.00]	ug/L	10:45:58
1	Ni 231.604†	1620.7	1219.3	[100.00]	ug/L	10:45:58
1	Pb 220.353†	208.5	169.2	[100.00]	ug/L	10:45:58
1	Sb 217.584†	609.4	638.9	[500.00]	ug/L	10:45:58
1	Se 196.026†	158.2	188.9	[500.00]	ug/L	10:45:58
1	Si 251.611†	5695.8	5391.1	[500.00]	ug/L	10:45:58
1	Sn 189.927†	1114.4	1074.9	[500.00]	ug/L	10:45:58
1	Tl 190.801†	376.0	403.7	[500.00]	ug/L	10:45:58
1	V 292.395†	3274.3	4493.3	[100.00]	ug/L	10:45:37
1	Zn 206.200†	949.0	987.9	[100.00]	ug/L	10:45:58
2	Sc 357.234	192653.9	192653.9	103.533	%	10:45:11
2	Al 396.153†	1908.2	1666.2	[500.00]	ug/L	10:45:31
2	Ba 455.398†	30753.8	29751.1	[100.00]	ug/L	10:45:11
2	Ca 315.887†	1750.1	1573.8	[1.000]	mg/L	10:45:31
2	Fe 238.204†	277.5	234.0	[100.00]	ug/L	10:45:31
2	K 766.490	843.0	792.2	[1.000]	mg/L	10:45:11
2	Li 670.784†	3771.3	3704.6	[100.00]	ug/L	10:45:11
2	Mg 279.071†	523.1	487.7	[1.000]	mg/L	10:45:31
2	Na 589.592†	7702.4	6774.9	[1.000]	mg/L	10:45:11
2	Sr 407.771†	83483.8	80481.0	[100.00]	ug/L	10:45:11
2	Ti 334.940†	1521.6	1504.1	[100.00]	ug/L	10:45:31
2	Y 360.076	243337.8	243337.8	103.497	%	10:46:03
2	Ag 328.068†	6573.4	6260.3	[100.00]	ug/L	10:46:03
2	As 188.979†	301.5	316.8	[500.00]	ug/L	10:46:23
2	B 249.677†	2843.9	2080.8	[100.00]	ug/L	10:46:03
2	Be 234.861†	1364.6	2099.8	[10.00]	ug/L	10:46:23
2	Cd 214.437†	3177.0	2657.9	[100.00]	ug/L	10:46:23
2	Co 228.616†	599.3	661.6	[100.00]	ug/L	10:46:23
2	Cr 205.557†	1179.6	1168.6	[100.00]	ug/L	10:46:23
2	Cu 327.397†	3457.4	3336.7	[100.00]	ug/L	10:46:03
2	Mn 257.610†	15841.8	15100.2	[100.00]	ug/L	10:46:03
2	Mo 202.031†	894.8	774.6	[100.00]	ug/L	10:46:23
2	Ni 231.604†	1656.1	1246.5	[100.00]	ug/L	10:46:23
2	Pb 220.353†	206.0	165.9	[100.00]	ug/L	10:46:23
2	Sb 217.584†	610.4	637.2	[500.00]	ug/L	10:46:23
2	Se 196.026†	159.9	189.9	[500.00]	ug/L	10:46:23
2	Si 251.611†	5707.8	5377.7	[500.00]	ug/L	10:46:23
2	Sn 189.927†	1108.2	1064.0	[500.00]	ug/L	10:46:23
2	Tl 190.801†	376.4	402.3	[500.00]	ug/L	10:46:23
2	V 292.395†	3324.8	4527.8	[100.00]	ug/L	10:46:03
2	Zn 206.200†	954.1	988.6	[100.00]	ug/L	10:46:23

Mean Data: 0B09014-CAL3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	192471.6	257.91	0.13%	103.435	%
Y 360.076	242786.3	779.99	0.32%	103.262	%
Ag 328.068†	6247.6	17.85	0.29%	[100.00]	ug/L
Al 396.153†	1662.7	4.92	0.30%	[500.00]	ug/L
As 188.979†	314.5	3.24	1.03%	[500.00]	ug/L
B 249.677†	2093.8	18.38	0.88%	[100.00]	ug/L
Ba 455.398†	29738.0	18.53	0.06%	[100.00]	ug/L

Be 234.861†	2096.7	4.52	0.22%	[10.00] ug/L
Ca 315.887†	1572.1	2.35	0.15%	[1.000] mg/L
Cd 214.437†	2664.6	9.50	0.36%	[100.00] ug/L
Co 228.616†	666.6	7.18	1.08%	[100.00] ug/L
Cr 205.557†	1167.3	1.86	0.16%	[100.00] ug/L
Cu 327.397†	3325.2	16.20	0.49%	[100.00] ug/L
Fe 238.204†	234.8	1.22	0.52%	[100.00] ug/L
K 766.490	785.1	9.95	1.27%	[1.000] mg/L
Li 670.784†	3708.8	5.82	0.16%	[100.00] ug/L
Mg 279.071†	485.7	2.91	0.60%	[1.000] mg/L
Mn 257.610†	15091.9	11.82	0.08%	[100.00] ug/L
Mo 202.031†	773.4	1.64	0.21%	[100.00] ug/L
Na 589.592†	6755.1	27.96	0.41%	[1.000] mg/L
Ni 231.604†	1232.9	19.18	1.56%	[100.00] ug/L
Pb 220.353†	167.5	2.33	1.39%	[100.00] ug/L
Sb 217.584†	638.0	1.19	0.19%	[500.00] ug/L
Se 196.026†	189.4	0.70	0.37%	[500.00] ug/L
Si 251.611†	5384.4	9.51	0.18%	[500.00] ug/L
Sn 189.927†	1069.5	7.70	0.72%	[500.00] ug/L
Sr 407.771†	80356.9	175.58	0.22%	[100.00] ug/L
Ti 334.940†	1502.5	2.18	0.15%	[100.00] ug/L
Tl 190.801†	403.0	0.95	0.24%	[500.00] ug/L
V 292.395†	4510.5	24.35	0.54%	[100.00] ug/L
Zn 206.200†	988.3	0.54	0.05%	[100.00] ug/L

Sequence No.: 4 **Autosampler Location: 4**
Sample ID: 0B09014-CAL4 **Date Collected: 2/9/2010 10:47:36 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0B09014-CAL4

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	191855.2	191855.2	103.104	%	10:48:42
1	Al 396.153†	8384.4	7955.1	[2500.00]	ug/L	10:48:42
1	Ba 455.398†	155337.7	150708.3	[500.00]	ug/L	10:48:42
1	Ca 315.887†	7909.3	7554.6	[5.000]	mg/L	10:49:02
1	Fe 238.204†	1242.2	1170.8	[500.00]	ug/L	10:49:02
1	K 766.490	3801.5	3750.8	[5.000]	mg/L	10:49:02
1	Li 670.784†	18034.6	17553.8	[500.00]	ug/L	10:48:42
1	Mg 279.071†	2448.1	2356.9	[5.000]	mg/L	10:49:02
1	Na 589.592†	35129.0	33406.9	[5.000]	mg/L	10:48:42
1	Sr 407.771†	414022.8	401405.5	[500.00]	ug/L	10:48:42
1	Ti 334.940†	7719.2	7521.3	[500.00]	ug/L	10:49:02
1	Y 360.076	240603.2	240603.2	102.334	%	10:49:34
1	Ag 328.068†	32053.7	31231.7	[500.00]	ug/L	10:49:34
1	As 188.979†	1560.5	1550.3	[2500.00]	ug/L	10:49:54
1	B 249.677†	10037.7	9141.7	[500.00]	ug/L	10:49:34
1	Be 234.861†	9510.6	10075.1	[50.00]	ug/L	10:49:54
1	Cd 214.437†	13643.3	12920.4	[500.00]	ug/L	10:49:54
1	Co 228.616†	3221.9	3231.0	[500.00]	ug/L	10:49:54
1	Cr 205.557†	5832.7	5728.5	[500.00]	ug/L	10:49:54
1	Cu 327.397†	16776.8	16390.3	[500.00]	ug/L	10:49:34
1	Mn 257.610†	75534.7	73605.8	[500.00]	ug/L	10:49:34
1	Mo 202.031†	4085.2	3902.1	[500.00]	ug/L	10:49:54
1	Ni 231.604†	6537.3	6034.5	[500.00]	ug/L	10:49:54
1	Pb 220.353†	855.1	802.4	[500.00]	ug/L	10:49:54
1	Sb 217.584†	3258.3	3231.3	[2500.00]	ug/L	10:49:54
1	Se 196.026†	916.1	930.5	[2500.00]	ug/L	10:49:54
1	Si 251.611†	27510.0	26745.4	[2500.00]	ug/L	10:49:34
1	Sn 189.927†	5416.9	5286.7	[2500.00]	ug/L	10:49:54
1	Tl 190.801†	2044.8	2036.8	[2500.00]	ug/L	10:49:54
1	V 292.395†	21675.2	22496.1	[500.00]	ug/L	10:49:34
1	Zn 206.200†	4827.8	4784.5	[500.00]	ug/L	10:49:54
2	Sc 357.234	192635.9	192635.9	103.523	%	10:49:07
2	Al 396.153†	8458.9	7994.1	[2500.00]	ug/L	10:49:07
2	Ba 455.398†	156299.7	151026.9	[500.00]	ug/L	10:49:07
2	Ca 315.887†	7927.9	7541.5	[5.000]	mg/L	10:49:27

2	Fe 238.204†	1254.8	1178.0	[500.00]	ug/L	10:49:27
2	K 766.490	3807.5	3756.8	[5.000]	mg/L	10:49:27
2	Li 670.784†	18126.1	17571.3	[500.00]	ug/L	10:49:07
2	Mg 279.071†	2453.2	2352.2	[5.000]	mg/L	10:49:27
2	Na 589.592†	35249.3	33385.0	[5.000]	mg/L	10:49:07
2	Sr 407.771†	416161.3	401843.7	[500.00]	ug/L	10:49:07
2	Ti 334.940†	7758.3	7528.7	[500.00]	ug/L	10:49:27
2	Y 360.076	239327.4	239327.4	101.791	%	10:49:59
2	Ag 328.068†	31996.4	31342.3	[500.00]	ug/L	10:49:59
2	As 188.979†	1559.1	1557.1	[2500.00]	ug/L	10:50:19
2	B 249.677†	10034.3	9190.7	[500.00]	ug/L	10:49:59
2	Be 234.861†	9498.1	10112.4	[50.00]	ug/L	10:50:19
2	Cd 214.437†	13663.5	13011.4	[500.00]	ug/L	10:50:19
2	Co 228.616†	3237.8	3263.4	[500.00]	ug/L	10:50:19
2	Cr 205.557†	5831.4	5757.6	[500.00]	ug/L	10:50:19
2	Cu 327.397†	16683.1	16385.6	[500.00]	ug/L	10:49:59
2	Mn 257.610†	75399.1	73866.1	[500.00]	ug/L	10:49:59
2	Mo 202.031†	4087.0	3925.1	[500.00]	ug/L	10:50:19
2	Ni 231.604†	6557.8	6088.7	[500.00]	ug/L	10:50:19
2	Pb 220.353†	870.6	822.1	[500.00]	ug/L	10:50:19
2	Sb 217.584†	3262.2	3252.2	[2500.00]	ug/L	10:50:19
2	Se 196.026†	915.5	934.7	[2500.00]	ug/L	10:50:19
2	Si 251.611†	27433.4	26813.5	[2500.00]	ug/L	10:49:59
2	Sn 189.927†	5446.0	5343.5	[2500.00]	ug/L	10:50:19
2	Tl 190.801†	2048.3	2050.9	[2500.00]	ug/L	10:50:19
2	V 292.395†	21742.2	22674.9	[500.00]	ug/L	10:49:59
2	Zn 206.200†	4845.2	4826.8	[500.00]	ug/L	10:50:19

Mean Data: 0B09014-CAL4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	192245.5	552.08	0.29%	103.314	%
Y 360.076	239965.3	902.07	0.38%	102.062	%
Ag 328.068†	31287.0	78.23	0.25%	[500.00]	ug/L
Al 396.153†	7974.6	27.54	0.35%	[2500.00]	ug/L
As 188.979†	1553.7	4.81	0.31%	[2500.00]	ug/L
B 249.677†	9166.2	34.59	0.38%	[500.00]	ug/L
Ba 455.398†	150867.6	225.26	0.15%	[500.00]	ug/L
Be 234.861†	10093.7	26.37	0.26%	[50.00]	ug/L
Ca 315.887†	7548.1	9.29	0.12%	[5.000]	mg/L
Cd 214.437†	12965.9	64.32	0.50%	[500.00]	ug/L
Co 228.616†	3247.2	22.90	0.71%	[500.00]	ug/L
Cr 205.557†	5743.1	20.56	0.36%	[500.00]	ug/L
Cu 327.397†	16387.9	3.31	0.02%	[500.00]	ug/L
Fe 238.204†	1174.4	5.13	0.44%	[500.00]	ug/L
K 766.490	3753.8	4.25	0.11%	[5.000]	mg/L
Li 670.784†	17562.5	12.34	0.07%	[500.00]	ug/L
Mg 279.071†	2354.5	3.33	0.14%	[5.000]	mg/L
Mn 257.610†	73735.9	184.07	0.25%	[500.00]	ug/L
Mo 202.031†	3913.6	16.26	0.42%	[500.00]	ug/L
Na 589.592†	33395.9	15.48	0.05%	[5.000]	mg/L
Ni 231.604†	6061.6	38.32	0.63%	[500.00]	ug/L
Pb 220.353†	812.3	13.93	1.72%	[500.00]	ug/L
Sb 217.584†	3241.8	14.77	0.46%	[2500.00]	ug/L
Se 196.026†	932.6	2.96	0.32%	[2500.00]	ug/L
Si 251.611†	26779.5	48.13	0.18%	[2500.00]	ug/L
Sn 189.927†	5315.1	40.19	0.76%	[2500.00]	ug/L
Sr 407.771†	401624.6	309.85	0.08%	[500.00]	ug/L
Ti 334.940†	7525.0	5.29	0.07%	[500.00]	ug/L
Tl 190.801†	2043.9	9.97	0.49%	[2500.00]	ug/L
V 292.395†	22585.5	126.43	0.56%	[500.00]	ug/L
Zn 206.200†	4805.6	29.91	0.62%	[500.00]	ug/L

==========

Sequence No.: 5
Sample ID: 0B09014-CAL5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 2/9/2010 10:51:32 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B09014-CAL5

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	191711.9	191711.9	103.027	%	10:52:39
1	Al 396.153†	16475.6	15814.7	[5000]	ug/L	10:52:59
1	Ba 455.398†	309192.4	300155.5	[1000]	ug/L	10:52:39
1	Ca 315.887†	15659.1	15082.5	[10]	mg/L	10:52:59
1	Fe 238.204†	2463.9	2357.5	[1000]	ug/L	10:52:59
1	K 766.490	7531.5	7480.7	[10]	mg/L	10:52:59
1	Li 670.784†	35943.2	34949.3	[1000]	ug/L	10:52:39
1	Mg 279.071†	4839.3	4679.6	[10]	mg/L	10:52:59
1	Na 589.592†	69535.7	66828.2	[10]	mg/L	10:52:39
1	Sr 407.771†	821959.0	797657.2	[1000]	ug/L	10:52:39
1	Ti 334.940†	15660.5	15234.9	[1000]	ug/L	10:52:59
1	Y 360.076	239800.6	239800.6	101.992	%	10:53:30
1	Ag 328.068†	64192.4	62847.4	[1000]	ug/L	10:53:30
1	As 188.979†	3109.9	3074.6	[5000]	ug/L	10:53:51
1	B 249.677†	19460.0	18412.8	[1000]	ug/L	10:53:30
1	Be 234.861†	19722.4	20118.5	[100]	ug/L	10:53:51
1	Cd 214.437†	26707.2	25773.8	[1000]	ug/L	10:53:51
1	Ce 413.764†	38565.4	36998.3	[1000]	ug/L	10:53:30
1	Co 228.616†	6486.9	6442.7	[1000]	ug/L	10:53:51
1	Cr 205.557†	11629.7	11431.3	[1000]	ug/L	10:53:51
1	Cu 327.397†	33585.6	32925.5	[1000]	ug/L	10:53:30
1	Mn 257.610†	149697.4	146566.8	[1000]	ug/L	10:53:30
1	Mo 202.031†	8125.1	7876.4	[1000]	ug/L	10:53:51
1	Ni 231.604†	12617.9	12017.7	[1000]	ug/L	10:53:51
1	Pb 220.353†	1681.0	1615.0	[1000]	ug/L	10:53:51
1	Sb 217.584†	6567.1	6486.1	[5000]	ug/L	10:53:51
1	Se 196.026†	1864.1	1863.1	[5000]	ug/L	10:53:51
1	Si 251.611†	54905.8	53696.0	[5000]	ug/L	10:53:30
1	Sn 189.927†	10904.3	10684.6	[5000]	ug/L	10:53:51
1	Tl 190.801†	4135.3	4093.2	[5000]	ug/L	10:53:51
1	V 292.395†	44941.4	45378.7	[1000]	ug/L	10:53:30
1	Zn 206.200†	9635.2	9513.8	[1000]	ug/L	10:53:51
2	Sc 357.234	190697.7	190697.7	102.482	%	10:53:04
2	Al 396.153†	16473.5	15897.6	[5000]	ug/L	10:53:24
2	Ba 455.398†	306722.4	299341.5	[1000]	ug/L	10:53:04
2	Ca 315.887†	15627.1	15132.0	[10]	mg/L	10:53:24
2	Fe 238.204†	2461.2	2367.6	[1000]	ug/L	10:53:24
2	K 766.490	7512.6	7461.8	[10]	mg/L	10:53:24
2	Li 670.784†	35703.4	34900.9	[1000]	ug/L	10:53:04
2	Mg 279.071†	4843.2	4708.4	[10]	mg/L	10:53:24
2	Na 589.592†	68964.2	66629.5	[10]	mg/L	10:53:04
2	Sr 407.771†	815181.0	795286.5	[1000]	ug/L	10:53:04
2	Ti 334.940†	15634.3	15290.2	[1000]	ug/L	10:53:24
2	Y 360.076	240901.0	240901.0	102.460	%	10:53:56
2	Ag 328.068†	64380.9	62743.9	[1000]	ug/L	10:53:56
2	As 188.979†	3107.7	3058.5	[5000]	ug/L	10:54:16
2	B 249.677†	19607.7	18469.8	[1000]	ug/L	10:53:56
2	Be 234.861†	19711.3	20019.3	[100]	ug/L	10:54:16
2	Cd 214.437†	26742.8	25689.0	[1000]	ug/L	10:54:16
2	Ce 413.764†	38663.3	36921.1	[1000]	ug/L	10:53:56
2	Co 228.616†	6497.4	6423.9	[1000]	ug/L	10:54:16
2	Cr 205.557†	11632.0	11381.5	[1000]	ug/L	10:54:16
2	Cu 327.397†	33596.9	32786.2	[1000]	ug/L	10:53:56
2	Mn 257.610†	150147.5	146335.6	[1000]	ug/L	10:53:56
2	Mo 202.031†	8125.7	7840.5	[1000]	ug/L	10:54:16
2	Ni 231.604†	12609.6	11953.1	[1000]	ug/L	10:54:16
2	Pb 220.353†	1685.5	1611.8	[1000]	ug/L	10:54:16
2	Sb 217.584†	6571.3	6460.9	[5000]	ug/L	10:54:16
2	Se 196.026†	1866.0	1856.5	[5000]	ug/L	10:54:16
2	Si 251.611†	55139.5	53678.2	[5000]	ug/L	10:53:56
2	Sn 189.927†	10912.9	10644.2	[5000]	ug/L	10:54:16
2	Tl 190.801†	4133.2	4072.6	[5000]	ug/L	10:54:16
2	V 292.395†	45145.5	45376.7	[1000]	ug/L	10:53:56
2	Zn 206.200†	9635.0	9470.4	[1000]	ug/L	10:54:16

Mean Data: 0B09014-CAL5

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	191204.8	717.16	0.38%	102.754	%
Y 360.076	240350.8	778.06	0.32%	102.226	%
Ag 328.068†	62795.7	73.17	0.12%	[1000]	ug/L
Al 396.153†	15856.2	58.64	0.37%	[5000]	ug/L
As 188.979†	3066.5	11.37	0.37%	[5000]	ug/L
B 249.677†	18441.3	40.31	0.22%	[1000]	ug/L
Ba 455.398†	299748.5	575.63	0.19%	[1000]	ug/L
Be 234.861†	20068.9	70.12	0.35%	[100]	ug/L
Ca 315.887†	15107.2	35.04	0.23%	[10]	mg/L
Cd 214.437†	25731.4	59.97	0.23%	[1000]	ug/L
Ce 413.764†	36959.7	54.58	0.15%	[1000]	ug/L
Co 228.616†	6433.3	13.27	0.21%	[1000]	ug/L
Cr 205.557†	11406.4	35.23	0.31%	[1000]	ug/L
Cu 327.397†	32855.9	98.52	0.30%	[1000]	ug/L
Fe 238.204†	2362.5	7.11	0.30%	[1000]	ug/L
K 766.490	7471.2	13.35	0.18%	[10]	mg/L
Li 670.784†	34925.1	34.24	0.10%	[1000]	ug/L
Mg 279.071†	4694.0	20.41	0.43%	[10]	mg/L
Mn 257.610†	146451.2	163.48	0.11%	[1000]	ug/L
Mo 202.031†	7858.5	25.36	0.32%	[1000]	ug/L
Na 589.592†	66728.8	140.50	0.21%	[10]	mg/L
Ni 231.604†	11985.4	45.71	0.38%	[1000]	ug/L
Pb 220.353†	1613.4	2.25	0.14%	[1000]	ug/L
Sb 217.584†	6473.5	17.86	0.28%	[5000]	ug/L
Se 196.026†	1859.8	4.62	0.25%	[5000]	ug/L
Si 251.611†	53687.1	12.54	0.02%	[5000]	ug/L
Sn 189.927†	10664.4	28.59	0.27%	[5000]	ug/L
Sr 407.771†	796471.9	1676.33	0.21%	[1000]	ug/L
Ti 334.940†	15262.5	39.10	0.26%	[1000]	ug/L
Tl 190.801†	4082.9	14.55	0.36%	[5000]	ug/L
V 292.395†	45377.7	1.42	0.00%	[1000]	ug/L
Zn 206.200†	9492.1	30.68	0.32%	[1000]	ug/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	4	Lin, Calc Int	-16.5	62.77	0.00000	0.999998	
Al 396.153	4	Lin, Calc Int	41.3	3.166	0.00000	0.999990	
As 188.979	4	Lin, Calc Int	5.4	0.6137	0.00000	0.999978	
B 249.677	4	Lin, Calc Int	113.0	18.30	0.00000	0.999904	
Ba 455.398	4	Lin, Calc Int	86.8	300.0	0.00000	0.999994	
Be 234.861	4	Lin, Calc Int	35.1	200.5	0.00000	0.999989	
Ca 315.887	4	Lin, Calc Int	23.6	1508	0.00000	0.999992	
Cd 214.437	4	Lin, Calc Int	39.3	25.73	0.00000	0.999989	
Ce 413.764	1	Lin, Calc Int	0.0	36.96	0.00000	1.000000	
Co 228.616	4	Lin, Calc Int	11.4	6.433	0.00000	0.999986	
Cr 205.557	4	Lin, Calc Int	14.2	11.41	0.00000	0.999993	
Cu 327.397	4	Lin, Calc Int	3.4	32.84	0.00000	0.999998	
Fe 238.204	4	Lin, Calc Int	0.1	2.360	0.00000	0.999993	
K 766.490	4	Lin, Calc Int	31.3	744.2	0.00000	0.999981	
Li 670.784	4	Lin, Calc Int	113.2	34.84	0.00000	0.999985	
Mg 279.071	4	Lin, Calc Int	7.4	468.9	0.00000	0.999995	
Mn 257.610	4	Lin, Calc Int	214.0	146.4	0.00000	0.999992	
Mo 202.031	3	Lin, Calc Int	-8.4	7.862	0.00000	0.999997	
Na 589.592	4	Lin, Calc Int	21.1	6672	0.00000	0.999999	
Ni 231.604	4	Lin, Calc Int	15.1	12.00	0.00000	0.999980	
Pb 220.353	4	Lin, Calc Int	3.1	1.612	0.00000	0.999991	
Sb 217.584	4	Lin, Calc Int	-1.0	1.295	0.00000	0.999998	
Se 196.026	4	Lin, Calc Int	-1.5	0.3726	0.00000	0.999984	
Si 251.611	4	Lin, Calc Int	66.4	10.72	0.00000	0.999992	
Sn 189.927	4	Lin, Calc Int	0.5	2.131	0.00000	0.999998	
Sr 407.771	4	Lin, Calc Int	678.8	797.0	0.00000	0.999991	
Ti 334.940	3	Lin, Calc Int	-30.2	15.26	0.00000	0.999974	
Tl 190.801	4	Lin, Calc Int	-2.4	0.8173	0.00000	0.999999	
V 292.395	4	Lin, Calc Int	-36.9	45.38	0.00000	0.999998	
Zn 206.200	4	Lin, Calc Int	21.8	9.491	0.00000	0.999979	

Sequence No.: 6
Sample ID: 0B09014-SCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 2/9/2010 10:55:32 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B09014-SCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	192210.8	192210.8	103.295	%			10:56:38
1	Al 396.153†	8170.1	7732.6	2421.38	ug/L	2421.38	ug/L	10:56:38
1	Ba 455.398†	152121.8	147316.2	490.742	ug/L	490.742	ug/L	10:56:38
1	Ca 315.887†	7986.9	7615.6	5.03455	mg/L	5.03455	mg/L	10:56:58
1	Fe 238.204†	1247.4	1173.5	496.637	ug/L	496.637	ug/L	10:56:58
1	K 766.490	3728.2	3677.4	4.89946	mg/L	4.89946	mg/L	10:56:58
1	Li 670.784†	18071.8	17557.4	500.722	ug/L	500.722	ug/L	10:56:38
1	Mg 279.071†	2472.5	2376.1	5.05178	mg/L	5.05178	mg/L	10:56:58
1	Na 589.592†	34834.7	33058.9	4.95177	mg/L	4.95177	mg/L	10:56:38
1	Sr 407.771†	414207.2	400841.1	502.093	ug/L	502.093	ug/L	10:56:38
1	Ti 334.940†	7882.5	7665.5	504.410	ug/L	504.410	ug/L	10:56:58
1	Y 360.076	241649.7	241649.7	102.779	%			10:57:30
1	Ag 328.068†	32070.9	31112.7	496.166	ug/L	496.166	ug/L	10:57:30
1	As 188.979†	1538.8	1522.6	2467.83	ug/L	2467.83	ug/L	10:57:50
1	B 249.677†	10125.4	9184.6	494.477	ug/L	494.477	ug/L	10:57:30
1	Be 234.861†	9434.4	9960.7	49.3083	ug/L	49.3083	ug/L	10:57:50
1	Cd 214.437†	13665.5	12884.4	498.700	ug/L	498.700	ug/L	10:57:50
1	Ce 413.764†	921.0	82.4	2.13364	ug/L	2.13364	ug/L	10:57:30
1	Co 228.616†	3209.0	3204.8	495.289	ug/L	495.289	ug/L	10:57:50
1	Cr 205.557†	5900.3	5769.5	504.285	ug/L	504.285	ug/L	10:57:50
1	Cu 327.397†	16738.8	16282.2	496.071	ug/L	496.071	ug/L	10:57:30
1	Mn 257.610†	75153.1	72914.9	496.554	ug/L	496.554	ug/L	10:57:30
1	Mo 202.031†	4143.6	3941.6	502.417	ug/L	502.417	ug/L	10:57:50
1	Ni 231.604†	6610.2	6077.8	505.488	ug/L	505.488	ug/L	10:57:50
1	Pb 220.353†	863.9	807.4	497.945	ug/L	497.945	ug/L	10:57:50
1	Sb 217.584†	2820.8	2791.9	2158.65	ug/L	2158.65	ug/L	10:57:50
1	Se 196.026†	922.4	932.9	2508.33	ug/L	2508.33	ug/L	10:57:50
1	Si 251.611†	27597.4	26714.1	2473.59	ug/L	2473.59	ug/L	10:57:30
1	Sn 189.927†	5466.0	5311.5	2492.84	ug/L	2492.84	ug/L	10:57:50
1	Tl 190.801†	2063.9	2046.7	2509.67	ug/L	2509.67	ug/L	10:57:50
1	V 292.395†	21625.8	22356.4	498.226	ug/L	498.226	ug/L	10:57:30
1	Zn 206.200†	4789.8	4727.1	495.698	ug/L	495.698	ug/L	10:57:50
2	Sc 357.234	192972.0	192972.0	103.704	%			10:57:03
2	Al 396.153†	8255.2	7783.5	2437.38	ug/L	2437.38	ug/L	10:57:03
2	Ba 455.398†	153815.9	148368.9	494.251	ug/L	494.251	ug/L	10:57:03
2	Ca 315.887†	8014.4	7611.5	5.03189	mg/L	5.03189	mg/L	10:57:23
2	Fe 238.204†	1243.3	1164.8	492.944	ug/L	492.944	ug/L	10:57:23
2	K 766.490	3746.3	3695.5	4.92384	mg/L	4.92384	mg/L	10:57:23
2	Li 670.784†	18289.7	17698.5	504.771	ug/L	504.771	ug/L	10:57:03
2	Mg 279.071†	2484.8	2378.5	5.05695	mg/L	5.05695	mg/L	10:57:23
2	Na 589.592†	35075.3	33157.9	4.96661	mg/L	4.96661	mg/L	10:57:03
2	Sr 407.771†	418692.1	403584.0	505.534	ug/L	505.534	ug/L	10:57:03
2	Ti 334.940†	7927.7	7679.0	505.296	ug/L	505.296	ug/L	10:57:23
2	Y 360.076	239314.8	239314.8	101.786	%			10:57:55
2	Ag 328.068†	32050.5	31397.1	500.696	ug/L	500.696	ug/L	10:57:55
2	As 188.979†	1529.9	1528.4	2477.31	ug/L	2477.31	ug/L	10:58:15
2	B 249.677†	10187.0	9341.2	503.031	ug/L	503.031	ug/L	10:57:55
2	Be 234.861†	9390.5	10007.2	49.5413	ug/L	49.5413	ug/L	10:58:15
2	Cd 214.437†	13636.9	12985.9	502.646	ug/L	502.646	ug/L	10:58:15
2	Ce 413.764†	902.3	72.8	1.87445	ug/L	1.87445	ug/L	10:57:55
2	Co 228.616†	3191.2	3217.7	497.298	ug/L	497.298	ug/L	10:58:15
2	Cr 205.557†	5887.0	5812.5	508.055	ug/L	508.055	ug/L	10:58:15
2	Cu 327.397†	16740.7	16443.0	500.969	ug/L	500.969	ug/L	10:57:55
2	Mn 257.610†	75207.5	73681.7	501.792	ug/L	501.792	ug/L	10:57:55
2	Mo 202.031†	4136.8	3974.2	506.574	ug/L	506.574	ug/L	10:58:15
2	Ni 231.604†	6575.1	6106.0	507.849	ug/L	507.849	ug/L	10:58:15
2	Pb 220.353†	863.5	815.2	502.788	ug/L	502.788	ug/L	10:58:15
2	Sb 217.584†	2824.8	2822.6	2182.36	ug/L	2182.36	ug/L	10:58:15
2	Se 196.026†	921.1	940.3	2528.30	ug/L	2528.30	ug/L	10:58:15
2	Si 251.611†	27655.0	27032.5	2503.29	ug/L	2503.29	ug/L	10:57:55
2	Sn 189.927†	5455.4	5353.0	2512.30	ug/L	2512.30	ug/L	10:58:15

2	Tl 190.801†	2062.7	2065.2	2532.29 ug/L	2532.29 ug/L	10:58:15
2	V 292.395†	21652.2	22587.5	503.363 ug/L	503.363 ug/L	10:57:55
2	Zn 206.200†	4781.0	4763.9	499.582 ug/L	499.582 ug/L	10:58:15

Mean Data: 0B09014-SCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	192591.4	103.499	%	0.2893				0.28%
Y 360.076	240482.2	102.282	%	0.7022				0.69%
Ag 328.068†	31254.9	498.431	ug/L	3.2032	498.431	ug/L	3.2032	0.64%
QC value within limits for Ag 328.068 Recovery = 99.69%								
Al 396.153†	7758.0	2429.38	ug/L	11.314	2429.38	ug/L	11.314	0.47%
QC value within limits for Al 396.153 Recovery = 97.18%								
As 188.979†	1525.5	2472.57	ug/L	6.700	2472.57	ug/L	6.700	0.27%
QC value within limits for As 188.979 Recovery = 98.90%								
B 249.677†	9262.9	498.754	ug/L	6.0488	498.754	ug/L	6.0488	1.21%
QC value within limits for B 249.677 Recovery = 99.75%								
Ba 455.398†	147842.6	492.497	ug/L	2.4812	492.497	ug/L	2.4812	0.50%
QC value within limits for Ba 455.398 Recovery = 98.50%								
Be 234.861†	9983.9	49.4248	ug/L	0.16481	49.4248	ug/L	0.16481	0.33%
QC value within limits for Be 234.861 Recovery = 98.85%								
Ca 315.887†	7613.6	5.03322	mg/L	0.001883	5.03322	mg/L	0.001883	0.04%
QC value within limits for Ca 315.887 Recovery = 100.66%								
Cd 214.437†	12935.1	500.673	ug/L	2.7902	500.673	ug/L	2.7902	0.56%
QC value within limits for Cd 214.437 Recovery = 100.13%								
Ce 413.764†	77.6	2.00404	ug/L	0.183272	2.00404	ug/L	0.183272	9.15%
Co 228.616†	3211.3	496.293	ug/L	1.4209	496.293	ug/L	1.4209	0.29%
QC value within limits for Co 228.616 Recovery = 99.26%								
Cr 205.557†	5791.0	506.170	ug/L	2.6656	506.170	ug/L	2.6656	0.53%
QC value within limits for Cr 205.557 Recovery = 101.23%								
Cu 327.397†	16362.6	498.520	ug/L	3.4637	498.520	ug/L	3.4637	0.69%
QC value within limits for Cu 327.397 Recovery = 99.70%								
Fe 238.204†	1169.2	494.791	ug/L	2.6109	494.791	ug/L	2.6109	0.53%
QC value within limits for Fe 238.204 Recovery = 98.96%								
K 766.490	3686.5	4.91165	mg/L	0.017233	4.91165	mg/L	0.017233	0.35%
QC value within limits for K 766.490 Recovery = 98.23%								
Li 670.784†	17628.0	502.747	ug/L	2.8628	502.747	ug/L	2.8628	0.57%
QC value within limits for Li 670.784 Recovery = 100.55%								
Mg 279.071†	2377.3	5.05437	mg/L	0.003650	5.05437	mg/L	0.003650	0.07%
QC value within limits for Mg 279.071 Recovery = 101.09%								
Mn 257.610†	73298.3	499.173	ug/L	3.7033	499.173	ug/L	3.7033	0.74%
QC value within limits for Mn 257.610 Recovery = 99.83%								
Mo 202.031†	3957.9	504.496	ug/L	2.9390	504.496	ug/L	2.9390	0.58%
QC value within limits for Mo 202.031 Recovery = 100.90%								
Na 589.592†	33108.4	4.95919	mg/L	0.010494	4.95919	mg/L	0.010494	0.21%
QC value within limits for Na 589.592 Recovery = 99.18%								
Ni 231.604†	6091.9	506.668	ug/L	1.6695	506.668	ug/L	1.6695	0.33%
QC value within limits for Ni 231.604 Recovery = 101.33%								
Pb 220.353†	811.3	500.367	ug/L	3.4247	500.367	ug/L	3.4247	0.68%
QC value within limits for Pb 220.353 Recovery = 100.07%								
Sb 217.584†	2807.2	2170.50	ug/L	16.770	2170.50	ug/L	16.770	0.77%
QC value less than the lower limit for Sb 217.584 Recovery = 86.82%								
Se 196.026†	936.6	2518.32	ug/L	14.126	2518.32	ug/L	14.126	0.56%
QC value within limits for Se 196.026 Recovery = 100.73%								
Si 251.611†	26873.3	2488.44	ug/L	20.999	2488.44	ug/L	20.999	0.84%
QC value within limits for Si 251.611 Recovery = 99.54%								
Sn 189.927†	5332.3	2502.57	ug/L	13.760	2502.57	ug/L	13.760	0.55%
QC value within limits for Sn 189.927 Recovery = 100.10%								
Sr 407.771†	402212.6	503.814	ug/L	2.4336	503.814	ug/L	2.4336	0.48%
QC value within limits for Sr 407.771 Recovery = 100.76%								
Ti 334.940†	7672.2	504.853	ug/L	0.6263	504.853	ug/L	0.6263	0.12%
QC value within limits for Ti 334.940 Recovery = 100.97%								
Tl 190.801†	2056.0	2520.98	ug/L	16.000	2520.98	ug/L	16.000	0.63%
QC value within limits for Tl 190.801 Recovery = 100.84%								
V 292.395†	22472.0	500.795	ug/L	3.6326	500.795	ug/L	3.6326	0.73%
QC value within limits for V 292.395 Recovery = 100.16%								
Zn 206.200†	4745.5	497.640	ug/L	2.7462	497.640	ug/L	2.7462	0.55%
QC value within limits for Zn 206.200 Recovery = 99.53%								

QC Failed. Continue with analysis.

Sequence No.: 7
Sample ID: 0B09014-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 2/9/2010 10:59:28 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B09014-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	189476.9	189476.9	101.826	%			11:00:33
1	Al 396.153†	184.7	4.5	-11.6281	ug/L	-11.6281	ug/L	11:00:33
1	Ba 455.398†	-37.8	9.6	-0.257231	ug/L	-0.257231	ug/L	11:00:33
1	Ca 315.887†	123.4	4.6	-0.0125891	mg/L	-0.0125891	mg/L	11:00:54
1	Fe 238.204†	38.6	3.9	1.58406	ug/L	1.58406	ug/L	11:00:54
1	K 766.490	75.4	24.6	-0.0089297	mg/L	-0.0089297	mg/L	11:00:33
1	Li 670.784†	-27.6	35.0	-2.24381	ug/L	-2.24381	ug/L	11:00:33
1	Mg 279.071†	20.5	2.6	-0.0103026	mg/L	-0.0103026	mg/L	11:00:54
1	Na 589.592†	657.2	-19.3	-0.0060425	mg/L	-0.0060425	mg/L	11:00:33
1	Sr 407.771†	154.9	-1.8	-0.853978	ug/L	-0.853978	ug/L	11:00:33
1	Ti 334.940†	-26.2	8.7	2.55041	ug/L	2.55041	ug/L	11:00:54
1	Y 360.076	239744.3	239744.3	101.968	%			11:01:25
1	Ag 328.068†	29.9	-61.8	-0.723582	ug/L	-0.723582	ug/L	11:01:25
1	As 188.979†	-20.2	5.6	0.316626	ug/L	0.316626	ug/L	11:01:45
1	B 249.677†	828.7	145.6	1.78177	ug/L	1.78177	ug/L	11:01:45
1	Be 234.861†	-761.0	35.1	-0.0006258	ug/L	-0.0006258	ug/L	11:01:45
1	Cd 214.437†	411.6	-8.1	-1.83840	ug/L	-1.83840	ug/L	11:01:45
1	Ce 413.764†	806.4	-22.9	-0.620218	ug/L	-0.620218	ug/L	11:01:25
1	Co 228.616†	-73.0	10.9	-0.0825890	ug/L	-0.0825890	ug/L	11:01:45
1	Cr 205.557†	-22.9	6.3	-0.691692	ug/L	-0.691692	ug/L	11:01:45
1	Cu 327.397†	12.6	8.4	0.153617	ug/L	0.153617	ug/L	11:01:25
1	Mn 257.610†	206.6	-3.7	-1.48688	ug/L	-1.48688	ug/L	11:01:45
1	Mo 202.031†	87.9	-3.8	0.582535	ug/L	0.582535	ug/L	11:01:45
1	Ni 231.604†	338.1	-22.1	-3.10008	ug/L	-3.10008	ug/L	11:01:45
1	Pb 220.353†	37.1	3.2	0.0622857	ug/L	0.0622857	ug/L	11:01:45
1	Sb 217.584†	-37.8	10.3	8.69807	ug/L	8.69807	ug/L	11:01:45
1	Se 196.026†	-37.2	-1.1	1.02186	ug/L	1.02186	ug/L	11:01:45
1	Si 251.611†	186.3	45.4	-2.02420	ug/L	-2.02420	ug/L	11:01:45
1	Sn 189.927†	18.0	10.9	4.91254	ug/L	4.91254	ug/L	11:01:45
1	Tl 190.801†	-46.5	-6.9	-5.47510	ug/L	-5.47510	ug/L	11:01:45
1	V 292.395†	-1306.1	34.4	1.57531	ug/L	1.57531	ug/L	11:01:25
1	Zn 206.200†	-59.4	8.5	-1.40277	ug/L	-1.40277	ug/L	11:01:45
2	Sc 357.234	190562.7	190562.7	102.409	%			11:00:59
2	Al 396.153†	180.3	-0.8	-13.3291	ug/L	-13.3291	ug/L	11:00:59
2	Ba 455.398†	-36.8	10.8	-0.253353	ug/L	-0.253353	ug/L	11:00:59
2	Ca 315.887†	120.1	0.6	-0.0152324	mg/L	-0.0152324	mg/L	11:01:19
2	Fe 238.204†	39.0	4.0	1.63916	ug/L	1.63916	ug/L	11:01:19
2	K 766.490	99.2	48.4	0.0230568	mg/L	0.0230568	mg/L	11:00:59
2	Li 670.784†	-0.8	61.3	-1.48926	ug/L	-1.48926	ug/L	11:00:59
2	Mg 279.071†	16.1	-1.7	-0.0195762	mg/L	-0.0195762	mg/L	11:01:19
2	Na 589.592†	703.1	21.9	0.0001259	mg/L	0.0001259	mg/L	11:00:59
2	Sr 407.771†	179.4	21.2	-0.825052	ug/L	-0.825052	ug/L	11:00:59
2	Ti 334.940†	-18.7	16.2	3.04388	ug/L	3.04388	ug/L	11:01:19
2	Y 360.076	241040.8	241040.8	102.520	%			11:01:50
2	Ag 328.068†	66.7	-26.0	-0.149086	ug/L	-0.149086	ug/L	11:01:50
2	As 188.979†	-19.3	6.6	1.91516	ug/L	1.91516	ug/L	11:02:10
2	B 249.677†	798.1	111.4	-0.0841344	ug/L	-0.0841344	ug/L	11:02:10
2	Be 234.861†	-773.8	26.6	-0.0429151	ug/L	-0.0429151	ug/L	11:02:10
2	Cd 214.437†	401.0	-20.6	-2.32361	ug/L	-2.32361	ug/L	11:02:10
2	Ce 413.764†	842.0	7.5	0.203297	ug/L	0.203297	ug/L	11:01:50
2	Co 228.616†	-87.5	-2.8	-2.21081	ug/L	-2.21081	ug/L	11:02:10
2	Cr 205.557†	-32.3	-2.7	-1.47909	ug/L	-1.47909	ug/L	11:02:10
2	Cu 327.397†	33.4	28.6	0.770038	ug/L	0.770038	ug/L	11:01:50
2	Mn 257.610†	192.1	-18.9	-1.59093	ug/L	-1.59093	ug/L	11:02:10
2	Mo 202.031†	97.4	5.0	1.70867	ug/L	1.70867	ug/L	11:02:10
2	Ni 231.604†	339.2	-22.8	-3.15135	ug/L	-3.15135	ug/L	11:02:10
2	Pb 220.353†	27.3	-6.6	-5.96587	ug/L	-5.96587	ug/L	11:02:10
2	Sb 217.584†	-27.7	20.3	16.4627	ug/L	16.4627	ug/L	11:02:10
2	Se 196.026†	-38.8	-2.5	-2.73688	ug/L	-2.73688	ug/L	11:02:10
2	Si 251.611†	171.5	30.0	-3.47111	ug/L	-3.47111	ug/L	11:02:10

2	Sn 189.927†	15.6	8.5	3.77997 ug/L	3.77997 ug/L	11:02:10
2	Tl 190.801†	-41.7	-2.0	0.572569 ug/L	0.572569 ug/L	11:02:10
2	V 292.395†	-1330.0	17.9	1.22485 ug/L	1.22485 ug/L	11:01:50
2	Zn 206.200†	-63.8	4.6	-1.81592 ug/L	-1.81592 ug/L	11:02:10

Mean Data: 0B09014-CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	190019.8	102.117	%	0.4126				0.40%
Y 360.076	240392.6	102.244	%	0.3899				0.38%
Ag 328.068†	-43.9	-0.436334	ug/L	0.4062303	-0.436334	ug/L	0.4062303	93.10%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	1.9	-12.4786	ug/L	1.20275	-12.4786	ug/L	1.20275	9.64%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	6.1	1.11589	ug/L	1.130335	1.11589	ug/L	1.130335	101.29%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	128.5	0.848819	ug/L	1.3193956	0.848819	ug/L	1.3193956	155.44%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	10.2	-0.255292	ug/L	0.0027420	-0.255292	ug/L	0.0027420	1.07%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	30.8	-0.0217705	ug/L	0.02990302	-0.0217705	ug/L	0.02990302	137.36%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	2.6	-0.0139108	mg/L	0.00186907	-0.0139108	mg/L	0.00186907	13.44%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	-14.3	-2.08101	ug/L	0.343099	-2.08101	ug/L	0.343099	16.49%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	-7.7	-0.208460	ug/L	0.5823129	-0.208460	ug/L	0.5823129	279.34%
Co 228.616†	4.1	-1.14670	ug/L	1.504877	-1.14670	ug/L	1.504877	131.24%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	1.8	-1.08539	ug/L	0.556778	-1.08539	ug/L	0.556778	51.30%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	18.5	0.461827	ug/L	0.4358752	0.461827	ug/L	0.4358752	94.38%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	3.9	1.61161	ug/L	0.038961	1.61161	ug/L	0.038961	2.42%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	36.5	0.0070635	mg/L	0.02261785	0.0070635	mg/L	0.02261785	320.21%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	48.1	-1.86654	ug/L	0.533550	-1.86654	ug/L	0.533550	28.58%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	0.4	-0.0149394	mg/L	0.00655747	-0.0149394	mg/L	0.00655747	43.89%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	-11.3	-1.53890	ug/L	0.073578	-1.53890	ug/L	0.073578	4.78%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	0.6	1.14560	ug/L	0.796295	1.14560	ug/L	0.796295	69.51%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	1.3	-0.0029583	mg/L	0.00436167	-0.0029583	mg/L	0.00436167	147.44%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-22.5	-3.12572	ug/L	0.036253	-3.12572	ug/L	0.036253	1.16%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-1.7	-2.95179	ug/L	4.262552	-2.95179	ug/L	4.262552	144.41%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	15.3	12.5804	ug/L	5.49040	12.5804	ug/L	5.49040	43.64%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	-1.8	-0.857512	ug/L	2.6578314	-0.857512	ug/L	2.6578314	309.95%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	37.7	-2.74765	ug/L	1.023115	-2.74765	ug/L	1.023115	37.24%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	9.7	4.34625	ug/L	0.800849	4.34625	ug/L	0.800849	18.43%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	9.7	-0.839515	ug/L	0.0204534	-0.839515	ug/L	0.0204534	2.44%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	12.4	2.79715	ug/L	0.348935	2.79715	ug/L	0.348935	12.47%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-4.5	-2.45127	ug/L	4.276349	-2.45127	ug/L	4.276349	174.45%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	26.2	1.40008	ug/L	0.247808	1.40008	ug/L	0.247808	17.70%
QC value within limits for V 292.395 Recovery = Not calculated								
Zn 206.200†	6.5	-1.60935	ug/L	0.292141	-1.60935	ug/L	0.292141	18.15%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 8
Sample ID: 0B09014-CRL1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 2/9/2010 11:03:25 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B09014-CRL1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	189899.6	189899.6	102.053	%			11:04:31
1	Al 396.153†	615.3	426.0	117.926	ug/L	117.926	ug/L	11:04:31
1	Ba 455.398†	6420.1	6337.7	20.8353	ug/L	20.8353	ug/L	11:04:31
1	Ca 315.887†	1752.5	1600.6	1.04580	mg/L	1.04580	mg/L	11:04:51
1	Fe 238.204†	91.6	55.7	23.4677	ug/L	23.4677	ug/L	11:04:51
1	K 766.490	271.3	220.5	0.254273	mg/L	0.254273	mg/L	11:04:31
1	Li 670.784†	708.7	756.5	18.4659	ug/L	18.4659	ug/L	11:04:31
1	Mg 279.071†	524.9	496.8	1.04379	mg/L	1.04379	mg/L	11:04:51
1	Na 589.592†	7763.8	6943.0	1.03747	mg/L	1.03747	mg/L	11:04:31
1	Sr 407.771†	85227.3	83359.0	103.741	ug/L	103.741	ug/L	11:04:31
1	Ti 334.940†	3132.0	3103.4	205.394	ug/L	205.394	ug/L	11:04:31
1	Y 360.076	237621.9	237621.9	101.066	%			11:05:22
1	Ag 328.068†	661.4	563.3	9.25838	ug/L	9.25838	ug/L	11:05:22
1	As 188.979†	106.7	131.0	203.167	ug/L	203.167	ug/L	11:05:42
1	B 249.677†	2551.8	1857.8	95.1777	ug/L	95.1777	ug/L	11:05:42
1	Be 234.861†	-347.1	437.9	1.99976	ug/L	1.99976	ug/L	11:05:42
1	Cd 214.437†	680.5	261.7	8.66267	ug/L	8.66267	ug/L	11:05:42
1	Ce 413.764†	831.8	9.3	0.178819	ug/L	0.178819	ug/L	11:05:22
1	Co 228.616†	55.4	137.4	19.1187	ug/L	19.1187	ug/L	11:05:42
1	Cr 205.557†	221.2	247.7	20.4567	ug/L	20.4567	ug/L	11:05:42
1	Cu 327.397†	700.8	689.4	21.0150	ug/L	21.0150	ug/L	11:05:22
1	Mn 257.610†	3411.1	3168.8	20.1814	ug/L	20.1814	ug/L	11:05:42
1	Mo 202.031†	1722.8	1614.6	206.442	ug/L	206.442	ug/L	11:05:42
1	Ni 231.604†	605.6	245.5	19.5458	ug/L	19.5458	ug/L	11:05:42
1	Pb 220.353†	199.7	164.4	100.174	ug/L	100.174	ug/L	11:05:42
1	Sb 217.584†	233.6	278.5	215.884	ug/L	215.884	ug/L	11:05:42
1	Se 196.026†	48.0	82.9	226.521	ug/L	226.521	ug/L	11:05:42
1	Si 251.611†	2406.4	2243.8	197.816	ug/L	197.816	ug/L	11:05:42
1	Sn 189.927†	455.5	444.1	208.349	ug/L	208.349	ug/L	11:05:42
1	Tl 190.801†	123.9	161.3	202.209	ug/L	202.209	ug/L	11:05:42
1	V 292.395†	-445.2	874.8	22.1470	ug/L	22.1470	ug/L	11:05:42
1	Zn 206.200†	143.6	208.9	19.8228	ug/L	19.8228	ug/L	11:05:42
2	Sc 357.234	188607.3	188607.3	101.358	%			11:04:56
2	Al 396.153†	609.1	424.0	117.277	ug/L	117.277	ug/L	11:04:56
2	Ba 455.398†	6369.9	6331.2	20.8137	ug/L	20.8137	ug/L	11:04:56
2	Ca 315.887†	1763.2	1622.9	1.06057	mg/L	1.06057	mg/L	11:05:16
2	Fe 238.204†	86.5	51.3	21.5852	ug/L	21.5852	ug/L	11:05:16
2	K 766.490	249.6	198.8	0.225184	mg/L	0.225184	mg/L	11:04:56
2	Li 670.784†	689.9	742.7	18.0708	ug/L	18.0708	ug/L	11:04:56
2	Mg 279.071†	529.1	504.5	1.06015	mg/L	1.06015	mg/L	11:05:16
2	Na 589.592†	7808.8	7039.5	1.05194	mg/L	1.05194	mg/L	11:04:56
2	Sr 407.771†	85597.9	84296.9	104.917	ug/L	104.917	ug/L	11:04:56
2	Ti 334.940†	3135.2	3127.6	206.980	ug/L	206.980	ug/L	11:04:56
2	Y 360.076	237896.6	237896.6	101.183	%			11:05:47
2	Ag 328.068†	713.9	614.5	10.0673	ug/L	10.0673	ug/L	11:05:47
2	As 188.979†	117.3	141.4	220.053	ug/L	220.053	ug/L	11:06:07
2	B 249.677†	2540.7	1843.9	94.4175	ug/L	94.4175	ug/L	11:06:07
2	Be 234.861†	-351.9	433.6	1.97884	ug/L	1.97884	ug/L	11:06:07
2	Cd 214.437†	692.7	272.9	9.09879	ug/L	9.09879	ug/L	11:06:07
2	Ce 413.764†	790.7	-32.3	-0.946890	ug/L	-0.946890	ug/L	11:05:47
2	Co 228.616†	56.9	138.8	19.3339	ug/L	19.3339	ug/L	11:06:07
2	Cr 205.557†	227.9	254.0	21.0128	ug/L	21.0128	ug/L	11:06:07
2	Cu 327.397†	677.3	665.4	20.2840	ug/L	20.2840	ug/L	11:05:47
2	Mn 257.610†	3423.5	3177.1	20.2384	ug/L	20.2384	ug/L	11:06:07
2	Mo 202.031†	1729.7	1619.5	207.065	ug/L	207.065	ug/L	11:06:07
2	Ni 231.604†	608.5	247.7	19.7264	ug/L	19.7264	ug/L	11:06:07
2	Pb 220.353†	206.8	171.2	104.360	ug/L	104.360	ug/L	11:06:07
2	Sb 217.584†	237.4	282.0	218.571	ug/L	218.571	ug/L	11:06:07
2	Se 196.026†	41.2	76.1	208.308	ug/L	208.308	ug/L	11:06:07

2	Si 251.611†	2423.5	2257.9	199.092 ug/L	199.092 ug/L	11:06:07
2	Sn 189.927†	455.5	443.5	208.086 ug/L	208.086 ug/L	11:06:07
2	Tl 190.801†	135.8	172.9	216.379 ug/L	216.379 ug/L	11:06:07
2	V 292.395†	-481.3	839.5	21.3769 ug/L	21.3769 ug/L	11:06:07
2	Zn 206.200†	141.7	206.8	19.6045 ug/L	19.6045 ug/L	11:06:07

Mean Data: 0B09014-CRL1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	189253.5	101.706	%	0.4911				0.48%
Y 360.076	237759.2	101.124	%	0.0826				0.08%
Ag 328.068†	588.9	9.66286	ug/L	0.572024	9.66286	ug/L	0.572024	5.92%
QC value within limits for Ag 328.068 Recovery = 96.63%								
Al 396.153†	425.0	117.601	ug/L	0.4591	117.601	ug/L	0.4591	0.39%
QC value within limits for Al 396.153 Recovery = 117.60%								
As 188.979†	136.2	211.610	ug/L	11.9396	211.610	ug/L	11.9396	5.64%
QC value within limits for As 188.979 Recovery = 105.80%								
B 249.677†	1850.8	94.7976	ug/L	0.53756	94.7976	ug/L	0.53756	0.57%
QC value within limits for B 249.677 Recovery = 94.80%								
Ba 455.398†	6334.5	20.8245	ug/L	0.01523	20.8245	ug/L	0.01523	0.07%
QC value within limits for Ba 455.398 Recovery = 104.12%								
Be 234.861†	435.8	1.98930	ug/L	0.014794	1.98930	ug/L	0.014794	0.74%
QC value within limits for Be 234.861 Recovery = 99.47%								
Ca 315.887†	1611.8	1.05319	mg/L	0.010441	1.05319	mg/L	0.010441	0.99%
QC value within limits for Ca 315.887 Recovery = 105.32%								
Cd 214.437†	267.3	8.88073	ug/L	0.308385	8.88073	ug/L	0.308385	3.47%
QC value within limits for Cd 214.437 Recovery = 88.81%								
Ce 413.764†	-11.5	-0.384035	ug/L	0.7959969	-0.384035	ug/L	0.7959969	207.27%
Co 228.616†	138.1	19.2263	ug/L	0.15217	19.2263	ug/L	0.15217	0.79%
QC value within limits for Co 228.616 Recovery = 96.13%								
Cr 205.557†	250.8	20.7348	ug/L	0.39326	20.7348	ug/L	0.39326	1.90%
QC value within limits for Cr 205.557 Recovery = 103.67%								
Cu 327.397†	677.4	20.6495	ug/L	0.51690	20.6495	ug/L	0.51690	2.50%
QC value within limits for Cu 327.397 Recovery = 103.25%								
Fe 238.204†	53.5	22.5264	ug/L	1.33116	22.5264	ug/L	1.33116	5.91%
QC value within limits for Fe 238.204 Recovery = 112.63%								
K 766.490	209.7	0.239728	mg/L	0.0205694	0.239728	mg/L	0.0205694	8.58%
QC value within limits for K 766.490 Recovery = 119.86%								
Li 670.784†	749.6	18.2683	ug/L	0.27936	18.2683	ug/L	0.27936	1.53%
QC value within limits for Li 670.784 Recovery = 114.18%								
Mg 279.071†	500.7	1.05197	mg/L	0.011570	1.05197	mg/L	0.011570	1.10%
QC value within limits for Mg 279.071 Recovery = 105.20%								
Mn 257.610†	3173.0	20.2099	ug/L	0.04034	20.2099	ug/L	0.04034	0.20%
QC value within limits for Mn 257.610 Recovery = 101.05%								
Mo 202.031†	1617.1	206.753	ug/L	0.4408	206.753	ug/L	0.4408	0.21%
QC value within limits for Mo 202.031 Recovery = 103.38%								
Na 589.592†	6991.3	1.04470	mg/L	0.010233	1.04470	mg/L	0.010233	0.98%
QC value within limits for Na 589.592 Recovery = 104.47%								
Ni 231.604†	246.6	19.6361	ug/L	0.12774	19.6361	ug/L	0.12774	0.65%
QC value within limits for Ni 231.604 Recovery = 98.18%								
Pb 220.353†	167.8	102.267	ug/L	2.9598	102.267	ug/L	2.9598	2.89%
QC value within limits for Pb 220.353 Recovery = 102.27%								
Sb 217.584†	280.2	217.227	ug/L	1.9002	217.227	ug/L	1.9002	0.87%
QC value within limits for Sb 217.584 Recovery = 108.61%								
Se 196.026†	79.5	217.414	ug/L	12.8789	217.414	ug/L	12.8789	5.92%
QC value within limits for Se 196.026 Recovery = 108.71%								
Si 251.611†	2250.9	198.454	ug/L	0.9028	198.454	ug/L	0.9028	0.45%
QC value within limits for Si 251.611 Recovery = 99.23%								
Sn 189.927†	443.8	208.217	ug/L	0.1857	208.217	ug/L	0.1857	0.09%
QC value within limits for Sn 189.927 Recovery = 104.11%								
Sr 407.771†	83827.9	104.329	ug/L	0.8321	104.329	ug/L	0.8321	0.80%
QC value within limits for Sr 407.771 Recovery = 104.33%								
Ti 334.940†	3115.5	206.187	ug/L	1.1213	206.187	ug/L	1.1213	0.54%
QC value within limits for Ti 334.940 Recovery = 103.09%								
Tl 190.801†	167.1	209.294	ug/L	10.0198	209.294	ug/L	10.0198	4.79%
QC value within limits for Tl 190.801 Recovery = 104.65%								
V 292.395†	857.2	21.7620	ug/L	0.54454	21.7620	ug/L	0.54454	2.50%
QC value within limits for V 292.395 Recovery = 108.81%								
Zn 206.200†	207.9	19.7136	ug/L	0.15439	19.7136	ug/L	0.15439	0.78%
QC value within limits for Zn 206.200 Recovery = 98.57%								

All analyte(s) passed QC.

Sequence No.: 9
Sample ID: 0B09014-IFA1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 2/9/2010 11:07:23 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B09014-IFA1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	190367.5	190367.5	102.304	%			11:08:29
1	Al 396.153†	316293.0	308992.0	97615.9	ug/L	97615.9	ug/L	11:08:29
1	Ba 455.398†	72.5	117.6	0.102458	ug/L	0.102458	ug/L	11:08:49
1	Ca 315.887†	148097.9	144645.6	95.9048	mg/L	95.9048	mg/L	11:08:29
1	Fe 238.204†	92781.3	90657.5	38416.3	ug/L	38416.3	ug/L	11:08:29
1	K 766.490	56.0	5.2	-0.0349918	mg/L	-0.0349918	mg/L	11:08:49
1	Li 670.784†	49.5	110.5	-0.0764929	ug/L	-0.0764929	ug/L	11:08:49
1	Mg 279.071†	46133.9	45077.2	96.1234	mg/L	96.1234	mg/L	11:08:29
1	Na 589.592†	626.8	-52.0	-0.0109475	mg/L	-0.0109475	mg/L	11:08:49
1	Sr 407.771†	850.2	677.1	-0.0020474	ug/L	-0.0020474	ug/L	11:08:49
1	Ti 334.940†	-43.0	-7.6	1.48309	ug/L	1.48309	ug/L	11:08:49
1	Y 360.076	231272.9	231272.9	98.3653	%			11:09:21
1	Ag 328.068†	-329.9	-426.4	-0.427908	ug/L	-0.427908	ug/L	11:09:21
1	As 188.979†	-21.7	3.4	-3.34565	ug/L	-3.34565	ug/L	11:09:41
1	B 249.677†	662.1	6.1	-1.50698	ug/L	-1.50698	ug/L	11:09:21
1	Be 234.861†	2036.0	2851.2	0.446518	ug/L	0.446518	ug/L	11:09:21
1	Cd 214.437†	701.4	301.4	-3.87862	ug/L	-3.87862	ug/L	11:09:41
1	Ce 413.764†	772.9	-28.0	-0.757305	ug/L	-0.757305	ug/L	11:09:21
1	Co 228.616†	-69.9	11.4	-1.35004	ug/L	-1.35004	ug/L	11:09:41
1	Cr 205.557†	-50.5	-22.6	-0.860635	ug/L	-0.860635	ug/L	11:09:41
1	Cu 327.397†	15.3	11.6	0.252640	ug/L	0.252640	ug/L	11:09:21
1	Mn 257.610†	305.5	104.3	0.695019	ug/L	0.695019	ug/L	11:09:21
1	Mo 202.031†	159.7	72.4	10.2763	ug/L	10.2763	ug/L	11:09:41
1	Ni 231.604†	341.9	-6.1	-1.74990	ug/L	-1.74990	ug/L	11:09:41
1	Pb 220.353†	26.1	-6.7	-6.05689	ug/L	-6.05689	ug/L	11:09:41
1	Sb 217.584†	-277.6	-234.8	-65.0869	ug/L	-65.0869	ug/L	11:09:41
1	Se 196.026†	-54.3	-19.9	-4.12288	ug/L	-4.12288	ug/L	11:09:41
1	Si 251.611†	287.8	155.4	18.1066	ug/L	18.1066	ug/L	11:09:41
1	Sn 189.927†	-97.2	-105.5	-28.7909	ug/L	-28.7909	ug/L	11:09:41
1	Tl 190.801†	-50.0	-12.1	-11.7970	ug/L	-11.7970	ug/L	11:09:41
1	V 292.395†	-1049.0	248.8	-0.622998	ug/L	-0.622998	ug/L	11:09:41
1	Zn 206.200†	-7.6	59.1	-3.23070	ug/L	-3.23070	ug/L	11:09:41
2	Sc 357.234	189172.2	189172.2	101.662	%			11:08:55
2	Al 396.153†	317357.9	311993.1	98564.1	ug/L	98564.1	ug/L	11:08:55
2	Ba 455.398†	90.4	135.6	0.162766	ug/L	0.162766	ug/L	11:09:15
2	Ca 315.887†	147983.0	145447.2	96.4365	mg/L	96.4365	mg/L	11:08:55
2	Fe 238.204†	93006.0	91451.6	38752.9	ug/L	38752.9	ug/L	11:08:55
2	K 766.490	86.3	35.6	0.0057706	mg/L	0.0057706	mg/L	11:09:15
2	Li 670.784†	25.2	86.8	-0.754999	ug/L	-0.754999	ug/L	11:09:15
2	Mg 279.071†	46279.5	45505.5	97.0367	mg/L	97.0367	mg/L	11:08:55
2	Na 589.592†	628.1	-46.8	-0.0101745	mg/L	-0.0101745	mg/L	11:09:15
2	Sr 407.771†	846.4	678.6	-0.0001697	ug/L	-0.0001697	ug/L	11:09:15
2	Ti 334.940†	-35.9	-0.8	1.92786	ug/L	1.92786	ug/L	11:09:15
2	Y 360.076	231669.1	231669.1	98.5338	%			11:09:46
2	Ag 328.068†	-403.9	-501.0	-1.56946	ug/L	-1.56946	ug/L	11:09:46
2	As 188.979†	-24.4	0.7	-7.73978	ug/L	-7.73978	ug/L	11:10:06
2	B 249.677†	642.4	-15.1	-2.62658	ug/L	-2.62658	ug/L	11:09:46
2	Be 234.861†	2027.2	2838.8	0.264571	ug/L	0.264571	ug/L	11:09:46
2	Cd 214.437†	710.0	308.8	-3.71881	ug/L	-3.71881	ug/L	11:10:06
2	Ce 413.764†	749.2	-53.4	-1.44537	ug/L	-1.44537	ug/L	11:09:46
2	Co 228.616†	-64.8	16.8	-0.526399	ug/L	-0.526399	ug/L	11:10:06
2	Cr 205.557†	-43.9	-15.8	-0.245992	ug/L	-0.245992	ug/L	11:10:06
2	Cu 327.397†	78.0	75.2	2.18663	ug/L	2.18663	ug/L	11:09:46
2	Mn 257.610†	267.9	65.5	0.443164	ug/L	0.443164	ug/L	11:09:46
2	Mo 202.031†	155.0	67.3	9.62816	ug/L	9.62816	ug/L	11:10:06
2	Ni 231.604†	358.9	10.6	-0.361089	ug/L	-0.361089	ug/L	11:10:06
2	Pb 220.353†	23.3	-9.5	-7.80123	ug/L	-7.80123	ug/L	11:10:06
2	Sb 217.584†	-273.4	-230.0	-60.4087	ug/L	-60.4087	ug/L	11:10:06

2	Se 196.026†	-54.5	-20.0	-3.99042 ug/L	-3.99042 ug/L	11:10:06
2	Si 251.611†	268.9	135.7	16.3408 ug/L	16.3408 ug/L	11:10:06
2	Sn 189.927†	-85.9	-93.9	-23.2187 ug/L	-23.2187 ug/L	11:10:06
2	Tl 190.801†	-41.4	-3.4	-1.13098 ug/L	-1.13098 ug/L	11:10:06
2	V 292.395†	-1097.3	201.7	-1.73052 ug/L	-1.73052 ug/L	11:10:06
2	Zn 206.200†	-9.5	57.2	-3.49517 ug/L	-3.49517 ug/L	11:10:06

Mean Data: 0B09014-IFA1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	189769.8	101.983	%	0.4542				0.45%
Y 360.076	231471.0	98.4496	%	0.11915				0.12%
Ag 328.068†	-463.7	-0.998683	ug/L	0.8071983	-0.998683	ug/L	0.8071983	80.83%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	310492.6	98090.0	ug/L	670.45	98090.0	ug/L	670.45	0.68%
QC value within limits for Al 396.153 Recovery = 98.09%								
As 188.979†	2.0	-5.54271	ug/L	3.107124	-5.54271	ug/L	3.107124	56.06%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-4.5	-2.06678	ug/L	0.791675	-2.06678	ug/L	0.791675	38.30%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	126.6	0.132612	ug/L	0.0426444	0.132612	ug/L	0.0426444	32.16%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	2845.0	0.355545	ug/L	0.1286560	0.355545	ug/L	0.1286560	36.19%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	145046.4	96.1706	mg/L	0.37592	96.1706	mg/L	0.37592	0.39%
QC value within limits for Ca 315.887 Recovery = 96.17%								
Cd 214.437†	305.1	-3.79872	ug/L	0.113008	-3.79872	ug/L	0.113008	2.97%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	-40.7	-1.10134	ug/L	0.486533	-1.10134	ug/L	0.486533	44.18%
Co 228.616†	14.1	-0.938220	ug/L	0.5824028	-0.938220	ug/L	0.5824028	62.08%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	-19.2	-0.553314	ug/L	0.4346176	-0.553314	ug/L	0.4346176	78.55%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	43.4	1.21963	ug/L	1.367535	1.21963	ug/L	1.367535	112.13%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	91054.5	38584.6	ug/L	237.95	38584.6	ug/L	237.95	0.62%
QC value within limits for Fe 238.204 Recovery = 96.46%								
K 766.490	20.4	-0.0146106	mg/L	0.02882337	-0.0146106	mg/L	0.02882337	197.28%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	98.7	-0.415746	ug/L	0.4797763	-0.415746	ug/L	0.4797763	115.40%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	45291.4	96.5800	mg/L	0.64582	96.5800	mg/L	0.64582	0.67%
QC value within limits for Mg 279.071 Recovery = 96.58%								
Mn 257.610†	84.9	0.569091	ug/L	0.1780887	0.569091	ug/L	0.1780887	31.29%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	69.8	9.95222	ug/L	0.458298	9.95222	ug/L	0.458298	4.60%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-49.4	-0.0105610	mg/L	0.00054665	-0.0105610	mg/L	0.00054665	5.18%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	2.2	-1.05550	ug/L	0.982040	-1.05550	ug/L	0.982040	93.04%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-8.1	-6.92906	ug/L	1.233434	-6.92906	ug/L	1.233434	17.80%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	-232.4	-62.7478	ug/L	3.30795	-62.7478	ug/L	3.30795	5.27%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	-19.9	-4.05665	ug/L	0.093663	-4.05665	ug/L	0.093663	2.31%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	145.5	17.2237	ug/L	1.24854	17.2237	ug/L	1.24854	7.25%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-99.7	-26.0048	ug/L	3.94012	-26.0048	ug/L	3.94012	15.15%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	677.9	-0.0011086	ug/L	0.00132768	-0.0011086	ug/L	0.00132768	119.77%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	-4.2	1.70547	ug/L	0.314500	1.70547	ug/L	0.314500	18.44%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-7.7	-6.46398	ug/L	7.542004	-6.46398	ug/L	7.542004	116.68%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	225.2	-1.17676	ug/L	0.783139	-1.17676	ug/L	0.783139	66.55%
QC value within limits for V 292.395 Recovery = Not calculated								
Zn 206.200†	58.1	-3.36293	ug/L	0.187010	-3.36293	ug/L	0.187010	5.56%

QC value within limits for Zn 206.200 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 10
Sample ID: 0B09014-IFA2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 2/9/2010 11:13:23 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B09014-IFA2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	190073.2	190073.2	102.146	%			11:14:29
1	Al 396.153†	459.3	272.8	59.1217	ug/L	59.1217	ug/L	11:14:29
1	Ba 455.398†	-11.2	35.7	-0.170228	ug/L	-0.170228	ug/L	11:14:29
1	Ca 315.887†	127.3	8.0	-0.0103223	mg/L	-0.0103223	mg/L	11:14:49
1	Fe 238.204†	47.5	12.5	-3.45046	ug/L	-3.45046	ug/L	11:14:49
1	K 766.490	77.8	27.0	-0.0056979	mg/L	-0.0056979	mg/L	11:14:29
1	Li 670.784†	188.6	246.7	3.83227	ug/L	3.83227	ug/L	11:14:29
1	Mg 279.071†	-73.1	-89.1	-0.205906	mg/L	-0.205906	mg/L	11:14:49
1	Na 589.592†	932.2	248.0	0.0340085	mg/L	0.0340085	mg/L	11:14:29
1	Sr 407.771†	170.4	12.9	-0.835536	ug/L	-0.835536	ug/L	11:14:29
1	Ti 334.940†	309618.4	303147.7	19871.6	ug/L	19871.6	ug/L	11:14:29
1	Y 360.076	231827.4	231827.4	98.6012	%			11:15:21
1	Ag 328.068†	110.6	21.1	5.14025	ug/L	5.14025	ug/L	11:15:26
1	As 188.979†	81.3	107.8	-11.0778	ug/L	-11.0778	ug/L	11:15:46
1	B 249.677†	674.9	17.4	5.48313	ug/L	5.48313	ug/L	11:15:46
1	Be 234.861†	-732.3	38.7	0.0157523	ug/L	0.0157523	ug/L	11:15:46
1	Cd 214.437†	713.9	312.3	-1.39638	ug/L	-1.39638	ug/L	11:15:26
1	Ce 413.764†	1036.9	237.9	2.86176	ug/L	2.86176	ug/L	11:15:26
1	Co 228.616†	194.1	279.4	-2.73700	ug/L	-2.73700	ug/L	11:15:46
1	Cr 205.557†	226615.7	229859.4	20137.7	ug/L	20137.7	ug/L	11:15:21
1	Cu 327.397†	679912.2	689553.8	21016.7	ug/L	21016.7	ug/L	11:15:21
1	Mn 257.610†	2876900.5	2917507.4	19924.7	ug/L	19924.7	ug/L	11:15:21
1	Mo 202.031†	92.8	4.1	1.59537	ug/L	1.59537	ug/L	11:15:46
1	Ni 231.604†	243729.7	246833.6	20574.8	ug/L	20574.8	ug/L	11:15:21
1	Pb 220.353†	69.2	37.0	-20.4332	ug/L	-20.4332	ug/L	11:15:46
1	Sb 217.584†	-132.6	-87.1	-30.6703	ug/L	-30.6703	ug/L	11:15:46
1	Se 196.026†	-41.2	-6.4	-13.1739	ug/L	-13.1739	ug/L	11:15:46
1	Si 251.611†	9329.1	9324.2	343.488	ug/L	343.488	ug/L	11:15:26
1	Sn 189.927†	-38.6	-45.8	-21.6937	ug/L	-21.6937	ug/L	11:15:46
1	Tl 190.801†	-223.1	-187.5	-1.18521	ug/L	-1.18521	ug/L	11:15:46
1	V 292.395†	907367.5	921555.2	20288.7	ug/L	20288.7	ug/L	11:15:21
1	Zn 206.200†	149.3	218.2	12.5711	ug/L	12.5711	ug/L	11:15:26
2	Sc 357.234	191194.5	191194.5	102.749	%			11:14:54
2	Al 396.153†	497.0	306.8	69.7315	ug/L	69.7315	ug/L	11:14:54
2	Ba 455.398†	-4.2	42.6	-0.147365	ug/L	-0.147365	ug/L	11:14:54
2	Ca 315.887†	123.8	3.9	-0.0130738	mg/L	-0.0130738	mg/L	11:15:14
2	Fe 238.204†	39.8	4.7	-6.64705	ug/L	-6.64705	ug/L	11:15:14
2	K 766.490	84.8	34.0	0.0037056	mg/L	0.0037056	mg/L	11:14:54
2	Li 670.784†	164.7	222.3	3.13372	ug/L	3.13372	ug/L	11:14:54
2	Mg 279.071†	-73.8	-89.4	-0.206468	mg/L	-0.206468	mg/L	11:15:14
2	Na 589.592†	941.9	252.1	0.0346301	mg/L	0.0346301	mg/L	11:14:54
2	Sr 407.771†	174.6	16.0	-0.831546	ug/L	-0.831546	ug/L	11:14:54
2	Ti 334.940†	314110.1	305741.6	20041.6	ug/L	20041.6	ug/L	11:14:54
2	Y 360.076	235943.6	235943.6	100.352	%			11:15:52
2	Ag 328.068†	79.2	-12.1	4.56058	ug/L	4.56058	ug/L	11:15:57
2	As 188.979†	79.6	104.7	-16.8630	ug/L	-16.8630	ug/L	11:16:17
2	B 249.677†	674.4	5.0	4.44938	ug/L	4.44938	ug/L	11:16:17
2	Be 234.861†	-722.8	61.1	0.128567	ug/L	0.128567	ug/L	11:16:17
2	Cd 214.437†	743.8	329.5	-0.539900	ug/L	-0.539900	ug/L	11:15:57
2	Ce 413.764†	993.6	176.3	1.09646	ug/L	1.09646	ug/L	11:15:57
2	Co 228.616†	194.9	276.8	-3.53079	ug/L	-3.53079	ug/L	11:16:17
2	Cr 205.557†	228465.6	227693.3	19947.9	ug/L	19947.9	ug/L	11:15:52
2	Cu 327.397†	685186.2	682779.6	20810.4	ug/L	20810.4	ug/L	11:15:52
2	Mn 257.610†	2898606.7	2888236.3	19724.7	ug/L	19724.7	ug/L	11:15:52
2	Mo 202.031†	101.7	11.4	2.51727	ug/L	2.51727	ug/L	11:16:17
2	Ni 231.604†	245879.0	244663.1	20393.8	ug/L	20393.8	ug/L	11:15:52
2	Pb 220.353†	75.0	41.6	-16.9197	ug/L	-16.9197	ug/L	11:16:17

2	Sb 217.584†	-131.8	-83.9	-28.5648 ug/L	-28.5648 ug/L	11:16:17
2	Se 196.026†	-38.0	-2.6	-2.79739 ug/L	-2.79739 ug/L	11:16:17
2	Si 251.611†	9367.1	9197.0	327.166 ug/L	327.166 ug/L	11:15:57
2	Sn 189.927†	-32.6	-39.1	-18.5832 ug/L	-18.5832 ug/L	11:16:17
2	Tl 190.801†	-232.7	-193.2	-6.88026 ug/L	-6.88026 ug/L	11:16:17
2	V 292.395†	914917.2	913024.3	20100.7 ug/L	20100.7 ug/L	11:15:52
2	Zn 206.200†	109.6	176.1	8.21082 ug/L	8.21082 ug/L	11:15:57

Mean Data: 0B09014-IFA2

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	190633.9	102.447	%	0.4261				0.42%
Y 360.076	233885.5	99.4765	%	1.23793				1.24%
Ag 328.068†	4.5	4.85041	ug/L	0.409891	4.85041	ug/L	0.409891	8.45%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	289.8	64.4266	ug/L	7.50230	64.4266	ug/L	7.50230	11.64%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	106.3	-13.9704	ug/L	4.09079	-13.9704	ug/L	4.09079	29.28%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	11.2	4.96625	ug/L	0.730972	4.96625	ug/L	0.730972	14.72%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	39.2	-0.158796	ug/L	0.0161662	-0.158796	ug/L	0.0161662	10.18%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	49.9	0.0721598	ug/L	0.07977236	0.0721598	ug/L	0.07977236	110.55%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	5.9	-0.0116980	mg/L	0.00194563	-0.0116980	mg/L	0.00194563	16.63%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	320.9	-0.968139	ug/L	0.6056217	-0.968139	ug/L	0.6056217	62.56%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	207.1	1.97911	ug/L	1.248257	1.97911	ug/L	1.248257	63.07%
Co 228.616†	278.1	-3.13389	ug/L	0.561292	-3.13389	ug/L	0.561292	17.91%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	228776.3	20042.8	ug/L	134.21	20042.8	ug/L	134.21	0.67%
QC value within limits for Cr 205.557 Recovery = 100.21%								
Cu 327.397†	686166.7	20913.5	ug/L	145.84	20913.5	ug/L	145.84	0.70%
QC value within limits for Cu 327.397 Recovery = 104.57%								
Fe 238.204†	8.6	-5.04876	ug/L	2.260329	-5.04876	ug/L	2.260329	44.77%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	30.5	-0.0009961	mg/L	0.00664928	-0.0009961	mg/L	0.00664928	667.50%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	234.5	3.48300	ug/L	0.493951	3.48300	ug/L	0.493951	14.18%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	-89.2	-0.206187	mg/L	0.0003977	-0.206187	mg/L	0.0003977	0.19%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	2902871.8	19824.7	ug/L	141.36	19824.7	ug/L	141.36	0.71%
QC value within limits for Mn 257.610 Recovery = 99.12%								
Mo 202.031†	7.7	2.05632	ug/L	0.651882	2.05632	ug/L	0.651882	31.70%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	250.0	0.0343193	mg/L	0.00043959	0.0343193	mg/L	0.00043959	1.28%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	245748.4	20484.3	ug/L	127.94	20484.3	ug/L	127.94	0.62%
QC value within limits for Ni 231.604 Recovery = 102.42%								
Pb 220.353†	39.3	-18.6765	ug/L	2.48441	-18.6765	ug/L	2.48441	13.30%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	-85.5	-29.6175	ug/L	1.48881	-29.6175	ug/L	1.48881	5.03%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	-4.5	-7.98562	ug/L	7.337274	-7.98562	ug/L	7.337274	91.88%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	9260.6	335.327	ug/L	11.5411	335.327	ug/L	11.5411	3.44%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-42.5	-20.1384	ug/L	2.19940	-20.1384	ug/L	2.19940	10.92%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	14.5	-0.833541	ug/L	0.0028218	-0.833541	ug/L	0.0028218	0.34%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	304444.6	19956.6	ug/L	120.22	19956.6	ug/L	120.22	0.60%
QC value within limits for Ti 334.940 Recovery = 99.78%								
Tl 190.801†	-190.4	-4.03273	ug/L	4.027008	-4.03273	ug/L	4.027008	99.86%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	917289.7	20194.7	ug/L	132.95	20194.7	ug/L	132.95	0.66%
QC value within limits for V 292.395 Recovery = 100.97%								

Zn 206.200† 197.1 10.3909 ug/L 3.08315 10.3909 ug/L 3.08315 29.67%
QC value within limits for Zn 206.200 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 11
Sample ID: 0B09014-IFB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 13
Date Collected: 2/9/2010 11:19:34 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B09014-IFB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	188226.7	188226.7	101.154	%			11:20:40
1	Al 396.153†	319518.8	315697.3	99734.4	ug/L	99734.4	ug/L	11:20:40
1	Ba 455.398†	135512.8	134013.8	446.403	ug/L	446.403	ug/L	11:20:40
1	Ca 315.887†	148769.8	146956.3	97.4372	mg/L	97.4372	mg/L	11:20:40
1	Fe 238.204†	93163.7	92067.0	39013.2	ug/L	39013.2	ug/L	11:20:40
1	K 766.490	57.1	6.3	-0.0335370	mg/L	-0.0335370	mg/L	11:21:00
1	Li 670.784†	31.6	93.3	-0.570776	ug/L	-0.570776	ug/L	11:21:00
1	Mg 279.071†	46521.9	45973.8	98.0354	mg/L	98.0354	mg/L	11:20:40
1	Na 589.592†	596.1	-75.3	-0.0144457	mg/L	-0.0144457	mg/L	11:20:40
1	Sr 407.771†	823.5	660.2	-0.0233572	ug/L	-0.0233572	ug/L	11:21:00
1	Ti 334.940†	-32.1	2.8	2.16169	ug/L	2.16169	ug/L	11:21:00
1	Y 360.076	231045.5	231045.5	98.2686	%			11:21:32
1	Ag 328.068†	62424.8	63433.6	1017.14	ug/L	1017.14	ug/L	11:21:32
1	As 188.979†	-27.6	-2.6	-14.2499	ug/L	-14.2499	ug/L	11:21:52
1	B 249.677†	547.4	-110.0	-8.77175	ug/L	-8.77175	ug/L	11:21:32
1	Be 234.861†	11860.2	12850.6	50.0913	ug/L	50.0913	ug/L	11:21:32
1	Cd 214.437†	24893.5	24920.4	951.916	ug/L	951.916	ug/L	11:21:32
1	Ce 413.764†	803.6	4.0	0.201901	ug/L	0.201901	ug/L	11:21:32
1	Co 228.616†	2980.1	3115.2	481.005	ug/L	481.005	ug/L	11:21:52
1	Cr 205.557†	5475.6	5600.9	491.578	ug/L	491.578	ug/L	11:21:52
1	Cu 327.397†	16921.5	17215.6	524.198	ug/L	524.198	ug/L	11:21:32
1	Mn 257.610†	71197.1	72245.2	493.429	ug/L	493.429	ug/L	11:21:32
1	Mo 202.031†	156.9	69.6	9.92458	ug/L	9.92458	ug/L	11:21:52
1	Ni 231.604†	11666.9	11518.7	958.191	ug/L	958.191	ug/L	11:21:32
1	Pb 220.353†	1579.9	1574.5	973.396	ug/L	973.396	ug/L	11:21:52
1	Sb 217.584†	-285.1	-242.8	-67.6868	ug/L	-67.6868	ug/L	11:21:52
1	Se 196.026†	-51.3	-16.8	4.89193	ug/L	4.89193	ug/L	11:21:52
1	Si 251.611†	372.2	241.5	26.2773	ug/L	26.2773	ug/L	11:21:52
1	Sn 189.927†	-86.7	-94.9	-23.4882	ug/L	-23.4882	ug/L	11:21:52
1	Tl 190.801†	-40.3	-2.4	-2.19110	ug/L	-2.19110	ug/L	11:21:52
1	V 292.395†	21014.5	22700.0	493.828	ug/L	493.828	ug/L	11:21:32
1	Zn 206.200†	8816.9	9039.1	942.587	ug/L	942.587	ug/L	11:21:32
2	Sc 357.234	188821.7	188821.7	101.474	%			11:21:05
2	Al 396.153†	321924.7	317072.9	100169	ug/L	100169	ug/L	11:21:05
2	Ba 455.398†	136605.1	134668.1	448.584	ug/L	448.584	ug/L	11:21:05
2	Ca 315.887†	149577.2	147288.5	97.6575	mg/L	97.6575	mg/L	11:21:05
2	Fe 238.204†	93847.1	92450.3	39175.6	ug/L	39175.6	ug/L	11:21:05
2	K 766.490	69.5	18.7	-0.0168566	mg/L	-0.0168566	mg/L	11:21:25
2	Li 670.784†	37.7	99.2	-0.400841	ug/L	-0.400841	ug/L	11:21:25
2	Mg 279.071†	46845.6	46147.8	98.4066	mg/L	98.4066	mg/L	11:21:05
2	Na 589.592†	544.4	-128.2	-0.0223693	mg/L	-0.0223693	mg/L	11:21:05
2	Sr 407.771†	831.9	666.0	-0.0160932	ug/L	-0.0160932	ug/L	11:21:25
2	Ti 334.940†	-26.7	8.2	2.51730	ug/L	2.51730	ug/L	11:21:25
2	Y 360.076	229267.6	229267.6	97.5124	%			11:21:57
2	Ag 328.068†	62725.3	64234.3	1029.92	ug/L	1029.92	ug/L	11:21:57
2	As 188.979†	-23.7	1.1	-8.15760	ug/L	-8.15760	ug/L	11:22:17
2	B 249.677†	608.5	-43.0	-5.11499	ug/L	-5.11499	ug/L	11:21:57
2	Be 234.861†	11924.4	13010.0	50.8286	ug/L	50.8286	ug/L	11:21:57
2	Cd 214.437†	25050.3	25277.6	965.730	ug/L	965.730	ug/L	11:21:57
2	Ce 413.764†	784.1	-9.6	-0.164574	ug/L	-0.164574	ug/L	11:21:57
2	Co 228.616†	3001.0	3160.1	487.979	ug/L	487.979	ug/L	11:22:17
2	Cr 205.557†	5454.2	5622.1	493.443	ug/L	493.443	ug/L	11:22:17
2	Cu 327.397†	16966.2	17395.1	529.663	ug/L	529.663	ug/L	11:21:57
2	Mn 257.610†	71377.5	72992.0	498.536	ug/L	498.536	ug/L	11:21:57
2	Mo 202.031†	170.4	84.7	11.8426	ug/L	11.8426	ug/L	11:22:17
2	Ni 231.604†	11688.9	11633.4	967.740	ug/L	967.740	ug/L	11:21:57

2	Pb 220.353†	1578.4	1585.5	980.175 ug/L	980.175 ug/L	11:22:17
2	Sb 217.584†	-287.3	-247.3	-70.6509 ug/L	-70.6509 ug/L	11:22:17
2	Se 196.026†	-64.9	-31.2	-33.6189 ug/L	-33.6189 ug/L	11:22:17
2	Si 251.611†	369.8	242.0	26.3584 ug/L	26.3584 ug/L	11:22:17
2	Sn 189.927†	-88.2	-97.2	-24.4953 ug/L	-24.4953 ug/L	11:22:17
2	Tl 190.801†	-45.6	-8.1	-9.22580 ug/L	-9.22580 ug/L	11:22:17
2	V 292.395†	21052.4	22904.7	498.329 ug/L	498.329 ug/L	11:21:57
2	Zn 206.200†	8859.6	9152.4	954.499 ug/L	954.499 ug/L	11:21:57

Mean Data: 0B09014-IFB1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	188524.2	101.314	%	0.2261				0.22%
Y 360.076	230156.5	97.8905	%	0.53469				0.55%
Ag 328.068†	63834.0	1023.53	ug/L	9.036	1023.53	ug/L	9.036	0.88%
QC value within limits for Ag 328.068 Recovery = 102.35%								
Al 396.153†	316385.1	99951.7	ug/L	307.27	99951.7	ug/L	307.27	0.31%
QC value within limits for Al 396.153 Recovery = 99.95%								
As 188.979†	-0.8	-11.2037	ug/L	4.30789	-11.2037	ug/L	4.30789	38.45%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-76.5	-6.94337	ug/L	2.585723	-6.94337	ug/L	2.585723	37.24%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	134340.9	447.493	ug/L	1.5422	447.493	ug/L	1.5422	0.34%
QC value within limits for Ba 455.398 Recovery = 89.50%								
Be 234.861†	12930.3	50.4600	ug/L	0.52134	50.4600	ug/L	0.52134	1.03%
QC value within limits for Be 234.861 Recovery = 100.92%								
Ca 315.887†	147122.4	97.5473	mg/L	0.15578	97.5473	mg/L	0.15578	0.16%
QC value within limits for Ca 315.887 Recovery = 97.55%								
Cd 214.437†	25099.0	958.823	ug/L	9.7679	958.823	ug/L	9.7679	1.02%
QC value within limits for Cd 214.437 Recovery = 95.88%								
Ce 413.764†	-2.8	0.0186637	ug/L	0.25913691	0.0186637	ug/L	0.25913691	>999.9%
Co 228.616†	3137.6	484.492	ug/L	4.9317	484.492	ug/L	4.9317	1.02%
QC value within limits for Co 228.616 Recovery = 96.90%								
Cr 205.557†	5611.5	492.511	ug/L	1.3189	492.511	ug/L	1.3189	0.27%
QC value within limits for Cr 205.557 Recovery = 98.50%								
Cu 327.397†	17305.4	526.930	ug/L	3.8645	526.930	ug/L	3.8645	0.73%
QC value within limits for Cu 327.397 Recovery = 105.39%								
Fe 238.204†	92258.6	39094.4	ug/L	114.83	39094.4	ug/L	114.83	0.29%
QC value within limits for Fe 238.204 Recovery = 97.74%								
K 766.490	12.5	-0.0251968	mg/L	0.01179479	-0.0251968	mg/L	0.01179479	46.81%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	96.2	-0.485808	ug/L	0.1201627	-0.485808	ug/L	0.1201627	24.73%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	46060.8	98.2210	mg/L	0.26247	98.2210	mg/L	0.26247	0.27%
QC value within limits for Mg 279.071 Recovery = 98.22%								
Mn 257.610†	72618.6	495.982	ug/L	3.6111	495.982	ug/L	3.6111	0.73%
QC value within limits for Mn 257.610 Recovery = 99.20%								
Mo 202.031†	77.1	10.8836	ug/L	1.35628	10.8836	ug/L	1.35628	12.46%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-101.8	-0.0184075	mg/L	0.00560282	-0.0184075	mg/L	0.00560282	30.44%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	11576.0	962.965	ug/L	6.7521	962.965	ug/L	6.7521	0.70%
QC value within limits for Ni 231.604 Recovery = 96.30%								
Pb 220.353†	1580.0	976.786	ug/L	4.7935	976.786	ug/L	4.7935	0.49%
QC value within limits for Pb 220.353 Recovery = 97.68%								
Sb 217.584†	-245.0	-69.1689	ug/L	2.09594	-69.1689	ug/L	2.09594	3.03%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	-24.0	-14.3635	ug/L	27.23126	-14.3635	ug/L	27.23126	189.59%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	241.8	26.3178	ug/L	0.05738	26.3178	ug/L	0.05738	0.22%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-96.0	-23.9917	ug/L	0.71213	-23.9917	ug/L	0.71213	2.97%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	663.1	-0.0197252	ug/L	0.00513644	-0.0197252	ug/L	0.00513644	26.04%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	5.5	2.33949	ug/L	0.251460	2.33949	ug/L	0.251460	10.75%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-5.2	-5.70845	ug/L	4.974285	-5.70845	ug/L	4.974285	87.14%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	22802.4	496.079	ug/L	3.1832	496.079	ug/L	3.1832	0.64%

QC value within limits for V 292.395 Recovery = 99.22%

Zn 206.200†	9095.7	948.543 ug/L	8.4232	948.543 ug/L	8.4232	0.89%

QC value within limits for Zn 206.200 Recovery = 94.85%

All analyte(s) passed QC.

Sequence No.: 12
Sample ID: 0B09014-IFB2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 2/9/2010 11:25:34 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B09014-IFB2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	190207.7	190207.7	102.218	%			11:26:39
1	Al 396.153†	3687.0	3430.1	1039.92	ug/L	1039.92	ug/L	11:26:39
1	Ba 455.398†	175.4	218.3	0.438215	ug/L	0.438215	ug/L	11:26:39
1	Ca 315.887†	7669.7	7386.6	4.88274	mg/L	4.88274	mg/L	11:26:39
1	Fe 238.204†	43.8	8.8	-5.04566	ug/L	-5.04566	ug/L	11:26:59
1	K 766.490	103.3	52.5	0.0285089	mg/L	0.0285089	mg/L	11:26:39
1	Li 670.784†	146.5	205.4	2.64878	ug/L	2.64878	ug/L	11:26:39
1	Mg 279.071†	2347.9	2279.4	4.84558	mg/L	4.84558	mg/L	11:26:59
1	Na 589.592†	35060.6	33635.0	5.03812	mg/L	5.03812	mg/L	11:26:39
1	Sr 407.771†	655.4	487.2	-0.240318	ug/L	-0.240318	ug/L	11:26:39
1	Ti 334.940†	306130.8	299521.4	19633.9	ug/L	19633.9	ug/L	11:26:39
1	Y 360.076	232643.6	232643.6	98.9483	%			11:27:31
1	Ag 328.068†	108.4	18.5	5.03859	ug/L	5.03859	ug/L	11:27:36
1	As 188.979†	723.4	756.5	1048.88	ug/L	1048.88	ug/L	11:27:57
1	B 249.677†	17990.3	17514.4	961.224	ug/L	961.224	ug/L	11:27:36
1	Be 234.861†	-709.9	63.9	0.135005	ug/L	0.135005	ug/L	11:27:57
1	Cd 214.437†	721.7	317.7	-0.802809	ug/L	-0.802809	ug/L	11:27:36
1	Ce 413.764†	1027.7	224.8	2.50072	ug/L	2.50072	ug/L	11:27:36
1	Co 228.616†	184.7	269.2	-3.79218	ug/L	-3.79218	ug/L	11:27:57
1	Cr 205.557†	220929.9	223306.8	19563.7	ug/L	19563.7	ug/L	11:27:31
1	Cu 327.397†	664198.9	671254.2	20459.1	ug/L	20459.1	ug/L	11:27:31
1	Mn 257.610†	2807900.0	2837537.0	19378.5	ug/L	19378.5	ug/L	11:27:31
1	Mo 202.031†	7818.2	7811.3	994.624	ug/L	994.624	ug/L	11:27:36
1	Ni 231.604†	237305.6	239474.1	19963.0	ug/L	19963.0	ug/L	11:27:31
1	Pb 220.353†	73.8	41.4	-16.4024	ug/L	-16.4024	ug/L	11:27:57
1	Sb 217.584†	1159.1	1218.8	976.415	ug/L	976.415	ug/L	11:27:57
1	Se 196.026†	314.4	353.1	951.715	ug/L	951.715	ug/L	11:27:57
1	Si 251.611†	9083.5	9042.8	323.452	ug/L	323.452	ug/L	11:27:36
1	Sn 189.927†	-47.6	-54.8	-24.8562	ug/L	-24.8562	ug/L	11:27:57
1	Tl 190.801†	578.5	623.3	987.750	ug/L	987.750	ug/L	11:27:57
1	V 292.395†	887780.5	898531.4	19792.3	ug/L	19792.3	ug/L	11:27:31
1	Zn 206.200†	130.1	198.3	11.2796	ug/L	11.2796	ug/L	11:27:36
2	Sc 357.234	191292.2	191292.2	102.801	%			11:27:04
2	Al 396.153†	3695.2	3417.7	1036.11	ug/L	1036.11	ug/L	11:27:04
2	Ba 455.398†	143.4	186.2	0.331349	ug/L	0.331349	ug/L	11:27:04
2	Ca 315.887†	7725.7	7398.6	4.89067	mg/L	4.89067	mg/L	11:27:04
2	Fe 238.204†	43.9	8.7	-5.10696	ug/L	-5.10696	ug/L	11:27:24
2	K 766.490	75.4	24.6	-0.0089653	mg/L	-0.0089653	mg/L	11:27:04
2	Li 670.784†	148.1	206.1	2.66903	ug/L	2.66903	ug/L	11:27:04
2	Mg 279.071†	2354.9	2273.2	4.83234	mg/L	4.83234	mg/L	11:27:24
2	Na 589.592†	35116.8	33495.3	5.01717	mg/L	5.01717	mg/L	11:27:04
2	Sr 407.771†	668.6	496.5	-0.228763	ug/L	-0.228763	ug/L	11:27:04
2	Ti 334.940†	308241.3	299876.6	19657.2	ug/L	19657.2	ug/L	11:27:04
2	Y 360.076	233675.4	233675.4	99.3872	%			11:28:02
2	Ag 328.068†	138.1	47.9	5.50802	ug/L	5.50802	ug/L	11:28:07
2	As 188.979†	719.0	748.8	1036.08	ug/L	1036.08	ug/L	11:28:28
2	B 249.677†	18063.7	17508.1	960.941	ug/L	960.941	ug/L	11:28:07
2	Be 234.861†	-718.2	58.7	0.109031	ug/L	0.109031	ug/L	11:28:28
2	Cd 214.437†	713.7	306.4	-1.28937	ug/L	-1.28937	ug/L	11:28:07
2	Ce 413.764†	1009.4	201.8	1.87184	ug/L	1.87184	ug/L	11:28:07
2	Co 228.616†	185.3	269.0	-3.87408	ug/L	-3.87408	ug/L	11:28:28
2	Cr 205.557†	222657.7	224059.4	19629.6	ug/L	19629.6	ug/L	11:28:02
2	Cu 327.397†	666606.7	670713.1	20442.6	ug/L	20442.6	ug/L	11:28:02
2	Mn 257.610†	2823137.5	2840338.5	19397.6	ug/L	19397.6	ug/L	11:28:02
2	Mo 202.031†	7797.8	7755.9	987.581	ug/L	987.581	ug/L	11:28:07

2	Ni 231.604†	239078.3	240198.8	20023.4 ug/L	20023.4 ug/L	11:28:02
2	Pb 220.353†	69.9	37.1	-18.9882 ug/L	-18.9882 ug/L	11:28:28
2	Sb 217.584†	1136.9	1191.2	955.222 ug/L	955.222 ug/L	11:28:28
2	Se 196.026†	323.1	360.5	971.554 ug/L	971.554 ug/L	11:28:28
2	Si 251.611†	9332.1	9252.4	342.400 ug/L	342.400 ug/L	11:28:07
2	Sn 189.927†	-38.7	-45.6	-20.5520 ug/L	-20.5520 ug/L	11:28:28
2	Tl 190.801†	573.7	615.9	978.921 ug/L	978.921 ug/L	11:28:28
2	V 292.395†	892266.2	899083.2	19804.4 ug/L	19804.4 ug/L	11:28:02
2	Zn 206.200†	96.0	163.4	7.57048 ug/L	7.57048 ug/L	11:28:07

Mean Data: 0B09014-IFB2

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	190750.0	102.510	%	0.4121				0.40%
Y 360.076	233159.5	99.1678	%	0.31031				0.31%
Ag 328.068†	33.2	5.27331	ug/L	0.331933	5.27331	ug/L	0.331933	6.29%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	3423.9	1038.02	ug/L	2.692	1038.02	ug/L	2.692	0.26%
QC value within limits for Al 396.153 Recovery = 103.80%								
As 188.979†	752.7	1042.48	ug/L	9.055	1042.48	ug/L	9.055	0.87%
QC value within limits for As 188.979 Recovery = 104.25%								
B 249.677†	17511.2	961.082	ug/L	0.1999	961.082	ug/L	0.1999	0.02%
QC value within limits for B 249.677 Recovery = 96.11%								
Ba 455.398†	202.3	0.384782	ug/L	0.0755661	0.384782	ug/L	0.0755661	19.64%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	61.3	0.122018	ug/L	0.0183662	0.122018	ug/L	0.0183662	15.05%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	7392.6	4.88671	mg/L	0.005605	4.88671	mg/L	0.005605	0.11%
QC value within limits for Ca 315.887 Recovery = 97.73%								
Cd 214.437†	312.0	-1.04609	ug/L	0.344052	-1.04609	ug/L	0.344052	32.89%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	213.3	2.18628	ug/L	0.444682	2.18628	ug/L	0.444682	20.34%
Co 228.616†	269.1	-3.83313	ug/L	0.057909	-3.83313	ug/L	0.057909	1.51%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	223683.1	19596.6	ug/L	46.63	19596.6	ug/L	46.63	0.24%
QC value within limits for Cr 205.557 Recovery = 97.98%								
Cu 327.397†	670983.6	20450.9	ug/L	11.64	20450.9	ug/L	11.64	0.06%
QC value within limits for Cu 327.397 Recovery = 102.25%								
Fe 238.204†	8.7	-5.07631	ug/L	0.043343	-5.07631	ug/L	0.043343	0.85%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	38.5	0.0097718	mg/L	0.02649829	0.0097718	mg/L	0.02649829	271.17%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	205.8	2.65891	ug/L	0.014323	2.65891	ug/L	0.014323	0.54%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	2276.3	4.83896	mg/L	0.009364	4.83896	mg/L	0.009364	0.19%
QC value within limits for Mg 279.071 Recovery = 96.78%								
Mn 257.610†	2838937.8	19388.0	ug/L	13.53	19388.0	ug/L	13.53	0.07%
QC value within limits for Mn 257.610 Recovery = 96.94%								
Mo 202.031†	7783.6	991.102	ug/L	4.9800	991.102	ug/L	4.9800	0.50%
QC value within limits for Mo 202.031 Recovery = 99.11%								
Na 589.592†	33565.2	5.02764	mg/L	0.014812	5.02764	mg/L	0.014812	0.29%
QC value within limits for Na 589.592 Recovery = 100.55%								
Ni 231.604†	239836.4	19993.2	ug/L	42.71	19993.2	ug/L	42.71	0.21%
QC value within limits for Ni 231.604 Recovery = 99.97%								
Pb 220.353†	39.2	-17.6953	ug/L	1.82846	-17.6953	ug/L	1.82846	10.33%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	1205.0	965.819	ug/L	14.9854	965.819	ug/L	14.9854	1.55%
QC value within limits for Sb 217.584 Recovery = 96.58%								
Se 196.026†	356.8	961.635	ug/L	14.0280	961.635	ug/L	14.0280	1.46%
QC value within limits for Se 196.026 Recovery = 96.16%								
Si 251.611†	9147.6	332.926	ug/L	13.3980	332.926	ug/L	13.3980	4.02%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-50.2	-22.7041	ug/L	3.04354	-22.7041	ug/L	3.04354	13.41%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	491.9	-0.234540	ug/L	0.0081710	-0.234540	ug/L	0.0081710	3.48%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	299699.0	19645.5	ug/L	16.46	19645.5	ug/L	16.46	0.08%
QC value within limits for Ti 334.940 Recovery = 98.23%								
Tl 190.801†	619.6	983.335	ug/L	6.2431	983.335	ug/L	6.2431	0.63%
QC value within limits for Tl 190.801 Recovery = 98.33%								

V 292.395† 898807.3 19798.3 ug/L 8.52 19798.3 ug/L 8.52 0.04%
QC value within limits for V 292.395 Recovery = 98.99%
Zn 206.200† 180.9 9.42505 ug/L 2.622767 9.42505 ug/L 2.622767 27.83%
QC value within limits for Zn 206.200 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 13 **Autosampler Location: 4**
Sample ID: 0B09014-CCV **Date Collected: 2/9/2010 11:31:43 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

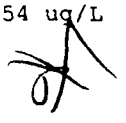
Replicate Data: 0B09014-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	189345.8	189345.8	101.755	%			11:32:49
1	Al 396.153†	8198.9	7880.6	2468.13	ug/L	2468.13	ug/L	11:32:49
1	Ba 455.398†	152175.5	149597.3	498.345	ug/L	498.345	ug/L	11:32:49
1	Ca 315.887†	7696.4	7447.0	4.92280	mg/L	4.92280	mg/L	11:33:09
1	Fe 238.204†	1218.5	1163.5	492.358	ug/L	492.358	ug/L	11:33:09
1	K 766.490	3753.3	3702.5	4.93315	mg/L	4.93315	mg/L	11:33:09
1	Li 670.784†	17864.7	17618.7	502.480	ug/L	502.480	ug/L	11:32:49
1	Mg 279.071†	2406.0	2347.0	4.98966	mg/L	4.98966	mg/L	11:33:09
1	Na 589.592†	34524.1	33263.9	4.98249	mg/L	4.98249	mg/L	11:32:49
1	Sr 407.771†	404917.4	397778.9	498.251	ug/L	498.251	ug/L	11:32:49
1	Ti 334.940†	7590.5	7494.0	493.172	ug/L	493.172	ug/L	11:33:09
1	Y 360.076	233354.4	233354.4	99.2507	%			11:33:41
1	Ag 328.068†	31223.1	31367.8	500.220	ug/L	500.220	ug/L	11:33:41
1	As 188.979†	1514.7	1551.5	2515.01	ug/L	2515.01	ug/L	11:34:01
1	B 249.677†	9461.5	8865.9	477.032	ug/L	477.032	ug/L	11:33:41
1	Be 234.861†	9303.4	10155.0	50.2786	ug/L	50.2786	ug/L	11:34:01
1	Cd 214.437†	13237.8	12926.1	500.316	ug/L	500.316	ug/L	11:34:01
1	Ce 413.764†	821.2	13.6	0.278314	ug/L	0.278314	ug/L	11:33:41
1	Co 228.616†	3156.4	3262.8	504.326	ug/L	504.326	ug/L	11:34:01
1	Cr 205.557†	5679.0	5750.6	502.628	ug/L	502.628	ug/L	11:34:01
1	Cu 327.397†	16687.6	16809.6	512.123	ug/L	512.123	ug/L	11:33:41
1	Mn 257.610†	73216.7	73563.1	500.981	ug/L	500.981	ug/L	11:33:41
1	Mo 202.031†	3987.8	3927.9	500.677	ug/L	500.677	ug/L	11:34:01
1	Ni 231.604†	6391.3	6085.8	506.142	ug/L	506.142	ug/L	11:34:01
1	Pb 220.353†	847.6	820.8	506.235	ug/L	506.235	ug/L	11:34:01
1	Sb 217.584†	3190.6	3262.1	2521.69	ug/L	2521.69	ug/L	11:34:01
1	Se 196.026†	899.6	941.7	2532.04	ug/L	2532.04	ug/L	11:34:01
1	Si 251.611†	26723.6	26788.1	2480.80	ug/L	2480.80	ug/L	11:33:41
1	Sn 189.927†	5267.9	5301.0	2487.86	ug/L	2487.86	ug/L	11:34:01
1	Tl 190.801†	1998.3	2052.1	2516.03	ug/L	2516.03	ug/L	11:34:01
1	V 292.395†	20973.2	22446.8	500.208	ug/L	500.208	ug/L	11:33:41
1	Zn 206.200†	4695.3	4797.6	503.130	ug/L	503.130	ug/L	11:34:01
2	Sc 357.234	188531.5	188531.5	101.318	%			11:33:15
2	Al 396.153†	8260.7	7976.4	2498.61	ug/L	2498.61	ug/L	11:33:15
2	Ba 455.398†	152620.1	150682.1	501.961	ug/L	501.961	ug/L	11:33:15
2	Ca 315.887†	7705.7	7488.9	4.95053	mg/L	4.95053	mg/L	11:33:35
2	Fe 238.204†	1215.3	1165.4	493.205	ug/L	493.205	ug/L	11:33:35
2	K 766.490	3752.0	3701.2	4.93141	mg/L	4.93141	mg/L	11:33:35
2	Li 670.784†	17922.8	17751.8	506.301	ug/L	506.301	ug/L	11:33:15
2	Mg 279.071†	2391.9	2343.2	4.98173	mg/L	4.98173	mg/L	11:33:35
2	Na 589.592†	34717.0	33600.9	5.03300	mg/L	5.03300	mg/L	11:33:15
2	Sr 407.771†	406004.0	400570.3	501.753	ug/L	501.753	ug/L	11:33:15
2	Ti 334.940†	7606.8	7542.3	496.338	ug/L	496.338	ug/L	11:33:35
2	Y 360.076	238362.8	238362.8	101.381	%			11:34:06
2	Ag 328.068†	31596.0	31074.6	495.541	ug/L	495.541	ug/L	11:34:06
2	As 188.979†	1519.7	1524.4	2470.90	ug/L	2470.90	ug/L	11:34:26
2	B 249.677†	9658.6	8860.0	476.732	ug/L	476.732	ug/L	11:34:06
2	Be 234.861†	9278.3	9933.3	49.1726	ug/L	49.1726	ug/L	11:34:26
2	Cd 214.437†	13274.8	12682.3	490.848	ug/L	490.848	ug/L	11:34:26
2	Ce 413.764†	778.7	-45.7	-1.32780	ug/L	-1.32780	ug/L	11:34:06
2	Co 228.616†	3153.3	3192.9	493.451	ug/L	493.451	ug/L	11:34:26
2	Cr 205.557†	5691.6	5642.8	493.185	ug/L	493.185	ug/L	11:34:26
2	Cu 327.397†	16821.3	16588.3	505.386	ug/L	505.386	ug/L	11:34:06
2	Mn 257.610†	74158.0	72941.6	496.737	ug/L	496.737	ug/L	11:34:06

2	Mo 202.031†	3983.2	3838.9	489.359 ug/L	489.359 ug/L	11:34:26
2	Ni 231.604†	6383.8	5943.1	494.246 ug/L	494.246 ug/L	11:34:26
2	Pb 220.353†	849.4	804.6	496.206 ug/L	496.206 ug/L	11:34:26
2	Sb 217.584†	3188.5	3192.4	2467.87 ug/L	2467.87 ug/L	11:34:26
2	Se 196.026†	896.8	919.9	2473.60 ug/L	2473.60 ug/L	11:34:26
2	Si 251.611†	27024.8	26519.4	2455.64 ug/L	2455.64 ug/L	11:34:06
2	Sn 189.927†	5286.7	5208.1	2444.28 ug/L	2444.28 ug/L	11:34:26
2	Tl 190.801†	2015.5	2026.7	2485.06 ug/L	2485.06 ug/L	11:34:26
2	V 292.395†	21289.4	22314.7	497.179 ug/L	497.179 ug/L	11:34:06
2	Zn 206.200†	4685.8	4688.8	491.658 ug/L	491.658 ug/L	11:34:26

Mean Data: 0B09014-CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	188938.6	101.536	%	0.3095				0.30%
Y 360.076	235858.6	100.316	%	1.5062				1.50%
Ag 328.068†	31221.2	497.880	ug/L	3.3086	497.880	ug/L	3.3086	0.66%
QC value within limits for Ag 328.068 Recovery = 99.58%								
Al 396.153†	7928.5	2483.37	ug/L	21.550	2483.37	ug/L	21.550	0.87%
QC value within limits for Al 396.153 Recovery = 99.33%								
As 188.979†	1538.0	2492.95	ug/L	31.195	2492.95	ug/L	31.195	1.25%
QC value within limits for As 188.979 Recovery = 99.72%								
B 249.677†	8862.9	476.882	ug/L	0.2120	476.882	ug/L	0.2120	0.04%
QC value within limits for B 249.677 Recovery = 95.38%								
Ba 455.398†	150139.7	500.153	ug/L	2.5567	500.153	ug/L	2.5567	0.51%
QC value within limits for Ba 455.398 Recovery = 100.03%								
Be 234.861†	10044.2	49.7256	ug/L	0.78204	49.7256	ug/L	0.78204	1.57%
QC value within limits for Be 234.861 Recovery = 99.45%								
Ca 315.887†	7467.9	4.93666	mg/L	0.019605	4.93666	mg/L	0.019605	0.40%
QC value within limits for Ca 315.887 Recovery = 98.73%								
Cd 214.437†	12804.2	495.582	ug/L	6.6945	495.582	ug/L	6.6945	1.35%
QC value within limits for Cd 214.437 Recovery = 99.12%								
Ce 413.764†	-16.0	-0.524745	ug/L	1.1356972	-0.524745	ug/L	1.1356972	216.43%
Co 228.616†	3227.8	498.889	ug/L	7.6900	498.889	ug/L	7.6900	1.54%
QC value within limits for Co 228.616 Recovery = 99.78%								
Cr 205.557†	5696.7	497.906	ug/L	6.6768	497.906	ug/L	6.6768	1.34%
QC value within limits for Cr 205.557 Recovery = 99.58%								
Cu 327.397†	16699.0	508.754	ug/L	4.7641	508.754	ug/L	4.7641	0.94%
QC value within limits for Cu 327.397 Recovery = 101.75%								
Fe 238.204†	1164.4	492.782	ug/L	0.5988	492.782	ug/L	0.5988	0.12%
QC value within limits for Fe 238.204 Recovery = 98.56%								
K 766.490	3701.8	4.93228	mg/L	0.001229	4.93228	mg/L	0.001229	0.02%
QC value within limits for K 766.490 Recovery = 98.65%								
Li 670.784†	17685.2	504.390	ug/L	2.7018	504.390	ug/L	2.7018	0.54%
QC value within limits for Li 670.784 Recovery = 100.88%								
Mg 279.071†	2345.1	4.98569	mg/L	0.005602	4.98569	mg/L	0.005602	0.11%
QC value within limits for Mg 279.071 Recovery = 99.71%								
Mn 257.610†	73252.4	498.859	ug/L	3.0012	498.859	ug/L	3.0012	0.60%
QC value within limits for Mn 257.610 Recovery = 99.77%								
Mo 202.031†	3883.4	495.018	ug/L	8.0036	495.018	ug/L	8.0036	1.62%
QC value within limits for Mo 202.031 Recovery = 99.00%								
Na 589.592†	33432.4	5.00775	mg/L	0.035714	5.00775	mg/L	0.035714	0.71%
QC value within limits for Na 589.592 Recovery = 100.15%								
Ni 231.604†	6014.5	500.194	ug/L	8.4120	500.194	ug/L	8.4120	1.68%
QC value within limits for Ni 231.604 Recovery = 100.04%								
Pb 220.353†	812.7	501.220	ug/L	7.0917	501.220	ug/L	7.0917	1.41%
QC value within limits for Pb 220.353 Recovery = 100.24%								
Sb 217.584†	3227.2	2494.78	ug/L	38.058	2494.78	ug/L	38.058	1.53%
QC value within limits for Sb 217.584 Recovery = 99.79%								
Se 196.026†	930.8	2502.82	ug/L	41.323	2502.82	ug/L	41.323	1.65%
QC value within limits for Se 196.026 Recovery = 100.11%								
Si 251.611†	26653.8	2468.22	ug/L	17.788	2468.22	ug/L	17.788	0.72%
QC value within limits for Si 251.611 Recovery = 98.73%								
Sn 189.927†	5254.5	2466.07	ug/L	30.819	2466.07	ug/L	30.819	1.25%
QC value within limits for Sn 189.927 Recovery = 98.64%								
Sr 407.771†	399174.6	500.002	ug/L	2.4766	500.002	ug/L	2.4766	0.50%
QC value within limits for Sr 407.771 Recovery = 100.00%								
Ti 334.940†	7518.2	494.755	ug/L	2.2386	494.755	ug/L	2.2386	0.45%
QC value within limits for Ti 334.940 Recovery = 98.95%								
Tl 190.801†	2039.4	2500.54	ug/L	21.901	2500.54	ug/L	21.901	0.88%



QC value within limits for Tl 190.801 Recovery = 100.02%

V 292.395†	22380.8	498.694 ug/L	2.1422	498.694 ug/L	2.1422	0.43%

QC value within limits for V 292.395 Recovery = 99.74%

Zn 206.200†	4743.2	497.394 ug/L	8.1116	497.394 ug/L	8.1116	1.63%

QC value within limits for Zn 206.200 Recovery = 99.48%

All analyte(s) passed QC.

Sequence No.: 14 **Autosampler Location: 1**
Sample ID: 0B09014-CCB **Date Collected: 2/9/2010 11:35:43 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0B09014-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	189834.5	189834.5	102.018	%			11:36:47
1	Al 396.153†	174.1	-6.2	-15.0217	ug/L	-15.0217	ug/L	11:36:47
1	Ba 455.398†	42.4	88.2	0.0047715	ug/L	0.0047715	ug/L	11:36:47
1	Ca 315.887†	128.5	9.3	-0.0094775	mg/L	-0.0094775	mg/L	11:37:07
1	Fe 238.204†	41.7	6.9	2.84696	ug/L	2.84696	ug/L	11:37:07
1	K 766.490	81.6	30.8	-0.0006159	mg/L	-0.0006159	mg/L	11:36:47
1	Li 670.784†	86.8	147.1	0.974808	ug/L	0.974808	ug/L	11:36:47
1	Mg 279.071†	21.6	3.7	-0.0079588	mg/L	-0.0079588	mg/L	11:37:07
1	Na 589.592†	565.6	-110.2	-0.0196739	mg/L	-0.0196739	mg/L	11:36:47
1	Sr 407.771†	86.7	-68.9	-0.938122	ug/L	-0.938122	ug/L	11:36:47
1	Ti 334.940†	-21.4	13.5	2.86715	ug/L	2.86715	ug/L	11:37:07
1	Y 360.076	236531.8	236531.8	100.602	%			11:37:39
1	Ag 328.068†	77.7	-13.8	0.0509687	ug/L	0.0509687	ug/L	11:37:39
1	As 188.979†	-21.5	4.0	-2.32040	ug/L	-2.32040	ug/L	11:37:59
1	B 249.677†	569.9	-100.6	-11.6750	ug/L	-11.6750	ug/L	11:37:59
1	Be 234.861†	-778.2	7.8	-0.137020	ug/L	-0.137020	ug/L	11:37:59
1	Cd 214.437†	404.5	-9.6	-1.89877	ug/L	-1.89877	ug/L	11:37:59
1	Ce 413.764†	874.2	55.3	1.49421	ug/L	1.49421	ug/L	11:37:39
1	Co 228.616†	-74.7	8.3	-0.496351	ug/L	-0.496351	ug/L	11:37:59
1	Cr 205.557†	-31.5	-2.6	-1.47026	ug/L	-1.47026	ug/L	11:37:59
1	Cu 327.397†	220.9	215.7	6.46491	ug/L	6.46491	ug/L	11:37:39
1	Mn 257.610†	232.7	25.0	-1.29089	ug/L	-1.29089	ug/L	11:37:59
1	Mo 202.031†	91.6	1.0	1.19788	ug/L	1.19788	ug/L	11:37:59
1	Ni 231.604†	350.2	-5.6	-1.71826	ug/L	-1.71826	ug/L	11:37:59
1	Pb 220.353†	37.8	4.4	0.791483	ug/L	0.791483	ug/L	11:37:59
1	Sb 217.584†	-53.0	-5.3	-3.27227	ug/L	-3.27227	ug/L	11:37:59
1	Se 196.026†	-27.7	7.8	25.0366	ug/L	25.0366	ug/L	11:37:59
1	Si 251.611†	176.8	38.5	-2.67999	ug/L	-2.67999	ug/L	11:37:59
1	Sn 189.927†	8.0	1.2	0.358680	ug/L	0.358680	ug/L	11:37:59
1	Tl 190.801†	-44.5	-5.6	-3.79023	ug/L	-3.79023	ug/L	11:37:59
1	V 292.395†	-1318.7	4.4	0.921569	ug/L	0.921569	ug/L	11:37:39
1	Zn 206.200†	-53.6	13.5	-0.871376	ug/L	-0.871376	ug/L	11:37:59
2	Sc 357.234	188813.3	188813.3	101.469	%			11:37:12
2	Al 396.153†	205.6	25.8	-4.93802	ug/L	-4.93802	ug/L	11:37:12
2	Ba 455.398†	40.8	86.9	0.0004053	ug/L	0.0004053	ug/L	11:37:12
2	Ca 315.887†	131.1	12.6	-0.0073162	mg/L	-0.0073162	mg/L	11:37:32
2	Fe 238.204†	35.2	0.6	0.215049	ug/L	0.215049	ug/L	11:37:32
2	K 766.490	107.6	56.8	0.0343405	mg/L	0.0343405	mg/L	11:37:12
2	Li 670.784†	91.1	151.8	1.11028	ug/L	1.11028	ug/L	11:37:12
2	Mg 279.071†	20.2	2.4	-0.0107303	mg/L	-0.0107303	mg/L	11:37:32
2	Na 589.592†	601.2	-72.2	-0.0139720	mg/L	-0.0139720	mg/L	11:37:12
2	Sr 407.771†	115.2	-40.3	-0.902306	ug/L	-0.902306	ug/L	11:37:12
2	Ti 334.940†	-34.7	0.3	1.99763	ug/L	1.99763	ug/L	11:37:32
2	Y 360.076	238292.5	238292.5	101.351	%			11:38:04
2	Ag 328.068†	114.2	21.6	0.607306	ug/L	0.607306	ug/L	11:38:04
2	As 188.979†	-17.5	8.2	4.40751	ug/L	4.40751	ug/L	11:38:24
2	B 249.677†	550.7	-123.7	-12.9308	ug/L	-12.9308	ug/L	11:38:24
2	Be 234.861†	-759.3	32.2	-0.0144096	ug/L	-0.0144096	ug/L	11:38:24
2	Cd 214.437†	411.0	-6.1	-1.76489	ug/L	-1.76489	ug/L	11:38:24
2	Ce 413.764†	823.8	-0.9	-0.0255813	ug/L	-0.0255813	ug/L	11:38:04
2	Co 228.616†	-87.4	-3.7	-2.35562	ug/L	-2.35562	ug/L	11:38:24
2	Cr 205.557†	-24.8	4.3	-0.863903	ug/L	-0.863903	ug/L	11:38:24
2	Cu 327.397†	208.2	201.5	6.03380	ug/L	6.03380	ug/L	11:38:04

2	Mn 257.610†	227.7	18.3	-1.33656 ug/L	-1.33656 ug/L	11:38:24
2	Mo 202.031†	95.3	4.0	1.58341 ug/L	1.58341 ug/L	11:38:24
2	Ni 231.604†	347.2	-11.2	-2.18195 ug/L	-2.18195 ug/L	11:38:24
2	Pb 220.353†	36.2	2.5	-0.378463 ug/L	-0.378463 ug/L	11:38:24
2	Sb 217.584†	-47.9	0.2	0.898691 ug/L	0.898691 ug/L	11:38:24
2	Se 196.026†	-34.5	1.3	7.57917 ug/L	7.57917 ug/L	11:38:24
2	Si 251.611†	170.2	30.7	-3.38090 ug/L	-3.38090 ug/L	11:38:24
2	Sn 189.927†	6.5	-0.3	-0.350767 ug/L	-0.350767 ug/L	11:38:24
2	Tl 190.801†	-39.4	-0.2	2.81686 ug/L	2.81686 ug/L	11:38:24
2	V 292.395†	-1304.8	27.9	1.44306 ug/L	1.44306 ug/L	11:38:04
2	Zn 206.200†	-56.4	11.2	-1.11846 ug/L	-1.11846 ug/L	11:38:24

Mean Data: 0B09014-CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	189323.9	101.743	%	0.3880				0.38%
Y 360.076	237412.1	100.976	%	0.5295				0.52%
Ag 328.068†	3.9	0.329137	ug/L	0.3933899	0.329137	ug/L	0.3933899	119.52%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	9.8	-9.97988	ug/L	7.130262	-9.97988	ug/L	7.130262	71.45%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	6.1	1.04355	ug/L	4.757351	1.04355	ug/L	4.757351	455.88%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-112.1	-12.3029	ug/L	0.88797	-12.3029	ug/L	0.88797	7.22%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	87.6	0.0025884	ug/L	0.00308739	0.0025884	ug/L	0.00308739	119.28%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	20.0	-0.0757146	ug/L	0.08669834	-0.0757146	ug/L	0.08669834	114.51%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	10.9	-0.0083969	mg/L	0.00152828	-0.0083969	mg/L	0.00152828	18.20%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	-7.9	-1.83183	ug/L	0.094668	-1.83183	ug/L	0.094668	5.17%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	27.2	0.734317	ug/L	1.0746579	0.734317	ug/L	1.0746579	146.35%
Co 228.616†	2.3	-1.42598	ug/L	1.314699	-1.42598	ug/L	1.314699	92.20%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	0.9	-1.16708	ug/L	0.428758	-1.16708	ug/L	0.428758	36.74%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	208.6	6.24935	ug/L	0.304841	6.24935	ug/L	0.304841	4.88%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	3.8	1.53101	ug/L	1.861043	1.53101	ug/L	1.861043	121.56%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	43.8	0.0168623	mg/L	0.02471789	0.0168623	mg/L	0.02471789	146.59%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	149.5	1.04254	ug/L	0.095790	1.04254	ug/L	0.095790	9.19%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	3.1	-0.0093445	mg/L	0.00195972	-0.0093445	mg/L	0.00195972	20.97%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	21.7	-1.31372	ug/L	0.032294	-1.31372	ug/L	0.032294	2.46%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	2.5	1.39065	ug/L	0.272613	1.39065	ug/L	0.272613	19.60%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-91.2	-0.0168229	mg/L	0.00403184	-0.0168229	mg/L	0.00403184	23.97%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-8.4	-1.95011	ug/L	0.327878	-1.95011	ug/L	0.327878	16.81%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	3.4	0.206510	ug/L	0.8272766	0.206510	ug/L	0.8272766	400.60%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	-2.6	-1.18679	ug/L	2.949317	-1.18679	ug/L	2.949317	248.51%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	4.6	16.3079	ug/L	12.34429	16.3079	ug/L	12.34429	75.70%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	34.6	-3.03044	ug/L	0.495616	-3.03044	ug/L	0.495616	16.35%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	0.5	0.0039567	ug/L	0.50165498	0.0039567	ug/L	0.50165498	>999.9%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	-54.6	-0.920214	ug/L	0.0253259	-0.920214	ug/L	0.0253259	2.75%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	6.9	2.43239	ug/L	0.614842	2.43239	ug/L	0.614842	25.28%
QC value within limits for Ti 334.940 Recovery = Not calculated								

Tl 190.801†	-2.9	-0.486684 ug/L	4.6719185	-0.486684 ug/L	4.6719185	959.95%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.395†	16.2	1.18232 ug/L	0.368752	1.18232 ug/L	0.368752	31.19%
QC value within limits for V 292.395 Recovery = Not calculated						
Zn 206.200†	12.4	-0.994920 ug/L	0.1747181	-0.994920 ug/L	0.1747181	17.56%
QC value within limits for Zn 206.200 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 15
Sample ID: 1001056-blk1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 2/9/2010 11:39:40 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001056-blk1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	190373.4	190373.4	102.307	%			11:40:44
1	Al 396.153†	191.5	10.3	-9.78140	ug/L	-9.78140	ug/L	11:40:44
1	Ba 455.398†	632.7	665.2	1.92781	ug/L	1.92781	ug/L	11:40:44
1	Ca 315.887†	333.9	209.8	0.123465	mg/L	0.123465	mg/L	11:41:04
1	Fe 238.204†	47.0	11.9	4.98111	ug/L	4.98111	ug/L	11:41:04
1	K 766.490	52.7	1.9	-0.0394204	mg/L	-0.0394204	mg/L	11:40:44
1	Li 670.784†	-11.1	51.2	-1.77830	ug/L	-1.77830	ug/L	11:40:44
1	Mg 279.071†	35.5	17.2	0.0208156	mg/L	0.0208156	mg/L	11:41:04
1	Na 589.592†	13717.8	12743.7	1.90689	mg/L	1.90689	mg/L	11:40:44
1	Sr 407.771†	274.8	114.7	-0.707780	ug/L	-0.707780	ug/L	11:40:44
1	Ti 334.940†	-24.5	10.5	2.66780	ug/L	2.66780	ug/L	11:41:04
1	Y 360.076	236291.9	236291.9	100.500	%			11:41:36
1	Ag 328.068†	65.7	-25.7	-0.146307	ug/L	-0.146307	ug/L	11:41:36
1	As 188.979†	-20.1	5.4	-0.0207923	ug/L	-0.0207923	ug/L	11:41:56
1	B 249.677†	1780.0	1104.1	54.1688	ug/L	54.1688	ug/L	11:41:36
1	Be 234.861†	-763.1	22.1	-0.0664337	ug/L	-0.0664337	ug/L	11:41:56
1	Cd 214.437†	404.2	-9.5	-1.89859	ug/L	-1.89859	ug/L	11:41:56
1	Ce 413.764†	804.2	-13.6	-0.367594	ug/L	-0.367594	ug/L	11:41:36
1	Co 228.616†	-79.3	3.7	-1.21210	ug/L	-1.21210	ug/L	11:41:56
1	Cr 205.557†	-31.0	-2.1	-1.42856	ug/L	-1.42856	ug/L	11:41:56
1	Cu 327.397†	176.1	171.3	5.11358	ug/L	5.11358	ug/L	11:41:36
1	Mn 257.610†	253.5	45.9	-1.14786	ug/L	-1.14786	ug/L	11:41:56
1	Mo 202.031†	89.8	-0.6	0.990435	ug/L	0.990435	ug/L	11:41:56
1	Ni 231.604†	358.1	2.6	-1.03565	ug/L	-1.03565	ug/L	11:41:56
1	Pb 220.353†	33.4	-0.0	-1.92106	ug/L	-1.92106	ug/L	11:41:56
1	Sb 217.584†	-48.5	-0.9	0.129467	ug/L	0.129467	ug/L	11:41:56
1	Se 196.026†	-44.1	-8.5	-18.7629	ug/L	-18.7629	ug/L	11:41:56
1	Si 251.611†	2570.6	2420.5	219.611	ug/L	219.611	ug/L	11:41:36
1	Sn 189.927†	-0.7	-7.4	-3.65710	ug/L	-3.65710	ug/L	11:41:56
1	Tl 190.801†	-43.5	-4.6	-2.64456	ug/L	-2.64456	ug/L	11:41:56
1	V 292.395†	-1349.3	-27.4	0.218443	ug/L	0.218443	ug/L	11:41:36
1	Zn 206.200†	18.6	85.3	6.68489	ug/L	6.68489	ug/L	11:41:56
2	Sc 357.234	189956.8	189956.8	102.084	%			11:41:09
2	Al 396.153†	182.3	1.6	-12.5122	ug/L	-12.5122	ug/L	11:41:09
2	Ba 455.398†	640.1	673.8	1.95637	ug/L	1.95637	ug/L	11:41:09
2	Ca 315.887†	338.4	214.9	0.126858	mg/L	0.126858	mg/L	11:41:29
2	Fe 238.204†	52.2	17.1	7.17214	ug/L	7.17214	ug/L	11:41:29
2	K 766.490	91.2	40.5	0.0123658	mg/L	0.0123658	mg/L	11:41:09
2	Li 670.784†	-51.0	12.1	-2.90013	ug/L	-2.90013	ug/L	11:41:09
2	Mg 279.071†	31.1	13.0	0.0118702	mg/L	0.0118702	mg/L	11:41:29
2	Na 589.592†	13712.0	12767.5	1.91046	mg/L	1.91046	mg/L	11:41:09
2	Sr 407.771†	291.8	131.9	-0.686154	ug/L	-0.686154	ug/L	11:41:09
2	Ti 334.940†	-13.7	21.0	3.35974	ug/L	3.35974	ug/L	11:41:29
2	Y 360.076	236948.3	236948.3	100.779	%			11:42:01
2	Ag 328.068†	75.9	-15.7	0.0120936	ug/L	0.0120936	ug/L	11:42:01
2	As 188.979†	-24.8	0.8	-7.54353	ug/L	-7.54353	ug/L	11:42:21
2	B 249.677†	1768.0	1087.3	53.2509	ug/L	53.2509	ug/L	11:42:01
2	Be 234.861†	-782.2	5.3	-0.151207	ug/L	-0.151207	ug/L	11:42:21
2	Cd 214.437†	401.8	-13.1	-2.03532	ug/L	-2.03532	ug/L	11:42:21
2	Ce 413.764†	797.0	-22.9	-0.620056	ug/L	-0.620056	ug/L	11:42:01
2	Co 228.616†	-84.4	-1.2	-1.97168	ug/L	-1.97168	ug/L	11:42:21
2	Cr 205.557†	-31.4	-2.4	-1.45360	ug/L	-1.45360	ug/L	11:42:21

2	Cu 327.397†	131.2	126.3	3.74343 ug/L	3.74343 ug/L		11:42:01
2	Mn 257.610†	240.8	32.5	-1.23919 ug/L	-1.23919 ug/L		11:42:21
2	Mo 202.031†	89.4	-1.3	0.909991 ug/L	0.909991 ug/L		11:42:21
2	Ni 231.604†	368.0	11.4	-0.301427 ug/L	-0.301427 ug/L		11:42:21
2	Pb 220.353†	43.1	9.5	3.99660 ug/L	3.99660 ug/L		11:42:21
2	Sb 217.584†	-52.8	-5.0	-3.05702 ug/L	-3.05702 ug/L		11:42:21
2	Se 196.026†	-36.2	-0.5	2.63459 ug/L	2.63459 ug/L		11:42:21
2	Si 251.611†	2578.5	2421.3	219.667 ug/L	219.667 ug/L		11:42:01
2	Sn 189.927†	4.7	-2.0	-1.14907 ug/L	-1.14907 ug/L		11:42:21
2	Tl 190.801†	-41.3	-2.3	0.240287 ug/L	0.240287 ug/L		11:42:21
2	V 292.395†	-1255.6	69.4	2.34935 ug/L	2.34935 ug/L		11:42:01
2	Zn 206.200†	24.0	90.6	7.24739 ug/L	7.24739 ug/L		11:42:21

Mean Data: 1001056-blk1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	190165.1	102.195	%	0.1583				0.15%
Y 360.076	236620.1	100.640	%	0.1974				0.20%
Ag 328.068†	-20.7	-0.0671067	ug/L	0.11200618	-0.0671067	ug/L	0.11200618	166.91%
Al 396.153†	6.0	-11.1468	ug/L	1.93098	-11.1468	ug/L	1.93098	17.32%
As 188.979†	3.1	-3.78216	ug/L	5.319377	-3.78216	ug/L	5.319377	140.64%
B 249.677†	1095.7	53.7099	ug/L	0.64904	53.7099	ug/L	0.64904	1.21%
Ba 455.398†	669.5	1.94209	ug/L	0.020197	1.94209	ug/L	0.020197	1.04%
Be 234.861†	13.7	-0.108820	ug/L	0.0599436	-0.108820	ug/L	0.0599436	55.08%
Ca 315.887†	212.3	0.125162	mg/L	0.0023992	0.125162	mg/L	0.0023992	1.92%
Cd 214.437†	-11.3	-1.96696	ug/L	0.096680	-1.96696	ug/L	0.096680	4.92%
Ce 413.764†	-18.2	-0.493825	ug/L	0.1785175	-0.493825	ug/L	0.1785175	36.15%
Co 228.616†	1.2	-1.59189	ug/L	0.537103	-1.59189	ug/L	0.537103	33.74%
Cr 205.557†	-2.2	-1.44108	ug/L	0.017704	-1.44108	ug/L	0.017704	1.23%
Cu 327.397†	148.8	4.42850	ug/L	0.968841	4.42850	ug/L	0.968841	21.88%
Fe 238.204†	14.5	6.07662	ug/L	1.549297	6.07662	ug/L	1.549297	25.50%
K 766.490	21.2	-0.0135273	mg/L	0.03661832	-0.0135273	mg/L	0.03661832	270.70%
Li 670.784†	31.7	-2.33921	ug/L	0.793251	-2.33921	ug/L	0.793251	33.91%
Mg 279.071†	15.1	0.0163429	mg/L	0.00632535	0.0163429	mg/L	0.00632535	38.70%
Mn 257.610†	39.2	-1.19353	ug/L	0.064580	-1.19353	ug/L	0.064580	5.41%
Mo 202.031†	-0.9	0.950213	ug/L	0.0568825	0.950213	ug/L	0.0568825	5.99%
Na 589.592†	12755.6	1.90868	mg/L	0.002518	1.90868	mg/L	0.002518	0.13%
Ni 231.604†	7.0	-0.668539	ug/L	0.5191738	-0.668539	ug/L	0.5191738	77.66%
Pb 220.353†	4.7	1.03777	ug/L	4.184420	1.03777	ug/L	4.184420	403.21%
Sb 217.584†	-2.9	-1.46378	ug/L	2.253185	-1.46378	ug/L	2.253185	153.93%
Se 196.026†	-4.5	-8.06418	ug/L	15.130337	-8.06418	ug/L	15.130337	187.62%
Si 251.611†	2420.9	219.639	ug/L	0.0396	219.639	ug/L	0.0396	0.02%
Sn 189.927†	-4.7	-2.40308	ug/L	1.773445	-2.40308	ug/L	1.773445	73.80%
Sr 407.771†	123.3	-0.696967	ug/L	0.0152921	-0.696967	ug/L	0.0152921	2.19%
Ti 334.940†	15.8	3.01377	ug/L	0.489275	3.01377	ug/L	0.489275	16.23%
Tl 190.801†	-3.4	-1.20214	ug/L	2.039896	-1.20214	ug/L	2.039896	169.69%
V 292.395†	21.0	1.28389	ug/L	1.506776	1.28389	ug/L	1.506776	117.36%
Zn 206.200†	87.9	6.96614	ug/L	0.397743	6.96614	ug/L	0.397743	5.71%

Sequence No.: 16
Sample ID: 1001056-bs1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 2/9/2010 11:43:33 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001056-bs1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	190563.6	190563.6	102.410	%			11:44:38
1	Al 396.153†	4083.6	3810.6	1188.73	ug/L	1188.73	ug/L	11:44:58
1	Ba 455.398†	73983.8	72289.7	240.665	ug/L	240.665	ug/L	11:44:38
1	Ca 315.887†	18350.7	17802.3	11.7898	mg/L	11.7898	mg/L	11:44:38
1	Fe 238.204†	619.1	570.5	240.887	ug/L	240.887	ug/L	11:44:58
1	K 766.490	8864.3	8813.5	11.8010	mg/L	11.8010	mg/L	11:44:38
1	Li 670.784†	8619.9	8479.1	240.137	ug/L	240.137	ug/L	11:44:38
1	Mg 279.071†	5847.5	5692.4	12.1247	mg/L	12.1247	mg/L	11:44:58
1	Na 589.592†	95575.5	92662.0	13.8852	mg/L	13.8852	mg/L	11:44:38
1	Sr 407.771†	196289.8	191517.2	239.449	ug/L	239.449	ug/L	11:44:38

1	Ti 334.940†	3727.4	3674.1	242.800 ug/L	242.800 ug/L	11:44:58
1	Y 360.076	233918.4	233918.4	99.4905 %		11:45:30
1	Ag 328.068†	14995.7	14981.5	239.156 ug/L	239.156 ug/L	11:45:30
1	As 188.979†	703.7	732.7	1182.91 ug/L	1182.91 ug/L	11:45:50
1	B 249.677†	5985.5	5349.1	285.525 ug/L	285.525 ug/L	11:45:30
1	Be 234.861†	4005.9	4807.8	23.7088 ug/L	23.7088 ug/L	11:45:50
1	Cd 214.437†	6515.8	6137.4	236.750 ug/L	236.750 ug/L	11:45:50
1	Ce 413.764†	832.7	23.3	0.583900 ug/L	0.583900 ug/L	11:45:30
1	Co 228.616†	1473.8	1563.9	240.791 ug/L	240.791 ug/L	11:45:50
1	Cr 205.557†	2712.4	2755.1	240.158 ug/L	240.158 ug/L	11:45:50
1	Cu 327.397†	7986.2	8023.2	244.385 ug/L	244.385 ug/L	11:45:30
1	Mn 257.610†	35206.7	35180.6	238.825 ug/L	238.825 ug/L	11:45:30
1	Mo 202.031†	2034.4	1954.8	249.718 ug/L	249.718 ug/L	11:45:50
1	Ni 231.604†	3251.7	2914.7	241.770 ug/L	241.770 ug/L	11:45:50
1	Pb 220.353†	413.4	382.3	234.789 ug/L	234.789 ug/L	11:45:50
1	Sb 217.584†	1520.2	1575.4	1218.20 ug/L	1218.20 ug/L	11:45:50
1	Se 196.026†	394.3	431.7	1162.87 ug/L	1162.87 ug/L	11:45:50
1	Si 251.611†	15123.5	15063.7	1393.21 ug/L	1393.21 ug/L	11:45:30
1	Sn 189.927†	2524.6	2530.9	1189.74 ug/L	1189.74 ug/L	11:45:50
1	Tl 190.801†	942.7	986.2	1210.78 ug/L	1210.78 ug/L	11:45:50
1	V 292.395†	9461.9	10825.6	241.745 ug/L	241.745 ug/L	11:45:30
1	Zn 206.200†	2243.7	2322.0	242.071 ug/L	242.071 ug/L	11:45:50
2	Sc 357.234	189770.8	189770.8	101.984 %		11:45:03
2	Al 396.153†	4088.8	3832.4	1195.62 ug/L	1195.62 ug/L	11:45:23
2	Ba 455.398†	73870.4	72480.3	241.301 ug/L	241.301 ug/L	11:45:03
2	Ca 315.887†	18352.3	17878.7	11.8405 mg/L	11.8405 mg/L	11:45:03
2	Fe 238.204†	612.8	566.8	239.309 ug/L	239.309 ug/L	11:45:23
2	K 766.490	8865.2	8814.4	11.8022 mg/L	11.8022 mg/L	11:45:03
2	Li 670.784†	8651.3	8545.1	242.032 ug/L	242.032 ug/L	11:45:03
2	Mg 279.071†	5851.9	5720.5	12.1847 mg/L	12.1847 mg/L	11:45:23
2	Na 589.592†	95430.2	92909.4	13.9222 mg/L	13.9222 mg/L	11:45:03
2	Sr 407.771†	195724.7	191763.9	239.759 ug/L	239.759 ug/L	11:45:03
2	Ti 334.940†	3720.9	3683.0	243.378 ug/L	243.378 ug/L	11:45:23
2	Y 360.076	235786.9	235786.9	100.285 %		11:45:55
2	Ag 328.068†	15041.2	14907.4	237.975 ug/L	237.975 ug/L	11:45:55
2	As 188.979†	715.8	739.1	1193.44 ug/L	1193.44 ug/L	11:46:15
2	B 249.677†	6009.4	5325.3	284.229 ug/L	284.229 ug/L	11:45:55
2	Be 234.861†	4025.2	4795.1	23.6459 ug/L	23.6459 ug/L	11:46:15
2	Cd 214.437†	6571.8	6141.4	236.907 ug/L	236.907 ug/L	11:46:15
2	Ce 413.764†	817.9	1.9	0.0050118 ug/L	0.0050118 ug/L	11:45:55
2	Co 228.616†	1474.0	1552.3	238.992 ug/L	238.992 ug/L	11:46:15
2	Cr 205.557†	2721.9	2743.0	239.098 ug/L	239.098 ug/L	11:46:15
2	Cu 327.397†	7998.1	7971.4	242.809 ug/L	242.809 ug/L	11:45:55
2	Mn 257.610†	35438.9	35131.8	238.492 ug/L	238.492 ug/L	11:45:55
2	Mo 202.031†	2049.2	1953.4	249.534 ug/L	249.534 ug/L	11:46:15
2	Ni 231.604†	3250.3	2887.4	239.497 ug/L	239.497 ug/L	11:46:15
2	Pb 220.353†	421.7	387.3	237.899 ug/L	237.899 ug/L	11:46:15
2	Sb 217.584†	1520.1	1563.1	1208.75 ug/L	1208.75 ug/L	11:46:15
2	Se 196.026†	389.1	423.3	1140.52 ug/L	1140.52 ug/L	11:46:15
2	Si 251.611†	15143.5	14963.1	1383.80 ug/L	1383.80 ug/L	11:45:55
2	Sn 189.927†	2528.9	2515.1	1182.34 ug/L	1182.34 ug/L	11:46:15
2	Tl 190.801†	951.4	987.4	1212.28 ug/L	1212.28 ug/L	11:46:15
2	V 292.395†	9572.1	10860.1	242.504 ug/L	242.504 ug/L	11:45:55
2	Zn 206.200†	2261.2	2321.5	242.020 ug/L	242.020 ug/L	11:46:15

Mean Data: 1001056-bs1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	190167.2	102.197	%	0.3013				0.29%
Y 360.076	234852.7	99.8879	%	0.56195				0.56%
Ag 328.068†	14944.4	238.566	ug/L	0.8357	238.566	ug/L	0.8357	0.35%
Al 396.153†	3821.5	1192.17	ug/L	4.870	1192.17	ug/L	4.870	0.41%
As 188.979†	735.9	1188.18	ug/L	7.448	1188.18	ug/L	7.448	0.63%
B 249.677†	5337.2	284.877	ug/L	0.9164	284.877	ug/L	0.9164	0.32%
Ba 455.398†	72385.0	240.983	ug/L	0.4493	240.983	ug/L	0.4493	0.19%
Be 234.861†	4801.4	23.6773	ug/L	0.04444	23.6773	ug/L	0.04444	0.19%
Ca 315.887†	17840.5	11.8151	mg/L	0.03582	11.8151	mg/L	0.03582	0.30%
Cd 214.437†	6139.4	236.829	ug/L	0.1111	236.829	ug/L	0.1111	0.05%
Ce 413.764†	12.6	0.294456	ug/L	0.4093358	0.294456	ug/L	0.4093358	139.01%
Co 228.616†	1558.1	239.891	ug/L	1.2722	239.891	ug/L	1.2722	0.53%

Cr 205.557†	2749.0	239.628 ug/L	0.7498	239.628 ug/L	0.7498	0.31%
Cu 327.397†	7997.3	243.597 ug/L	1.1143	243.597 ug/L	1.1143	0.46%
Fe 238.204†	568.7	240.098 ug/L	1.1160	240.098 ug/L	1.1160	0.46%
K 766.490	8813.9	11.8016 mg/L	0.00086	11.8016 mg/L	0.00086	0.01%
Li 670.784†	8512.1	241.085 ug/L	1.3395	241.085 ug/L	1.3395	0.56%
Mg 279.071†	5706.5	12.1547 mg/L	0.04239	12.1547 mg/L	0.04239	0.35%
Mn 257.610†	35156.2	238.659 ug/L	0.2358	238.659 ug/L	0.2358	0.10%
Mo 202.031†	1954.1	249.626 ug/L	0.1298	249.626 ug/L	0.1298	0.05%
Na 589.592†	92785.7	13.9037 mg/L	0.02621	13.9037 mg/L	0.02621	0.19%
Ni 231.604†	2901.0	240.634 ug/L	1.6075	240.634 ug/L	1.6075	0.67%
Pb 220.353†	384.8	236.344 ug/L	2.1988	236.344 ug/L	2.1988	0.93%
Sb 217.584†	1569.2	1213.48 ug/L	6.685	1213.48 ug/L	6.685	0.55%
Se 196.026†	427.5	1151.70 ug/L	15.805	1151.70 ug/L	15.805	1.37%
Si 251.611†	15013.4	1388.51 ug/L	6.649	1388.51 ug/L	6.649	0.48%
Sn 189.927†	2523.0	1186.04 ug/L	5.237	1186.04 ug/L	5.237	0.44%
Sr 407.771†	191640.6	239.604 ug/L	0.2188	239.604 ug/L	0.2188	0.09%
Ti 334.940†	3678.6	243.089 ug/L	0.4093	243.089 ug/L	0.4093	0.17%
Tl 190.801†	986.8	1211.53 ug/L	1.058	1211.53 ug/L	1.058	0.09%
V 292.395†	10842.8	242.124 ug/L	0.5372	242.124 ug/L	0.5372	0.22%
Zn 206.200†	2321.8	242.046 ug/L	0.0360	242.046 ug/L	0.0360	0.01%

Sequence No.: 17
Sample ID: 1002038-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 2/9/2010 11:47:31 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002038-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	194441.7	194441.7	104.494	%			11:48:36
1	Al 396.153†	6475.4	6020.0	1890.51	ug/L	1890.51	ug/L	11:48:56
1	Ba 455.398†	8367.6	8054.5	26.5577	ug/L	26.5577	ug/L	11:48:36
1	Ca 315.887†	14001.8	13283.0	8.79286	mg/L	8.79286	mg/L	11:48:56
1	Fe 238.204†	7220.0	6875.5	2913.77	ug/L	2913.77	ug/L	11:48:56
1	K 766.490	1077.0	1026.3	1.33702	mg/L	1.33702	mg/L	11:48:56
1	Li 670.784†	67.1	126.3	0.376131	ug/L	0.376131	ug/L	11:48:56
1	Mg 279.071†	655.0	609.3	1.28374	mg/L	1.28374	mg/L	11:48:56
1	Na 589.592†	12613.9	11406.8	1.70652	mg/L	1.70652	mg/L	11:48:36
1	Sr 407.771†	8090.4	7588.5	8.66984	ug/L	8.66984	ug/L	11:48:36
1	Ti 334.940†	540.4	551.6	38.1376	ug/L	38.1376	ug/L	11:48:56
1	Y 360.076	242046.2	242046.2	102.947	%			11:49:27
1	Ag 328.068†	45.4	-46.9	0.0046795	ug/L	0.0046795	ug/L	11:49:27
1	As 188.979†	-28.1	-1.9	-12.2112	ug/L	-12.2112	ug/L	11:49:47
1	B 249.677†	1186.8	485.8	20.6786	ug/L	20.6786	ug/L	11:49:47
1	Be 234.861†	-564.0	233.6	-0.0031298	ug/L	-0.0031298	ug/L	11:49:27
1	Cd 214.437†	424.4	0.6	-2.16406	ug/L	-2.16406	ug/L	11:49:47
1	Ce 413.764†	900.2	60.7	1.62954	ug/L	1.62954	ug/L	11:49:27
1	Co 228.616†	-78.9	5.9	-1.04220	ug/L	-1.04220	ug/L	11:49:47
1	Cr 205.557†	-3.9	25.0	1.13044	ug/L	1.13044	ug/L	11:49:47
1	Cu 327.397†	196.3	186.7	5.60665	ug/L	5.60665	ug/L	11:49:27
1	Mn 257.610†	6668.4	6271.2	41.4789	ug/L	41.4789	ug/L	11:49:47
1	Mo 202.031†	117.5	24.1	4.14006	ug/L	4.14006	ug/L	11:49:47
1	Ni 231.604†	357.4	-6.5	-1.79395	ug/L	-1.79395	ug/L	11:49:47
1	Pb 220.353†	36.7	2.4	-0.392067	ug/L	-0.392067	ug/L	11:49:47
1	Sb 217.584†	-62.7	-13.5	-0.912743	ug/L	-0.912743	ug/L	11:49:47
1	Se 196.026†	-51.6	-14.8	-32.1929	ug/L	-32.1929	ug/L	11:49:47
1	Si 251.611†	27324.2	26404.7	2457.55	ug/L	2457.55	ug/L	11:49:27
1	Sn 189.927†	-9.3	-15.7	-5.65226	ug/L	-5.65226	ug/L	11:49:47
1	Tl 190.801†	-42.8	-2.9	-0.163691	ug/L	-0.163691	ug/L	11:49:47
1	V 292.395†	-1108.3	238.6	5.55793	ug/L	5.55793	ug/L	11:49:47
1	Zn 206.200†	412.5	467.5	46.7171	ug/L	46.7171	ug/L	11:49:47
2	Sc 357.234	192265.8	192265.8	103.324	%			11:49:01
2	Al 396.153†	6485.6	6100.0	1915.83	ug/L	1915.83	ug/L	11:49:21
2	Ba 455.398†	8230.4	8012.3	26.4172	ug/L	26.4172	ug/L	11:49:01
2	Ca 315.887†	14054.0	13485.2	8.92696	mg/L	8.92696	mg/L	11:49:21
2	Fe 238.204†	7247.7	6980.5	2958.26	ug/L	2958.26	ug/L	11:49:21
2	K 766.490	1096.9	1046.1	1.36370	mg/L	1.36370	mg/L	11:49:21
2	Li 670.784†	59.9	120.1	0.198566	ug/L	0.198566	ug/L	11:49:21

2	Mg 279.071†	661.1	622.3	1.31146 mg/L	1.31146 mg/L	11:49:21
2	Na 589.592†	12483.4	11417.1	1.70805 mg/L	1.70805 mg/L	11:49:01
2	Sr 407.771†	7950.1	7540.4	8.60948 ug/L	8.60948 ug/L	11:49:01
2	Ti 334.940†	544.6	561.6	38.7878 ug/L	38.7878 ug/L	11:49:21
2	Y 360.076	242249.4	242249.4	103.034 %		11:49:52
2	Ag 328.068†	60.9	-31.9	0.259686 ug/L	0.259686 ug/L	11:49:52
2	As 188.979†	-21.5	4.5	-1.80577 ug/L	-1.80577 ug/L	11:50:12
2	B 249.677†	1179.4	477.7	20.2383 ug/L	20.2383 ug/L	11:50:12
2	Be 234.861†	-531.9	265.1	0.138941 ug/L	0.138941 ug/L	11:49:52
2	Cd 214.437†	428.0	3.7	-2.05504 ug/L	-2.05504 ug/L	11:50:12
2	Ce 413.764†	967.8	125.6	3.38449 ug/L	3.38449 ug/L	11:49:52
2	Co 228.616†	-75.0	9.8	-0.447128 ug/L	-0.447128 ug/L	11:50:12
2	Cr 205.557†	-10.9	18.2	0.534599 ug/L	0.534599 ug/L	11:50:12
2	Cu 327.397†	179.7	170.5	5.11157 ug/L	5.11157 ug/L	11:49:52
2	Mn 257.610†	6666.5	6263.9	41.4308 ug/L	41.4308 ug/L	11:50:12
2	Mo 202.031†	114.5	21.1	3.75892 ug/L	3.75892 ug/L	11:50:12
2	Ni 231.604†	372.1	7.5	-0.628514 ug/L	-0.628514 ug/L	11:50:12
2	Pb 220.353†	39.3	4.9	1.15707 ug/L	1.15707 ug/L	11:50:12
2	Sb 217.584†	-69.0	-19.6	-5.49913 ug/L	-5.49913 ug/L	11:50:12
2	Se 196.026†	-38.6	-2.1	1.79631 ug/L	1.79631 ug/L	11:50:12
2	Si 251.611†	27490.4	26543.7	2470.52 ug/L	2470.52 ug/L	11:49:52
2	Sn 189.927†	-19.5	-25.6	-10.2750 ug/L	-10.2750 ug/L	11:50:12
2	Tl 190.801†	-43.4	-3.4	-0.836370 ug/L	-0.836370 ug/L	11:50:12
2	V 292.395†	-1101.1	246.6	5.71966 ug/L	5.71966 ug/L	11:50:12
2	Zn 206.200†	417.3	471.8	47.1673 ug/L	47.1673 ug/L	11:50:12

Mean Data: 1002038-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	193353.7	103.909	%	0.8269				0.80%
Y 360.076	242147.8	102.991	%	0.0611				0.06%
Ag 328.068†	-39.4	0.132183	ug/L	0.1803167	0.132183	ug/L	0.1803167	136.41%
Al 396.153†	6060.0	1903.17	ug/L	17.901	1903.17	ug/L	17.901	0.94%
As 188.979†	1.3	-7.00850	ug/L	7.357772	-7.00850	ug/L	7.357772	104.98%
B 249.677†	481.7	20.4584	ug/L	0.31136	20.4584	ug/L	0.31136	1.52%
Ba 455.398†	8033.4	26.4874	ug/L	0.09930	26.4874	ug/L	0.09930	0.37%
Be 234.861†	249.3	0.0679059	ug/L	0.10045953	0.0679059	ug/L	0.10045953	147.94%
Ca 315.887†	13384.1	8.85991	mg/L	0.094820	8.85991	mg/L	0.094820	1.07%
Cd 214.437†	2.1	-2.10955	ug/L	0.077090	-2.10955	ug/L	0.077090	3.65%
Ce 413.764†	93.1	2.50701	ug/L	1.240939	2.50701	ug/L	1.240939	49.50%
Co 228.616†	7.8	-0.744666	ug/L	0.4207829	-0.744666	ug/L	0.4207829	56.51%
Cr 205.557†	21.6	0.832521	ug/L	0.4213246	0.832521	ug/L	0.4213246	50.61%
Cu 327.397†	178.6	5.35911	ug/L	0.350070	5.35911	ug/L	0.350070	6.53%
Fe 238.204†	6928.0	2936.01	ug/L	31.459	2936.01	ug/L	31.459	1.07%
K 766.490	1036.2	1.35036	mg/L	0.018870	1.35036	mg/L	0.018870	1.40%
Li 670.784†	123.2	0.287348	ug/L	0.1255571	0.287348	ug/L	0.1255571	43.70%
Mg 279.071†	615.8	1.29760	mg/L	0.019600	1.29760	mg/L	0.019600	1.51%
Mn 257.610†	6267.5	41.4549	ug/L	0.03402	41.4549	ug/L	0.03402	0.08%
Mo 202.031†	22.6	3.94949	ug/L	0.269503	3.94949	ug/L	0.269503	6.82%
Na 589.592†	11412.0	1.70729	mg/L	0.001083	1.70729	mg/L	0.001083	0.06%
Ni 231.604†	0.5	-1.21123	ug/L	0.824087	-1.21123	ug/L	0.824087	68.04%
Pb 220.353†	3.7	0.382500	ug/L	1.0954035	0.382500	ug/L	1.0954035	286.38%
Sb 217.584†	-16.6	-3.20594	ug/L	3.243065	-3.20594	ug/L	3.243065	101.16%
Se 196.026†	-8.5	-15.1983	ug/L	24.03401	-15.1983	ug/L	24.03401	158.14%
Si 251.611†	26474.2	2464.04	ug/L	9.170	2464.04	ug/L	9.170	0.37%
Sn 189.927†	-20.6	-7.96362	ug/L	3.268768	-7.96362	ug/L	3.268768	41.05%
Sr 407.771†	7564.5	8.63966	ug/L	0.042679	8.63966	ug/L	0.042679	0.49%
Ti 334.940†	556.6	38.4627	ug/L	0.45977	38.4627	ug/L	0.45977	1.20%
Tl 190.801†	-3.2	-0.500031	ug/L	0.4756558	-0.500031	ug/L	0.4756558	95.13%
V 292.395†	242.6	5.63880	ug/L	0.114364	5.63880	ug/L	0.114364	2.03%
Zn 206.200†	469.7	46.9422	ug/L	0.31831	46.9422	ug/L	0.31831	0.68%

==========

Sequence No.: 18
Sample ID: 1002038-02
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 20
Date Collected: 2/9/2010 11:51:25 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002038-02

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	187435.8	187435.8	100.729	%			11:52:30
1	Al 396.153†	628.5	447.0	137.642	ug/L	137.642	ug/L	11:52:30
1	Ba 455.398†	27931.4	27776.0	92.2932	ug/L	92.2932	ug/L	11:52:30
1	Ca 315.887†	65763.6	65171.2	43.2021	mg/L	43.2021	mg/L	11:52:30
1	Fe 238.204†	43.4	9.1	3.68734	ug/L	3.68734	ug/L	11:52:50
1	K 766.490	352.0	301.3	0.362802	mg/L	0.362802	mg/L	11:52:30
1	Li 670.784†	2.2	64.2	-1.40378	ug/L	-1.40378	ug/L	11:52:30
1	Mg 279.071†	906.1	882.1	1.86537	mg/L	1.86537	mg/L	11:52:50
1	Na 589.592†	13578.8	12815.9	1.91771	mg/L	1.91771	mg/L	11:52:30
1	Sr 407.771†	80479.1	79742.9	99.2035	ug/L	99.2035	ug/L	11:52:30
1	Ti 334.940†	-28.4	6.2	2.39032	ug/L	2.39032	ug/L	11:52:50
1	Y 360.076	231092.6	231092.6	98.2887	%			11:53:21
1	Ag 328.068†	67.3	-22.6	0.396762	ug/L	0.396762	ug/L	11:53:21
1	As 188.979†	-30.3	-5.4	-17.7027	ug/L	-17.7027	ug/L	11:53:41
1	B 249.677†	1663.8	1025.7	49.8879	ug/L	49.8879	ug/L	11:53:41
1	Be 234.861†	-752.9	15.4	-0.100585	ug/L	-0.100585	ug/L	11:53:41
1	Cd 214.437†	426.2	22.0	-0.685797	ug/L	-0.685797	ug/L	11:53:41
1	Ce 413.764†	799.0	-0.8	-0.0221477	ug/L	-0.0221477	ug/L	11:53:21
1	Co 228.616†	-87.7	-6.7	-2.81752	ug/L	-2.81752	ug/L	11:53:41
1	Cr 205.557†	-23.7	4.6	-0.840025	ug/L	-0.840025	ug/L	11:53:41
1	Cu 327.397†	184.6	183.8	5.49618	ug/L	5.49618	ug/L	11:53:21
1	Mn 257.610†	843.7	652.0	2.99174	ug/L	2.99174	ug/L	11:53:41
1	Mo 202.031†	230.3	144.3	19.4226	ug/L	19.4226	ug/L	11:53:41
1	Ni 231.604†	375.2	28.0	1.11544	ug/L	1.11544	ug/L	11:53:41
1	Pb 220.353†	31.3	-1.3	-2.73883	ug/L	-2.73883	ug/L	11:53:41
1	Sb 217.584†	-52.7	-6.2	-4.03020	ug/L	-4.03020	ug/L	11:53:41
1	Se 196.026†	-41.9	-7.3	-15.4097	ug/L	-15.4097	ug/L	11:53:41
1	Si 251.611†	15022.5	15146.8	1407.19	ug/L	1407.19	ug/L	11:53:21
1	Sn 189.927†	-50.2	-57.8	-17.8870	ug/L	-17.8870	ug/L	11:53:41
1	Tl 190.801†	-49.1	-11.3	-10.7500	ug/L	-10.7500	ug/L	11:53:41
1	V 292.395†	-1260.5	32.8	1.74015	ug/L	1.74015	ug/L	11:53:41
1	Zn 206.200†	-14.3	52.3	3.16889	ug/L	3.16889	ug/L	11:53:41
2	Sc 357.234	186969.8	186969.8	100.478	%			11:52:55
2	Al 396.153†	628.9	449.1	138.256	ug/L	138.256	ug/L	11:52:55
2	Ba 455.398†	27942.2	27855.9	92.5593	ug/L	92.5593	ug/L	11:52:55
2	Ca 315.887†	65610.3	65181.3	43.2088	mg/L	43.2088	mg/L	11:52:55
2	Fe 238.204†	50.9	16.6	6.86626	ug/L	6.86626	ug/L	11:53:15
2	K 766.490	395.1	344.3	0.420690	mg/L	0.420690	mg/L	11:52:55
2	Li 670.784†	-3.6	58.5	-1.56896	ug/L	-1.56896	ug/L	11:52:55
2	Mg 279.071†	920.8	898.9	1.90132	mg/L	1.90132	mg/L	11:53:15
2	Na 589.592†	13664.4	12934.7	1.93552	mg/L	1.93552	mg/L	11:52:55
2	Sr 407.771†	80365.4	79828.8	99.3114	ug/L	99.3114	ug/L	11:52:55
2	Ti 334.940†	-33.3	1.3	2.06660	ug/L	2.06660	ug/L	11:53:15
2	Y 360.076	234227.6	234227.6	99.6220	%			11:53:47
2	Ag 328.068†	27.3	-63.6	-0.256976	ug/L	-0.256976	ug/L	11:53:47
2	As 188.979†	-23.0	2.3	-5.12599	ug/L	-5.12599	ug/L	11:54:07
2	B 249.677†	1672.5	1011.7	49.1232	ug/L	49.1232	ug/L	11:54:07
2	Be 234.861†	-782.6	-4.2	-0.199388	ug/L	-0.199388	ug/L	11:54:07
2	Cd 214.437†	416.9	6.8	-1.27492	ug/L	-1.27492	ug/L	11:54:07
2	Ce 413.764†	805.0	-5.7	-0.153831	ug/L	-0.153831	ug/L	11:53:47
2	Co 228.616†	-83.8	-1.6	-2.02538	ug/L	-2.02538	ug/L	11:54:07
2	Cr 205.557†	-37.1	-8.5	-1.98773	ug/L	-1.98773	ug/L	11:54:07
2	Cu 327.397†	173.9	170.6	5.09388	ug/L	5.09388	ug/L	11:53:47
2	Mn 257.610†	838.2	635.0	2.87572	ug/L	2.87572	ug/L	11:54:07
2	Mo 202.031†	246.0	156.9	21.0292	ug/L	21.0292	ug/L	11:54:07
2	Ni 231.604†	352.8	0.5	-1.17825	ug/L	-1.17825	ug/L	11:54:07
2	Pb 220.353†	27.1	-6.0	-5.61646	ug/L	-5.61646	ug/L	11:54:07
2	Sb 217.584†	-53.9	-6.8	-4.43410	ug/L	-4.43410	ug/L	11:54:07
2	Se 196.026†	-33.4	1.8	8.82598	ug/L	8.82598	ug/L	11:54:07
2	Si 251.611†	14991.0	14910.6	1385.16	ug/L	1385.16	ug/L	11:53:47
2	Sn 189.927†	-64.1	-71.0	-24.0838	ug/L	-24.0838	ug/L	11:54:07
2	Tl 190.801†	-46.8	-8.3	-7.18611	ug/L	-7.18611	ug/L	11:54:07
2	V 292.395†	-1261.9	48.6	2.10523	ug/L	2.10523	ug/L	11:54:07
2	Zn 206.200†	-13.0	53.8	3.32640	ug/L	3.32640	ug/L	11:54:07

Mean Data: 1002038-02

	Mean Corrected	Calib.	Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Sc 357.234	187202.8	100.604	%	0.1771				0.18%
Y 360.076	232660.1	98.9554	%	0.94283				0.95%
Ag 328.068†	-43.1	0.0698929	ug/L	0.46226245	0.0698929	ug/L	0.46226245	661.39%
Al 396.153†	448.0	137.949	ug/L	0.4344	137.949	ug/L	0.4344	0.31%
As 188.979†	-1.6	-11.4143	ug/L	8.89305	-11.4143	ug/L	8.89305	77.91%
B 249.677†	1018.7	49.5055	ug/L	0.54068	49.5055	ug/L	0.54068	1.09%
Ba 455.398†	27816.0	92.4263	ug/L	0.18820	92.4263	ug/L	0.18820	0.20%
Be 234.861†	5.6	-0.149986	ug/L	0.0698642	-0.149986	ug/L	0.0698642	46.58%
Ca 315.887†	65176.3	43.2054	mg/L	0.00477	43.2054	mg/L	0.00477	0.01%
Cd 214.437†	14.4	-0.980359	ug/L	0.4165735	-0.980359	ug/L	0.4165735	42.49%
Ce 413.764†	-3.2	-0.0879892	ug/L	0.09311398	-0.0879892	ug/L	0.09311398	105.82%
Co 228.616†	-4.1	-2.42145	ug/L	0.560133	-2.42145	ug/L	0.560133	23.13%
Cr 205.557†	-1.9	-1.41388	ug/L	0.811548	-1.41388	ug/L	0.811548	57.40%
Cu 327.397†	177.2	5.29503	ug/L	0.284467	5.29503	ug/L	0.284467	5.37%
Fe 238.204†	12.8	5.27680	ug/L	2.247836	5.27680	ug/L	2.247836	42.60%
K 766.490	322.8	0.391746	mg/L	0.0409331	0.391746	mg/L	0.0409331	10.45%
Li 670.784†	61.4	-1.48637	ug/L	0.116798	-1.48637	ug/L	0.116798	7.86%
Mg 279.071†	890.5	1.88335	mg/L	0.025423	1.88335	mg/L	0.025423	1.35%
Mn 257.610†	643.5	2.93373	ug/L	0.082038	2.93373	ug/L	0.082038	2.80%
Mo 202.031†	150.6	20.2259	ug/L	1.13606	20.2259	ug/L	1.13606	5.62%
Na 589.592†	12875.3	1.92661	mg/L	0.012593	1.92661	mg/L	0.012593	0.65%
Ni 231.604†	14.2	-0.0314043	ug/L	1.62188533	-0.0314043	ug/L	1.62188533	>999.9%
Pb 220.353†	-3.7	-4.17764	ug/L	2.034792	-4.17764	ug/L	2.034792	48.71%
Sb 217.584†	-6.5	-4.23215	ug/L	0.285601	-4.23215	ug/L	0.285601	6.75%
Se 196.026†	-2.7	-3.29186	ug/L	17.137216	-3.29186	ug/L	17.137216	520.59%
Si 251.611†	15028.7	1396.18	ug/L	15.579	1396.18	ug/L	15.579	1.12%
Sn 189.927†	-64.4	-20.9854	ug/L	4.38178	-20.9854	ug/L	4.38178	20.88%
Sr 407.771†	79785.9	99.2575	ug/L	0.07626	99.2575	ug/L	0.07626	0.08%
Ti 334.940†	3.8	2.22846	ug/L	0.228898	2.22846	ug/L	0.228898	10.27%
Tl 190.801†	-9.8	-8.96806	ug/L	2.520062	-8.96806	ug/L	2.520062	28.10%
V 292.395†	40.7	1.92269	ug/L	0.258151	1.92269	ug/L	0.258151	13.43%
Zn 206.200†	53.0	3.24764	ug/L	0.111381	3.24764	ug/L	0.111381	3.43%

Sequence No.: 19
Sample ID: 1002038-03
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 2/9/2010 11:55:23 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002038-03

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	188053.7	188053.7	101.061	%			11:56:29
1	Al 396.153†	137.8	-40.6	-7.67033	ug/L	-7.67033	ug/L	11:56:29
1	Ba 455.398†	13072.5	12982.0	42.9820	ug/L	42.9820	ug/L	11:56:29
1	Ca 315.887†	123496.8	122083.8	80.9432	mg/L	80.9432	mg/L	11:56:29
1	Fe 238.204†	80.9	46.0	19.0755	ug/L	19.0755	ug/L	11:56:49
1	K 766.490	429.9	379.1	0.467411	mg/L	0.467411	mg/L	11:56:29
1	Li 670.784†	-29.2	33.1	-2.29673	ug/L	-2.29673	ug/L	11:56:29
1	Mg 279.071†	3006.3	2957.2	6.29121	mg/L	6.29121	mg/L	11:56:49
1	Na 589.592†	27762.9	26806.8	4.01469	mg/L	4.01469	mg/L	11:56:29
1	Sr 407.771†	60011.0	59227.1	73.4620	ug/L	73.4620	ug/L	11:56:29
1	Ti 334.940†	-28.4	6.4	2.39973	ug/L	2.39973	ug/L	11:56:49
1	Y 360.076	232838.9	232838.9	99.0314	%			11:57:20
1	Ag 328.068†	19.7	-71.1	0.0612123	ug/L	0.0612123	ug/L	11:57:20
1	As 188.979†	-24.6	0.6	-7.91594	ug/L	-7.91594	ug/L	11:57:40
1	B 249.677†	3526.0	2893.5	151.970	ug/L	151.970	ug/L	11:57:20
1	Be 234.861†	-755.1	18.9	-0.0873512	ug/L	-0.0873512	ug/L	11:57:40
1	Cd 214.437†	401.5	-6.3	-1.77549	ug/L	-1.77549	ug/L	11:57:40
1	Ce 413.764†	843.0	37.5	1.01292	ug/L	1.01292	ug/L	11:57:20
1	Co 228.616†	-85.2	-3.5	-2.32329	ug/L	-2.32329	ug/L	11:57:40
1	Cr 205.557†	-17.0	11.6	-0.227792	ug/L	-0.227792	ug/L	11:57:40
1	Cu 327.397†	77.6	74.4	2.16265	ug/L	2.16265	ug/L	11:57:20
1	Mn 257.610†	4535.0	4373.0	28.4057	ug/L	28.4057	ug/L	11:57:40
1	Mo 202.031†	177.0	88.7	12.3511	ug/L	12.3511	ug/L	11:57:40
1	Ni 231.604†	369.0	18.9	0.341152	ug/L	0.341152	ug/L	11:57:40
1	Pb 220.353†	35.2	2.3	-0.478022	ug/L	-0.478022	ug/L	11:57:40
1	Sb 217.584†	-64.7	-18.0	-13.0307	ug/L	-13.0307	ug/L	11:57:40

1	Se 196.026†	-43.4	-8.5	-18.7578 ug/L	-18.7578 ug/L	11:57:40
1	Si 251.611†	9710.0	9667.7	895.904 ug/L	895.904 ug/L	11:57:20
1	Sn 189.927†	-89.3	-96.9	-27.9987 ug/L	-27.9987 ug/L	11:57:40
1	Tl 190.801†	-47.0	-8.8	-7.69588 ug/L	-7.69588 ug/L	11:57:40
1	V 292.395†	-1309.8	-7.4	0.777211 ug/L	0.777211 ug/L	11:57:40
1	Zn 206.200†	-76.7	-10.6	-3.57620 ug/L	-3.57620 ug/L	11:57:40
2	Sc 357.234	187745.0	187745.0	100.895 %		11:56:54
2	Al 396.153†	149.3	-29.0	-3.91545 ug/L	-3.91545 ug/L	11:56:54
2	Ba 455.398†	13179.8	13109.6	43.4073 ug/L	43.4073 ug/L	11:56:54
2	Ca 315.887†	123764.2	122549.8	81.2522 mg/L	81.2522 mg/L	11:56:54
2	Fe 238.204†	73.1	38.4	15.8366 ug/L	15.8366 ug/L	11:57:14
2	K 766.490	471.2	420.5	0.522987 mg/L	0.522987 mg/L	11:56:54
2	Li 670.784†	-2.0	60.1	-1.52255 ug/L	-1.52255 ug/L	11:56:54
2	Mg 279.071†	3025.4	2981.0	6.34200 mg/L	6.34200 mg/L	11:57:14
2	Na 589.592†	27827.5	26916.0	4.03106 mg/L	4.03106 mg/L	11:56:54
2	Sr 407.771†	60304.1	59615.3	73.9490 ug/L	73.9490 ug/L	11:56:54
2	Ti 334.940†	-36.4	-1.6	1.87667 ug/L	1.87667 ug/L	11:57:14
2	Y 360.076	231706.1	231706.1	98.5496 %		11:57:45
2	Ag 328.068†	91.3	1.6	1.21541 ug/L	1.21541 ug/L	11:57:45
2	As 188.979†	-19.5	5.6	0.268740 ug/L	0.268740 ug/L	11:58:05
2	B 249.677†	3492.9	2877.2	151.080 ug/L	151.080 ug/L	11:57:45
2	Be 234.861†	-761.4	8.8	-0.136738 ug/L	-0.136738 ug/L	11:58:05
2	Cd 214.437†	401.3	-4.5	-1.70449 ug/L	-1.70449 ug/L	11:58:05
2	Ce 413.764†	783.8	-18.4	-0.498026 ug/L	-0.498026 ug/L	11:57:45
2	Co 228.616†	-77.5	3.9	-1.17144 ug/L	-1.17144 ug/L	11:58:05
2	Cr 205.557†	-15.8	12.7	-0.128096 ug/L	-0.128096 ug/L	11:58:05
2	Cu 327.397†	73.3	70.4	2.04029 ug/L	2.04029 ug/L	11:57:45
2	Mn 257.610†	4515.0	4375.1	28.4200 ug/L	28.4200 ug/L	11:58:05
2	Mo 202.031†	165.9	78.4	11.0377 ug/L	11.0377 ug/L	11:58:05
2	Ni 231.604†	356.1	7.6	-0.599052 ug/L	-0.599052 ug/L	11:58:05
2	Pb 220.353†	30.3	-2.5	-3.44389 ug/L	-3.44389 ug/L	11:58:05
2	Sb 217.584†	-65.2	-18.8	-13.6721 ug/L	-13.6721 ug/L	11:58:05
2	Se 196.026†	-41.2	-6.4	-13.2007 ug/L	-13.2007 ug/L	11:58:05
2	Si 251.611†	9615.8	9620.0	891.470 ug/L	891.470 ug/L	11:57:45
2	Sn 189.927†	-87.3	-95.2	-27.1666 ug/L	-27.1666 ug/L	11:58:05
2	Tl 190.801†	-49.7	-11.8	-11.3920 ug/L	-11.3920 ug/L	11:58:05
2	V 292.395†	-1312.1	-16.2	0.569971 ug/L	0.569971 ug/L	11:58:05
2	Zn 206.200†	-56.8	9.1	-1.49821 ug/L	-1.49821 ug/L	11:58:05

Mean Data: 1002038-03

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	187899.3	100.978	%	0.1173				0.12%
Y 360.076	232272.5	98.7905	%	0.34068				0.34%
Ag 328.068†	-34.8	0.638312	ug/L	0.8161428	0.638312	ug/L	0.8161428	127.86%
Al 396.153†	-34.8	-5.79289	ug/L	2.655096	-5.79289	ug/L	2.655096	45.83%
As 188.979†	3.1	-3.82360	ug/L	5.787446	-3.82360	ug/L	5.787446	151.36%
B 249.677†	2885.3	151.525	ug/L	0.6294	151.525	ug/L	0.6294	0.42%
Ba 455.398†	13045.8	43.1947	ug/L	0.30073	43.1947	ug/L	0.30073	0.70%
Be 234.861†	13.8	-0.112045	ug/L	0.0349219	-0.112045	ug/L	0.0349219	31.17%
Ca 315.887†	122316.8	81.0977	mg/L	0.21851	81.0977	mg/L	0.21851	0.27%
Cd 214.437†	-5.4	-1.73999	ug/L	0.050204	-1.73999	ug/L	0.050204	2.89%
Ce 413.764†	9.5	0.257447	ug/L	1.0684002	0.257447	ug/L	1.0684002	415.00%
Co 228.616†	0.2	-1.74736	ug/L	0.814485	-1.74736	ug/L	0.814485	46.61%
Cr 205.557†	12.2	-0.177944	ug/L	0.0704958	-0.177944	ug/L	0.0704958	39.62%
Cu 327.397†	72.4	2.10147	ug/L	0.086526	2.10147	ug/L	0.086526	4.12%
Fe 238.204†	42.2	17.4560	ug/L	2.29026	17.4560	ug/L	2.29026	13.12%
K 766.490	399.8	0.495199	mg/L	0.0392987	0.495199	mg/L	0.0392987	7.94%
Li 670.784†	46.6	-1.90964	ug/L	0.547429	-1.90964	ug/L	0.547429	28.67%
Mg 279.071†	2969.1	6.31661	mg/L	0.035919	6.31661	mg/L	0.035919	0.57%
Mn 257.610†	4374.0	28.4128	ug/L	0.01008	28.4128	ug/L	0.01008	0.04%
Mo 202.031†	83.5	11.6944	ug/L	0.92866	11.6944	ug/L	0.92866	7.94%
Na 589.592†	26861.4	4.02287	mg/L	0.011572	4.02287	mg/L	0.011572	0.29%
Ni 231.604†	13.2	-0.128950	ug/L	0.6648246	-0.128950	ug/L	0.6648246	515.57%
Pb 220.353†	-0.1	-1.96096	ug/L	2.097186	-1.96096	ug/L	2.097186	106.95%
Sb 217.584†	-18.4	-13.3514	ug/L	0.45354	-13.3514	ug/L	0.45354	3.40%
Se 196.026†	-7.5	-15.9793	ug/L	3.92946	-15.9793	ug/L	3.92946	24.59%
Si 251.611†	9643.9	893.687	ug/L	3.1352	893.687	ug/L	3.1352	0.35%
Sn 189.927†	-96.1	-27.5826	ug/L	0.58838	-27.5826	ug/L	0.58838	2.13%
Sr 407.771†	59421.2	73.7055	ug/L	0.34440	73.7055	ug/L	0.34440	0.47%

Ti 334.940†	2.4	2.13820 ug/L	0.369860	2.13820 ug/L	0.369860	17.30%
Tl 190.801†	-10.3	-9.54395 ug/L	2.613565	-9.54395 ug/L	2.613565	27.38%
V 292.395†	-11.8	0.673591 ug/L	0.1465411	0.673591 ug/L	0.1465411	21.76%
Zn 206.200†	-0.7	-2.53721 ug/L	1.469357	-2.53721 ug/L	1.469357	57.91%

Sequence No.: 20 **Autosampler Location: 22**
Sample ID: 1002038-04 **Date Collected: 2/9/2010 11:59:21 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1002038-04

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	186278.0	186278.0	100.107	%			12:00:27
1	Al 396.153†	6590.2	6406.3	2011.04	ug/L	2011.04	ug/L	12:00:47
1	Ba 455.398†	8221.9	8259.9	27.2424	ug/L	27.2424	ug/L	12:00:27
1	Ca 315.887†	3259.4	3139.3	2.06614	mg/L	2.06614	mg/L	12:00:47
1	Fe 238.204†	4748.3	4709.2	1995.70	ug/L	1995.70	ug/L	12:00:47
1	K 766.490	472.0	421.2	0.523984	mg/L	0.523984	mg/L	12:00:47
1	Li 670.784†	66.3	128.3	0.434273	ug/L	0.434273	ug/L	12:00:47
1	Mg 279.071†	222.8	205.1	0.421481	mg/L	0.421481	mg/L	12:00:47
1	Na 589.592†	35752.3	35049.6	5.25014	mg/L	5.25014	mg/L	12:00:27
1	Sr 407.771†	9274.0	9110.2	10.5791	ug/L	10.5791	ug/L	12:00:27
1	Ti 334.940†	557.0	590.9	40.7107	ug/L	40.7107	ug/L	12:00:47
1	Y 360.076	233515.5	233515.5	99.3192	%			12:01:18
1	Ag 328.068†	27.4	-63.5	-0.440745	ug/L	-0.440745	ug/L	12:01:18
1	As 188.979†	-27.1	-1.8	-12.1444	ug/L	-12.1444	ug/L	12:01:38
1	B 249.677†	3804.6	3163.6	166.928	ug/L	166.928	ug/L	12:01:18
1	Be 234.861†	-650.8	126.1	-0.230998	ug/L	-0.230998	ug/L	12:01:18
1	Cd 214.437†	429.3	20.5	-1.23149	ug/L	-1.23149	ug/L	12:01:38
1	Ce 413.764†	980.1	173.0	4.66727	ug/L	4.66727	ug/L	12:01:18
1	Co 228.616†	-78.1	3.9	-1.32437	ug/L	-1.32437	ug/L	12:01:38
1	Cr 205.557†	-11.4	17.3	0.390069	ug/L	0.390069	ug/L	12:01:38
1	Cu 327.397†	138.8	135.8	4.05661	ug/L	4.05661	ug/L	12:01:18
1	Mn 257.610†	12532.5	12412.0	83.3854	ug/L	83.3854	ug/L	12:01:18
1	Mo 202.031†	98.3	9.0	2.21232	ug/L	2.21232	ug/L	12:01:38
1	Ni 231.604†	374.1	22.9	0.659812	ug/L	0.659812	ug/L	12:01:38
1	Pb 220.353†	38.8	5.9	1.76335	ug/L	1.76335	ug/L	12:01:38
1	Sb 217.584†	-56.8	-9.8	-0.782916	ug/L	-0.782916	ug/L	12:01:38
1	Se 196.026†	-43.0	-7.9	-14.8594	ug/L	-14.8594	ug/L	12:01:38
1	Si 251.611†	40753.0	40895.1	3809.45	ug/L	3809.45	ug/L	12:01:18
1	Sn 189.927†	3.0	-3.6	-1.45706	ug/L	-1.45706	ug/L	12:01:38
1	Tl 190.801†	-43.8	-5.4	-3.22677	ug/L	-3.22677	ug/L	12:01:38
1	V 292.395†	-1116.9	190.7	4.64773	ug/L	4.64773	ug/L	12:01:38
1	Zn 206.200†	37.5	104.6	8.54915	ug/L	8.54915	ug/L	12:01:38
2	Sc 357.234	188837.6	188837.6	101.482	%			12:00:52
2	Al 396.153†	6586.9	6313.8	1981.84	ug/L	1981.84	ug/L	12:01:12
2	Ba 455.398†	8199.0	8126.0	26.7961	ug/L	26.7961	ug/L	12:00:52
2	Ca 315.887†	3260.7	3096.5	2.03777	mg/L	2.03777	mg/L	12:01:12
2	Fe 238.204†	4783.7	4679.7	1983.21	ug/L	1983.21	ug/L	12:01:12
2	K 766.490	468.0	417.2	0.518659	mg/L	0.518659	mg/L	12:01:12
2	Li 670.784†	71.0	132.1	0.542560	ug/L	0.542560	ug/L	12:01:12
2	Mg 279.071†	224.9	204.1	0.419453	mg/L	0.419453	mg/L	12:01:12
2	Na 589.592†	35908.1	34719.0	5.20059	mg/L	5.20059	mg/L	12:00:52
2	Sr 407.771†	9316.9	9027.0	10.4746	ug/L	10.4746	ug/L	12:00:52
2	Ti 334.940†	548.1	574.5	39.6370	ug/L	39.6370	ug/L	12:01:12
2	Y 360.076	232582.8	232582.8	98.9225	%			12:01:43
2	Ag 328.068†	22.6	-68.2	-0.518887	ug/L	-0.518887	ug/L	12:01:43
2	As 188.979†	-12.7	12.6	11.3587	ug/L	11.3587	ug/L	12:02:04
2	B 249.677†	3803.1	3177.5	167.688	ug/L	167.688	ug/L	12:01:43
2	Be 234.861†	-624.6	150.0	-0.107591	ug/L	-0.107591	ug/L	12:01:43
2	Cd 214.437†	432.9	25.9	-1.01730	ug/L	-1.01730	ug/L	12:02:04
2	Ce 413.764†	971.2	168.0	4.53227	ug/L	4.53227	ug/L	12:01:43
2	Co 228.616†	-80.5	1.2	-1.74795	ug/L	-1.74795	ug/L	12:02:04
2	Cr 205.557†	-11.9	16.7	0.340811	ug/L	0.340811	ug/L	12:02:04
2	Cu 327.397†	156.3	154.0	4.61114	ug/L	4.61114	ug/L	12:01:43
2	Mn 257.610†	12350.4	12278.6	82.4740	ug/L	82.4740	ug/L	12:01:43
2	Mo 202.031†	90.8	1.7	1.29329	ug/L	1.29329	ug/L	12:02:04

2	Ni 231.604†	381.7	32.1	1.42665 ug/L	1.42665 ug/L	12:02:04
2	Pb 220.353†	44.5	11.8	5.43994 ug/L	5.43994 ug/L	12:02:04
2	Sb 217.584†	-52.9	-6.1	2.04221 ug/L	2.04221 ug/L	12:02:04
2	Se 196.026†	-46.1	-11.3	-23.9047 ug/L	-23.9047 ug/L	12:02:04
2	Si 251.611†	40253.6	40554.8	3777.72 ug/L	3777.72 ug/L	12:01:43
2	Sn 189.927†	-4.4	-11.1	-4.97273 ug/L	-4.97273 ug/L	12:02:04
2	Tl 190.801†	-41.8	-3.6	-0.986777 ug/L	-0.986777 ug/L	12:02:04
2	V 292.395†	-1101.5	201.8	4.88435 ug/L	4.88435 ug/L	12:02:04
2	Zn 206.200†	38.0	105.2	8.61318 ug/L	8.61318 ug/L	12:02:04

Mean Data: 1002038-04

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	187557.8	100.794	%	0.9726				0.96%
Y 360.076	233049.2	99.1208	%	0.28051				0.28%
Ag 328.068†	-65.8	-0.479816	ug/L	0.0552553	-0.479816	ug/L	0.0552553	11.52%
Al 396.153†	6360.0	1996.44	ug/L	20.652	1996.44	ug/L	20.652	1.03%
As 188.979†	5.4	-0.392841	ug/L	16.6191717	-0.392841	ug/L	16.6191717	>999.9%
B 249.677†	3170.6	167.308	ug/L	0.5374	167.308	ug/L	0.5374	0.32%
Ba 455.398†	8193.0	27.0193	ug/L	0.31557	27.0193	ug/L	0.31557	1.17%
Be 234.861†	138.1	-0.169295	ug/L	0.0872618	-0.169295	ug/L	0.0872618	51.54%
Ca 315.887†	3117.9	2.05195	mg/L	0.020062	2.05195	mg/L	0.020062	0.98%
Cd 214.437†	23.2	-1.12440	ug/L	0.151452	-1.12440	ug/L	0.151452	13.47%
Ce 413.764†	170.5	4.59977	ug/L	0.095460	4.59977	ug/L	0.095460	2.08%
Co 228.616†	2.6	-1.53616	ug/L	0.299515	-1.53616	ug/L	0.299515	19.50%
Cr 205.557†	17.0	0.365440	ug/L	0.0348307	0.365440	ug/L	0.0348307	9.53%
Cu 327.397†	144.9	4.33388	ug/L	0.392118	4.33388	ug/L	0.392118	9.05%
Fe 238.204†	4694.5	1989.46	ug/L	8.834	1989.46	ug/L	8.834	0.44%
K 766.490	419.2	0.521322	mg/L	0.0037654	0.521322	mg/L	0.0037654	0.72%
Li 670.784†	130.2	0.488417	ug/L	0.0765707	0.488417	ug/L	0.0765707	15.68%
Mg 279.071†	204.6	0.420467	mg/L	0.0014339	0.420467	mg/L	0.0014339	0.34%
Mn 257.610†	12345.3	82.9297	ug/L	0.64450	82.9297	ug/L	0.64450	0.78%
Mo 202.031†	5.4	1.75280	ug/L	0.649853	1.75280	ug/L	0.649853	37.08%
Na 589.592†	34884.3	5.22536	mg/L	0.035036	5.22536	mg/L	0.035036	0.67%
Ni 231.604†	27.5	1.04323	ug/L	0.542237	1.04323	ug/L	0.542237	51.98%
Pb 220.353†	8.8	3.60164	ug/L	2.599743	3.60164	ug/L	2.599743	72.18%
Sb 217.584†	-7.9	0.629649	ug/L	1.9976689	0.629649	ug/L	1.9976689	317.27%
Se 196.026†	-9.6	-19.3821	ug/L	6.39599	-19.3821	ug/L	6.39599	33.00%
Si 251.611†	40725.0	3793.59	ug/L	22.438	3793.59	ug/L	22.438	0.59%
Sn 189.927†	-7.3	-3.21490	ug/L	2.485957	-3.21490	ug/L	2.485957	77.33%
Sr 407.771†	9068.6	10.5269	ug/L	0.07386	10.5269	ug/L	0.07386	0.70%
Ti 334.940†	582.7	40.1739	ug/L	0.75919	40.1739	ug/L	0.75919	1.89%
Tl 190.801†	-4.5	-2.10677	ug/L	1.583914	-2.10677	ug/L	1.583914	75.18%
V 292.395†	196.3	4.76604	ug/L	0.167320	4.76604	ug/L	0.167320	3.51%
Zn 206.200†	104.9	8.58116	ug/L	0.045273	8.58116	ug/L	0.045273	0.53%

Sequence No.: 21
Sample ID: 1002038-05
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 23
Date Collected: 2/9/2010 12:03:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002038-05

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	186514.9	186514.9	100.234	%			12:04:23
1	Al 396.153†	426.2	248.3	69.8948	ug/L	69.8948	ug/L	12:04:43
1	Ba 455.398†	369722.4	368906.6	1229.34	ug/L	1229.34	ug/L	12:04:23
1	Ca 315.887†	30491.1	30303.3	20.0797	mg/L	20.0797	mg/L	12:04:23
1	Fe 238.204†	749.9	714.1	302.399	ug/L	302.399	ug/L	12:04:43
1	K 766.490	690.0	639.2	0.816949	mg/L	0.816949	mg/L	12:04:43
1	Li 670.784†	488.4	549.3	12.5197	ug/L	12.5197	ug/L	12:04:43
1	Mg 279.071†	1024.6	1004.7	2.12685	mg/L	2.12685	mg/L	12:04:43
1	Na 589.592†	31977.2	31237.9	4.67883	mg/L	4.67883	mg/L	12:04:23
1	Sr 407.771†	132962.8	132498.7	165.397	ug/L	165.397	ug/L	12:04:23
1	Ti 334.940†	-25.0	9.5	2.60561	ug/L	2.60561	ug/L	12:04:43
1	Y 360.076	233825.6	233825.6	99.4510	%			12:05:15
1	Ag 328.068†	63.0	-27.7	0.107060	ug/L	0.107060	ug/L	12:05:15

1	As 188.979†	-23.0	2.3	-5.22106 ug/L	-5.22106 ug/L	12:05:35
1	B 249.677†	2129.8	1474.5	74.4288 ug/L	74.4288 ug/L	12:05:35
1	Be 234.861†	-712.6	64.8	0.0459898 ug/L	0.0459898 ug/L	12:05:35
1	Cd 214.437†	429.7	20.3	-0.821749 ug/L	-0.821749 ug/L	12:05:35
1	Ce 413.764†	932.9	124.3	3.36265 ug/L	3.36265 ug/L	12:05:15
1	Co 228.616†	-40.5	41.8	4.69819 ug/L	4.69819 ug/L	12:05:35
1	Cr 205.557†	-24.5	4.1	-0.883099 ug/L	-0.883099 ug/L	12:05:35
1	Cu 327.397†	1038.7	1040.4	31.5791 ug/L	31.5791 ug/L	12:05:15
1	Mn 257.610†	15440.3	15319.2	103.177 ug/L	103.177 ug/L	12:05:15
1	Mo 202.031†	116.9	27.5	4.57462 ug/L	4.57462 ug/L	12:05:35
1	Ni 231.604†	657.4	307.3	24.3581 ug/L	24.3581 ug/L	12:05:35
1	Pb 220.353†	34.3	1.3	-1.17158 ug/L	-1.17158 ug/L	12:05:35
1	Sb 217.584†	-48.2	-1.1	0.897462 ug/L	0.897462 ug/L	12:05:35
1	Se 196.026†	-39.3	-4.1	-6.65626 ug/L	-6.65626 ug/L	12:05:35
1	Si 251.611†	1676.6	1548.6	138.325 ug/L	138.325 ug/L	12:05:35
1	Sn 189.927†	-25.2	-32.0	-10.8555 ug/L	-10.8555 ug/L	12:05:35
1	Tl 190.801†	-41.8	-3.3	-1.07812 ug/L	-1.07812 ug/L	12:05:35
1	V 292.395†	-1309.0	-0.9	0.783955 ug/L	0.783955 ug/L	12:05:35
1	Zn 206.200†	4053.5	4142.6	434.108 ug/L	434.108 ug/L	12:05:35
2	Sc 357.234	186832.6	186832.6	100.405 %		12:04:49
2	Al 396.153†	416.2	237.6	66.4718 ug/L	66.4718 ug/L	12:05:09
2	Ba 455.398†	368927.5	367487.6	1224.61 ug/L	1224.61 ug/L	12:04:49
2	Ca 315.887†	30412.7	30173.6	19.9937 mg/L	19.9937 mg/L	12:04:49
2	Fe 238.204†	742.4	705.4	298.715 ug/L	298.715 ug/L	12:05:09
2	K 766.490	702.9	652.1	0.834220 mg/L	0.834220 mg/L	12:05:09
2	Li 670.784†	464.4	524.6	11.8116 ug/L	11.8116 ug/L	12:05:09
2	Mg 279.071†	1023.8	1002.2	2.12158 mg/L	2.12158 mg/L	12:05:09
2	Na 589.592†	31983.1	31189.6	4.67159 mg/L	4.67159 mg/L	12:04:49
2	Sr 407.771†	132790.1	132101.1	164.899 ug/L	164.899 ug/L	12:04:49
2	Ti 334.940†	-24.0	10.6	2.67561 ug/L	2.67561 ug/L	12:05:09
2	Y 360.076	231420.3	231420.3	98.4280 %		12:05:40
2	Ag 328.068†	77.9	-11.9	0.344676 ug/L	0.344676 ug/L	12:05:40
2	As 188.979†	-25.1	-0.1	-9.06907 ug/L	-9.06907 ug/L	12:06:00
2	B 249.677†	2120.1	1486.9	75.1073 ug/L	75.1073 ug/L	12:06:00
2	Be 234.861†	-714.0	55.9	0.0028981 ug/L	0.0028981 ug/L	12:06:00
2	Cd 214.437†	430.1	25.3	-0.629600 ug/L	-0.629600 ug/L	12:06:00
2	Ce 413.764†	829.2	28.7	0.776267 ug/L	0.776267 ug/L	12:05:40
2	Co 228.616†	-46.1	35.7	3.74802 ug/L	3.74802 ug/L	12:06:00
2	Cr 205.557†	-35.2	-7.0	-1.85516 ug/L	-1.85516 ug/L	12:06:00
2	Cu 327.397†	1011.8	1023.9	31.0778 ug/L	31.0778 ug/L	12:05:40
2	Mn 257.610†	15220.7	15257.5	102.756 ug/L	102.756 ug/L	12:05:40
2	Mo 202.031†	116.9	28.8	4.72955 ug/L	4.72955 ug/L	12:06:00
2	Ni 231.604†	647.5	304.1	24.0964 ug/L	24.0964 ug/L	12:06:00
2	Pb 220.353†	32.9	0.2	-1.84703 ug/L	-1.84703 ug/L	12:06:00
2	Sb 217.584†	-49.9	-3.3	-0.818523 ug/L	-0.818523 ug/L	12:06:00
2	Se 196.026†	-44.6	-9.9	-22.2828 ug/L	-22.2828 ug/L	12:06:00
2	Si 251.611†	1675.1	1564.6	139.818 ug/L	139.818 ug/L	12:06:00
2	Sn 189.927†	-41.0	-48.3	-18.5081 ug/L	-18.5081 ug/L	12:06:00
2	Tl 190.801†	-41.9	-3.9	-1.78595 ug/L	-1.78595 ug/L	12:06:00
2	V 292.395†	-1266.9	28.1	1.42674 ug/L	1.42674 ug/L	12:06:00
2	Zn 206.200†	4059.5	4191.1	439.217 ug/L	439.217 ug/L	12:06:00

Mean Data: 1002038-05

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	186673.7	100.319	%	0.1207				0.12%
Y 360.076	232622.9	98.9395	%	0.72337				0.73%
Ag 328.068†	-19.8	0.225868	ug/L	0.1680203	0.225868	ug/L	0.1680203	74.39%
Al 396.153†	243.0	68.1833	ug/L	2.42042	68.1833	ug/L	2.42042	3.55%
As 188.979†	1.1	-7.14507	ug/L	2.720956	-7.14507	ug/L	2.720956	38.08%
B 249.677†	1480.7	74.7680	ug/L	0.47975	74.7680	ug/L	0.47975	0.64%
Ba 455.398†	368197.1	1226.98	ug/L	3.344	1226.98	ug/L	3.344	0.27%
Be 234.861†	60.4	0.0244440	ug/L	0.03047043	0.0244440	ug/L	0.03047043	124.65%
Ca 315.887†	30238.4	20.0367	mg/L	0.06084	20.0367	mg/L	0.06084	0.30%
Cd 214.437†	22.8	-0.725675	ug/L	0.1358703	-0.725675	ug/L	0.1358703	18.72%
Ce 413.764†	76.5	2.06946	ug/L	1.828850	2.06946	ug/L	1.828850	88.37%
Co 228.616†	38.7	4.22310	ug/L	0.671872	4.22310	ug/L	0.671872	15.91%
Cr 205.557†	-1.4	-1.36913	ug/L	0.687349	-1.36913	ug/L	0.687349	50.20%
Cu 327.397†	1032.2	31.3285	ug/L	0.35445	31.3285	ug/L	0.35445	1.13%
Fe 238.204†	709.7	300.557	ug/L	2.6046	300.557	ug/L	2.6046	0.87%

K 766.490	645.7	0.825584 mg/L	0.0122128	0.825584 mg/L	0.0122128	1.48%
Li 670.784†	537.0	12.1656 ug/L	0.50071	12.1656 ug/L	0.50071	4.12%
Mg 279.071†	1003.4	2.12421 mg/L	0.003724	2.12421 mg/L	0.003724	0.18%
Mn 257.610†	15288.3	102.966 ug/L	0.2983	102.966 ug/L	0.2983	0.29%
Mo 202.031†	28.2	4.65209 ug/L	0.109554	4.65209 ug/L	0.109554	2.35%
Na 589.592†	31213.8	4.67521 mg/L	0.005125	4.67521 mg/L	0.005125	0.11%
Ni 231.604†	305.7	24.2273 ug/L	0.18506	24.2273 ug/L	0.18506	0.76%
Pb 220.353†	0.8	-1.50930 ug/L	0.477616	-1.50930 ug/L	0.477616	31.64%
Sb 217.584†	-2.2	0.0394697 ug/L	1.21338423	0.0394697 ug/L	1.21338423	>999.9%
Se 196.026†	-7.0	-14.4695 ug/L	11.04961	-14.4695 ug/L	11.04961	76.36%
Si 251.611†	1556.6	139.071 ug/L	1.0555	139.071 ug/L	1.0555	0.76%
Sn 189.927†	-40.2	-14.6818 ug/L	5.41122	-14.6818 ug/L	5.41122	36.86%
Sr 407.771†	132299.9	165.148 ug/L	0.3528	165.148 ug/L	0.3528	0.21%
Ti 334.940†	10.1	2.64061 ug/L	0.049497	2.64061 ug/L	0.049497	1.87%
Tl 190.801†	-3.6	-1.43203 ug/L	0.500510	-1.43203 ug/L	0.500510	34.95%
V 292.395†	13.6	1.10535 ug/L	0.454516	1.10535 ug/L	0.454516	41.12%
Zn 206.200†	4166.9	436.662 ug/L	3.6131	436.662 ug/L	3.6131	0.83%

Sequence No.: 22
Sample ID: 1002038-06
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 24
Date Collected: 2/9/2010 12:07:16 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002038-06

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	189592.4	189592.4	101.888	%			12:08:23
1	Al 396.153†	307.8	125.2	30.7159	ug/L	30.7159	ug/L	12:08:43
1	Ba 455.398†	114822.7	112742.0	375.500	ug/L	375.500	ug/L	12:08:23
1	Ca 315.887†	29081.7	28426.3	18.8350	mg/L	18.8350	mg/L	12:08:23
1	Fe 238.204†	745.8	697.9	295.560	ug/L	295.560	ug/L	12:08:43
1	K 766.490	656.4	605.6	0.771758	mg/L	0.771758	mg/L	12:08:43
1	Li 670.784†	435.1	489.1	10.7913	ug/L	10.7913	ug/L	12:08:43
1	Mg 279.071†	1129.7	1091.2	2.31145	mg/L	2.31145	mg/L	12:08:43
1	Na 589.592†	46629.5	45100.9	6.75664	mg/L	6.75664	mg/L	12:08:23
1	Sr 407.771†	108278.4	106118.4	132.297	ug/L	132.297	ug/L	12:08:23
1	Ti 334.940†	-21.9	13.0	2.83247	ug/L	2.83247	ug/L	12:08:43
1	Y 360.076	234532.0	234532.0	99.7515	%			12:09:14
1	Ag 328.068†	66.1	-24.8	0.129514	ug/L	0.129514	ug/L	12:09:14
1	As 188.979†	-26.4	-1.1	-10.6232	ug/L	-10.6232	ug/L	12:09:34
1	B 249.677†	4955.1	4300.4	228.871	ug/L	228.871	ug/L	12:09:14
1	Be 234.861†	-723.9	55.6	0.0027465	ug/L	0.0027465	ug/L	12:09:34
1	Cd 214.437†	439.5	28.9	-0.481065	ug/L	-0.481065	ug/L	12:09:34
1	Ce 413.764†	865.0	53.4	1.44402	ug/L	1.44402	ug/L	12:09:14
1	Co 228.616†	-38.5	43.9	5.03032	ug/L	5.03032	ug/L	12:09:34
1	Cr 205.557†	-21.5	7.3	-0.605765	ug/L	-0.605765	ug/L	12:09:34
1	Cu 327.397†	821.1	819.2	24.8426	ug/L	24.8426	ug/L	12:09:14
1	Mn 257.610†	13664.1	13491.8	90.6962	ug/L	90.6962	ug/L	12:09:14
1	Mo 202.031†	118.9	29.1	4.77794	ug/L	4.77794	ug/L	12:09:34
1	Ni 231.604†	626.7	274.5	21.6269	ug/L	21.6269	ug/L	12:09:34
1	Pb 220.353†	42.5	9.4	3.85469	ug/L	3.85469	ug/L	12:09:34
1	Sb 217.584†	-52.3	-5.1	-2.16216	ug/L	-2.16216	ug/L	12:09:34
1	Se 196.026†	-42.5	-7.3	-15.0919	ug/L	-15.0919	ug/L	12:09:34
1	Si 251.611†	27899.5	27831.7	2590.98	ug/L	2590.98	ug/L	12:09:14
1	Sn 189.927†	-27.7	-34.5	-12.2854	ug/L	-12.2854	ug/L	12:09:34
1	Tl 190.801†	-43.7	-5.2	-3.33501	ug/L	-3.33501	ug/L	12:09:34
1	V 292.395†	-1280.9	31.1	1.49365	ug/L	1.49365	ug/L	12:09:34
1	Zn 206.200†	3486.1	3561.6	372.881	ug/L	372.881	ug/L	12:09:34
2	Sc 357.234	188659.9	188659.9	101.387	%			12:08:48
2	Al 396.153†	304.0	122.9	29.9749	ug/L	29.9749	ug/L	12:09:08
2	Ba 455.398†	114390.5	112872.8	375.936	ug/L	375.936	ug/L	12:08:48
2	Ca 315.887†	28959.8	28447.2	18.8489	mg/L	18.8489	mg/L	12:08:48
2	Fe 238.204†	758.5	714.1	302.417	ug/L	302.417	ug/L	12:09:08
2	K 766.490	651.1	600.3	0.764661	mg/L	0.764661	mg/L	12:09:08
2	Li 670.784†	463.7	519.4	11.6606	ug/L	11.6606	ug/L	12:09:08
2	Mg 279.071†	1132.9	1099.9	2.33001	mg/L	2.33001	mg/L	12:09:08
2	Na 589.592†	46627.2	45324.8	6.79020	mg/L	6.79020	mg/L	12:08:48
2	Sr 407.771†	108090.6	106458.4	132.724	ug/L	132.724	ug/L	12:08:48

2	Ti 334.940†	-16.8	17.9	3.15576 ug/L	3.15576 ug/L		12:09:08
2	Y 360.076	235402.9	235402.9	100.122 %			12:09:39
2	Ag 328.068†	45.4	-45.7	-0.203703 ug/L	-0.203703 ug/L		12:09:39
2	As 188.979†	-23.1	2.4	-5.02598 ug/L	-5.02598 ug/L		12:09:59
2	B 249.677†	5028.0	4354.8	231.843 ug/L	231.843 ug/L		12:09:39
2	Be 234.861†	-743.3	39.0	-0.0826981 ug/L	-0.0826981 ug/L		12:09:59
2	Cd 214.437†	443.2	30.9	-0.404207 ug/L	-0.404207 ug/L		12:09:59
2	Ce 413.764†	863.0	48.2	1.30437 ug/L	1.30437 ug/L		12:09:39
2	Co 228.616†	-33.1	49.5	5.90024 ug/L	5.90024 ug/L		12:09:59
2	Cr 205.557†	-18.3	10.6	-0.315368 ug/L	-0.315368 ug/L		12:09:59
2	Cu 327.397†	858.5	853.5	25.8878 ug/L	25.8878 ug/L		12:09:39
2	Mn 257.610†	13609.1	13386.2	89.9751 ug/L	89.9751 ug/L		12:09:39
2	Mo 202.031†	123.8	33.6	5.35009 ug/L	5.35009 ug/L		12:09:59
2	Ni 231.604†	620.4	266.0	20.9128 ug/L	20.9128 ug/L		12:09:59
2	Pb 220.353†	43.2	9.9	4.17434 ug/L	4.17434 ug/L		12:09:59
2	Sb 217.584†	-48.1	-0.7	1.25397 ug/L	1.25397 ug/L		12:09:59
2	Se 196.026†	-48.7	-13.3	-31.3057 ug/L	-31.3057 ug/L		12:09:59
2	Si 251.611†	27847.3	27676.2	2576.45 ug/L	2576.45 ug/L		12:09:39
2	Sn 189.927†	-41.4	-48.1	-18.6528 ug/L	-18.6528 ug/L		12:09:59
2	Tl 190.801†	-38.2	0.5	3.59582 ug/L	3.59582 ug/L		12:09:59
2	V 292.395†	-1297.7	19.1	1.23332 ug/L	1.23332 ug/L		12:09:59
2	Zn 206.200†	3487.0	3549.5	371.612 ug/L	371.612 ug/L		12:09:59

Mean Data: 1002038-06

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	189126.1	101.637	%	0.3544				0.35%
Y 360.076	234967.4	99.9367	%	0.26193				0.26%
Ag 328.068†	-35.2	-0.0370946	ug/L	0.23562040	-0.0370946	ug/L	0.23562040	635.19%
Al 396.153†	124.1	30.3454	ug/L	0.52399	30.3454	ug/L	0.52399	1.73%
As 188.979†	0.7	-7.82460	ug/L	3.957846	-7.82460	ug/L	3.957846	50.58%
B 249.677†	4327.6	230.357	ug/L	2.1016	230.357	ug/L	2.1016	0.91%
Ba 455.398†	112807.4	375.718	ug/L	0.3082	375.718	ug/L	0.3082	0.08%
Be 234.861†	47.3	-0.0399758	ug/L	0.06041850	-0.0399758	ug/L	0.06041850	151.14%
Ca 315.887†	28436.7	18.8419	mg/L	0.00981	18.8419	mg/L	0.00981	0.05%
Cd 214.437†	29.9	-0.442636	ug/L	0.0543473	-0.442636	ug/L	0.0543473	12.28%
Ce 413.764†	50.8	1.37420	ug/L	0.098742	1.37420	ug/L	0.098742	7.19%
Co 228.616†	46.7	5.46528	ug/L	0.615124	5.46528	ug/L	0.615124	11.26%
Cr 205.557†	8.9	-0.460566	ug/L	0.2053415	-0.460566	ug/L	0.2053415	44.58%
Cu 327.397†	836.4	25.3652	ug/L	0.73905	25.3652	ug/L	0.73905	2.91%
Fe 238.204†	706.0	298.988	ug/L	4.8485	298.988	ug/L	4.8485	1.62%
K 766.490	603.0	0.768210	mg/L	0.0050181	0.768210	mg/L	0.0050181	0.65%
Li 670.784†	504.2	11.2260	ug/L	0.61470	11.2260	ug/L	0.61470	5.48%
Mg 279.071†	1095.6	2.32073	mg/L	0.013127	2.32073	mg/L	0.013127	0.57%
Mn 257.610†	13439.0	90.3357	ug/L	0.50987	90.3357	ug/L	0.50987	0.56%
Mo 202.031†	31.4	5.06401	ug/L	0.404570	5.06401	ug/L	0.404570	7.99%
Na 589.592†	45212.9	6.77342	mg/L	0.023729	6.77342	mg/L	0.023729	0.35%
Ni 231.604†	270.2	21.2698	ug/L	0.50496	21.2698	ug/L	0.50496	2.37%
Pb 220.353†	9.6	4.01452	ug/L	0.226024	4.01452	ug/L	0.226024	5.63%
Sb 217.584†	-2.9	-0.454094	ug/L	2.4155678	-0.454094	ug/L	2.4155678	531.95%
Se 196.026†	-10.3	-23.1988	ug/L	11.46487	-23.1988	ug/L	11.46487	49.42%
Si 251.611†	27753.9	2583.71	ug/L	10.270	2583.71	ug/L	10.270	0.40%
Sn 189.927†	-41.3	-15.4691	ug/L	4.50243	-15.4691	ug/L	4.50243	29.11%
Sr 407.771†	106288.4	132.511	ug/L	0.3017	132.511	ug/L	0.3017	0.23%
Ti 334.940†	15.5	2.99412	ug/L	0.228599	2.99412	ug/L	0.228599	7.63%
Tl 190.801†	-2.3	0.130402	ug/L	4.9008351	0.130402	ug/L	4.9008351	>999.9%
V 292.395†	25.1	1.36348	ug/L	0.184079	1.36348	ug/L	0.184079	13.50%
Zn 206.200†	3555.6	372.247	ug/L	0.8971	372.247	ug/L	0.8971	0.24%

==========

Sequence No.: 23
Sample ID: 1002038-08
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 25
Date Collected: 2/9/2010 12:11:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002038-08

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time

1	Sc 357.234	187082.5	187082.5	100.539	%		12:12:19
1	Al 396.153†	1638.7	1453.0	449.735	ug/L	449.735 ug/L	12:12:19
1	Ba 455.398†	15725.0	15687.5	51.9999	ug/L	51.9999 ug/L	12:12:19
1	Ca 315.887†	27053.0	26791.4	17.7509	mg/L	17.7509 mg/L	12:12:19
1	Fe 238.204†	156.5	121.6	51.3954	ug/L	51.3954 ug/L	12:12:39
1	K 766.490	243.7	192.9	0.217211	mg/L	0.217211 mg/L	12:12:19
1	Li 670.784†	-6.9	55.2	-1.66417	ug/L	-1.66417 ug/L	12:12:19
1	Mg 279.071†	676.8	655.7	1.38258	mg/L	1.38258 mg/L	12:12:39
1	Na 589.592†	49297.8	48369.0	7.24646	mg/L	7.24646 mg/L	12:12:19
1	Sr 407.771†	36712.7	36362.0	44.7726	ug/L	44.7726 ug/L	12:12:19
1	Ti 334.940†	957.5	986.8	66.6602	ug/L	66.6602 ug/L	12:12:39
1	Y 360.076	234008.8	234008.8	99.5290	%		12:13:10
1	Ag 328.068†	40.0	-50.9	-0.336929	ug/L	-0.336929 ug/L	12:13:10
1	As 188.979†	-20.6	4.7	-1.67412	ug/L	-1.67412 ug/L	12:13:31
1	B 249.677†	12199.8	11590.5	627.254	ug/L	627.254 ug/L	12:13:10
1	Be 234.861†	-765.9	11.9	-0.136186	ug/L	-0.136186 ug/L	12:13:31
1	Cd 214.437†	414.8	5.1	-1.35577	ug/L	-1.35577 ug/L	12:13:31
1	Ce 413.764†	808.8	-1.1	-0.0541720	ug/L	-0.0541720 ug/L	12:13:10
1	Co 228.616†	-82.0	0.1	-1.90593	ug/L	-1.90593 ug/L	12:13:31
1	Cr 205.557†	-4.6	24.2	0.879020	ug/L	0.879020 ug/L	12:13:31
1	Cu 327.397†	175.1	172.0	5.17526	ug/L	5.17526 ug/L	12:13:10
1	Mn 257.610†	366.5	161.9	-0.354341	ug/L	-0.354341 ug/L	12:13:31
1	Mo 202.031†	173.3	84.1	11.7674	ug/L	11.7674 ug/L	12:13:31
1	Ni 231.604†	356.5	4.4	-0.863504	ug/L	-0.863504 ug/L	12:13:31
1	Pb 220.353†	33.0	-0.1	-1.90236	ug/L	-1.90236 ug/L	12:13:31
1	Sb 217.584†	-48.9	-1.8	-0.464856	ug/L	-0.464856 ug/L	12:13:31
1	Se 196.026†	-41.4	-6.2	-12.5503	ug/L	-12.5503 ug/L	12:13:31
1	Si 251.611†	22438.4	22407.4	2083.06	ug/L	2083.06 ug/L	12:13:10
1	Sn 189.927†	-35.5	-42.3	-16.1901	ug/L	-16.1901 ug/L	12:13:31
1	Tl 190.801†	-44.6	-6.1	-3.85136	ug/L	-3.85136 ug/L	12:13:31
1	V 292.395†	-979.1	331.5	8.19088	ug/L	8.19088 ug/L	12:13:31
1	Zn 206.200†	-17.0	49.7	2.89329	ug/L	2.89329 ug/L	12:13:31
2	Sc 357.234	188542.5	188542.5	101.324	%		12:12:44
2	Al 396.153†	1637.9	1439.7	445.493	ug/L	445.493 ug/L	12:12:44
2	Ba 455.398†	15839.9	15679.7	51.9740	ug/L	51.9740 ug/L	12:12:44
2	Ca 315.887†	27310.1	26836.8	17.7809	mg/L	17.7809 mg/L	12:12:44
2	Fe 238.204†	166.0	129.8	54.8547	ug/L	54.8547 ug/L	12:13:04
2	K 766.490	259.1	208.3	0.237904	mg/L	0.237904 mg/L	12:12:44
2	Li 670.784†	-50.7	12.1	-2.90119	ug/L	-2.90119 ug/L	12:12:44
2	Mg 279.071†	688.6	662.1	1.39632	mg/L	1.39632 mg/L	12:13:04
2	Na 589.592†	49695.0	48381.2	7.24829	mg/L	7.24829 mg/L	12:12:44
2	Sr 407.771†	37039.4	36401.7	44.8223	ug/L	44.8223 ug/L	12:12:44
2	Ti 334.940†	1018.8	1039.9	70.1439	ug/L	70.1439 ug/L	12:13:04
2	Y 360.076	233467.9	233467.9	99.2989	%		12:13:36
2	Ag 328.068†	79.6	-10.9	0.308975	ug/L	0.308975 ug/L	12:13:36
2	As 188.979†	-23.0	2.2	-5.74502	ug/L	-5.74502 ug/L	12:13:56
2	B 249.677†	12257.6	11677.1	631.983	ug/L	631.983 ug/L	12:13:36
2	Be 234.861†	-786.0	-10.1	-0.247147	ug/L	-0.247147 ug/L	12:13:56
2	Cd 214.437†	408.7	-0.1	-1.55417	ug/L	-1.55417 ug/L	12:13:56
2	Ce 413.764†	863.5	55.9	1.48722	ug/L	1.48722 ug/L	12:13:36
2	Co 228.616†	-76.6	5.4	-1.08897	ug/L	-1.08897 ug/L	12:13:56
2	Cr 205.557†	6.1	34.9	1.81760	ug/L	1.81760 ug/L	12:13:56
2	Cu 327.397†	192.0	189.4	5.70887	ug/L	5.70887 ug/L	12:13:36
2	Mn 257.610†	379.1	175.4	-0.261727	ug/L	-0.261727 ug/L	12:13:56
2	Mo 202.031†	184.6	95.9	13.2656	ug/L	13.2656 ug/L	12:13:56
2	Ni 231.604†	347.7	-3.6	-1.52939	ug/L	-1.52939 ug/L	12:13:56
2	Pb 220.353†	33.3	0.3	-1.68282	ug/L	-1.68282 ug/L	12:13:56
2	Sb 217.584†	-51.5	-4.4	-2.49981	ug/L	-2.49981 ug/L	12:13:56
2	Se 196.026†	-35.1	-0.0	4.00616	ug/L	4.00616 ug/L	12:13:56
2	Si 251.611†	22306.5	22326.7	2075.44	ug/L	2075.44 ug/L	12:13:36
2	Sn 189.927†	-36.8	-43.7	-16.8419	ug/L	-16.8419 ug/L	12:13:56
2	Tl 190.801†	-42.3	-4.0	-1.16226	ug/L	-1.16226 ug/L	12:13:56
2	V 292.395†	-995.1	313.1	7.79945	ug/L	7.79945 ug/L	12:13:56
2	Zn 206.200†	-14.6	52.1	3.14778	ug/L	3.14778 ug/L	12:13:56

Mean Data: 1002038-08

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	187812.5	100.931	%	0.5548				0.55%
Y 360.076	233738.3	99.4139	%	0.16268				0.16%

Ag 328.068†	-30.9	-0.0139770	ug/L	0.45672355	-0.0139770	ug/L	0.45672355 >999.9%
Al 396.153†	1446.3	447.614	ug/L	2.9994	447.614	ug/L	2.9994 0.67%
As 188.979†	3.5	-3.70957	ug/L	2.878563	-3.70957	ug/L	2.878563 77.60%
B 249.677†	11633.8	629.619	ug/L	3.3439	629.619	ug/L	3.3439 0.53%
Ba 455.398†	15683.6	51.9869	ug/L	0.01832	51.9869	ug/L	0.01832 0.04%
Be 234.861†	0.9	-0.191667	ug/L	0.0784612	-0.191667	ug/L	0.0784612 40.94%
Ca 315.887†	26814.1	17.7659	mg/L	0.02126	17.7659	mg/L	0.02126 0.12%
Cd 214.437†	2.5	-1.45497	ug/L	0.140294	-1.45497	ug/L	0.140294 9.64%
Ce 413.764†	27.4	0.716523	ug/L	1.0899270	0.716523	ug/L	1.0899270 152.11%
Co 228.616†	2.8	-1.49745	ug/L	0.577679	-1.49745	ug/L	0.577679 38.58%
Cr 205.557†	29.5	1.34831	ug/L	0.663673	1.34831	ug/L	0.663673 49.22%
Cu 327.397†	180.7	5.44206	ug/L	0.377314	5.44206	ug/L	0.377314 6.93%
Fe 238.204†	125.7	53.1251	ug/L	2.44607	53.1251	ug/L	2.44607 4.60%
K 766.490	200.6	0.227557	mg/L	0.0146324	0.227557	mg/L	0.0146324 6.43%
Li 670.784†	33.6	-2.28268	ug/L	0.874704	-2.28268	ug/L	0.874704 38.32%
Mg 279.071†	658.9	1.38945	mg/L	0.009712	1.38945	mg/L	0.009712 0.70%
Mn 257.610†	168.6	-0.308034	ug/L	0.0654878	-0.308034	ug/L	0.0654878 21.26%
Mo 202.031†	90.0	12.5165	ug/L	1.05934	12.5165	ug/L	1.05934 8.46%
Na 589.592†	48375.1	7.24738	mg/L	0.001296	7.24738	mg/L	0.001296 0.02%
Ni 231.604†	0.4	-1.19645	ug/L	0.470851	-1.19645	ug/L	0.470851 39.35%
Pb 220.353†	0.1	-1.79259	ug/L	0.155238	-1.79259	ug/L	0.155238 8.66%
Sb 217.584†	-3.1	-1.48234	ug/L	1.438933	-1.48234	ug/L	1.438933 97.07%
Se 196.026†	-3.1	-4.27206	ug/L	11.707177	-4.27206	ug/L	11.707177 274.04%
Si 251.611†	22367.0	2079.25	ug/L	5.388	2079.25	ug/L	5.388 0.26%
Sn 189.927†	-43.0	-16.5160	ug/L	0.46093	-16.5160	ug/L	0.46093 2.79%
Sr 407.771†	36381.9	44.7974	ug/L	0.03517	44.7974	ug/L	0.03517 0.08%
Ti 334.940†	1013.4	68.4020	ug/L	2.46337	68.4020	ug/L	2.46337 3.60%
Tl 190.801†	-5.0	-2.50681	ug/L	1.901482	-2.50681	ug/L	1.901482 75.85%
V 292.395†	322.3	7.99517	ug/L	0.276785	7.99517	ug/L	0.276785 3.46%
Zn 206.200†	50.9	3.02053	ug/L	0.179953	3.02053	ug/L	0.179953 5.96%

Sequence No.: 24 **Autosampler Location: 26**
Sample ID: 1002038-09 **Date Collected: 2/9/2010 12:15:13 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1002038-09

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	187644.4	187644.4	100.841	%			12:16:18
1	Al 396.153†	2647.9	2448.9	767.488	ug/L	767.488	ug/L	12:16:38
1	Ba 455.398†	15709.1	15624.8	51.7909	ug/L	51.7909	ug/L	12:16:18
1	Ca 315.887†	47972.6	47456.0	31.4544	mg/L	31.4544	mg/L	12:16:18
1	Fe 238.204†	4077.9	4009.9	1699.16	ug/L	1699.16	ug/L	12:16:38
1	K 766.490	614.1	563.3	0.714931	mg/L	0.714931	mg/L	12:16:38
1	Li 670.784†	74.3	135.8	0.648973	ug/L	0.648973	ug/L	12:16:38
1	Mg 279.071†	1531.3	1501.1	3.18556	mg/L	3.18556	mg/L	12:16:38
1	Na 589.592†	33330.5	32388.0	4.85120	mg/L	4.85120	mg/L	12:16:18
1	Sr 407.771†	46937.5	46392.2	57.3577	ug/L	57.3577	ug/L	12:16:18
1	Ti 334.940†	489.1	519.5	36.0286	ug/L	36.0286	ug/L	12:16:38
1	Y 360.076	232288.3	232288.3	98.7972	%			12:17:09
1	Ag 328.068†	62.2	-28.1	0.407531	ug/L	0.407531	ug/L	12:17:09
1	As 188.979†	-21.7	3.5	-3.50235	ug/L	-3.50235	ug/L	12:17:29
1	B 249.677†	6434.7	5846.0	313.505	ug/L	313.505	ug/L	12:17:09
1	Be 234.861†	-639.1	134.5	-0.0811388	ug/L	-0.0811388	ug/L	12:17:29
1	Cd 214.437†	414.4	7.8	-1.58354	ug/L	-1.58354	ug/L	12:17:29
1	Ce 413.764†	884.7	81.7	2.19779	ug/L	2.19779	ug/L	12:17:09
1	Co 228.616†	-84.7	-3.2	-2.40457	ug/L	-2.40457	ug/L	12:17:29
1	Cr 205.557†	-3.5	25.2	1.07060	ug/L	1.07060	ug/L	12:17:29
1	Cu 327.397†	96.4	93.6	2.76897	ug/L	2.76897	ug/L	12:17:09
1	Mn 257.610†	11277.3	11208.2	75.1527	ug/L	75.1527	ug/L	12:17:09
1	Mo 202.031†	164.8	76.8	10.8422	ug/L	10.8422	ug/L	12:17:29
1	Ni 231.604†	367.0	17.8	0.247852	ug/L	0.247852	ug/L	12:17:29
1	Pb 220.353†	34.6	1.8	-0.781219	ug/L	-0.781219	ug/L	12:17:29
1	Sb 217.584†	-60.6	-14.0	-4.93426	ug/L	-4.93426	ug/L	12:17:29
1	Se 196.026†	-42.1	-7.3	-13.5321	ug/L	-13.5321	ug/L	12:17:29
1	Si 251.611†	25910.7	26088.9	2427.83	ug/L	2427.83	ug/L	12:17:09
1	Sn 189.927†	-48.4	-55.7	-19.4613	ug/L	-19.4613	ug/L	12:17:29

1	Tl 190.801†	-38.0	0.2	3.58488 ug/L	3.58488 ug/L	12:17:29
1	V 292.395†	-1200.6	100.0	2.79798 ug/L	2.79798 ug/L	12:17:29
1	Zn 206.200†	-3.6	63.2	4.16113 ug/L	4.16113 ug/L	12:17:29
2	Sc 357.234	186101.3	186101.3	100.012 %		12:16:43
2	Al 396.153†	2642.3	2465.1	772.603 ug/L	772.603 ug/L	12:17:03
2	Ba 455.398†	15690.5	15735.4	52.1595 ug/L	52.1595 ug/L	12:16:43
2	Ca 315.887†	47736.0	47613.9	31.5591 mg/L	31.5591 mg/L	12:16:43
2	Fe 238.204†	4063.0	4028.5	1707.05 ug/L	1707.05 ug/L	12:17:03
2	K 766.490	627.4	576.6	0.732785 mg/L	0.732785 mg/L	12:17:03
2	Li 670.784†	83.6	145.7	0.934352 ug/L	0.934352 ug/L	12:17:03
2	Mg 279.071†	1532.6	1514.9	3.21515 mg/L	3.21515 mg/L	12:17:03
2	Na 589.592†	33184.4	32515.9	4.87037 mg/L	4.87037 mg/L	12:16:43
2	Sr 407.771†	46713.1	46553.8	57.5604 ug/L	57.5604 ug/L	12:16:43
2	Ti 334.940†	478.3	512.7	35.5848 ug/L	35.5848 ug/L	12:17:03
2	Y 360.076	233672.7	233672.7	99.3860 %		12:17:35
2	Ag 328.068†	50.0	-40.7	0.214722 ug/L	0.214722 ug/L	12:17:35
2	As 188.979†	-20.9	4.4	-1.99460 ug/L	-1.99460 ug/L	12:17:55
2	B 249.677†	6481.1	5854.1	313.945 ug/L	313.945 ug/L	12:17:35
2	Be 234.861†	-635.0	142.4	-0.0442105 ug/L	-0.0442105 ug/L	12:17:55
2	Cd 214.437†	423.0	13.9	-1.34744 ug/L	-1.34744 ug/L	12:17:55
2	Ce 413.764†	935.7	127.7	3.44176 ug/L	3.44176 ug/L	12:17:35
2	Co 228.616†	-76.2	5.9	-0.999531 ug/L	-0.999531 ug/L	12:17:55
2	Cr 205.557†	-7.8	20.9	0.691998 ug/L	0.691998 ug/L	12:17:55
2	Cu 327.397†	74.7	71.2	2.08618 ug/L	2.08618 ug/L	12:17:35
2	Mn 257.610†	11343.2	11206.9	75.1440 ug/L	75.1440 ug/L	12:17:35
2	Mo 202.031†	174.3	85.4	11.9347 ug/L	11.9347 ug/L	12:17:55
2	Ni 231.604†	372.7	21.3	0.540054 ug/L	0.540054 ug/L	12:17:55
2	Pb 220.353†	34.1	1.1	-1.17501 ug/L	-1.17501 ug/L	12:17:55
2	Sb 217.584†	-59.6	-12.6	-3.79819 ug/L	-3.79819 ug/L	12:17:55
2	Se 196.026†	-50.0	-15.0	-34.0677 ug/L	-34.0677 ug/L	12:17:55
2	Si 251.611†	26810.6	26839.0	2497.84 ug/L	2497.84 ug/L	12:17:35
2	Sn 189.927†	-53.8	-60.8	-21.8552 ug/L	-21.8552 ug/L	12:17:55
2	Tl 190.801†	-48.4	-10.0	-8.85871 ug/L	-8.85871 ug/L	12:17:55
2	V 292.395†	-1208.4	99.3	2.79364 ug/L	2.79364 ug/L	12:17:55
2	Zn 206.200†	-0.7	66.1	4.47664 ug/L	4.47664 ug/L	12:17:55

Mean Data: 1002038-09

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	186872.8	100.426	%	0.5864				0.58%
Y 360.076	232980.5	99.0916	%	0.41635				0.42%
Ag 328.068†	-34.4	0.311126	ug/L	0.1363366	0.311126	ug/L	0.1363366	43.82%
Al 396.153†	2457.0	770.045	ug/L	3.6162	770.045	ug/L	3.6162	0.47%
As 188.979†	3.9	-2.74848	ug/L	1.066144	-2.74848	ug/L	1.066144	38.79%
B 249.677†	5850.1	313.725	ug/L	0.3114	313.725	ug/L	0.3114	0.10%
Ba 455.398†	15680.1	51.9752	ug/L	0.26061	51.9752	ug/L	0.26061	0.50%
Be 234.861†	138.4	-0.0626746	ug/L	0.02611224	-0.0626746	ug/L	0.02611224	41.66%
Ca 315.887†	47534.9	31.5068	mg/L	0.07403	31.5068	mg/L	0.07403	0.23%
Cd 214.437†	10.8	-1.46549	ug/L	0.166945	-1.46549	ug/L	0.166945	11.39%
Ce 413.764†	104.7	2.81978	ug/L	0.879619	2.81978	ug/L	0.879619	31.19%
Co 228.616†	1.4	-1.70205	ug/L	0.993513	-1.70205	ug/L	0.993513	58.37%
Cr 205.557†	23.1	0.881301	ug/L	0.2677157	0.881301	ug/L	0.2677157	30.38%
Cu 327.397†	82.4	2.42758	ug/L	0.482800	2.42758	ug/L	0.482800	19.89%
Fe 238.204†	4019.2	1703.10	ug/L	5.579	1703.10	ug/L	5.579	0.33%
K 766.490	570.0	0.723858	mg/L	0.0126245	0.723858	mg/L	0.0126245	1.74%
Li 670.784†	140.7	0.791663	ug/L	0.2017937	0.791663	ug/L	0.2017937	25.49%
Mg 279.071†	1508.0	3.20035	mg/L	0.020926	3.20035	mg/L	0.020926	0.65%
Mn 257.610†	11207.6	75.1484	ug/L	0.00620	75.1484	ug/L	0.00620	0.01%
Mo 202.031†	81.1	11.3885	ug/L	0.77257	11.3885	ug/L	0.77257	6.78%
Na 589.592†	32451.9	4.86079	mg/L	0.013555	4.86079	mg/L	0.013555	0.28%
Ni 231.604†	19.5	0.393953	ug/L	0.2066177	0.393953	ug/L	0.2066177	52.45%
Pb 220.353†	1.5	-0.978113	ug/L	0.2784501	-0.978113	ug/L	0.2784501	28.47%
Sb 217.584†	-13.3	-4.36623	ug/L	0.803325	-4.36623	ug/L	0.803325	18.40%
Se 196.026†	-11.1	-23.7999	ug/L	14.52083	-23.7999	ug/L	14.52083	61.01%
Si 251.611†	26464.0	2462.84	ug/L	49.500	2462.84	ug/L	49.500	2.01%
Sn 189.927†	-58.2	-20.6582	ug/L	1.69275	-20.6582	ug/L	1.69275	8.19%
Sr 407.771†	46473.0	57.4591	ug/L	0.14336	57.4591	ug/L	0.14336	0.25%
Ti 334.940†	516.1	35.8067	ug/L	0.31379	35.8067	ug/L	0.31379	0.88%
Tl 190.801†	-4.9	-2.63692	ug/L	8.798950	-2.63692	ug/L	8.798950	333.68%
V 292.395†	99.7	2.79581	ug/L	0.003072	2.79581	ug/L	0.003072	0.11%

Zn 206.200†	64.7	4.31888 ug/L	0.223104	4.31888 ug/L	0.223104	5.17%

Sequence No.: 25
Sample ID: 0B09014-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 2/9/2010 12:19:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B09014-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	190213.4	190213.4	102.221	%			12:20:17
1	Al 396.153†	8297.9	7940.7	2487.34	ug/L	2487.34	ug/L	12:20:17
1	Ba 455.398†	153423.0	150135.6	500.140	ug/L	500.140	ug/L	12:20:17
1	Ca 315.887†	7796.4	7510.3	4.96477	mg/L	4.96477	mg/L	12:20:37
1	Fe 238.204†	1225.2	1164.6	492.837	ug/L	492.837	ug/L	12:20:37
1	K 766.490	3824.4	3773.6	5.02873	mg/L	5.02873	mg/L	12:20:37
1	Li 670.784†	18034.8	17704.9	504.956	ug/L	504.956	ug/L	12:20:17
1	Mg 279.071†	2427.6	2357.3	5.01177	mg/L	5.01177	mg/L	12:20:37
1	Na 589.592†	34844.3	33422.5	5.00625	mg/L	5.00625	mg/L	12:20:17
1	Sr 407.771†	407498.1	398488.5	499.141	ug/L	499.141	ug/L	12:20:17
1	Ti 334.940†	7643.8	7512.2	494.361	ug/L	494.361	ug/L	12:20:37
1	Y 360.076	239288.9	239288.9	101.775	%			12:21:08
1	Ag 328.068†	31667.0	31023.7	494.736	ug/L	494.736	ug/L	12:21:08
1	As 188.979†	1525.7	1524.6	2471.10	ug/L	2471.10	ug/L	12:21:28
1	B 249.677†	9644.5	8809.2	473.964	ug/L	473.964	ug/L	12:21:08
1	Be 234.861†	9327.3	9946.0	49.2361	ug/L	49.2361	ug/L	12:21:28
1	Cd 214.437†	13319.0	12675.1	490.568	ug/L	490.568	ug/L	12:21:28
1	Ce 413.764†	833.7	5.4	0.0538328	ug/L	0.0538328	ug/L	12:21:08
1	Co 228.616†	3157.5	3185.0	492.227	ug/L	492.227	ug/L	12:21:28
1	Cr 205.557†	5710.2	5639.4	492.886	ug/L	492.886	ug/L	12:21:28
1	Cu 327.397†	16498.0	16206.3	493.754	ug/L	493.754	ug/L	12:21:08
1	Mn 257.610†	74341.0	72838.3	496.031	ug/L	496.031	ug/L	12:21:08
1	Mo 202.031†	3995.6	3835.9	488.978	ug/L	488.978	ug/L	12:21:28
1	Ni 231.604†	6418.5	5952.9	495.057	ug/L	495.057	ug/L	12:21:28
1	Pb 220.353†	842.9	795.0	490.264	ug/L	490.264	ug/L	12:21:28
1	Sb 217.584†	3187.0	3178.8	2457.37	ug/L	2457.37	ug/L	12:21:28
1	Se 196.026†	893.0	912.8	2454.36	ug/L	2454.36	ug/L	12:21:28
1	Si 251.611†	27122.7	26512.5	2455.04	ug/L	2455.04	ug/L	12:21:08
1	Sn 189.927†	5324.4	5224.9	2452.17	ug/L	2452.17	ug/L	12:21:28
1	Tl 190.801†	2008.6	2012.2	2467.35	ug/L	2467.35	ug/L	12:21:28
1	V 292.395†	21349.5	22292.4	496.685	ug/L	496.685	ug/L	12:21:08
1	Zn 206.200†	4707.0	4691.7	491.966	ug/L	491.966	ug/L	12:21:28
2	Sc 357.234	191169.6	191169.6	102.735	%			12:20:42
2	Al 396.153†	8350.7	7951.5	2490.61	ug/L	2490.61	ug/L	12:20:42
2	Ba 455.398†	154460.7	150395.0	501.004	ug/L	501.004	ug/L	12:20:42
2	Ca 315.887†	7787.1	7463.2	4.93351	mg/L	4.93351	mg/L	12:21:02
2	Fe 238.204†	1228.9	1162.2	491.824	ug/L	491.824	ug/L	12:21:02
2	K 766.490	3807.5	3756.7	5.00604	mg/L	5.00604	mg/L	12:21:02
2	Li 670.784†	18128.4	17707.8	505.038	ug/L	505.038	ug/L	12:20:42
2	Mg 279.071†	2428.2	2346.0	4.98759	mg/L	4.98759	mg/L	12:21:02
2	Na 589.592†	35118.6	33519.0	5.02072	mg/L	5.02072	mg/L	12:20:42
2	Sr 407.771†	410428.1	399346.6	500.218	ug/L	500.218	ug/L	12:20:42
2	Ti 334.940†	7645.6	7476.5	492.020	ug/L	492.020	ug/L	12:21:02
2	Y 360.076	236664.9	236664.9	100.659	%			12:21:34
2	Ag 328.068†	31487.4	31190.3	497.392	ug/L	497.392	ug/L	12:21:34
2	As 188.979†	1517.1	1532.6	2484.21	ug/L	2484.21	ug/L	12:21:54
2	B 249.677†	9603.2	8873.3	477.452	ug/L	477.452	ug/L	12:21:34
2	Be 234.861†	9343.7	10064.0	49.8245	ug/L	49.8245	ug/L	12:21:54
2	Cd 214.437†	13323.5	12824.6	496.376	ug/L	496.376	ug/L	12:21:54
2	Ce 413.764†	842.2	22.9	0.530470	ug/L	0.530470	ug/L	12:21:34
2	Co 228.616†	3171.5	3233.3	499.741	ug/L	499.741	ug/L	12:21:54
2	Cr 205.557†	5737.2	5728.4	500.685	ug/L	500.685	ug/L	12:21:54
2	Cu 327.397†	16377.5	16266.4	495.580	ug/L	495.580	ug/L	12:21:34
2	Mn 257.610†	73642.9	72954.7	496.826	ug/L	496.826	ug/L	12:21:34
2	Mo 202.031†	4016.5	3900.2	497.157	ug/L	497.157	ug/L	12:21:54
2	Ni 231.604†	6415.2	6019.5	500.614	ug/L	500.614	ug/L	12:21:54
2	Pb 220.353†	842.5	803.7	495.695	ug/L	495.695	ug/L	12:21:54
2	Sb 217.584†	3203.4	3229.8	2496.76	ug/L	2496.76	ug/L	12:21:54

2	Se 196.026†	894.5	924.0	2484.65 ug/L	2484.65 ug/L	12:21:54
2	Si 251.611†	26954.6	26640.9	2467.09 ug/L	2467.09 ug/L	12:21:34
2	Sn 189.927†	5329.2	5287.6	2481.61 ug/L	2481.61 ug/L	12:21:54
2	Tl 190.801†	2004.2	2029.8	2488.78 ug/L	2488.78 ug/L	12:21:54
2	V 292.395†	21233.0	22409.3	499.345 ug/L	499.345 ug/L	12:21:34
2	Zn 206.200†	4719.0	4755.0	498.635 ug/L	498.635 ug/L	12:21:54

Mean Data: 0B09014-CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	190691.5	102.478	%	0.3633				0.35%
Y 360.076	237976.9	101.217	%	0.7892				0.78%
Ag 328.068†	31107.0	496.064	ug/L	1.8782	496.064	ug/L	1.8782	0.38%
QC value within limits for Ag 328.068 Recovery = 99.21%								
Al 396.153†	7946.1	2488.97	ug/L	2.317	2488.97	ug/L	2.317	0.09%
QC value within limits for Al 396.153 Recovery = 99.56%								
As 188.979†	1528.6	2477.66	ug/L	9.272	2477.66	ug/L	9.272	0.37%
QC value within limits for As 188.979 Recovery = 99.11%								
B 249.677†	8841.3	475.708	ug/L	2.4666	475.708	ug/L	2.4666	0.52%
QC value within limits for B 249.677 Recovery = 95.14%								
Ba 455.398†	150265.3	500.572	ug/L	0.6114	500.572	ug/L	0.6114	0.12%
QC value within limits for Ba 455.398 Recovery = 100.11%								
Be 234.861†	10005.0	49.5303	ug/L	0.41610	49.5303	ug/L	0.41610	0.84%
QC value within limits for Be 234.861 Recovery = 99.06%								
Ca 315.887†	7486.8	4.94914	mg/L	0.022109	4.94914	mg/L	0.022109	0.45%
QC value within limits for Ca 315.887 Recovery = 98.98%								
Cd 214.437†	12749.8	493.472	ug/L	4.1068	493.472	ug/L	4.1068	0.83%
QC value within limits for Cd 214.437 Recovery = 98.69%								
Ce 413.764†	14.2	0.292151	ug/L	0.3370335	0.292151	ug/L	0.3370335	115.36%
Co 228.616†	3209.1	495.984	ug/L	5.3134	495.984	ug/L	5.3134	1.07%
QC value within limits for Co 228.616 Recovery = 99.20%								
Cr 205.557†	5683.9	496.785	ug/L	5.5147	496.785	ug/L	5.5147	1.11%
QC value within limits for Cr 205.557 Recovery = 99.36%								
Cu 327.397†	16236.3	494.667	ug/L	1.2911	494.667	ug/L	1.2911	0.26%
QC value within limits for Cu 327.397 Recovery = 98.93%								
Fe 238.204†	1163.4	492.330	ug/L	0.7165	492.330	ug/L	0.7165	0.15%
QC value within limits for Fe 238.204 Recovery = 98.47%								
K 766.490	3765.2	5.01738	mg/L	0.016045	5.01738	mg/L	0.016045	0.32%
QC value within limits for K 766.490 Recovery = 100.35%								
Li 670.784†	17706.4	504.997	ug/L	0.0578	504.997	ug/L	0.0578	0.01%
QC value within limits for Li 670.784 Recovery = 101.00%								
Mg 279.071†	2351.7	4.99968	mg/L	0.017094	4.99968	mg/L	0.017094	0.34%
QC value within limits for Mg 279.071 Recovery = 99.99%								
Mn 257.610†	72896.5	496.429	ug/L	0.5619	496.429	ug/L	0.5619	0.11%
QC value within limits for Mn 257.610 Recovery = 99.29%								
Mo 202.031†	3868.0	493.067	ug/L	5.7832	493.067	ug/L	5.7832	1.17%
QC value within limits for Mo 202.031 Recovery = 98.61%								
Na 589.592†	33470.7	5.01348	mg/L	0.010227	5.01348	mg/L	0.010227	0.20%
QC value within limits for Na 589.592 Recovery = 100.27%								
Ni 231.604†	5986.2	497.836	ug/L	3.9292	497.836	ug/L	3.9292	0.79%
QC value within limits for Ni 231.604 Recovery = 99.57%								
Pb 220.353†	799.4	492.980	ug/L	3.8400	492.980	ug/L	3.8400	0.78%
QC value within limits for Pb 220.353 Recovery = 98.60%								
Sb 217.584†	3204.3	2477.07	ug/L	27.854	2477.07	ug/L	27.854	1.12%
QC value within limits for Sb 217.584 Recovery = 99.08%								
Se 196.026†	918.4	2469.50	ug/L	21.418	2469.50	ug/L	21.418	0.87%
QC value within limits for Se 196.026 Recovery = 98.78%								
Si 251.611†	26576.7	2461.07	ug/L	8.520	2461.07	ug/L	8.520	0.35%
QC value within limits for Si 251.611 Recovery = 98.44%								
Sn 189.927†	5256.2	2466.89	ug/L	20.811	2466.89	ug/L	20.811	0.84%
QC value within limits for Sn 189.927 Recovery = 98.68%								
Sr 407.771†	398917.6	499.679	ug/L	0.7614	499.679	ug/L	0.7614	0.15%
QC value within limits for Sr 407.771 Recovery = 99.94%								
Ti 334.940†	7494.3	493.190	ug/L	1.6553	493.190	ug/L	1.6553	0.34%
QC value within limits for Ti 334.940 Recovery = 98.64%								
Tl 190.801†	2021.0	2478.06	ug/L	15.154	2478.06	ug/L	15.154	0.61%
QC value within limits for Tl 190.801 Recovery = 99.12%								
V 292.395†	22350.8	498.015	ug/L	1.8813	498.015	ug/L	1.8813	0.38%
QC value within limits for V 292.395 Recovery = 99.60%								
Zn 206.200†	4723.3	495.300	ug/L	4.7161	495.300	ug/L	4.7161	0.95%

QC value within limits for Zn 206.200 Recovery = 99.06%
All analyte(s) passed QC.

Sequence No.: 26
Sample ID: 0B09014-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 2/9/2010 12:23:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B09014-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	190313.5	190313.5	102.275	%			12:24:16
1	Al 396.153†	184.1	3.1	-12.0814	ug/L	-12.0814	ug/L	12:24:16
1	Ba 455.398†	26.0	72.2	-0.0487421	ug/L	-0.0487421	ug/L	12:24:16
1	Ca 315.887†	118.6	-0.6	-0.0160544	mg/L	-0.0160544	mg/L	12:24:36
1	Fe 238.204†	34.7	-0.1	-0.0874688	ug/L	-0.0874688	ug/L	12:24:36
1	K 766.490	74.3	23.5	-0.0103836	mg/L	-0.0103836	mg/L	12:24:16
1	Li 670.784†	30.6	92.0	-0.608004	ug/L	-0.608004	ug/L	12:24:16
1	Mg 279.071†	13.5	-4.3	-0.0251306	mg/L	-0.0251306	mg/L	12:24:36
1	Na 589.592†	576.5	-101.0	-0.0182922	mg/L	-0.0182922	mg/L	12:24:16
1	Sr 407.771†	129.7	-27.1	-0.885677	ug/L	-0.885677	ug/L	12:24:16
1	Ti 334.940†	-19.8	15.1	2.97201	ug/L	2.97201	ug/L	12:24:36
1	Y 360.076	238356.4	238356.4	101.378	%			12:25:08
1	Ag 328.068†	97.1	4.8	0.334240	ug/L	0.334240	ug/L	12:25:08
1	As 188.979†	-20.6	5.1	-0.524865	ug/L	-0.524865	ug/L	12:25:28
1	B 249.677†	602.2	-73.0	-10.1683	ug/L	-10.1683	ug/L	12:25:28
1	Be 234.861†	-769.9	22.0	-0.0653735	ug/L	-0.0653735	ug/L	12:25:28
1	Cd 214.437†	405.7	-11.6	-1.97456	ug/L	-1.97456	ug/L	12:25:28
1	Ce 413.764†	786.9	-37.5	-1.01583	ug/L	-1.01583	ug/L	12:25:08
1	Co 228.616†	-76.9	6.7	-0.735472	ug/L	-0.735472	ug/L	12:25:28
1	Cr 205.557†	-29.4	-0.2	-1.26654	ug/L	-1.26654	ug/L	12:25:28
1	Cu 327.397†	-2.2	-6.1	-0.288746	ug/L	-0.288746	ug/L	12:25:08
1	Mn 257.610†	211.7	2.5	-1.44500	ug/L	-1.44500	ug/L	12:25:28
1	Mo 202.031†	91.0	-0.3	1.03750	ug/L	1.03750	ug/L	12:25:28
1	Ni 231.604†	351.8	-6.7	-1.81494	ug/L	-1.81494	ug/L	12:25:28
1	Pb 220.353†	35.1	1.4	-1.00556	ug/L	-1.00556	ug/L	12:25:28
1	Sb 217.584†	-40.6	7.3	6.44274	ug/L	6.44274	ug/L	12:25:28
1	Se 196.026†	-35.6	0.2	4.60302	ug/L	4.60302	ug/L	12:25:28
1	Si 251.611†	93.2	-45.3	-10.5014	ug/L	-10.5014	ug/L	12:25:28
1	Sn 189.927†	11.5	4.7	1.97433	ug/L	1.97433	ug/L	12:25:28
1	Tl 190.801†	-35.7	3.4	7.19858	ug/L	7.19858	ug/L	12:25:28
1	V 292.395†	-1318.1	15.1	1.15466	ug/L	1.15466	ug/L	12:25:28
1	Zn 206.200†	-47.7	19.8	-0.213229	ug/L	-0.213229	ug/L	12:25:28
2	Sc 357.234	190001.8	190001.8	102.108	%			12:24:41
2	Al 396.153†	206.1	25.0	-5.15188	ug/L	-5.15188	ug/L	12:24:41
2	Ba 455.398†	20.0	66.3	-0.0682454	ug/L	-0.0682454	ug/L	12:24:41
2	Ca 315.887†	118.3	-0.8	-0.0161681	mg/L	-0.0161681	mg/L	12:25:01
2	Fe 238.204†	40.4	5.5	2.27126	ug/L	2.27126	ug/L	12:25:01
2	K 766.490	97.1	46.3	0.0201822	mg/L	0.0201822	mg/L	12:24:41
2	Li 670.784†	32.0	93.4	-0.566807	ug/L	-0.566807	ug/L	12:24:41
2	Mg 279.071†	3.2	-14.4	-0.0464950	mg/L	-0.0464950	mg/L	12:25:01
2	Na 589.592†	587.2	-89.6	-0.0165810	mg/L	-0.0165810	mg/L	12:24:41
2	Sr 407.771†	123.6	-32.9	-0.892941	ug/L	-0.892941	ug/L	12:24:41
2	Ti 334.940†	-42.9	-7.5	1.48818	ug/L	1.48818	ug/L	12:25:01
2	Y 360.076	237258.2	237258.2	100.911	%			12:25:33
2	Ag 328.068†	66.1	-25.6	-0.143977	ug/L	-0.143977	ug/L	12:25:33
2	As 188.979†	-19.9	5.7	0.446538	ug/L	0.446538	ug/L	12:25:53
2	B 249.677†	555.2	-116.9	-12.5651	ug/L	-12.5651	ug/L	12:25:53
2	Be 234.861†	-774.7	13.6	-0.107861	ug/L	-0.107861	ug/L	12:25:53
2	Cd 214.437†	416.6	1.2	-1.48015	ug/L	-1.48015	ug/L	12:25:53
2	Ce 413.764†	819.1	-2.0	-0.0548673	ug/L	-0.0548673	ug/L	12:25:33
2	Co 228.616†	-74.0	9.3	-0.338155	ug/L	-0.338155	ug/L	12:25:53
2	Cr 205.557†	-32.8	-3.7	-1.56612	ug/L	-1.56612	ug/L	12:25:53
2	Cu 327.397†	21.4	17.3	0.422041	ug/L	0.422041	ug/L	12:25:33
2	Mn 257.610†	203.1	-5.0	-1.49613	ug/L	-1.49613	ug/L	12:25:53
2	Mo 202.031†	84.3	-6.5	0.247615	ug/L	0.247615	ug/L	12:25:53
2	Ni 231.604†	340.3	-16.5	-2.62867	ug/L	-2.62867	ug/L	12:25:53
2	Pb 220.353†	35.4	1.9	-0.714110	ug/L	-0.714110	ug/L	12:25:53

2	Sb 217.584†	-37.2	10.5	8.89434 ug/L	8.89434 ug/L	12:25:53
2	Se 196.026†	-37.0	-1.3	0.524106 ug/L	0.524106 ug/L	12:25:53
2	Si 251.611†	81.0	-57.0	-11.5528 ug/L	-11.5528 ug/L	12:25:53
2	Sn 189.927†	11.9	5.1	2.15785 ug/L	2.15785 ug/L	12:25:53
2	Tl 190.801†	-40.1	-1.1	1.65447 ug/L	1.65447 ug/L	12:25:53
2	V 292.395†	-1321.1	6.1	0.949230 ug/L	0.949230 ug/L	12:25:53
2	Zn 206.200†	-59.8	7.6	-1.49951 ug/L	-1.49951 ug/L	12:25:53

Mean Data: 0B09014-CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	190157.6	102.191	%	0.1184				0.12%
Y 360.076	237807.3	101.145	%	0.3303				0.33%
Ag 328.068†	-10.4	0.0951316	ug/L	0.33815080	0.0951316	ug/L	0.33815080	355.46%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	14.1	-8.61664	ug/L	4.899908	-8.61664	ug/L	4.899908	56.87%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	5.4	-0.0391636	ug/L	0.68688572	-0.0391636	ug/L	0.68688572	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-94.9	-11.3667	ug/L	1.69483	-11.3667	ug/L	1.69483	14.91%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	69.3	-0.0584938	ug/L	0.01379093	-0.0584938	ug/L	0.01379093	23.58%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	17.8	-0.0866174	ug/L	0.03004337	-0.0866174	ug/L	0.03004337	34.69%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	-0.7	-0.0161112	mg/L	0.00008040	-0.0161112	mg/L	0.00008040	0.50%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	-5.2	-1.72735	ug/L	0.349598	-1.72735	ug/L	0.349598	20.24%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	-19.8	-0.535349	ug/L	0.6795031	-0.535349	ug/L	0.6795031	126.93%
Co 228.616†	8.0	-0.536814	ug/L	0.2809459	-0.536814	ug/L	0.2809459	52.34%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	-2.0	-1.41633	ug/L	0.211835	-1.41633	ug/L	0.211835	14.96%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	5.6	0.0666479	ug/L	0.50260237	0.0666479	ug/L	0.50260237	754.12%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	2.7	1.09190	ug/L	1.667872	1.09190	ug/L	1.667872	152.75%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	34.9	0.0048993	mg/L	0.02161329	0.0048993	mg/L	0.02161329	441.15%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	92.7	-0.587405	ug/L	0.0291306	-0.587405	ug/L	0.0291306	4.96%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	-9.4	-0.0358128	mg/L	0.01510688	-0.0358128	mg/L	0.01510688	42.18%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	-1.3	-1.47056	ug/L	0.036155	-1.47056	ug/L	0.036155	2.46%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-3.4	0.642556	ug/L	0.5585311	0.642556	ug/L	0.5585311	86.92%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-95.3	-0.0174366	mg/L	0.00121003	-0.0174366	mg/L	0.00121003	6.94%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-11.6	-2.22181	ug/L	0.575395	-2.22181	ug/L	0.575395	25.90%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	1.7	-0.859837	ug/L	0.2060882	-0.859837	ug/L	0.2060882	23.97%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	8.9	7.66854	ug/L	1.733545	7.66854	ug/L	1.733545	22.61%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	-0.6	2.56356	ug/L	2.884229	2.56356	ug/L	2.884229	112.51%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	-51.2	-11.0271	ug/L	0.74340	-11.0271	ug/L	0.74340	6.74%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	4.9	2.06609	ug/L	0.129771	2.06609	ug/L	0.129771	6.28%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	-30.0	-0.889309	ug/L	0.0051362	-0.889309	ug/L	0.0051362	0.58%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	3.8	2.23009	ug/L	1.049226	2.23009	ug/L	1.049226	47.05%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	1.2	4.42653	ug/L	3.920279	4.42653	ug/L	3.920279	88.56%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	10.6	1.05195	ug/L	0.145262	1.05195	ug/L	0.145262	13.81%
QC value within limits for V 292.395 Recovery = Not calculated								

Zn 206.200† 13.7 -0.856370 ug/L 0.9095395 -0.856370 ug/L 0.9095395 106.21%
QC value within limits for Zn 206.200 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 27
Sample ID: 1002038-10
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 27
Date Collected: 2/9/2010 12:27:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002038-10

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	188791.1	188791.1	101.457	%			12:28:13
1	Al 396.153†	5785.7	5525.7	1732.53	ug/L	1732.53	ug/L	12:28:33
1	Ba 455.398†	5273.8	5244.8	17.1926	ug/L	17.1926	ug/L	12:28:13
1	Ca 315.887†	881.4	752.1	0.483093	mg/L	0.483093	mg/L	12:28:33
1	Fe 238.204†	3388.1	3305.4	1400.74	ug/L	1400.74	ug/L	12:28:33
1	K 766.490	500.0	449.2	0.561573	mg/L	0.561573	mg/L	12:28:33
1	Li 670.784†	69.0	130.1	0.485911	ug/L	0.485911	ug/L	12:28:33
1	Mg 279.071†	185.8	165.6	0.337411	mg/L	0.337411	mg/L	12:28:33
1	Na 589.592†	48230.6	46873.3	7.02229	mg/L	7.02229	mg/L	12:28:13
1	Sr 407.771†	1033.2	864.4	0.232953	ug/L	0.232953	ug/L	12:28:33
1	Ti 334.940†	503.0	530.3	36.7361	ug/L	36.7361	ug/L	12:28:33
1	Y 360.076	234440.9	234440.9	99.7127	%			12:29:05
1	Ag 328.068†	34.9	-56.0	-0.433646	ug/L	-0.433646	ug/L	12:29:05
1	As 188.979†	-12.1	13.3	12.4969	ug/L	12.4969	ug/L	12:29:25
1	B 249.677†	12046.7	11414.4	617.804	ug/L	617.804	ug/L	12:29:05
1	Be 234.861†	-661.8	117.7	-0.0711619	ug/L	-0.0711619	ug/L	12:29:05
1	Cd 214.437†	421.4	11.0	-1.47466	ug/L	-1.47466	ug/L	12:29:25
1	Ce 413.764†	868.1	56.8	1.52364	ug/L	1.52364	ug/L	12:29:05
1	Co 228.616†	-88.3	-6.0	-2.83538	ug/L	-2.83538	ug/L	12:29:25
1	Cr 205.557†	-3.2	25.6	1.08276	ug/L	1.08276	ug/L	12:29:25
1	Cu 327.397†	62.7	58.9	1.71213	ug/L	1.71213	ug/L	12:29:05
1	Mn 257.610†	18901.1	18749.2	126.645	ug/L	126.645	ug/L	12:29:05
1	Mo 202.031†	88.9	-0.8	0.963358	ug/L	0.963358	ug/L	12:29:25
1	Ni 231.604†	362.5	9.9	-0.428950	ug/L	-0.428950	ug/L	12:29:25
1	Pb 220.353†	43.7	10.6	4.71926	ug/L	4.71926	ug/L	12:29:25
1	Sb 217.584†	-58.9	-11.7	-4.04240	ug/L	-4.04240	ug/L	12:29:25
1	Se 196.026†	-46.3	-11.1	-24.0960	ug/L	-24.0960	ug/L	12:29:25
1	Si 251.611†	38717.3	38691.6	3603.78	ug/L	3603.78	ug/L	12:29:05
1	Sn 189.927†	-0.4	-7.1	-3.41920	ug/L	-3.41920	ug/L	12:29:25
1	Tl 190.801†	-46.3	-7.7	-6.09378	ug/L	-6.09378	ug/L	12:29:25
1	V 292.395†	-1214.9	96.9	2.67813	ug/L	2.67813	ug/L	12:29:05
1	Zn 206.200†	70.2	137.2	12.0206	ug/L	12.0206	ug/L	12:29:25
2	Sc 357.234	189724.0	189724.0	101.958	%			12:28:38
2	Al 396.153†	5801.2	5512.9	1728.49	ug/L	1728.49	ug/L	12:28:58
2	Ba 455.398†	5312.7	5257.4	17.2345	ug/L	17.2345	ug/L	12:28:38
2	Ca 315.887†	886.0	752.4	0.483287	mg/L	0.483287	mg/L	12:28:58
2	Fe 238.204†	3387.9	3288.7	1393.67	ug/L	1393.67	ug/L	12:28:58
2	K 766.490	499.6	448.9	0.561145	mg/L	0.561145	mg/L	12:28:58
2	Li 670.784†	53.3	114.3	0.0336994	ug/L	0.0336994	ug/L	12:28:58
2	Mg 279.071†	188.5	167.4	0.341079	mg/L	0.341079	mg/L	12:28:58
2	Na 589.592†	48639.0	47040.1	7.04728	mg/L	7.04728	mg/L	12:28:38
2	Sr 407.771†	1033.3	859.5	0.226795	ug/L	0.226795	ug/L	12:28:58
2	Ti 334.940†	509.2	533.9	36.9740	ug/L	36.9740	ug/L	12:28:58
2	Y 360.076	235441.4	235441.4	100.138	%			12:29:30
2	Ag 328.068†	142.3	51.0	1.27125	ug/L	1.27125	ug/L	12:29:30
2	As 188.979†	-21.6	3.9	-2.80507	ug/L	-2.80507	ug/L	12:29:50
2	B 249.677†	12081.7	11398.0	616.899	ug/L	616.899	ug/L	12:29:30
2	Be 234.861†	-669.6	112.7	-0.0935511	ug/L	-0.0935511	ug/L	12:29:30
2	Cd 214.437†	424.5	12.2	-1.42430	ug/L	-1.42430	ug/L	12:29:50
2	Ce 413.764†	866.6	51.7	1.38588	ug/L	1.38588	ug/L	12:29:30
2	Co 228.616†	-70.0	12.6	0.0609779	ug/L	0.0609779	ug/L	12:29:50
2	Cr 205.557†	2.5	31.3	1.58637	ug/L	1.58637	ug/L	12:29:50
2	Cu 327.397†	86.0	81.9	2.41431	ug/L	2.41431	ug/L	12:29:30
2	Mn 257.610†	18985.6	18753.0	126.671	ug/L	126.671	ug/L	12:29:30
2	Mo 202.031†	88.7	-1.5	0.883007	ug/L	0.883007	ug/L	12:29:50
2	Ni 231.604†	368.8	14.6	-0.0361976	ug/L	-0.0361976	ug/L	12:29:50

2	Pb 220.353†	37.2	3.9	0.552717 ug/L	0.552717 ug/L	12:29:50
2	Sb 217.584†	-57.1	-9.6	-2.46470 ug/L	-2.46470 ug/L	12:29:50
2	Se 196.026†	-36.9	-1.5	1.76404 ug/L	1.76404 ug/L	12:29:50
2	Si 251.611†	38887.8	38696.8	3604.26 ug/L	3604.26 ug/L	12:29:30
2	Sn 189.927†	-1.7	-8.4	-4.05168 ug/L	-4.05168 ug/L	12:29:50
2	Tl 190.801†	-40.5	-1.7	1.24581 ug/L	1.24581 ug/L	12:29:50
2	V 292.395†	-1125.7	191.1	4.75462 ug/L	4.75462 ug/L	12:29:30
2	Zn 206.200†	64.0	130.7	11.3449 ug/L	11.3449 ug/L	12:29:50

Mean Data: 1002038-10

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	189257.5	101.708	%	0.3545				0.35%
Y 360.076	234941.1	99.9255	%	0.30092				0.30%
Ag 328.068†	-2.5	0.418800	ug/L	1.2055409	0.418800	ug/L	1.2055409	287.86%
Al 396.153†	5519.3	1730.51	ug/L	2.857	1730.51	ug/L	2.857	0.17%
As 188.979†	8.6	4.84594	ug/L	10.820159	4.84594	ug/L	10.820159	223.28%
B 249.677†	11406.2	617.352	ug/L	0.6402	617.352	ug/L	0.6402	0.10%
Ba 455.398†	5251.1	17.2135	ug/L	0.02961	17.2135	ug/L	0.02961	0.17%
Be 234.861†	115.2	-0.0823565	ug/L	0.01583156	-0.0823565	ug/L	0.01583156	19.22%
Ca 315.887†	752.2	0.483190	mg/L	0.0001373	0.483190	mg/L	0.0001373	0.03%
Cd 214.437†	11.6	-1.44948	ug/L	0.035610	-1.44948	ug/L	0.035610	2.46%
Ce 413.764†	54.3	1.45476	ug/L	0.097411	1.45476	ug/L	0.097411	6.70%
Co 228.616†	3.3	-1.38720	ug/L	2.048038	-1.38720	ug/L	2.048038	147.64%
Cr 205.557†	28.5	1.33456	ug/L	0.356110	1.33456	ug/L	0.356110	26.68%
Cu 327.397†	70.4	2.06322	ug/L	0.496520	2.06322	ug/L	0.496520	24.07%
Fe 238.204†	3297.1	1397.20	ug/L	5.002	1397.20	ug/L	5.002	0.36%
K 766.490	449.0	0.561359	mg/L	0.0003031	0.561359	mg/L	0.0003031	0.05%
Li 670.784†	122.2	0.259805	ug/L	0.3197619	0.259805	ug/L	0.3197619	123.08%
Mg 279.071†	166.5	0.339245	mg/L	0.0025932	0.339245	mg/L	0.0025932	0.76%
Mn 257.610†	18751.1	126.658	ug/L	0.0180	126.658	ug/L	0.0180	0.01%
Mo 202.031†	-1.2	0.923183	ug/L	0.0568173	0.923183	ug/L	0.0568173	6.15%
Na 589.592†	46956.7	7.03478	mg/L	0.017673	7.03478	mg/L	0.017673	0.25%
Ni 231.604†	12.2	-0.232574	ug/L	0.2777180	-0.232574	ug/L	0.2777180	119.41%
Pb 220.353†	7.3	2.63599	ug/L	2.946194	2.63599	ug/L	2.946194	111.77%
Sb 217.584†	-10.7	-3.25355	ug/L	1.115606	-3.25355	ug/L	1.115606	34.29%
Se 196.026†	-6.3	-11.1660	ug/L	18.28582	-11.1660	ug/L	18.28582	163.76%
Si 251.611†	38694.2	3604.02	ug/L	0.342	3604.02	ug/L	0.342	0.01%
Sn 189.927†	-7.7	-3.73544	ug/L	0.447235	-3.73544	ug/L	0.447235	11.97%
Sr 407.771†	862.0	0.229874	ug/L	0.0043543	0.229874	ug/L	0.0043543	1.89%
Ti 334.940†	532.1	36.8551	ug/L	0.16819	36.8551	ug/L	0.16819	0.46%
Tl 190.801†	-4.7	-2.42398	ug/L	5.189877	-2.42398	ug/L	5.189877	214.11%
V 292.395†	144.0	3.71638	ug/L	1.468298	3.71638	ug/L	1.468298	39.51%
Zn 206.200†	134.0	11.6827	ug/L	0.47777	11.6827	ug/L	0.47777	4.09%

==========

Sequence No.: 28
Sample ID: 1002038-11
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 28
Date Collected: 2/9/2010 12:31:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002038-11

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	189052.8	189052.8	101.598	%			12:32:08
1	Al 396.153†	543.5	358.0	101.769	ug/L	101.769	ug/L	12:32:08
1	Ba 455.398†	2262.7	2273.9	7.28986	ug/L	7.28986	ug/L	12:32:08
1	Ca 315.887†	12048.4	11742.3	7.77116	mg/L	7.77116	mg/L	12:32:08
1	Fe 238.204†	63.1	28.1	11.7270	ug/L	11.7270	ug/L	12:32:28
1	K 766.490	219.9	169.1	0.185186	mg/L	0.185186	mg/L	12:32:08
1	Li 670.784†	-60.6	2.4	-3.17856	ug/L	-3.17856	ug/L	12:32:08
1	Mg 279.071†	1059.8	1025.6	2.17154	mg/L	2.17154	mg/L	12:32:28
1	Na 589.592†	25818.4	24747.7	3.70607	mg/L	3.70607	mg/L	12:32:08
1	Sr 407.771†	11753.1	11414.4	13.4702	ug/L	13.4702	ug/L	12:32:08
1	Ti 334.940†	-35.9	-0.9	1.92222	ug/L	1.92222	ug/L	12:32:28
1	Y 360.076	231755.0	231755.0	98.5704	%			12:32:59
1	Ag 328.068†	30.0	-60.6	-0.599691	ug/L	-0.599691	ug/L	12:32:59
1	As 188.979†	-21.5	3.6	-2.98913	ug/L	-2.98913	ug/L	12:33:19

1	B 249.677†	799.6	144.1	1.70395 ug/L	1.70395 ug/L	12:33:19
1	Be 234.861†	-778.9	-8.8	-0.223496 ug/L	-0.223496 ug/L	12:33:19
1	Cd 214.437†	407.5	1.7	-1.47260 ug/L	-1.47260 ug/L	12:33:19
1	Ce 413.764†	894.7	93.9	2.54076 ug/L	2.54076 ug/L	12:32:59
1	Co 228.616†	-82.6	-1.3	-1.98181 ug/L	-1.98181 ug/L	12:33:19
1	Cr 205.557†	-31.1	-2.7	-1.48418 ug/L	-1.48418 ug/L	12:33:19
1	Cu 327.397†	46.3	43.0	1.20636 ug/L	1.20636 ug/L	12:32:59
1	Mn 257.610†	311.7	109.9	-0.710570 ug/L	-0.710570 ug/L	12:33:19
1	Mo 202.031†	105.1	16.7	3.19040 ug/L	3.19040 ug/L	12:33:19
1	Ni 231.604†	362.7	14.3	-0.0576999 ug/L	-0.0576999 ug/L	12:33:19
1	Pb 220.353†	39.4	6.8	2.29031 ug/L	2.29031 ug/L	12:33:19
1	Sb 217.584†	-44.7	2.0	2.36713 ug/L	2.36713 ug/L	12:33:19
1	Se 196.026†	-34.4	0.4	5.18450 ug/L	5.18450 ug/L	12:33:19
1	Si 251.611†	16194.5	16292.1	1514.08 ug/L	1514.08 ug/L	12:32:59
1	Sn 189.927†	-9.4	-16.3	-6.14668 ug/L	-6.14668 ug/L	12:33:19
1	Tl 190.801†	-36.8	1.3	4.65263 ug/L	4.65263 ug/L	12:33:19
1	V 292.395†	-1290.4	6.2	0.979769 ug/L	0.979769 ug/L	12:33:19
1	Zn 206.200†	-2.2	64.6	4.45023 ug/L	4.45023 ug/L	12:33:19
2	Sc 357.234	189339.2	189339.2	101.752 %		12:32:33
2	Al 396.153†	531.5	345.5	97.7981 ug/L	97.7981 ug/L	12:32:33
2	Ba 455.398†	2261.2	2269.0	7.27364 ug/L	7.27364 ug/L	12:32:33
2	Ca 315.887†	12039.2	11715.4	7.75330 mg/L	7.75330 mg/L	12:32:33
2	Fe 238.204†	61.7	26.6	11.1023 ug/L	11.1023 ug/L	12:32:53
2	K 766.490	296.7	245.9	0.288483 mg/L	0.288483 mg/L	12:32:33
2	Li 670.784†	3.7	65.7	-1.36068 ug/L	-1.36068 ug/L	12:32:33
2	Mg 279.071†	1051.7	1016.1	2.15129 mg/L	2.15129 mg/L	12:32:53
2	Na 589.592†	25904.1	24793.5	3.71293 mg/L	3.71293 mg/L	12:32:33
2	Sr 407.771†	11718.6	11363.0	13.4057 ug/L	13.4057 ug/L	12:32:33
2	Ti 334.940†	-17.1	17.7	3.13855 ug/L	3.13855 ug/L	12:32:53
2	Y 360.076	235835.6	235835.6	100.306 %		12:33:24
2	Ag 328.068†	55.6	-35.6	-0.207390 ug/L	-0.207390 ug/L	12:33:24
2	As 188.979†	-21.3	4.2	-2.02691 ug/L	-2.02691 ug/L	12:33:44
2	B 249.677†	788.6	119.1	0.339348 ug/L	0.339348 ug/L	12:33:44
2	Be 234.861†	-777.1	6.6	-0.146572 ug/L	-0.146572 ug/L	12:33:44
2	Cd 214.437†	408.2	-4.8	-1.72205 ug/L	-1.72205 ug/L	12:33:44
2	Ce 413.764†	863.8	47.4	1.28267 ug/L	1.28267 ug/L	12:33:24
2	Co 228.616†	-86.1	-3.3	-2.28820 ug/L	-2.28820 ug/L	12:33:44
2	Cr 205.557†	-24.9	4.0	-0.893370 ug/L	-0.893370 ug/L	12:33:44
2	Cu 327.397†	64.6	60.4	1.73896 ug/L	1.73896 ug/L	12:33:24
2	Mn 257.610†	293.9	86.7	-0.869262 ug/L	-0.869262 ug/L	12:33:44
2	Mo 202.031†	108.4	18.1	3.36931 ug/L	3.36931 ug/L	12:33:44
2	Ni 231.604†	358.4	3.6	-0.945452 ug/L	-0.945452 ug/L	12:33:44
2	Pb 220.353†	31.1	-2.2	-3.28444 ug/L	-3.28444 ug/L	12:33:44
2	Sb 217.584†	-47.0	0.6	1.23978 ug/L	1.23978 ug/L	12:33:44
2	Se 196.026†	-44.2	-8.8	-19.4535 ug/L	-19.4535 ug/L	12:33:44
2	Si 251.611†	16522.9	16335.3	1518.08 ug/L	1518.08 ug/L	12:33:24
2	Sn 189.927†	-15.8	-22.5	-9.06186 ug/L	-9.06186 ug/L	12:33:44
2	Tl 190.801†	-42.0	-3.2	-0.852811 ug/L	-0.852811 ug/L	12:33:44
2	V 292.395†	-1287.9	31.3	1.53448 ug/L	1.53448 ug/L	12:33:44
2	Zn 206.200†	-6.9	59.9	3.95575 ug/L	3.95575 ug/L	12:33:44

Mean Data: 1002038-11

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	189196.0	101.675	%	0.1089				0.11%
Y 360.076	233795.3	99.4382	%	1.22721				1.23%
Ag 328.068†	-48.1	-0.403540	ug/L	0.2773990	-0.403540	ug/L	0.2773990	68.74%
Al 396.153†	351.8	99.7837	ug/L	2.80808	99.7837	ug/L	2.80808	2.81%
As 188.979†	3.9	-2.50802	ug/L	0.680390	-2.50802	ug/L	0.680390	27.13%
B 249.677†	131.6	1.02165	ug/L	0.964921	1.02165	ug/L	0.964921	94.45%
Ba 455.398†	2271.4	7.28175	ug/L	0.011469	7.28175	ug/L	0.011469	0.16%
Be 234.861†	-1.1	-0.185034	ug/L	0.0543934	-0.185034	ug/L	0.0543934	29.40%
Ca 315.887†	11728.8	7.76223	mg/L	0.012629	7.76223	mg/L	0.012629	0.16%
Cd 214.437†	-1.6	-1.59733	ug/L	0.176382	-1.59733	ug/L	0.176382	11.04%
Ce 413.764†	70.7	1.91172	ug/L	0.889609	1.91172	ug/L	0.889609	46.53%
Co 228.616†	-2.3	-2.13500	ug/L	0.216651	-2.13500	ug/L	0.216651	10.15%
Cr 205.557†	0.6	-1.18877	ug/L	0.417766	-1.18877	ug/L	0.417766	35.14%
Cu 327.397†	51.7	1.47266	ug/L	0.376606	1.47266	ug/L	0.376606	25.57%
Fe 238.204†	27.4	11.4146	ug/L	0.44169	11.4146	ug/L	0.44169	3.87%
K 766.490	207.5	0.236834	mg/L	0.0730422	0.236834	mg/L	0.0730422	30.84%

Li 670.784†	34.1	-2.26962	ug/L	1.285441	-2.26962	ug/L	1.285441 56.64%
Mg 279.071†	1020.9	2.16142	mg/L	0.014315	2.16142	mg/L	0.014315 0.66%
Mn 257.610†	98.3	-0.789916	ug/L	0.1122121	-0.789916	ug/L	0.1122121 14.21%
Mo 202.031†	17.4	3.27985	ug/L	0.126505	3.27985	ug/L	0.126505 3.86%
Na 589.592†	24770.6	3.70950	mg/L	0.004848	3.70950	mg/L	0.004848 0.13%
Ni 231.604†	9.0	-0.501576	ug/L	0.6277355	-0.501576	ug/L	0.6277355 125.15%
Pb 220.353†	2.3	-0.497062	ug/L	3.9419443	-0.497062	ug/L	3.9419443 793.05%
Sb 217.584†	1.3	1.80346	ug/L	0.797159	1.80346	ug/L	0.797159 44.20%
Se 196.026†	-4.2	-7.13449	ug/L	17.421676	-7.13449	ug/L	17.421676 244.19%
Si 251.611†	16313.7	1516.08	ug/L	2.826	1516.08	ug/L	2.826 0.19%
Sn 189.927†	-19.4	-7.60427	ug/L	2.061350	-7.60427	ug/L	2.061350 27.11%
Sr 407.771†	11388.7	13.4380	ug/L	0.04563	13.4380	ug/L	0.04563 0.34%
Ti 334.940†	8.4	2.53038	ug/L	0.860070	2.53038	ug/L	0.860070 33.99%
Tl 190.801†	-0.9	1.89991	ug/L	3.892932	1.89991	ug/L	3.892932 204.90%
V 292.395†	18.7	1.25712	ug/L	0.392239	1.25712	ug/L	0.392239 31.20%
Zn 206.200†	62.3	4.20299	ug/L	0.349650	4.20299	ug/L	0.349650 8.32%

Sequence No.: 29 **Autosampler Location: 29**
Sample ID: 1002038-12 **Date Collected: 2/9/2010 12:35:00 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1002038-12

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	188534.7	188534.7	101.319	%			12:36:05
1	Al 396.153†	970.5	781.0	236.232	ug/L	236.232	ug/L	12:36:25
1	Ba 455.398†	9469.0	9392.5	31.0174	ug/L	31.0174	ug/L	12:36:05
1	Ca 315.887†	18064.0	17712.2	11.7300	mg/L	11.7300	mg/L	12:36:05
1	Fe 238.204†	526.1	485.2	205.457	ug/L	205.457	ug/L	12:36:25
1	K 766.490	1098.7	1047.9	1.36612	mg/L	1.36612	mg/L	12:36:05
1	Li 670.784†	-10.6	51.6	-1.76767	ug/L	-1.76767	ug/L	12:36:05
1	Mg 279.071†	913.3	883.9	1.86922	mg/L	1.86922	mg/L	12:36:25
1	Na 589.592†	23376.7	22407.7	3.35534	mg/L	3.35534	mg/L	12:36:05
1	Sr 407.771†	26476.0	25977.4	31.7427	ug/L	31.7427	ug/L	12:36:05
1	Ti 334.940†	37.1	71.1	6.64051	ug/L	6.64051	ug/L	12:36:25
1	Y 360.076	234146.5	234146.5	99.5875	%			12:36:56
1	Ag 328.068†	78.1	-12.6	0.221409	ug/L	0.221409	ug/L	12:36:56
1	As 188.979†	-8.7	16.7	18.2667	ug/L	18.2667	ug/L	12:37:16
1	B 249.677†	800.4	136.7	1.32082	ug/L	1.32082	ug/L	12:37:16
1	Be 234.861†	-761.1	17.1	-0.160604	ug/L	-0.160604	ug/L	12:37:16
1	Cd 214.437†	410.0	0.0	-1.57932	ug/L	-1.57932	ug/L	12:37:16
1	Ce 413.764†	796.7	-13.7	-0.373173	ug/L	-0.373173	ug/L	12:36:56
1	Co 228.616†	-89.9	-7.8	-3.00435	ug/L	-3.00435	ug/L	12:37:16
1	Cr 205.557†	-17.4	11.3	-0.243938	ug/L	-0.243938	ug/L	12:37:16
1	Cu 327.397†	50.3	46.5	1.31732	ug/L	1.31732	ug/L	12:36:56
1	Mn 257.610†	675.3	471.8	1.76810	ug/L	1.76810	ug/L	12:37:16
1	Mo 202.031†	119.5	29.9	4.88007	ug/L	4.88007	ug/L	12:37:16
1	Ni 231.604†	362.4	10.2	-0.392705	ug/L	-0.392705	ug/L	12:37:16
1	Pb 220.353†	33.7	0.7	-1.48762	ug/L	-1.48762	ug/L	12:37:16
1	Sb 217.584†	-38.7	8.5	7.97128	ug/L	7.97128	ug/L	12:37:16
1	Se 196.026†	-36.6	-1.4	0.410011	ug/L	0.410011	ug/L	12:37:16
1	Si 251.611†	17201.1	17135.1	1592.68	ug/L	1592.68	ug/L	12:36:56
1	Sn 189.927†	-16.6	-23.3	-8.60489	ug/L	-8.60489	ug/L	12:37:16
1	Tl 190.801†	-48.0	-9.5	-8.55607	ug/L	-8.55607	ug/L	12:37:16
1	V 292.395†	-1241.1	69.0	2.34375	ug/L	2.34375	ug/L	12:37:16
1	Zn 206.200†	-20.2	46.5	2.53980	ug/L	2.53980	ug/L	12:37:16
2	Sc 357.234	191302.2	191302.2	102.807	%			12:36:30
2	Al 396.153†	959.0	756.0	228.308	ug/L	228.308	ug/L	12:36:50
2	Ba 455.398†	9521.4	9308.2	30.7365	ug/L	30.7365	ug/L	12:36:30
2	Ca 315.887†	18196.9	17583.5	11.6447	mg/L	11.6447	mg/L	12:36:30
2	Fe 238.204†	537.0	488.3	206.784	ug/L	206.784	ug/L	12:36:50
2	K 766.490	1161.9	1111.1	1.45102	mg/L	1.45102	mg/L	12:36:30
2	Li 670.784†	12.0	73.8	-1.13021	ug/L	-1.13021	ug/L	12:36:30
2	Mg 279.071†	926.3	883.5	1.86847	mg/L	1.86847	mg/L	12:36:50
2	Na 589.592†	23557.9	22250.1	3.33173	mg/L	3.33173	mg/L	12:36:30
2	Sr 407.771†	26617.9	25737.3	31.4415	ug/L	31.4415	ug/L	12:36:30
2	Ti 334.940†	28.7	62.4	6.07195	ug/L	6.07195	ug/L	12:36:50

2	Y 360.076	233124.3	233124.3	99.1528 %			12:37:21
2	Ag 328.068†	37.5	-53.2	-0.425633 ug/L	-0.425633	ug/L	12:37:21
2	As 188.979†	-4.8	20.5	24.5616 ug/L	24.5616	ug/L	12:37:41
2	B 249.677†	791.8	131.5	1.03660 ug/L	1.03660	ug/L	12:37:41
2	Be 234.861†	-758.1	16.8	-0.162465 ug/L	-0.162465	ug/L	12:37:41
2	Cd 214.437†	409.9	1.7	-1.51513 ug/L	-1.51513	ug/L	12:37:41
2	Ce 413.764†	796.7	-10.3	-0.279970 ug/L	-0.279970	ug/L	12:37:21
2	Co 228.616†	-81.9	-0.0	-1.80210 ug/L	-1.80210	ug/L	12:37:41
2	Cr 205.557†	-19.9	8.7	-0.468456 ug/L	-0.468456	ug/L	12:37:41
2	Cu 327.397†	56.3	52.8	1.50909 ug/L	1.50909	ug/L	12:37:21
2	Mn 257.610†	664.7	464.0	1.71534 ug/L	1.71534	ug/L	12:37:41
2	Mo 202.031†	120.8	31.8	5.11511 ug/L	5.11511	ug/L	12:37:41
2	Ni 231.604†	369.8	19.3	0.364183 ug/L	0.364183	ug/L	12:37:41
2	Pb 220.353†	38.0	5.1	1.28468 ug/L	1.28468	ug/L	12:37:41
2	Sb 217.584†	-36.2	10.9	9.79191 ug/L	9.79191	ug/L	12:37:41
2	Se 196.026†	-39.1	-4.1	-6.61274 ug/L	-6.61274	ug/L	12:37:41
2	Si 251.611†	17043.3	17051.7	1584.91 ug/L	1584.91	ug/L	12:37:21
2	Sn 189.927†	-23.2	-30.1	-11.7943 ug/L	-11.7943	ug/L	12:37:41
2	Tl 190.801†	-46.2	-7.9	-6.61968 ug/L	-6.61968	ug/L	12:37:41
2	V 292.395†	-1260.5	44.0	1.79533 ug/L	1.79533	ug/L	12:37:41
2	Zn 206.200†	-10.6	56.1	3.55170 ug/L	3.55170	ug/L	12:37:41

Mean Data: 1002038-12

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	189918.5	102.063	%	1.0516				1.03%
Y 360.076	233635.4	99.3702	%	0.30740				0.31%
Ag 328.068†	-32.9	-0.102112	ug/L	0.4575280	-0.102112	ug/L	0.4575280	448.07%
Al 396.153†	768.5	232.270	ug/L	5.6033	232.270	ug/L	5.6033	2.41%
As 188.979†	18.6	21.4141	ug/L	4.45114	21.4141	ug/L	4.45114	20.79%
B 249.677†	134.1	1.17871	ug/L	0.200976	1.17871	ug/L	0.200976	17.05%
Ba 455.398†	9350.3	30.8770	ug/L	0.19859	30.8770	ug/L	0.19859	0.64%
Be 234.861†	16.9	-0.161534	ug/L	0.0013158	-0.161534	ug/L	0.0013158	0.81%
Ca 315.887†	17647.8	11.6874	mg/L	0.06033	11.6874	mg/L	0.06033	0.52%
Cd 214.437†	0.9	-1.54722	ug/L	0.045391	-1.54722	ug/L	0.045391	2.93%
Ce 413.764†	-12.0	-0.326571	ug/L	0.0659044	-0.326571	ug/L	0.0659044	20.18%
Co 228.616†	-3.9	-2.40322	ug/L	0.850124	-2.40322	ug/L	0.850124	35.37%
Cr 205.557†	10.0	-0.356197	ug/L	0.1587586	-0.356197	ug/L	0.1587586	44.57%
Cu 327.397†	49.7	1.41321	ug/L	0.135602	1.41321	ug/L	0.135602	9.60%
Fe 238.204†	486.7	206.120	ug/L	0.9384	206.120	ug/L	0.9384	0.46%
K 766.490	1079.5	1.40857	mg/L	0.060034	1.40857	mg/L	0.060034	4.26%
Li 670.784†	62.7	-1.44894	ug/L	0.450747	-1.44894	ug/L	0.450747	31.11%
Mg 279.071†	883.7	1.86885	mg/L	0.000528	1.86885	mg/L	0.000528	0.03%
Mn 257.610†	467.9	1.74172	ug/L	0.037308	1.74172	ug/L	0.037308	2.14%
Mo 202.031†	30.9	4.99759	ug/L	0.166199	4.99759	ug/L	0.166199	3.33%
Na 589.592†	22328.9	3.34354	mg/L	0.016697	3.34354	mg/L	0.016697	0.50%
Ni 231.604†	14.8	-0.0142612	ug/L	0.53520080	-0.0142612	ug/L	0.53520080	>999.9%
Pb 220.353†	2.9	-0.101469	ug/L	1.9603162	-0.101469	ug/L	1.9603162	>999.9%
Sb 217.584†	9.7	8.88160	ug/L	1.287375	8.88160	ug/L	1.287375	14.49%
Se 196.026†	-2.8	-3.10136	ug/L	4.965833	-3.10136	ug/L	4.965833	160.12%
Si 251.611†	17093.4	1588.79	ug/L	5.495	1588.79	ug/L	5.495	0.35%
Sn 189.927†	-26.7	-10.1996	ug/L	2.25523	-10.1996	ug/L	2.25523	22.11%
Sr 407.771†	25857.3	31.5921	ug/L	0.21296	31.5921	ug/L	0.21296	0.67%
Ti 334.940†	66.7	6.35623	ug/L	0.402037	6.35623	ug/L	0.402037	6.33%
Tl 190.801†	-8.7	-7.58787	ug/L	1.369232	-7.58787	ug/L	1.369232	18.05%
V 292.395†	56.5	2.06954	ug/L	0.387786	2.06954	ug/L	0.387786	18.74%
Zn 206.200†	51.3	3.04575	ug/L	0.715517	3.04575	ug/L	0.715517	23.49%

Sequence No.: 30
Sample ID: 1002038-13
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 30
Date Collected: 2/9/2010 12:38:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002038-13

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	188736.9	188736.9	101.428	%			12:39:59

1	Al 396.153†	3405.6	3180.7	994.416 ug/L	994.416 ug/L	12:40:19
1	Ba 455.398†	4250.4	4237.3	13.8343 ug/L	13.8343 ug/L	12:39:59
1	Ca 315.887†	19016.5	18632.2	12.3401 mg/L	12.3401 mg/L	12:39:59
1	Fe 238.204†	4035.3	3944.5	1671.45 ug/L	1671.45 ug/L	12:40:19
1	K 766.490	395.0	344.3	0.420596 mg/L	0.420596 mg/L	12:40:19
1	Li 670.784†	83.5	144.4	0.896238 ug/L	0.896238 ug/L	12:40:19
1	Mg 279.071†	1552.4	1513.0	3.21099 mg/L	3.21099 mg/L	12:40:19
1	Na 589.592†	29758.9	28675.3	4.29474 mg/L	4.29474 mg/L	12:39:59
1	Sr 407.771†	22612.5	22140.3	26.9282 ug/L	26.9282 ug/L	12:39:59
1	Ti 334.940†	381.7	410.8	28.9044 ug/L	28.9044 ug/L	12:40:19
1	Y 360.076	234045.6	234045.6	99.5446 %		12:40:50
1	Ag 328.068†	28.5	-62.5	-0.366383 ug/L	-0.366383 ug/L	12:40:50
1	As 188.979†	-21.6	3.7	-3.05612 ug/L	-3.05612 ug/L	12:41:10
1	B 249.677†	729.4	65.7	-2.41080 ug/L	-2.41080 ug/L	12:41:10
1	Be 234.861†	-639.0	139.5	-0.0483418 ug/L	-0.0483418 ug/L	12:41:10
1	Cd 214.437†	417.9	8.1	-1.58306 ug/L	-1.58306 ug/L	12:41:10
1	Ce 413.764†	857.2	47.4	1.27151 ug/L	1.27151 ug/L	12:40:50
1	Co 228.616†	-80.4	1.7	-1.62617 ug/L	-1.62617 ug/L	12:41:10
1	Cr 205.557†	-14.0	14.7	0.147137 ug/L	0.147137 ug/L	12:41:10
1	Cu 327.397†	96.5	93.0	2.74631 ug/L	2.74631 ug/L	12:40:50
1	Mn 257.610†	7200.4	7027.0	46.5942 ug/L	46.5942 ug/L	12:40:50
1	Mo 202.031†	121.9	32.5	5.20213 ug/L	5.20213 ug/L	12:41:10
1	Ni 231.604†	373.5	21.5	0.548377 ug/L	0.548377 ug/L	12:41:10
1	Pb 220.353†	45.8	12.8	6.04071 ug/L	6.04071 ug/L	12:41:10
1	Sb 217.584†	-58.5	-11.4	-3.02859 ug/L	-3.02859 ug/L	12:41:10
1	Se 196.026†	-43.9	-8.8	-17.4758 ug/L	-17.4758 ug/L	12:41:10
1	Si 251.611†	29913.7	29913.3	2784.89 ug/L	2784.89 ug/L	12:40:50
1	Sn 189.927†	-20.7	-27.5	-10.4216 ug/L	-10.4216 ug/L	12:41:10
1	Tl 190.801†	-42.1	-3.6	-1.12962 ug/L	-1.12962 ug/L	12:41:10
1	V 292.395†	-1181.2	128.7	3.37930 ug/L	3.37930 ug/L	12:41:10
1	Zn 206.200†	4.1	70.9	4.97071 ug/L	4.97071 ug/L	12:41:10
2	Sc 357.234	188520.3	188520.3	101.312 %		12:40:24
2	Al 396.153†	3392.2	3171.4	991.522 ug/L	991.522 ug/L	12:40:44
2	Ba 455.398†	4317.4	4308.3	14.0708 ug/L	14.0708 ug/L	12:40:24
2	Ca 315.887†	19154.5	18789.9	12.4447 mg/L	12.4447 mg/L	12:40:24
2	Fe 238.204†	4001.9	3916.0	1659.39 ug/L	1659.39 ug/L	12:40:44
2	K 766.490	384.6	333.9	0.406601 mg/L	0.406601 mg/L	12:40:44
2	Li 670.784†	80.8	141.8	0.821670 ug/L	0.821670 ug/L	12:40:44
2	Mg 279.071†	1545.2	1507.7	3.19965 mg/L	3.19965 mg/L	12:40:44
2	Na 589.592†	30016.6	28963.3	4.33791 mg/L	4.33791 mg/L	12:40:24
2	Sr 407.771†	22811.7	22362.5	27.2070 ug/L	27.2070 ug/L	12:40:24
2	Ti 334.940†	375.8	405.4	28.5512 ug/L	28.5512 ug/L	12:40:44
2	Y 360.076	234552.2	234552.2	99.7601 %		12:41:15
2	Ag 328.068†	15.4	-75.6	-0.569649 ug/L	-0.569649 ug/L	12:41:15
2	As 188.979†	-21.2	4.2	-2.23088 ug/L	-2.23088 ug/L	12:41:35
2	B 249.677†	724.3	59.0	-2.78434 ug/L	-2.78434 ug/L	12:41:35
2	Be 234.861†	-653.6	126.2	-0.110524 ug/L	-0.110524 ug/L	12:41:35
2	Cd 214.437†	412.8	2.1	-1.81333 ug/L	-1.81333 ug/L	12:41:35
2	Ce 413.764†	904.8	93.2	2.51204 ug/L	2.51204 ug/L	12:41:15
2	Co 228.616†	-72.2	10.1	-0.318923 ug/L	-0.318923 ug/L	12:41:35
2	Cr 205.557†	-12.4	16.4	0.291339 ug/L	0.291339 ug/L	12:41:35
2	Cu 327.397†	67.8	64.0	1.86170 ug/L	1.86170 ug/L	12:41:15
2	Mn 257.610†	7235.9	7047.0	46.7304 ug/L	46.7304 ug/L	12:41:15
2	Mo 202.031†	106.9	17.2	3.25513 ug/L	3.25513 ug/L	12:41:35
2	Ni 231.604†	364.9	12.1	-0.242394 ug/L	-0.242394 ug/L	12:41:35
2	Pb 220.353†	40.5	7.4	2.70899 ug/L	2.70899 ug/L	12:41:35
2	Sb 217.584†	-67.7	-20.5	-10.0917 ug/L	-10.0917 ug/L	12:41:35
2	Se 196.026†	-36.9	-1.6	1.70268 ug/L	1.70268 ug/L	12:41:35
2	Si 251.611†	30154.8	30090.1	2801.39 ug/L	2801.39 ug/L	12:41:15
2	Sn 189.927†	-22.1	-28.9	-11.0474 ug/L	-11.0474 ug/L	12:41:35
2	Tl 190.801†	-46.1	-7.5	-5.90054 ug/L	-5.90054 ug/L	12:41:35
2	V 292.395†	-1159.8	152.7	3.89048 ug/L	3.89048 ug/L	12:41:35
2	Zn 206.200†	1.1	67.9	4.65035 ug/L	4.65035 ug/L	12:41:35

Mean Data: 1002038-13

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 357.234	188628.6	101.370	%	0.0823				0.08%
Y 360.076	234298.9	99.6524	%	0.15237				0.15%
Ag 328.068†	-69.0	-0.468016	ug/L	0.1437302	-0.468016	ug/L	0.1437302	30.71%

Al 396.153†	3176.1	992.969	ug/L	2.0460	992.969	ug/L	2.0460	0.21%
As 188.979†	3.9	-2.64350	ug/L	0.583531	-2.64350	ug/L	0.583531	22.07%
B 249.677†	62.3	-2.59757	ug/L	0.264137	-2.59757	ug/L	0.264137	10.17%
Ba 455.398†	4272.8	13.9526	ug/L	0.16729	13.9526	ug/L	0.16729	1.20%
Be 234.861†	132.9	-0.0794331	ug/L	0.04396978	-0.0794331	ug/L	0.04396978	55.35%
Ca 315.887†	18711.1	12.3924	mg/L	0.07397	12.3924	mg/L	0.07397	0.60%
Cd 214.437†	5.1	-1.69819	ug/L	0.162826	-1.69819	ug/L	0.162826	9.59%
Ce 413.764†	70.3	1.89177	ug/L	0.877189	1.89177	ug/L	0.877189	46.37%
Co 228.616†	5.9	-0.972549	ug/L	0.9243668	-0.972549	ug/L	0.9243668	95.05%
Cr 205.557†	15.5	0.219238	ug/L	0.1019668	0.219238	ug/L	0.1019668	46.51%
Cu 327.397†	78.5	2.30401	ug/L	0.625510	2.30401	ug/L	0.625510	27.15%
Fe 238.204†	3930.2	1665.42	ug/L	8.526	1665.42	ug/L	8.526	0.51%
K 766.490	339.1	0.413598	mg/L	0.0098962	0.413598	mg/L	0.0098962	2.39%
Li 670.784†	143.1	0.858954	ug/L	0.0527278	0.858954	ug/L	0.0527278	6.14%
Mg 279.071†	1510.3	3.20532	mg/L	0.008025	3.20532	mg/L	0.008025	0.25%
Mn 257.610†	7037.0	46.6623	ug/L	0.09633	46.6623	ug/L	0.09633	0.21%
Mo 202.031†	24.8	4.22863	ug/L	1.376738	4.22863	ug/L	1.376738	32.56%
Na 589.592†	28819.3	4.31633	mg/L	0.030526	4.31633	mg/L	0.030526	0.71%
Ni 231.604†	16.8	0.152991	ug/L	0.5591595	0.152991	ug/L	0.5591595	365.48%
Pb 220.353†	10.1	4.37485	ug/L	2.355884	4.37485	ug/L	2.355884	53.85%
Sb 217.584†	-16.0	-6.56015	ug/L	4.994374	-6.56015	ug/L	4.994374	76.13%
Se 196.026†	-5.2	-7.88657	ug/L	13.561253	-7.88657	ug/L	13.561253	171.95%
Si 251.611†	30001.7	2793.14	ug/L	11.667	2793.14	ug/L	11.667	0.42%
Sn 189.927†	-28.2	-10.7345	ug/L	0.44255	-10.7345	ug/L	0.44255	4.12%
Sr 407.771†	22251.4	27.0676	ug/L	0.19714	27.0676	ug/L	0.19714	0.73%
Ti 334.940†	408.1	28.7278	ug/L	0.24980	28.7278	ug/L	0.24980	0.87%
Tl 190.801†	-5.5	-3.51508	ug/L	3.373552	-3.51508	ug/L	3.373552	95.97%
V 292.395†	140.7	3.63489	ug/L	0.361463	3.63489	ug/L	0.361463	9.94%
Zn 206.200†	69.4	4.81053	ug/L	0.226532	4.81053	ug/L	0.226532	4.71%

Sequence No.: 31 **Autosampler Location: 31**
Sample ID: 1002038-14 **Date Collected: 2/9/2010 12:42:51 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1002038-14

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	184741.6	184741.6	99.2809	%			12:43:56
1	Al 396.153†	929.6	759.5	239.364	ug/L	239.364	ug/L	12:44:16
1	Ba 455.398†	23259.5	23474.7	77.9561	ug/L	77.9561	ug/L	12:43:56
1	Ca 315.887†	83672.2	84161.7	55.7955	mg/L	55.7955	mg/L	12:43:56
1	Fe 238.204†	1296.6	1272.0	538.895	ug/L	538.895	ug/L	12:44:16
1	K 766.490	689.0	638.3	0.815660	mg/L	0.815660	mg/L	12:44:16
1	Li 670.784†	48.8	111.2	-0.0558542	ug/L	-0.0558542	ug/L	12:44:16
1	Mg 279.071†	900.2	889.2	1.88056	mg/L	1.88056	mg/L	12:44:16
1	Na 589.592†	20911.6	20398.4	3.05419	mg/L	3.05419	mg/L	12:43:56
1	Sr 407.771†	243571.9	245182.2	306.784	ug/L	306.784	ug/L	12:43:56
1	Ti 334.940†	81.9	117.0	9.64934	ug/L	9.64934	ug/L	12:44:16
1	Y 360.076	228141.2	228141.2	97.0334	%			12:44:47
1	Ag 328.068†	84.7	-3.7	0.920814	ug/L	0.920814	ug/L	12:44:47
1	As 188.979†	-27.5	-2.9	-13.7284	ug/L	-13.7284	ug/L	12:45:07
1	B 249.677†	2838.9	2258.7	117.327	ug/L	117.327	ug/L	12:44:47
1	Be 234.861†	-714.1	45.5	-0.131095	ug/L	-0.131095	ug/L	12:45:07
1	Cd 214.437†	419.4	20.5	-0.847967	ug/L	-0.847967	ug/L	12:45:07
1	Ce 413.764†	862.9	75.5	2.03973	ug/L	2.03973	ug/L	12:44:47
1	Co 228.616†	-77.9	2.2	-1.46604	ug/L	-1.46604	ug/L	12:45:07
1	Cr 205.557†	-18.4	9.8	-0.351782	ug/L	-0.351782	ug/L	12:45:07
1	Cu 327.397†	195.2	197.2	5.90780	ug/L	5.90780	ug/L	12:44:47
1	Mn 257.610†	8464.2	8516.6	56.7255	ug/L	56.7255	ug/L	12:44:47
1	Mo 202.031†	160.2	75.1	10.6188	ug/L	10.6188	ug/L	12:45:07
1	Ni 231.604†	397.5	56.0	3.42971	ug/L	3.42971	ug/L	12:45:07
1	Pb 220.353†	76.8	45.9	26.5612	ug/L	26.5612	ug/L	12:45:07
1	Sb 217.584†	-52.0	-6.2	-2.36132	ug/L	-2.36132	ug/L	12:45:07
1	Se 196.026†	-42.2	-8.2	-17.2878	ug/L	-17.2878	ug/L	12:45:07
1	Si 251.611†	13979.4	14269.5	1325.28	ug/L	1325.28	ug/L	12:44:47
1	Sn 189.927†	-69.7	-78.5	-24.8880	ug/L	-24.8880	ug/L	12:45:07
1	Tl 190.801†	-39.9	-2.4	0.123437	ug/L	0.123437	ug/L	12:45:07

1	V 292.395†	-1243.6	33.7	1.56307 ug/L	1.56307 ug/L	12:45:07
1	Zn 206.200†	85.2	154.6	13.9111 ug/L	13.9111 ug/L	12:45:07
2	Sc 357.234	187509.3	187509.3	100.768 %		12:44:21
2	Al 396.153†	997.1	812.6	256.250 ug/L	256.250 ug/L	12:44:41
2	Ba 455.398†	23837.1	23702.1	78.7140 ug/L	78.7140 ug/L	12:44:21
2	Ca 315.887†	85568.2	84799.2	56.2182 mg/L	56.2182 mg/L	12:44:21
2	Fe 238.204†	1292.1	1248.3	528.835 ug/L	528.835 ug/L	12:44:41
2	K 766.490	674.4	623.6	0.795943 mg/L	0.795943 mg/L	12:44:41
2	Li 670.784†	50.6	112.3	-0.0243928 ug/L	-0.0243928 ug/L	12:44:41
2	Mg 279.071†	894.7	870.3	1.84035 mg/L	1.84035 mg/L	12:44:41
2	Na 589.592†	21278.6	20451.8	3.06219 mg/L	3.06219 mg/L	12:44:21
2	Sr 407.771†	249488.6	247432.6	309.608 ug/L	309.608 ug/L	12:44:21
2	Ti 334.940†	66.9	100.9	8.59214 ug/L	8.59214 ug/L	12:44:41
2	Y 360.076	229869.1	229869.1	97.7683 %		12:45:12
2	Ag 328.068†	71.6	-17.8	0.698717 ug/L	0.698717 ug/L	12:45:12
2	As 188.979†	-21.0	3.9	-2.51810 ug/L	-2.51810 ug/L	12:45:32
2	B 249.677†	2868.3	2266.7	117.767 ug/L	117.767 ug/L	12:45:12
2	Be 234.861†	-721.1	43.8	-0.136065 ug/L	-0.136065 ug/L	12:45:32
2	Cd 214.437†	415.2	12.9	-1.14127 ug/L	-1.14127 ug/L	12:45:32
2	Ce 413.764†	857.8	63.7	1.71977 ug/L	1.71977 ug/L	12:45:12
2	Co 228.616†	-82.1	-1.4	-2.03542 ug/L	-2.03542 ug/L	12:45:32
2	Cr 205.557†	-19.2	9.2	-0.411636 ug/L	-0.411636 ug/L	12:45:32
2	Cu 327.397†	188.3	188.7	5.64640 ug/L	5.64640 ug/L	12:45:12
2	Mn 257.610†	8557.1	8546.0	56.9263 ug/L	56.9263 ug/L	12:45:12
2	Mo 202.031†	153.9	67.4	9.63875 ug/L	9.63875 ug/L	12:45:32
2	Ni 231.604†	397.9	53.3	3.20606 ug/L	3.20606 ug/L	12:45:32
2	Pb 220.353†	70.0	38.4	21.8825 ug/L	21.8825 ug/L	12:45:32
2	Sb 217.584†	-55.9	-9.8	-5.19974 ug/L	-5.19974 ug/L	12:45:32
2	Se 196.026†	-37.1	-2.6	-2.37749 ug/L	-2.37749 ug/L	12:45:32
2	Si 251.611†	14170.4	14356.6	1333.43 ug/L	1333.43 ug/L	12:45:12
2	Sn 189.927†	-69.1	-77.3	-24.2335 ug/L	-24.2335 ug/L	12:45:32
2	Tl 190.801†	-44.4	-6.7	-5.17202 ug/L	-5.17202 ug/L	12:45:32
2	V 292.395†	-1255.5	31.1	1.49783 ug/L	1.49783 ug/L	12:45:32
2	Zn 206.200†	99.2	168.3	15.3550 ug/L	15.3550 ug/L	12:45:32

Mean Data: 1002038-14

Analyte	Mean Corracted Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	186125.5	100.025	%	1.0517				1.05%
Y 360.076	229005.2	97.4008	%	0.51968				0.53%
Ag 328.068†	-10.8	0.809765	ug/L	0.1570463	0.809765	ug/L	0.1570463	19.39%
Al 396.153†	786.0	247.807	ug/L	11.9398	247.807	ug/L	11.9398	4.82%
As 188.979†	0.5	-8.12326	ug/L	7.926891	-8.12326	ug/L	7.926891	97.58%
B 249.677†	2262.7	117.547	ug/L	0.3109	117.547	ug/L	0.3109	0.26%
Ba 455.398†	23588.4	78.3351	ug/L	0.53590	78.3351	ug/L	0.53590	0.68%
Be 234.861†	44.7	-0.133580	ug/L	0.0035144	-0.133580	ug/L	0.0035144	2.63%
Ca 315.887†	84480.4	56.0068	mg/L	0.29894	56.0068	mg/L	0.29894	0.53%
Cd 214.437†	16.7	-0.994618	ug/L	0.2073956	-0.994618	ug/L	0.2073956	20.85%
Ce 413.764†	69.6	1.87975	ug/L	0.226244	1.87975	ug/L	0.226244	12.04%
Co 228.616†	0.4	-1.75073	ug/L	0.402615	-1.75073	ug/L	0.402615	23.00%
Cr 205.557†	9.5	-0.381709	ug/L	0.0423230	-0.381709	ug/L	0.0423230	11.09%
Cu 327.397†	192.9	5.77710	ug/L	0.184835	5.77710	ug/L	0.184835	3.20%
Fe 238.204†	1260.1	533.865	ug/L	7.1129	533.865	ug/L	7.1129	1.33%
K 766.490	630.9	0.805801	mg/L	0.0139416	0.805801	mg/L	0.0139416	1.73%
Li 670.784†	111.8	-0.0401235	ug/L	0.02224654	-0.0401235	ug/L	0.02224654	55.45%
Mg 279.071†	879.8	1.86046	mg/L	0.028431	1.86046	mg/L	0.028431	1.53%
Mn 257.610†	8531.3	56.8259	ug/L	0.14198	56.8259	ug/L	0.14198	0.25%
Mo 202.031†	71.2	10.1288	ug/L	0.69303	10.1288	ug/L	0.69303	6.84%
Na 589.592†	20425.1	3.05819	mg/L	0.005654	3.05819	mg/L	0.005654	0.18%
Ni 231.604†	54.6	3.31788	ug/L	0.158144	3.31788	ug/L	0.158144	4.77%
Pb 220.353†	42.1	24.2218	ug/L	3.30836	24.2218	ug/L	3.30836	13.66%
Sb 217.584†	-8.0	-3.78053	ug/L	2.007064	-3.78053	ug/L	2.007064	53.09%
Se 196.026†	-5.4	-9.83264	ug/L	10.543173	-9.83264	ug/L	10.543173	107.23%
Si 251.611†	14313.0	1329.35	ug/L	5.763	1329.35	ug/L	5.763	0.43%
Sn 189.927†	-77.9	-24.5607	ug/L	0.46275	-24.5607	ug/L	0.46275	1.88%
Sr 407.771†	246307.4	308.196	ug/L	1.9966	308.196	ug/L	1.9966	0.65%
Ti 334.940†	108.9	9.12074	ug/L	0.747550	9.12074	ug/L	0.747550	8.20%
Tl 190.801†	-4.6	-2.52429	ug/L	3.744453	-2.52429	ug/L	3.744453	148.34%
V 292.395†	32.4	1.53045	ug/L	0.046130	1.53045	ug/L	0.046130	3.01%
Zn 206.200†	161.5	14.6330	ug/L	1.02098	14.6330	ug/L	1.02098	6.98%

Sequence No.: 32
Sample ID: 1001056-ms1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 32
Date Collected: 2/9/2010 12:46:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001056-ms1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	181018.7	181018.7	97.2802	%			12:47:53
1	Al 396.153†	7239.5	7265.0	2291.18	ug/L	2291.18	ug/L	12:47:58
1	Ba 455.398†	93353.9	96010.8	319.732	ug/L	319.732	ug/L	12:47:53
1	Ca 315.887†	89219.9	91597.8	60.7267	mg/L	60.7267	mg/L	12:47:53
1	Fe 238.204†	4538.1	4631.0	1961.64	ug/L	1961.64	ug/L	12:47:58
1	K 766.490	8682.7	8632.0	11.5571	mg/L	11.5571	mg/L	12:47:58
1	Li 670.784†	8102.4	8391.0	237.607	ug/L	237.607	ug/L	12:47:58
1	Mg 279.071†	6059.3	6211.2	13.2311	mg/L	13.2311	mg/L	12:47:58
1	Na 589.592†	99384.0	101498.1	15.2095	mg/L	15.2095	mg/L	12:47:53
1	Sr 407.771†	394203.0	405070.5	507.399	ug/L	507.399	ug/L	12:47:53
1	Ti 334.940†	3771.1	3910.9	258.321	ug/L	258.321	ug/L	12:47:58
1	Y 360.076	223771.0	223771.0	95.1746	%			12:48:15
1	Ag 328.068†	13484.2	14076.8	225.541	ug/L	225.541	ug/L	12:48:15
1	As 188.979†	632.4	689.9	1113.07	ug/L	1113.07	ug/L	12:48:35
1	B 249.677†	5287.3	4888.3	260.575	ug/L	260.575	ug/L	12:48:15
1	Be 234.861†	3662.4	4629.4	22.2333	ug/L	22.2333	ug/L	12:48:15
1	Cd 214.437†	5792.3	5674.2	218.367	ug/L	218.367	ug/L	12:48:35
1	Ce 413.764†	910.4	142.8	3.81112	ug/L	3.81112	ug/L	12:48:15
1	Co 228.616†	1293.1	1441.2	221.623	ug/L	221.623	ug/L	12:48:35
1	Cr 205.557†	2459.3	2612.7	227.792	ug/L	227.792	ug/L	12:48:35
1	Cu 327.397†	7610.5	7992.4	243.460	ug/L	243.460	ug/L	12:48:15
1	Mn 257.610†	49002.9	51281.0	348.853	ug/L	348.853	ug/L	12:48:15
1	Mo 202.031†	1887.5	1893.2	241.873	ug/L	241.873	ug/L	12:48:35
1	Ni 231.604†	2972.5	2769.5	229.686	ug/L	229.686	ug/L	12:48:35
1	Pb 220.353†	460.2	450.4	276.992	ug/L	276.992	ug/L	12:48:35
1	Sb 217.584†	1339.9	1455.2	1130.56	ug/L	1130.56	ug/L	12:48:35
1	Se 196.026†	317.5	368.9	996.561	ug/L	996.561	ug/L	12:48:35
1	Si 251.611†	32083.7	33573.1	3120.48	ug/L	3120.48	ug/L	12:48:15
1	Sn 189.927†	2171.9	2275.4	1080.55	ug/L	1080.55	ug/L	12:48:35
1	Tl 190.801†	825.0	905.5	1112.35	ug/L	1112.35	ug/L	12:48:35
1	V 292.395†	8712.4	10469.4	233.492	ug/L	233.492	ug/L	12:48:15
1	Zn 206.200†	2152.1	2328.0	242.552	ug/L	242.552	ug/L	12:48:35
2	Sc 357.234	181394.7	181394.7	97.4822	%			12:48:03
2	Al 396.153†	7136.8	7144.2	2252.99	ug/L	2252.99	ug/L	12:48:08
2	Ba 455.398†	93854.5	96325.3	320.780	ug/L	320.780	ug/L	12:48:03
2	Ca 315.887†	89294.8	91484.5	60.6515	mg/L	60.6515	mg/L	12:48:03
2	Fe 238.204†	4415.1	4495.1	1904.06	ug/L	1904.06	ug/L	12:48:08
2	K 766.490	8579.1	8528.3	11.4178	mg/L	11.4178	mg/L	12:48:08
2	Li 670.784†	7972.3	8240.3	233.281	ug/L	233.281	ug/L	12:48:08
2	Mg 279.071†	5979.4	6116.3	13.0289	mg/L	13.0289	mg/L	12:48:08
2	Na 589.592†	100049.3	101968.7	15.2801	mg/L	15.2801	mg/L	12:48:03
2	Sr 407.771†	395650.9	405715.8	508.209	ug/L	508.209	ug/L	12:48:03
2	Ti 334.940†	3715.5	3845.9	254.056	ug/L	254.056	ug/L	12:48:08
2	Y 360.076	225066.2	225066.2	95.7255	%			12:48:40
2	Ag 328.068†	13504.4	14016.4	224.567	ug/L	224.567	ug/L	12:48:40
2	As 188.979†	638.4	692.3	1117.12	ug/L	1117.12	ug/L	12:49:00
2	B 249.677†	5254.7	4822.2	256.955	ug/L	256.955	ug/L	12:48:40
2	Be 234.861†	3611.9	4554.6	21.8797	ug/L	21.8797	ug/L	12:48:40
2	Cd 214.437†	5817.9	5666.0	218.058	ug/L	218.058	ug/L	12:49:00
2	Ce 413.764†	898.9	125.3	3.33798	ug/L	3.33798	ug/L	12:48:40
2	Co 228.616†	1309.2	1450.2	223.040	ug/L	223.040	ug/L	12:49:00
2	Cr 205.557†	2478.8	2618.3	228.271	ug/L	228.271	ug/L	12:49:00
2	Cu 327.397†	7602.4	7937.9	241.795	ug/L	241.795	ug/L	12:48:40
2	Mn 257.610†	48823.5	50797.3	345.548	ug/L	345.548	ug/L	12:48:40
2	Mo 202.031†	1909.5	1904.8	243.348	ug/L	243.348	ug/L	12:49:00
2	Ni 231.604†	3006.1	2786.7	231.116	ug/L	231.116	ug/L	12:49:00
2	Pb 220.353†	461.6	449.0	276.135	ug/L	276.135	ug/L	12:49:00
2	Sb 217.584†	1345.9	1453.4	1129.03	ug/L	1129.03	ug/L	12:49:00
2	Se 196.026†	328.8	378.8	1023.06	ug/L	1023.06	ug/L	12:49:00

2	Si 251.611†	31877.7	33163.9	3082.39 ug/L	3082.39 ug/L	12:48:40
2	Sn 189.927†	2197.0	2288.4	1086.64 ug/L	1086.64 ug/L	12:49:00
2	Tl 190.801†	831.3	907.1	1114.26 ug/L	1114.26 ug/L	12:49:00
2	V 292.395†	8631.7	10332.4	230.502 ug/L	230.502 ug/L	12:48:40
2	Zn 206.200†	2162.0	2325.4	242.284 ug/L	242.284 ug/L	12:49:00

Mean Data: 1001056-ms1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	181206.7	97.3812	%	0.14290				0.15%
Y 360.076	224418.6	95.4501	%	0.38952				0.41%
Ag 328.068†	14046.6	225.054	ug/L	0.6889	225.054	ug/L	0.6889	0.31%
Al 396.153†	7204.6	2272.08	ug/L	27.003	2272.08	ug/L	27.003	1.19%
As 188.979†	691.1	1115.09	ug/L	2.866	1115.09	ug/L	2.866	0.26%
B 249.677†	4855.3	258.765	ug/L	2.5599	258.765	ug/L	2.5599	0.99%
Ba 455.398†	96168.0	320.256	ug/L	0.7414	320.256	ug/L	0.7414	0.23%
Be 234.861†	4592.0	22.0565	ug/L	0.25001	22.0565	ug/L	0.25001	1.13%
Ca 315.887†	91541.2	60.6891	mg/L	0.05313	60.6891	mg/L	0.05313	0.09%
Cd 214.437†	5670.1	218.212	ug/L	0.2186	218.212	ug/L	0.2186	0.10%
Ce 413.764†	134.0	3.57455	ug/L	0.334560	3.57455	ug/L	0.334560	9.36%
Co 228.616†	1445.7	222.332	ug/L	1.0019	222.332	ug/L	1.0019	0.45%
Cr 205.557†	2615.5	228.032	ug/L	0.3391	228.032	ug/L	0.3391	0.15%
Cu 327.397†	7965.1	242.627	ug/L	1.1772	242.627	ug/L	1.1772	0.49%
Fe 238.204†	4563.0	1932.85	ug/L	40.716	1932.85	ug/L	40.716	2.11%
K 766.490	8580.1	11.4874	mg/L	0.09849	11.4874	mg/L	0.09849	0.86%
Li 670.784†	8315.6	235.444	ug/L	3.0586	235.444	ug/L	3.0586	1.30%
Mg 279.071†	6163.7	13.1300	mg/L	0.14301	13.1300	mg/L	0.14301	1.09%
Mn 257.610†	51039.1	347.200	ug/L	2.3373	347.200	ug/L	2.3373	0.67%
Mo 202.031†	1899.0	242.611	ug/L	1.0431	242.611	ug/L	1.0431	0.43%
Na 589.592†	101733.4	15.2448	mg/L	0.04988	15.2448	mg/L	0.04988	0.33%
Ni 231.604†	2778.1	230.401	ug/L	1.0114	230.401	ug/L	1.0114	0.44%
Pb 220.353†	449.7	276.564	ug/L	0.6060	276.564	ug/L	0.6060	0.22%
Sb 217.584†	1454.3	1129.80	ug/L	1.080	1129.80	ug/L	1.080	0.10%
Se 196.026†	373.9	1009.81	ug/L	18.734	1009.81	ug/L	18.734	1.86%
Si 251.611†	33368.5	3101.44	ug/L	26.932	3101.44	ug/L	26.932	0.87%
Sn 189.927†	2281.9	1083.59	ug/L	4.305	1083.59	ug/L	4.305	0.40%
Sr 407.771†	405393.2	507.804	ug/L	0.5725	507.804	ug/L	0.5725	0.11%
Ti 334.940†	3878.4	256.189	ug/L	3.0154	256.189	ug/L	3.0154	1.18%
Tl 190.801†	906.3	1113.30	ug/L	1.349	1113.30	ug/L	1.349	0.12%
V 292.395†	10400.9	231.997	ug/L	2.1142	231.997	ug/L	2.1142	0.91%
Zn 206.200†	2326.7	242.418	ug/L	0.1895	242.418	ug/L	0.1895	0.08%

Sequence No.: 33
Sample ID: 1001056-msd1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 33
Date Collected: 2/9/2010 12:50:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001056-msd1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	185225.1	185225.1	99.5407	%			12:51:19
1	Al 396.153†	7516.8	7374.6	2325.79	ug/L	2325.79	ug/L	12:51:24
1	Ba 455.398†	95513.8	96001.2	319.700	ug/L	319.700	ug/L	12:51:19
1	Ca 315.887†	91077.7	91381.4	60.5831	mg/L	60.5831	mg/L	12:51:19
1	Fe 238.204†	4779.1	4767.1	2019.33	ug/L	2019.33	ug/L	12:51:24
1	K 766.490	8945.7	8894.9	11.9104	mg/L	11.9104	mg/L	12:51:24
1	Li 670.784†	8297.6	8398.0	237.809	ug/L	237.809	ug/L	12:51:24
1	Mg 279.071†	6281.6	6293.1	13.4059	mg/L	13.4059	mg/L	12:51:24
1	Na 589.592†	101893.7	101699.2	15.2397	mg/L	15.2397	mg/L	12:51:19
1	Sr 407.771†	402065.9	403767.2	505.764	ug/L	505.764	ug/L	12:51:19
1	Ti 334.940†	3886.3	3938.7	260.139	ug/L	260.139	ug/L	12:51:24
1	Y 360.076	231106.8	231106.8	98.2947	%			12:51:40
1	Ag 328.068†	14077.9	14231.1	228.001	ug/L	228.001	ug/L	12:51:40
1	As 188.979†	650.0	686.7	1107.91	ug/L	1107.91	ug/L	12:52:00
1	B 249.677†	5499.7	4928.1	262.747	ug/L	262.747	ug/L	12:52:00
1	Be 234.861†	3811.6	4659.1	22.3616	ug/L	22.3616	ug/L	12:52:00
1	Cd 214.437†	6012.2	5704.8	219.541	ug/L	219.541	ug/L	12:52:00

1	Ce 413.764†	907.7	109.7	2.91608 ug/L	2.91608 ug/L	12:51:40
1	Co 228.616†	1340.5	1446.3	222.415 ug/L	222.415 ug/L	12:52:00
1	Cr 205.557†	2521.9	2594.4	226.187 ug/L	226.187 ug/L	12:52:00
1	Cu 327.397†	7795.8	7927.0	241.470 ug/L	241.470 ug/L	12:51:40
1	Mn 257.610†	50775.5	51450.0	350.010 ug/L	350.010 ug/L	12:51:40
1	Mo 202.031†	1938.4	1882.0	240.450 ug/L	240.450 ug/L	12:52:00
1	Ni 231.604†	3080.3	2780.1	230.561 ug/L	230.561 ug/L	12:52:00
1	Pb 220.353†	474.8	449.8	276.680 ug/L	276.680 ug/L	12:52:00
1	Sb 217.584†	1354.9	1425.8	1108.04 ug/L	1108.04 ug/L	12:52:00
1	Se 196.026†	340.7	382.0	1031.60 ug/L	1031.60 ug/L	12:52:00
1	Si 251.611†	31270.1	31675.4	2943.36 ug/L	2943.36 ug/L	12:51:40
1	Sn 189.927†	2248.1	2280.5	1082.90 ug/L	1082.90 ug/L	12:52:00
1	Tl 190.801†	855.7	909.2	1116.90 ug/L	1116.90 ug/L	12:52:00
1	V 292.395†	9026.6	10498.5	234.107 ug/L	234.107 ug/L	12:52:00
1	Zn 206.200†	2236.6	2342.2	244.040 ug/L	244.040 ug/L	12:52:00
2	Sc 357.234	186176.1	186176.1	100.052 %		12:51:29
2	Al 396.153†	7393.4	7212.6	2274.51 ug/L	2274.51 ug/L	12:51:34
2	Ba 455.398†	96446.2	96443.0	321.173 ug/L	321.173 ug/L	12:51:29
2	Ca 315.887†	91846.0	91681.9	60.7824 mg/L	60.7824 mg/L	12:51:29
2	Fe 238.204†	4727.3	4690.8	1986.99 ug/L	1986.99 ug/L	12:51:34
2	K 766.490	8841.4	8790.7	11.7703 mg/L	11.7703 mg/L	12:51:34
2	Li 670.784†	8243.3	8301.1	235.029 ug/L	235.029 ug/L	12:51:34
2	Mg 279.071†	6149.8	6129.1	13.0561 mg/L	13.0561 mg/L	12:51:34
2	Na 589.592†	102719.6	102001.8	15.2850 mg/L	15.2850 mg/L	12:51:29
2	Sr 407.771†	406000.0	405635.9	508.109 ug/L	508.109 ug/L	12:51:29
2	Ti 334.940†	3787.5	3820.0	252.359 ug/L	252.359 ug/L	12:51:34
2	Y 360.076	224344.9	224344.9	95.4187 %		12:52:05
2	Ag 328.068†	13763.7	14333.5	229.627 ug/L	229.627 ug/L	12:52:05
2	As 188.979†	661.2	718.3	1159.48 ug/L	1159.48 ug/L	12:52:25
2	B 249.677†	5506.8	5104.1	272.358 ug/L	272.358 ug/L	12:52:25
2	Be 234.861†	3791.3	4754.7	22.8494 ug/L	22.8494 ug/L	12:52:25
2	Cd 214.437†	6006.4	5883.1	226.472 ug/L	226.472 ug/L	12:52:25
2	Ce 413.764†	850.4	77.4	2.04611 ug/L	2.04611 ug/L	12:52:05
2	Co 228.616†	1342.2	1489.1	229.087 ug/L	229.087 ug/L	12:52:25
2	Cr 205.557†	2534.6	2685.1	234.131 ug/L	234.131 ug/L	12:52:25
2	Cu 327.397†	7617.6	7979.4	243.059 ug/L	243.059 ug/L	12:52:05
2	Mn 257.610†	49268.8	51428.0	349.858 ug/L	349.858 ug/L	12:52:05
2	Mo 202.031†	1954.1	1957.9	250.105 ug/L	250.105 ug/L	12:52:25
2	Ni 231.604†	3076.6	2870.6	238.115 ug/L	238.115 ug/L	12:52:25
2	Pb 220.353†	482.3	472.3	290.597 ug/L	290.597 ug/L	12:52:25
2	Sb 217.584†	1366.1	1479.0	1149.07 ug/L	1149.07 ug/L	12:52:25
2	Se 196.026†	319.1	369.8	998.774 ug/L	998.774 ug/L	12:52:25
2	Si 251.611†	30177.9	31489.6	2926.22 ug/L	2926.22 ug/L	12:52:05
2	Sn 189.927†	2266.7	2368.9	1124.44 ug/L	1124.44 ug/L	12:52:25
2	Tl 190.801†	854.3	934.0	1147.08 ug/L	1147.08 ug/L	12:52:25
2	V 292.395†	9005.5	10753.2	239.829 ug/L	239.829 ug/L	12:52:25
2	Zn 206.200†	2241.5	2415.9	251.819 ug/L	251.819 ug/L	12:52:25

Mean Data: 1001056-msd1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	185700.6	99.7963	%	0.36139				0.36%
Y 360.076	227725.9	96.8567	%	2.03364				2.10%
Ag 328.068†	14282.3	228.814	ug/L	1.1496	228.814	ug/L	1.1496	0.50%
Al 396.153†	7293.6	2300.15	ug/L	36.260	2300.15	ug/L	36.260	1.58%
As 188.979†	702.5	1133.70	ug/L	36.461	1133.70	ug/L	36.461	3.22%
B 249.677†	5016.1	267.552	ug/L	6.7962	267.552	ug/L	6.7962	2.54%
Ba 455.398†	96222.1	320.436	ug/L	1.0413	320.436	ug/L	1.0413	0.32%
Be 234.861†	4706.9	22.6055	ug/L	0.34492	22.6055	ug/L	0.34492	1.53%
Ca 315.887†	91531.6	60.6828	mg/L	0.14091	60.6828	mg/L	0.14091	0.23%
Cd 214.437†	5793.9	223.006	ug/L	4.9011	223.006	ug/L	4.9011	2.20%
Ce 413.764†	93.6	2.48110	ug/L	0.615161	2.48110	ug/L	0.615161	24.79%
Co 228.616†	1467.7	225.751	ug/L	4.7174	225.751	ug/L	4.7174	2.09%
Cr 205.557†	2639.8	230.159	ug/L	5.6173	230.159	ug/L	5.6173	2.44%
Cu 327.397†	7953.2	242.265	ug/L	1.1235	242.265	ug/L	1.1235	0.46%
Fe 238.204†	4729.0	2003.16	ug/L	22.869	2003.16	ug/L	22.869	1.14%
K 766.490	8842.8	11.8403	mg/L	0.09901	11.8403	mg/L	0.09901	0.84%
Li 670.784†	8349.6	236.419	ug/L	1.9657	236.419	ug/L	1.9657	0.83%
Mg 279.071†	6211.1	13.2310	mg/L	0.24733	13.2310	mg/L	0.24733	1.87%
Mn 257.610†	51439.0	349.934	ug/L	0.1075	349.934	ug/L	0.1075	0.03%

Mo 202.031†	1919.9	245.277	ug/L	6.8273	245.277	ug/L	6.8273	2.78%
Na 589.592†	101850.5	15.2624	mg/L	0.03208	15.2624	mg/L	0.03208	0.21%
Ni 231.604†	2825.3	234.338	ug/L	5.3411	234.338	ug/L	5.3411	2.28%
Pb 220.353†	461.1	283.639	ug/L	9.8410	283.639	ug/L	9.8410	3.47%
Sb 217.584†	1452.4	1128.55	ug/L	29.014	1128.55	ug/L	29.014	2.57%
Se 196.026†	375.9	1015.19	ug/L	23.211	1015.19	ug/L	23.211	2.29%
Si 251.611†	31582.5	2934.79	ug/L	12.121	2934.79	ug/L	12.121	0.41%
Sn 189.927†	2324.7	1103.67	ug/L	29.371	1103.67	ug/L	29.371	2.66%
Sr 407.771†	404701.6	506.937	ug/L	1.6580	506.937	ug/L	1.6580	0.33%
Ti 334.940†	3879.3	256.249	ug/L	5.5013	256.249	ug/L	5.5013	2.15%
Tl 190.801†	921.6	1131.99	ug/L	21.339	1131.99	ug/L	21.339	1.89%
V 292.395†	10625.8	236.968	ug/L	4.0466	236.968	ug/L	4.0466	1.71%
Zn 206.200†	2379.1	247.929	ug/L	5.5007	247.929	ug/L	5.5007	2.22%

Sequence No.: 34
Sample ID: 0B09014-srd1
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 34
Date Collected: 2/9/2010 12:53:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B09014-srd1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	191199.2	191199.2	102.751	%			12:54:47
1	Al 396.153†	347.8	161.6	40.4253	ug/L	202.127	ug/L	12:55:07
1	Ba 455.398†	4699.2	4620.1	15.1104	ug/L	75.5518	ug/L	12:54:47
1	Ca 315.887†	17138.2	16562.7	10.9677	mg/L	54.8387	mg/L	12:54:47
1	Fe 238.204†	287.3	245.6	104.007	ug/L	520.035	ug/L	12:55:07
1	K 766.490	160.0	109.2	0.104699	mg/L	0.523494	mg/L	12:54:47
1	Li 670.784†	24.2	85.6	-0.791026	ug/L	-3.95513	ug/L	12:54:47
1	Mg 279.071†	195.2	172.4	0.351890	mg/L	1.75945	mg/L	12:55:07
1	Na 589.592†	4726.5	3935.3	0.586672	mg/L	2.93336	mg/L	12:54:47
1	Sr 407.771†	50145.1	48648.5	60.1887	ug/L	300.943	ug/L	12:54:47
1	Ti 334.940†	-5.2	29.4	3.90995	ug/L	19.5497	ug/L	12:55:07
1	Y 360.076	235325.5	235325.5	100.089	%			12:55:38
1	Ag 328.068†	78.9	-12.2	0.213297	ug/L	1.06648	ug/L	12:55:38
1	As 188.979†	-21.6	3.8	-2.72825	ug/L	-13.6412	ug/L	12:55:58
1	B 249.677†	1008.8	340.8	12.4662	ug/L	62.3310	ug/L	12:55:58
1	Be 234.861†	-730.6	51.5	0.0462737	ug/L	0.231368	ug/L	12:55:58
1	Cd 214.437†	403.2	-8.9	-1.89494	ug/L	-9.47472	ug/L	12:55:58
1	Ce 413.764†	855.4	40.9	1.10466	ug/L	5.52330	ug/L	12:55:38
1	Co 228.616†	-85.5	-2.9	-2.23491	ug/L	-11.1745	ug/L	12:55:58
1	Cr 205.557†	-24.8	4.0	-0.884142	ug/L	-4.42071	ug/L	12:55:58
1	Cu 327.397†	61.4	57.4	1.64616	ug/L	8.23082	ug/L	12:55:38
1	Mn 257.610†	1947.6	1739.5	10.4226	ug/L	52.1132	ug/L	12:55:58
1	Mo 202.031†	109.0	18.9	3.47979	ug/L	17.3989	ug/L	12:55:58
1	Ni 231.604†	358.1	4.1	-0.904968	ug/L	-4.52484	ug/L	12:55:58
1	Pb 220.353†	40.9	7.6	2.84213	ug/L	14.2107	ug/L	12:55:58
1	Sb 217.584†	-51.6	-4.2	-2.16146	ug/L	-10.8073	ug/L	12:55:58
1	Se 196.026†	-26.7	8.7	27.5341	ug/L	137.670	ug/L	12:55:58
1	Si 251.611†	2959.8	2820.0	256.879	ug/L	1284.39	ug/L	12:55:58
1	Sn 189.927†	-15.9	-22.6	-8.41204	ug/L	-42.0602	ug/L	12:55:58
1	Tl 190.801†	-47.7	-8.9	-7.89937	ug/L	-39.4968	ug/L	12:55:58
1	V 292.395†	-1290.6	25.8	1.39793	ug/L	6.98964	ug/L	12:55:58
1	Zn 206.200†	-34.1	32.7	1.13503	ug/L	5.67514	ug/L	12:55:58
2	Sc 357.234	190330.8	190330.8	102.285	%			12:55:12
2	Al 396.153†	335.2	150.8	37.0158	ug/L	185.079	ug/L	12:55:32
2	Ba 455.398†	4664.9	4607.4	15.0681	ug/L	75.3403	ug/L	12:55:12
2	Ca 315.887†	17062.4	16564.7	10.9691	mg/L	54.8456	mg/L	12:55:12
2	Fe 238.204†	284.4	244.0	103.322	ug/L	516.608	ug/L	12:55:32
2	K 766.490	175.1	124.3	0.125003	mg/L	0.625014	mg/L	12:55:12
2	Li 670.784†	-50.5	12.7	-2.88441	ug/L	-14.4221	ug/L	12:55:12
2	Mg 279.071†	197.3	175.4	0.358127	mg/L	1.79063	mg/L	12:55:32
2	Na 589.592†	4729.8	3959.5	0.590296	mg/L	2.95148	mg/L	12:55:12
2	Sr 407.771†	49888.4	48620.2	60.1532	ug/L	300.766	ug/L	12:55:12
2	Ti 334.940†	-13.0	21.8	3.40805	ug/L	17.0403	ug/L	12:55:32
2	Y 360.076	237306.3	237306.3	100.931	%			12:56:03
2	Ag 328.068†	13.2	-77.9	-0.833190	ug/L	-4.16595	ug/L	12:56:03
2	As 188.979†	-20.1	5.5	0.120793	ug/L	0.603967	ug/L	12:56:23

2	B 249.677†	1007.2	330.9	11.9164 ug/L	59.5818 ug/L	12:56:23
2	Be 234.861†	-738.0	50.2	0.0401153 ug/L	0.200577 ug/L	12:56:23
2	Cd 214.437†	394.4	-21.0	-2.36222 ug/L	-11.8111 ug/L	12:56:23
2	Ce 413.764†	870.4	48.6	1.31413 ug/L	6.57065 ug/L	12:56:03
2	Co 228.616†	-74.2	9.0	-0.379861 ug/L	-1.89931 ug/L	12:56:23
2	Cr 205.557†	-24.7	4.3	-0.864069 ug/L	-4.32034 ug/L	12:56:23
2	Cu 327.397†	42.5	38.2	1.06128 ug/L	5.30641 ug/L	12:56:03
2	Mn 257.610†	1933.0	1708.8	10.2132 ug/L	51.0660 ug/L	12:56:23
2	Mo 202.031†	111.8	20.8	3.71747 ug/L	18.5874 ug/L	12:56:23
2	Ni 231.604†	350.2	-6.7	-1.80782 ug/L	-9.03909 ug/L	12:56:23
2	Pb 220.353†	42.2	8.6	3.43079 ug/L	17.1539 ug/L	12:56:23
2	Sb 217.584†	-51.8	-3.9	-1.92697 ug/L	-9.63487 ug/L	12:56:23
2	Se 196.026†	-40.7	-4.9	-9.08884 ug/L	-45.4442 ug/L	12:56:23
2	Si 251.611†	2955.2	2790.7	254.164 ug/L	1270.82 ug/L	12:56:23
2	Sn 189.927†	-23.4	-29.9	-11.8356 ug/L	-59.1779 ug/L	12:56:23
2	Tl 190.801†	-50.3	-11.2	-10.6277 ug/L	-53.1386 ug/L	12:56:23
2	V 292.395†	-1275.9	51.1	1.95834 ug/L	9.79172 ug/L	12:56:23
2	Zn 206.200†	-37.3	29.8	0.829350 ug/L	4.14675 ug/L	12:56:23

Mean Data: 0B09014-srd1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	190765.0	102.518	%	0.3300				0.32%
Y 360.076	236315.9	100.510	%	0.5957				0.59%
Ag 328.068†	-45.1	-0.309947	ug/L	0.7399775	-1.54973	ug/L	3.699888	238.74%
Al 396.153†	156.2	38.7206	ug/L	2.41090	193.603	ug/L	12.0545	6.23%
As 188.979†	4.7	-1.30373	ug/L	2.014578	-6.51864	ug/L	10.072889	154.52%
B 249.677†	335.8	12.1913	ug/L	0.38879	60.9564	ug/L	1.94395	3.19%
Ba 455.398†	4613.8	15.0892	ug/L	0.02992	75.4460	ug/L	0.14958	0.20%
Be 234.861†	50.8	0.0431945	ug/L	0.00435463	0.215972	ug/L	0.0217732	10.08%
Ca 315.887†	16563.7	10.9684	mg/L	0.00097	54.8421	mg/L	0.00484	0.01%
Cd 214.437†	-14.9	-2.12858	ug/L	0.330411	-10.6429	ug/L	1.65205	15.52%
Ce 413.764†	44.7	1.20939	ug/L	0.148117	6.04697	ug/L	0.740584	12.25%
Co 228.616†	3.1	-1.30738	ug/L	1.311715	-6.53692	ug/L	6.558574	100.33%
Cr 205.557†	4.2	-0.874105	ug/L	0.0141936	-4.37053	ug/L	0.070968	1.62%
Cu 327.397†	47.8	1.35372	ug/L	0.413574	6.76861	ug/L	2.067868	30.55%
Fe 238.204†	244.8	103.664	ug/L	0.4846	518.322	ug/L	2.4232	0.47%
K 766.490	116.7	0.114851	mg/L	0.0143571	0.574254	mg/L	0.0717854	12.50%
Li 670.784†	49.1	-1.83772	ug/L	1.480248	-9.18860	ug/L	7.401242	80.55%
Mg 279.071†	173.9	0.355009	mg/L	0.0044098	1.77504	mg/L	0.022049	1.24%
Mn 257.610†	1724.2	10.3179	ug/L	0.14811	51.5896	ug/L	0.74053	1.44%
Mo 202.031†	19.9	3.59863	ug/L	0.168069	17.9931	ug/L	0.84035	4.67%
Na 589.592†	3947.4	0.588484	mg/L	0.0025624	2.94242	mg/L	0.012812	0.44%
Ni 231.604†	-1.3	-1.35639	ug/L	0.638411	-6.78196	ug/L	3.192055	47.07%
Pb 220.353†	8.1	3.13646	ug/L	0.416245	15.6823	ug/L	2.08123	13.27%
Sb 217.584†	-4.1	-2.04422	ug/L	0.165811	-10.2211	ug/L	0.82905	8.11%
Se 196.026†	1.9	9.22263	ug/L	25.896325	46.1132	ug/L	129.48163	280.79%
Si 251.611†	2805.3	255.521	ug/L	1.9199	1277.61	ug/L	9.600	0.75%
Sn 189.927†	-26.2	-10.1238	ug/L	2.42082	-50.6191	ug/L	12.10408	23.91%
Sr 407.771†	48634.4	60.1709	ug/L	0.02508	300.855	ug/L	0.1254	0.04%
Ti 334.940†	25.6	3.65900	ug/L	0.354893	18.2950	ug/L	1.77447	9.70%
Tl 190.801†	-10.0	-9.26355	ug/L	1.929242	-46.3177	ug/L	9.64621	20.83%
V 292.395†	38.5	1.67814	ug/L	0.396274	8.39068	ug/L	1.981372	23.61%
Zn 206.200†	31.3	0.982189	ug/L	0.2161471	4.91094	ug/L	1.080735	22.01%

==========

Sequence No.: 35
Sample ID: 1001056-ps1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 35
Date Collected: 2/9/2010 12:57:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001056-ps1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	186703.2	186703.2	100.335	%			12:58:43
1	Al 396.153†	4810.5	4617.6	1456.26	ug/L	1456.26	ug/L	12:59:03
1	Ba 455.398†	96160.2	95885.9	319.315	ug/L	319.315	ug/L	12:58:43
1	Ca 315.887†	101454.3	100998.9	66.9609	mg/L	66.9609	mg/L	12:58:43

00183

1	Fe 238.204†	1819.4	1779.2	753.027 ug/L	753.027 ug/L	12:59:03
1	K 766.490	9655.5	9604.8	12.8643 mg/L	12.8643 mg/L	12:59:03
1	Li 670.784†	8696.6	8729.6	247.328 ug/L	247.328 ug/L	12:59:03
1	Mg 279.071†	6597.3	6557.7	13.9703 mg/L	13.9703 mg/L	12:59:03
1	Na 589.592†	103359.9	102350.2	15.3372 mg/L	15.3372 mg/L	12:58:43
1	Sr 407.771†	438530.3	436912.1	547.352 ug/L	547.352 ug/L	12:58:43
1	Ti 334.940†	3633.4	3655.7	241.591 ug/L	241.591 ug/L	12:59:03
1	Y 360.076	232466.7	232466.7	98.8731 %		12:59:34
1	Ag 328.068†	14728.4	14805.2	237.050 ug/L	237.050 ug/L	12:59:34
1	As 188.979†	702.9	736.3	1188.87 ug/L	1188.87 ug/L	12:59:54
1	B 249.677†	7153.7	6568.2	352.233 ug/L	352.233 ug/L	12:59:34
1	Be 234.861†	3992.8	4819.7	23.5939 ug/L	23.5939 ug/L	12:59:54
1	Cd 214.437†	6332.0	5992.4	231.005 ug/L	231.005 ug/L	12:59:54
1	Ce 413.764†	866.7	62.8	1.65581 ug/L	1.65581 ug/L	12:59:34
1	Co 228.616†	1416.1	1514.8	233.148 ug/L	233.148 ug/L	12:59:54
1	Cr 205.557†	2647.7	2706.7	235.945 ug/L	235.945 ug/L	12:59:54
1	Cu 327.397†	8003.4	8090.7	246.443 ug/L	246.443 ug/L	12:59:34
1	Mn 257.610†	43075.5	43360.1	294.709 ug/L	294.709 ug/L	12:59:34
1	Mo 202.031†	1986.2	1918.8	245.134 ug/L	245.134 ug/L	12:59:54
1	Ni 231.604†	3198.6	2881.4	238.997 ug/L	238.997 ug/L	12:59:54
1	Pb 220.353†	433.5	405.2	248.955 ug/L	248.955 ug/L	12:59:54
1	Sb 217.584†	1426.2	1489.8	1153.70 ug/L	1153.70 ug/L	12:59:54
1	Se 196.026†	379.7	419.4	1130.59 ug/L	1130.59 ug/L	12:59:54
1	Si 251.611†	26593.5	26759.3	2484.77 ug/L	2484.77 ug/L	12:59:34
1	Sn 189.927†	2355.3	2375.4	1128.86 ug/L	1128.86 ug/L	12:59:54
1	Tl 190.801†	921.9	971.1	1192.36 ug/L	1192.36 ug/L	12:59:54
1	V 292.395†	9479.3	10902.6	243.302 ug/L	243.302 ug/L	12:59:54
1	Zn 206.200†	2260.7	2353.3	245.283 ug/L	245.283 ug/L	12:59:54
2	Sc 357.234	188300.2	188300.2	101.193 %		12:59:08
2	Al 396.153†	4795.6	4562.2	1438.79 ug/L	1438.79 ug/L	12:59:28
2	Ba 455.398†	97614.4	96510.0	321.396 ug/L	321.396 ug/L	12:59:08
2	Ca 315.887†	103129.8	101797.1	67.4902 mg/L	67.4902 mg/L	12:59:08
2	Fe 238.204†	1829.7	1774.1	750.850 ug/L	750.850 ug/L	12:59:28
2	K 766.490	9681.8	9631.0	12.8995 mg/L	12.8995 mg/L	12:59:28
2	Li 670.784†	8738.4	8697.5	246.405 ug/L	246.405 ug/L	12:59:28
2	Mg 279.071†	6614.0	6518.5	13.8866 mg/L	13.8866 mg/L	12:59:28
2	Na 589.592†	104890.8	102989.3	15.4330 mg/L	15.4330 mg/L	12:59:08
2	Sr 407.771†	445534.5	440126.8	551.385 ug/L	551.385 ug/L	12:59:08
2	Ti 334.940†	3647.5	3638.9	240.492 ug/L	240.492 ug/L	12:59:28
2	Y 360.076	229975.8	229975.8	97.8137 %		12:59:59
2	Ag 328.068†	14708.7	14946.4	239.310 ug/L	239.310 ug/L	12:59:59
2	As 188.979†	702.8	743.9	1201.19 ug/L	1201.19 ug/L	13:00:19
2	B 249.677†	7146.4	6639.1	356.104 ug/L	356.104 ug/L	12:59:59
2	Be 234.861†	4017.3	4888.5	23.9381 ug/L	23.9381 ug/L	13:00:19
2	Cd 214.437†	6345.8	6076.0	234.251 ug/L	234.251 ug/L	13:00:19
2	Ce 413.764†	884.1	90.1	2.39514 ug/L	2.39514 ug/L	12:59:59
2	Co 228.616†	1421.0	1535.3	236.330 ug/L	236.330 ug/L	13:00:19
2	Cr 205.557†	2667.8	2756.2	240.284 ug/L	240.284 ug/L	13:00:19
2	Cu 327.397†	7996.1	8170.9	248.883 ug/L	248.883 ug/L	12:59:59
2	Mn 257.610†	42903.4	43656.0	296.730 ug/L	296.730 ug/L	12:59:59
2	Mo 202.031†	2002.5	1957.2	250.017 ug/L	250.017 ug/L	13:00:19
2	Ni 231.604†	3196.1	2913.8	241.704 ug/L	241.704 ug/L	13:00:19
2	Pb 220.353†	444.7	421.5	259.046 ug/L	259.046 ug/L	13:00:19
2	Sb 217.584†	1432.9	1512.3	1171.08 ug/L	1171.08 ug/L	13:00:19
2	Se 196.026†	385.1	429.0	1156.43 ug/L	1156.43 ug/L	13:00:19
2	Si 251.611†	26487.6	26942.4	2501.88 ug/L	2501.88 ug/L	12:59:59
2	Sn 189.927†	2368.1	2414.4	1147.23 ug/L	1147.23 ug/L	13:00:19
2	Tl 190.801†	916.7	975.9	1198.22 ug/L	1198.22 ug/L	13:00:19
2	V 292.395†	9462.7	10989.4	245.266 ug/L	245.266 ug/L	13:00:19
2	Zn 206.200†	2255.1	2372.3	247.293 ug/L	247.293 ug/L	13:00:19

Mean Data: 1001056-ps1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	187501.7	100.764	%	0.6069				0.60%
Y 360.076	231221.3	98.3434	%	0.74912				0.76%
Ag 328.068†	14875.8	238.180	ug/L	1.5977	238.180	ug/L	1.5977	0.67%
Al 396.153†	4589.9	1447.53	ug/L	12.354	1447.53	ug/L	12.354	0.85%
As 188.979†	740.1	1195.03	ug/L	8.715	1195.03	ug/L	8.715	0.73%
B 249.677†	6603.7	354.169	ug/L	2.7367	354.169	ug/L	2.7367	0.77%

Ba 455.398†	96197.9	320.356 ug/L	1.4711	320.356 ug/L	1.4711	0.46%
Be 234.861†	4854.1	23.7660 ug/L	0.24336	23.7660 ug/L	0.24336	1.02%
Ca 315.887†	101398.0	67.2256 mg/L	0.37430	67.2256 mg/L	0.37430	0.56%
Cd 214.437†	6034.2	232.628 ug/L	2.2957	232.628 ug/L	2.2957	0.99%
Ce 413.764†	76.5	2.02547 ug/L	0.522784	2.02547 ug/L	0.522784	25.81%
Co 228.616†	1525.0	234.739 ug/L	2.2503	234.739 ug/L	2.2503	0.96%
Cr 205.557†	2731.4	238.114 ug/L	3.0682	238.114 ug/L	3.0682	1.29%
Cu 327.397†	8130.8	247.663 ug/L	1.7254	247.663 ug/L	1.7254	0.70%
Fe 238.204†	1776.7	751.939 ug/L	1.5396	751.939 ug/L	1.5396	0.20%
K 766.490	9617.9	12.8819 mg/L	0.02493	12.8819 mg/L	0.02493	0.19%
Li 670.784†	8713.5	246.866 ug/L	0.6530	246.866 ug/L	0.6530	0.26%
Mg 279.071†	6538.1	13.9284 mg/L	0.05917	13.9284 mg/L	0.05917	0.42%
Mn 257.610†	43508.1	295.720 ug/L	1.4291	295.720 ug/L	1.4291	0.48%
Mo 202.031†	1938.0	247.576 ug/L	3.4533	247.576 ug/L	3.4533	1.39%
Na 589.592†	102669.7	15.3851 mg/L	0.06773	15.3851 mg/L	0.06773	0.44%
Ni 231.604†	2897.6	240.351 ug/L	1.9147	240.351 ug/L	1.9147	0.80%
Pb 220.353†	413.3	254.001 ug/L	7.1360	254.001 ug/L	7.1360	2.81%
Sb 217.584†	1501.1	1162.39 ug/L	12.290	1162.39 ug/L	12.290	1.06%
Se 196.026†	424.2	1143.51 ug/L	18.273	1143.51 ug/L	18.273	1.60%
Si 251.611†	26850.8	2493.32 ug/L	12.098	2493.32 ug/L	12.098	0.49%
Sn 189.927†	2394.9	1138.05 ug/L	12.990	1138.05 ug/L	12.990	1.14%
Sr 407.771†	438519.4	549.369 ug/L	2.8521	549.369 ug/L	2.8521	0.52%
Ti 334.940†	3647.3	241.041 ug/L	0.7774	241.041 ug/L	0.7774	0.32%
Tl 190.801†	973.5	1195.29 ug/L	4.143	1195.29 ug/L	4.143	0.35%
V 292.395†	10946.0	244.284 ug/L	1.3893	244.284 ug/L	1.3893	0.57%
Zn 206.200†	2362.8	246.288 ug/L	1.4213	246.288 ug/L	1.4213	0.58%

Sequence No.: 36
Sample ID: 1002038-15
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 36
Date Collected: 2/9/2010 1:01:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002038-15

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	186982.3	186982.3	100.485	%			13:02:41
1	Al 396.153†	737.7	557.2	164.710	ug/L	164.710	ug/L	13:03:01
1	Ba 455.398†	2628.0	2662.1	8.58379	ug/L	8.58379	ug/L	13:02:41
1	Ca 315.887†	12190.5	12015.0	7.95200	mg/L	7.95200	mg/L	13:02:41
1	Fe 238.204†	250.8	215.5	91.1361	ug/L	91.1361	ug/L	13:03:01
1	K 766.490	196.0	145.2	0.153072	mg/L	0.153072	mg/L	13:02:41
1	Li 670.784†	2.2	64.3	-1.40271	ug/L	-1.40271	ug/L	13:02:41
1	Mg 279.071†	1180.6	1157.4	2.45257	mg/L	2.45257	mg/L	13:03:01
1	Na 589.592†	32812.9	31989.9	4.79154	mg/L	4.79154	mg/L	13:02:41
1	Sr 407.771†	13079.0	12861.9	15.2865	ug/L	15.2865	ug/L	13:02:41
1	Ti 334.940†	10.3	44.7	4.91353	ug/L	4.91353	ug/L	13:03:01
1	Y 360.076	232000.3	232000.3	98.6747	%			13:03:33
1	Ag 328.068†	100.5	10.7	0.544264	ug/L	0.544264	ug/L	13:03:33
1	As 188.979†	-22.3	2.8	-4.28394	ug/L	-4.28394	ug/L	13:03:53
1	B 249.677†	815.9	159.8	2.57350	ug/L	2.57350	ug/L	13:03:53
1	Be 234.861†	-742.5	28.9	-0.0626854	ug/L	-0.0626854	ug/L	13:03:53
1	Cd 214.437†	411.4	5.2	-1.35280	ug/L	-1.35280	ug/L	13:03:53
1	Ce 413.764†	854.8	52.5	1.42028	ug/L	1.42028	ug/L	13:03:33
1	Co 228.616†	-85.6	-4.2	-2.44763	ug/L	-2.44763	ug/L	13:03:53
1	Cr 205.557†	-22.3	6.2	-0.698012	ug/L	-0.698012	ug/L	13:03:53
1	Cu 327.397†	38.8	35.4	0.977236	ug/L	0.977236	ug/L	13:03:33
1	Mn 257.610†	1008.6	815.8	4.11316	ug/L	4.11316	ug/L	13:03:53
1	Mo 202.031†	115.6	27.1	4.51853	ug/L	4.51853	ug/L	13:03:53
1	Ni 231.604†	348.0	-1.0	-1.32852	ug/L	-1.32852	ug/L	13:03:53
1	Pb 220.353†	41.4	8.7	3.51920	ug/L	3.51920	ug/L	13:03:53
1	Sb 217.584†	-47.8	-1.1	0.204407	ug/L	0.204407	ug/L	13:03:53
1	Se 196.026†	-38.8	-4.0	-6.57164	ug/L	-6.57164	ug/L	13:03:53
1	Si 251.611†	15128.2	15194.1	1411.57	ug/L	1411.57	ug/L	13:03:33
1	Sn 189.927†	-10.2	-17.0	-6.43961	ug/L	-6.43961	ug/L	13:03:53
1	Tl 190.801†	-46.9	-8.8	-7.75623	ug/L	-7.75623	ug/L	13:03:53
1	V 292.395†	-1243.8	54.7	2.04703	ug/L	2.04703	ug/L	13:03:33
1	Zn 206.200†	-1.6	65.1	4.49245	ug/L	4.49245	ug/L	13:03:53
2	Sc 357.234	184379.8	184379.8	99.0864	%			13:03:07

2	Al 396.153†	737.7	567.6	168.026 ug/L	168.026 ug/L	13:03:27
2	Ba 455.398†	2543.9	2614.1	8.42374 ug/L	8.42374 ug/L	13:03:07
2	Ca 315.887†	12061.9	12056.5	7.97950 mg/L	7.97950 mg/L	13:03:07
2	Fe 238.204†	259.5	227.8	96.3535 ug/L	96.3535 ug/L	13:03:27
2	K 766.490	231.5	180.7	0.200844 mg/L	0.200844 mg/L	13:03:07
2	Li 670.784†	-38.1	23.6	-2.57066 ug/L	-2.57066 ug/L	13:03:07
2	Mg 279.071†	1189.4	1182.9	2.50698 mg/L	2.50698 mg/L	13:03:27
2	Na 589.592†	32516.9	32152.0	4.81584 mg/L	4.81584 mg/L	13:03:07
2	Sr 407.771†	12911.3	12876.4	15.3046 ug/L	15.3046 ug/L	13:03:07
2	Ti 334.940†	8.8	43.3	4.82165 ug/L	4.82165 ug/L	13:03:27
2	Y 360.076	233187.7	233187.7	99.1798 %		13:03:58
2	Ag 328.068†	104.2	14.0	0.592258 ug/L	0.592258 ug/L	13:03:58
2	As 188.979†	-25.3	-0.1	-9.01030 ug/L	-9.01030 ug/L	13:04:18
2	B 249.677†	814.7	154.4	2.27213 ug/L	2.27213 ug/L	13:04:18
2	Be 234.861†	-770.6	4.4	-0.186915 ug/L	-0.186915 ug/L	13:04:18
2	Cd 214.437†	420.7	12.5	-1.06917 ug/L	-1.06917 ug/L	13:04:18
2	Ce 413.764†	817.9	10.9	0.295005 ug/L	0.295005 ug/L	13:03:58
2	Co 228.616†	-80.8	1.1	-1.61581 ug/L	-1.61581 ug/L	13:04:18
2	Cr 205.557†	-23.1	5.5	-0.761479 ug/L	-0.761479 ug/L	13:04:18
2	Cu 327.397†	33.6	29.9	0.811158 ug/L	0.811158 ug/L	13:03:58
2	Mn 257.610†	1010.8	812.9	4.09356 ug/L	4.09356 ug/L	13:04:18
2	Mo 202.031†	105.9	16.8	3.20321 ug/L	3.20321 ug/L	13:04:18
2	Ni 231.604†	352.7	1.9	-1.09223 ug/L	-1.09223 ug/L	13:04:18
2	Pb 220.353†	35.6	2.7	-0.226433 ug/L	-0.226433 ug/L	13:04:18
2	Sb 217.584†	-56.0	-9.0	-5.92497 ug/L	-5.92497 ug/L	13:04:18
2	Se 196.026†	-44.0	-9.0	-20.0803 ug/L	-20.0803 ug/L	13:04:18
2	Si 251.611†	15199.3	15187.8	1410.98 ug/L	1410.98 ug/L	13:03:58
2	Sn 189.927†	-5.6	-12.3	-4.25371 ug/L	-4.25371 ug/L	13:04:18
2	Tl 190.801†	-45.7	-7.4	-6.01504 ug/L	-6.01504 ug/L	13:04:18
2	V 292.395†	-1192.4	113.0	3.31592 ug/L	3.31592 ug/L	13:03:58
2	Zn 206.200†	-0.9	65.9	4.56878 ug/L	4.56878 ug/L	13:04:18

Mean Data: 1002038-15

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	185681.0	99.7857	%	0.98894				0.99%
Y 360.076	232594.0	98.9272	%	0.35711				0.36%
Ag 328.068†	12.4	0.568261	ug/L	0.0339368	0.568261	ug/L	0.0339368	5.97%
Al 396.153†	562.4	166.368	ug/L	2.3451	166.368	ug/L	2.3451	1.41%
As 188.979†	1.4	-6.64712	ug/L	3.342044	-6.64712	ug/L	3.342044	50.28%
B 249.677†	157.1	2.42281	ug/L	0.213095	2.42281	ug/L	0.213095	8.80%
Ba 455.398†	2638.1	8.50376	ug/L	0.113171	8.50376	ug/L	0.113171	1.33%
Be 234.861†	16.6	-0.124800	ug/L	0.0878435	-0.124800	ug/L	0.0878435	70.39%
Ca 315.887†	12035.7	7.96575	mg/L	0.019441	7.96575	mg/L	0.019441	0.24%
Cd 214.437†	8.9	-1.21099	ug/L	0.200555	-1.21099	ug/L	0.200555	16.56%
Ce 413.764†	31.7	0.857644	ug/L	0.7956920	0.857644	ug/L	0.7956920	92.78%
Co 228.616†	-1.6	-2.03172	ug/L	0.588182	-2.03172	ug/L	0.588182	28.95%
Cr 205.557†	5.8	-0.729746	ug/L	0.0448776	-0.729746	ug/L	0.0448776	6.15%
Cu 327.397†	32.7	0.894197	ug/L	0.1174347	0.894197	ug/L	0.1174347	13.13%
Fe 238.204†	221.7	93.7448	ug/L	3.68927	93.7448	ug/L	3.68927	3.94%
K 766.490	163.0	0.176958	mg/L	0.0337801	0.176958	mg/L	0.0337801	19.09%
Li 670.784†	43.9	-1.98668	ug/L	0.825865	-1.98668	ug/L	0.825865	41.57%
Mg 279.071†	1170.1	2.47977	mg/L	0.038476	2.47977	mg/L	0.038476	1.55%
Mn 257.610†	814.3	4.10336	ug/L	0.013856	4.10336	ug/L	0.013856	0.34%
Mo 202.031†	21.9	3.86087	ug/L	0.930068	3.86087	ug/L	0.930068	24.09%
Na 589.592†	32071.0	4.80369	mg/L	0.017180	4.80369	mg/L	0.017180	0.36%
Ni 231.604†	0.4	-1.21037	ug/L	0.167082	-1.21037	ug/L	0.167082	13.80%
Pb 220.353†	5.7	1.64638	ug/L	2.648564	1.64638	ug/L	2.648564	160.87%
Sb 217.584†	-5.1	-2.86028	ug/L	4.334125	-2.86028	ug/L	4.334125	151.53%
Se 196.026†	-6.5	-13.3260	ug/L	9.55209	-13.3260	ug/L	9.55209	71.68%
Si 251.611†	15191.0	1411.27	ug/L	0.415	1411.27	ug/L	0.415	0.03%
Sn 189.927†	-14.6	-5.34666	ug/L	1.545662	-5.34666	ug/L	1.545662	28.91%
Sr 407.771†	12869.2	15.2955	ug/L	0.01284	15.2955	ug/L	0.01284	0.08%
Ti 334.940†	44.0	4.86759	ug/L	0.064970	4.86759	ug/L	0.064970	1.33%
Tl 190.801†	-8.1	-6.88564	ug/L	1.231208	-6.88564	ug/L	1.231208	17.88%
V 292.395†	83.8	2.68147	ug/L	0.897237	2.68147	ug/L	0.897237	33.46%
Zn 206.200†	65.5	4.53062	ug/L	0.053973	4.53062	ug/L	0.053973	1.19%

Sequence No.: 37 **Autosampler Location: 4**

Sample ID: 0B09014-CCV
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 2/9/2010 1:05:32 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B09014-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	191282.7	191282.7	102.796	%			13:06:39
1	Al 396.153†	8350.5	7946.5	2488.99	ug/L	2488.99	ug/L	13:06:39
1	Ba 455.398†	154414.9	150261.5	500.559	ug/L	500.559	ug/L	13:06:39
1	Ca 315.887†	7676.2	7350.8	4.85899	mg/L	4.85899	mg/L	13:06:59
1	Fe 238.204†	1204.0	1137.2	481.227	ug/L	481.227	ug/L	13:06:59
1	K 766.490	3773.5	3722.8	4.96041	mg/L	4.96041	mg/L	13:06:59
1	Li 670.784†	18222.3	17788.7	507.361	ug/L	507.361	ug/L	13:06:39
1	Mg 279.071†	2388.0	2305.5	4.90132	mg/L	4.90132	mg/L	13:06:59
1	Na 589.592†	35150.1	33529.3	5.02227	mg/L	5.02227	mg/L	13:06:39
1	Sr 407.771†	409647.6	398351.0	498.968	ug/L	498.968	ug/L	13:06:39
1	Ti 334.940†	7538.1	7367.5	484.878	ug/L	484.878	ug/L	13:06:59
1	Y 360.076	234382.5	234382.5	99.6879	%			13:07:31
1	Ag 328.068†	31314.0	31321.0	499.463	ug/L	499.463	ug/L	13:07:31
1	As 188.979†	1511.0	1541.1	2498.12	ug/L	2498.12	ug/L	13:07:51
1	B 249.677†	9391.4	8753.8	470.916	ug/L	470.916	ug/L	13:07:31
1	Be 234.861†	9311.7	10122.2	50.1186	ug/L	50.1186	ug/L	13:07:51
1	Cd 214.437†	13265.6	12895.4	499.127	ug/L	499.127	ug/L	13:07:51
1	Ce 413.764†	763.8	-47.5	-1.37373	ug/L	-1.37373	ug/L	13:07:31
1	Co 228.616†	3152.8	3245.2	501.610	ug/L	501.610	ug/L	13:07:51
1	Cr 205.557†	5685.8	5732.4	501.033	ug/L	501.033	ug/L	13:07:51
1	Cu 327.397†	16076.0	16122.4	491.189	ug/L	491.189	ug/L	13:07:31
1	Mn 257.610†	72808.0	72829.6	495.972	ug/L	495.972	ug/L	13:07:31
1	Mo 202.031†	3984.5	3906.9	498.014	ug/L	498.014	ug/L	13:07:51
1	Ni 231.604†	6372.0	6038.3	502.177	ug/L	502.177	ug/L	13:07:51
1	Pb 220.353†	839.8	809.2	499.124	ug/L	499.124	ug/L	13:07:51
1	Sb 217.584†	3181.8	3239.1	2503.89	ug/L	2503.89	ug/L	13:07:51
1	Se 196.026†	894.3	932.4	2507.13	ug/L	2507.13	ug/L	13:07:51
1	Si 251.611†	26591.3	26537.3	2457.61	ug/L	2457.61	ug/L	13:07:31
1	Sn 189.927†	5285.0	5294.8	2484.98	ug/L	2484.98	ug/L	13:07:51
1	Tl 190.801†	1993.5	2038.5	2499.28	ug/L	2499.28	ug/L	13:07:51
1	V 292.395†	20937.8	22318.6	497.364	ug/L	497.364	ug/L	13:07:31
1	Zn 206.200†	4693.9	4775.4	500.790	ug/L	500.790	ug/L	13:07:51
2	Sc 357.234	189146.2	189146.2	101.648	%			13:07:04
2	Al 396.153†	8284.9	7973.6	2497.66	ug/L	2497.66	ug/L	13:07:04
2	Ba 455.398†	153282.6	150844.3	502.502	ug/L	502.502	ug/L	13:07:04
2	Ca 315.887†	7746.0	7503.8	4.96046	mg/L	4.96046	mg/L	13:07:24
2	Fe 238.204†	1223.7	1169.8	495.045	ug/L	495.045	ug/L	13:07:24
2	K 766.490	3806.4	3755.6	5.00450	mg/L	5.00450	mg/L	13:07:24
2	Li 670.784†	18140.5	17908.5	510.798	ug/L	510.798	ug/L	13:07:04
2	Mg 279.071†	2418.0	2361.3	5.02031	mg/L	5.02031	mg/L	13:07:24
2	Na 589.592†	34989.3	33757.4	5.05645	mg/L	5.05645	mg/L	13:07:04
2	Sr 407.771†	407127.5	400373.2	501.506	ug/L	501.506	ug/L	13:07:04
2	Ti 334.940†	7598.8	7510.0	494.221	ug/L	494.221	ug/L	13:07:24
2	Y 360.076	235829.1	235829.1	100.303	%			13:07:56
2	Ag 328.068†	31330.0	31144.3	496.655	ug/L	496.655	ug/L	13:07:56
2	As 188.979†	1508.4	1529.2	2478.73	ug/L	2478.73	ug/L	13:08:16
2	B 249.677†	9468.3	8772.6	471.954	ug/L	471.954	ug/L	13:07:56
2	Be 234.861†	9270.6	10024.0	49.6240	ug/L	49.6240	ug/L	13:08:16
2	Cd 214.437†	13233.0	12781.3	494.695	ug/L	494.695	ug/L	13:08:16
2	Ce 413.764†	806.1	-10.1	-0.363607	ug/L	-0.363607	ug/L	13:07:56
2	Co 228.616†	3137.0	3210.1	496.129	ug/L	496.129	ug/L	13:08:16
2	Cr 205.557†	5662.0	5673.7	495.889	ug/L	495.889	ug/L	13:08:16
2	Cu 327.397†	16162.0	16109.2	490.794	ug/L	490.794	ug/L	13:07:56
2	Mn 257.610†	73294.4	72866.5	496.224	ug/L	496.224	ug/L	13:07:56
2	Mo 202.031†	3978.2	3876.2	494.099	ug/L	494.099	ug/L	13:08:16
2	Ni 231.604†	6357.3	5984.4	497.685	ug/L	497.685	ug/L	13:08:16
2	Pb 220.353†	837.8	802.0	494.651	ug/L	494.651	ug/L	13:08:16
2	Sb 217.584†	3151.0	3188.8	2465.11	ug/L	2465.11	ug/L	13:08:16
2	Se 196.026†	882.3	915.0	2460.46	ug/L	2460.46	ug/L	13:08:16
2	Si 251.611†	26706.2	26488.2	2452.78	ug/L	2452.78	ug/L	13:07:56
2	Sn 189.927†	5288.3	5265.6	2471.30	ug/L	2471.30	ug/L	13:08:16
2	Tl 190.801†	1996.5	2029.2	2488.07	ug/L	2488.07	ug/L	13:08:16

2	V 292.395†	20990.5	22242.3	495.634 ug/L	495.634 ug/L	13:07:56
2	Zn 206.200†	4692.4	4745.0	497.588 ug/L	497.588 ug/L	13:08:16

Mean Data: 0B09014-CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	190214.5	102.222	%	0.8119				0.79%
Y 360.076	235105.8	99.9955	%	0.43507				0.44%
Ag 328.068†	31232.7	498.059	ug/L	1.9855	498.059	ug/L	1.9855	0.40%
QC value within limits for Ag 328.068 Recovery = 99.61%								
Al 396.153†	7960.1	2493.32	ug/L	6.134	2493.32	ug/L	6.134	0.25%
QC value within limits for Al 396.153 Recovery = 99.73%								
As 188.979†	1535.2	2488.43	ug/L	13.711	2488.43	ug/L	13.711	0.55%
QC value within limits for As 188.979 Recovery = 99.54%								
B 249.677†	8763.2	471.435	ug/L	0.7336	471.435	ug/L	0.7336	0.16%
QC value within limits for B 249.677 Recovery = 94.29%								
Ba 455.398†	150552.9	501.531	ug/L	1.3737	501.531	ug/L	1.3737	0.27%
QC value within limits for Ba 455.398 Recovery = 100.31%								
Be 234.861†	10073.1	49.8713	ug/L	0.34974	49.8713	ug/L	0.34974	0.70%
QC value within limits for Be 234.861 Recovery = 99.74%								
Ca 315.887†	7427.3	4.90972	mg/L	0.071750	4.90972	mg/L	0.071750	1.46%
QC value within limits for Ca 315.887 Recovery = 98.19%								
Cd 214.437†	12838.4	496.911	ug/L	3.1338	496.911	ug/L	3.1338	0.63%
QC value within limits for Cd 214.437 Recovery = 99.38%								
Ce 413.764†	-28.8	-0.868671	ug/L	0.7142680	-0.868671	ug/L	0.7142680	82.23%
Co 228.616†	3227.6	498.869	ug/L	3.8760	498.869	ug/L	3.8760	0.78%
QC value within limits for Co 228.616 Recovery = 99.77%								
Cr 205.557†	5703.1	498.461	ug/L	3.6377	498.461	ug/L	3.6377	0.73%
QC value within limits for Cr 205.557 Recovery = 99.69%								
Cu 327.397†	16115.8	490.991	ug/L	0.2793	490.991	ug/L	0.2793	0.06%
QC value within limits for Cu 327.397 Recovery = 98.20%								
Fe 238.204†	1153.5	488.136	ug/L	9.7713	488.136	ug/L	9.7713	2.00%
QC value within limits for Fe 238.204 Recovery = 97.63%								
K 766.490	3739.2	4.98246	mg/L	0.031178	4.98246	mg/L	0.031178	0.63%
QC value within limits for K 766.490 Recovery = 99.65%								
Li 670.784†	17848.6	509.080	ug/L	2.4305	509.080	ug/L	2.4305	0.48%
QC value within limits for Li 670.784 Recovery = 101.82%								
Mg 279.071†	2333.4	4.96082	mg/L	0.084137	4.96082	mg/L	0.084137	1.70%
QC value within limits for Mg 279.071 Recovery = 99.22%								
Mn 257.610†	72848.0	496.098	ug/L	0.1782	496.098	ug/L	0.1782	0.04%
QC value within limits for Mn 257.610 Recovery = 99.22%								
Mo 202.031†	3891.5	496.056	ug/L	2.7689	496.056	ug/L	2.7689	0.56%
QC value within limits for Mo 202.031 Recovery = 99.21%								
Na 589.592†	33643.4	5.03936	mg/L	0.024168	5.03936	mg/L	0.024168	0.48%
QC value within limits for Na 589.592 Recovery = 100.79%								
Ni 231.604†	6011.3	499.931	ug/L	3.1761	499.931	ug/L	3.1761	0.64%
QC value within limits for Ni 231.604 Recovery = 99.99%								
Pb 220.353†	805.6	496.888	ug/L	3.1627	496.888	ug/L	3.1627	0.64%
QC value within limits for Pb 220.353 Recovery = 99.38%								
Sb 217.584†	3214.0	2484.50	ug/L	27.423	2484.50	ug/L	27.423	1.10%
QC value within limits for Sb 217.584 Recovery = 99.38%								
Se 196.026†	923.7	2483.80	ug/L	33.002	2483.80	ug/L	33.002	1.33%
QC value within limits for Se 196.026 Recovery = 99.35%								
Si 251.611†	26512.8	2455.20	ug/L	3.413	2455.20	ug/L	3.413	0.14%
QC value within limits for Si 251.611 Recovery = 98.21%								
Sn 189.927†	5280.2	2478.14	ug/L	9.671	2478.14	ug/L	9.671	0.39%
QC value within limits for Sn 189.927 Recovery = 99.13%								
Sr 407.771†	399362.1	500.237	ug/L	1.7941	500.237	ug/L	1.7941	0.36%
QC value within limits for Sr 407.771 Recovery = 100.05%								
Ti 334.940†	7438.8	489.549	ug/L	6.6063	489.549	ug/L	6.6063	1.35%
QC value within limits for Ti 334.940 Recovery = 97.91%								
Tl 190.801†	2033.8	2493.67	ug/L	7.931	2493.67	ug/L	7.931	0.32%
QC value within limits for Tl 190.801 Recovery = 99.75%								
V 292.395†	22280.5	496.499	ug/L	1.2230	496.499	ug/L	1.2230	0.25%
QC value within limits for V 292.395 Recovery = 99.30%								
Zn 206.200†	4760.2	499.189	ug/L	2.2637	499.189	ug/L	2.2637	0.45%
QC value within limits for Zn 206.200 Recovery = 99.84%								

All analyte(s) passed QC.

Sequence No.: 38
Sample ID: 0B09014-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 2/9/2010 1:09:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B09014-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	188332.1	188332.1	101.210	%			13:10:35
1	Al 396.153†	186.5	7.4	-10.7043	ug/L	-10.7043	ug/L	13:10:35
1	Ba 455.398†	-89.4	-41.6	-0.427885	ug/L	-0.427885	ug/L	13:10:35
1	Ca 315.887†	127.2	9.0	-0.0096551	mg/L	-0.0096551	mg/L	13:10:55
1	Fe 238.204†	39.2	4.7	1.91228	ug/L	1.91228	ug/L	13:10:55
1	K 766.490	90.5	39.7	0.0113341	mg/L	0.0113341	mg/L	13:10:35
1	Li 670.784†	-65.0	-2.2	-3.30997	ug/L	-3.30997	ug/L	13:10:35
1	Mg 279.071†	21.4	3.7	-0.0080344	mg/L	-0.0080344	mg/L	13:10:55
1	Na 589.592†	635.5	-36.8	-0.0086652	mg/L	-0.0086652	mg/L	13:10:35
1	Sr 407.771†	192.8	36.6	-0.805746	ug/L	-0.805746	ug/L	13:10:35
1	Ti 334.940†	-28.7	6.1	2.37853	ug/L	2.37853	ug/L	13:10:55
1	Y 360.076	235763.7	235763.7	100.275	%			13:11:26
1	Ag 328.068†	86.1	-5.2	0.182057	ug/L	0.182057	ug/L	13:11:26
1	As 188.979†	-17.2	8.2	4.49885	ug/L	4.49885	ug/L	13:11:46
1	B 249.677†	523.3	-145.2	-14.1129	ug/L	-14.1129	ug/L	13:11:46
1	Be 234.861†	-746.7	36.7	0.0075524	ug/L	0.0075524	ug/L	13:11:46
1	Cd 214.437†	412.3	-0.5	-1.54497	ug/L	-1.54497	ug/L	13:11:46
1	Ce 413.764†	826.7	10.7	0.288928	ug/L	0.288928	ug/L	13:11:26
1	Co 228.616†	-73.7	9.1	-0.370657	ug/L	-0.370657	ug/L	13:11:46
1	Cr 205.557†	-28.1	0.8	-1.17454	ug/L	-1.17454	ug/L	13:11:46
1	Cu 327.397†	6.2	2.3	-0.0337182	ug/L	-0.0337182	ug/L	13:11:26
1	Mn 257.610†	195.5	-11.4	-1.53938	ug/L	-1.53938	ug/L	13:11:46
1	Mo 202.031†	81.6	-8.7	-0.0335896	ug/L	-0.0335896	ug/L	13:11:46
1	Ni 231.604†	335.7	-18.9	-2.83313	ug/L	-2.83313	ug/L	13:11:46
1	Pb 220.353†	29.7	-3.6	-4.14966	ug/L	-4.14966	ug/L	13:11:46
1	Sb 217.584†	-44.5	3.0	3.12490	ug/L	3.12490	ug/L	13:11:46
1	Se 196.026†	-32.7	2.7	11.3122	ug/L	11.3122	ug/L	13:11:46
1	Si 251.611†	51.9	-85.5	-14.2314	ug/L	-14.2314	ug/L	13:11:46
1	Sn 189.927†	6.0	-0.7	-0.534065	ug/L	-0.534065	ug/L	13:11:46
1	Tl 190.801†	-42.4	-3.6	-1.36095	ug/L	-1.36095	ug/L	13:11:46
1	V 292.395†	-1310.2	8.7	1.00209	ug/L	1.00209	ug/L	13:11:26
1	Zn 206.200†	-52.9	14.0	-0.822334	ug/L	-0.822334	ug/L	13:11:46
2	Sc 357.234	186664.6	186664.6	100.314	%			13:11:00
2	Al 396.153†	193.4	15.9	-8.03277	ug/L	-8.03277	ug/L	13:11:00
2	Ba 455.398†	-80.8	-33.8	-0.402143	ug/L	-0.402143	ug/L	13:11:00
2	Ca 315.887†	113.6	-3.3	-0.0178497	mg/L	-0.0178497	mg/L	13:11:20
2	Fe 238.204†	38.4	4.2	1.74228	ug/L	1.74228	ug/L	13:11:20
2	K 766.490	79.9	29.1	-0.0028850	mg/L	-0.0028850	mg/L	13:11:00
2	Li 670.784†	-5.5	56.6	-1.62314	ug/L	-1.62314	ug/L	13:11:00
2	Mg 279.071†	12.4	-5.2	-0.0269406	mg/L	-0.0269406	mg/L	13:11:20
2	Na 589.592†	593.9	-72.6	-0.0140441	mg/L	-0.0140441	mg/L	13:11:00
2	Sr 407.771†	165.9	11.4	-0.837353	ug/L	-0.837353	ug/L	13:11:00
2	Ti 334.940†	-24.5	10.0	2.63550	ug/L	2.63550	ug/L	13:11:20
2	Y 360.076	236336.1	236336.1	100.519	%			13:11:52
2	Ag 328.068†	80.4	-11.0	0.0936563	ug/L	0.0936563	ug/L	13:11:52
2	As 188.979†	-21.2	4.3	-1.90160	ug/L	-1.90160	ug/L	13:12:12
2	B 249.677†	509.0	-160.7	-14.9572	ug/L	-14.9572	ug/L	13:12:12
2	Be 234.861†	-755.6	29.7	-0.0276558	ug/L	-0.0276558	ug/L	13:12:12
2	Cd 214.437†	407.6	-6.2	-1.76690	ug/L	-1.76690	ug/L	13:12:12
2	Ce 413.764†	865.0	46.8	1.26561	ug/L	1.26561	ug/L	13:11:52
2	Co 228.616†	-83.2	-0.2	-1.81552	ug/L	-1.81552	ug/L	13:12:12
2	Cr 205.557†	-22.4	6.5	-0.671890	ug/L	-0.671890	ug/L	13:12:12
2	Cu 327.397†	7.8	3.8	0.0137081	ug/L	0.0137081	ug/L	13:11:52
2	Mn 257.610†	201.0	-6.4	-1.50542	ug/L	-1.50542	ug/L	13:12:12
2	Mo 202.031†	91.2	0.7	1.15859	ug/L	1.15859	ug/L	13:12:12
2	Ni 231.604†	340.6	-14.8	-2.48855	ug/L	-2.48855	ug/L	13:12:12
2	Pb 220.353†	34.3	1.0	-1.30215	ug/L	-1.30215	ug/L	13:12:12
2	Sb 217.584†	-44.1	3.5	3.48668	ug/L	3.48668	ug/L	13:12:12
2	Se 196.026†	-30.1	5.4	18.4767	ug/L	18.4767	ug/L	13:12:12
2	Si 251.611†	52.6	-84.9	-14.1862	ug/L	-14.1862	ug/L	13:12:12
2	Sn 189.927†	11.6	4.9	2.05957	ug/L	2.05957	ug/L	13:12:12

2	Tl 190.801†	-36.5	2.4	5.96231 ug/L	5.96231 ug/L	13:12:12
2	V 292.395†	-1268.6	53.2	1.99598 ug/L	1.99598 ug/L	13:11:52
2	Zn 206.200†	-64.0	3.2	-1.96506 ug/L	-1.96506 ug/L	13:12:12

Mean Data: 0B09014-CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	187498.4	100.762	%	0.6337				0.63%
Y 360.076	236049.9	100.397	%	0.1721				0.17%
Ag 328.068†	-8.1	0.137857	ug/L	0.0625087	0.137857	ug/L	0.0625087	45.34%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	11.7	-9.36852	ug/L	1.889039	-9.36852	ug/L	1.889039	20.16%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	6.3	1.29862	ug/L	4.525803	1.29862	ug/L	4.525803	348.51%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-153.0	-14.5351	ug/L	0.59698	-14.5351	ug/L	0.59698	4.11%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	-37.7	-0.415014	ug/L	0.0182025	-0.415014	ug/L	0.0182025	4.39%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	33.2	-0.0100517	ug/L	0.02489591	-0.0100517	ug/L	0.02489591	247.68%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	2.9	-0.0137524	mg/L	0.00579449	-0.0137524	mg/L	0.00579449	42.13%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	-3.4	-1.65594	ug/L	0.156932	-1.65594	ug/L	0.156932	9.48%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	28.8	0.777271	ug/L	0.6906214	0.777271	ug/L	0.6906214	88.85%
Co 228.616†	4.4	-1.09309	ug/L	1.021669	-1.09309	ug/L	1.021669	93.47%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	3.7	-0.923217	ug/L	0.3554296	-0.923217	ug/L	0.3554296	38.50%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	3.0	-0.0100050	ug/L	0.03353542	-0.0100050	ug/L	0.03353542	335.19%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	4.5	1.82728	ug/L	0.120207	1.82728	ug/L	0.120207	6.58%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	34.4	0.0042245	mg/L	0.01005441	0.0042245	mg/L	0.01005441	238.00%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	27.2	-2.46655	ug/L	1.192766	-2.46655	ug/L	1.192766	48.36%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	-0.8	-0.0174875	mg/L	0.01336872	-0.0174875	mg/L	0.01336872	76.45%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	-8.9	-1.52240	ug/L	0.024010	-1.52240	ug/L	0.024010	1.58%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-4.0	0.562502	ug/L	0.8430011	0.562502	ug/L	0.8430011	149.87%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-54.7	-0.0113547	mg/L	0.00380346	-0.0113547	mg/L	0.00380346	33.50%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-16.9	-2.66084	ug/L	0.243654	-2.66084	ug/L	0.243654	9.16%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-1.3	-2.72591	ug/L	2.013496	-2.72591	ug/L	2.013496	73.87%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	3.3	3.30579	ug/L	0.255811	3.30579	ug/L	0.255811	7.74%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	4.0	14.8944	ug/L	5.06612	14.8944	ug/L	5.06612	34.01%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	-85.2	-14.2088	ug/L	0.03198	-14.2088	ug/L	0.03198	0.23%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	2.1	0.762752	ug/L	1.8339757	0.762752	ug/L	1.8339757	240.44%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	24.0	-0.821549	ug/L	0.0223494	-0.821549	ug/L	0.0223494	2.72%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	8.0	2.50701	ug/L	0.181708	2.50701	ug/L	0.181708	7.25%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-0.6	2.30068	ug/L	5.178328	2.30068	ug/L	5.178328	225.08%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	30.9	1.49904	ug/L	0.702785	1.49904	ug/L	0.702785	46.88%
QC value within limits for V 292.395 Recovery = Not calculated								
Zn 206.200†	8.6	-1.39369	ug/L	0.808026	-1.39369	ug/L	0.808026	57.98%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 39
Sample ID: 1002038-16
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 37
Date Collected: 2/9/2010 1:13:24 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002038-16

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	191100.7	191100.7	102.698	%			13:14:31
1	Al 396.153†	1582.1	1363.6	418.735	ug/L	418.735	ug/L	13:14:51
1	Ba 455.398†	15695.3	15329.6	50.8070	ug/L	50.8070	ug/L	13:14:31
1	Ca 315.887†	7380.9	7070.3	4.67298	mg/L	4.67298	mg/L	13:14:51
1	Fe 238.204†	635.9	585.2	247.906	ug/L	247.906	ug/L	13:14:51
1	K 766.490	269.4	218.6	0.251733	mg/L	0.251733	mg/L	13:14:51
1	Li 670.784†	81.8	141.7	0.820769	ug/L	0.820769	ug/L	13:14:51
1	Mg 279.071†	304.5	279.0	0.579247	mg/L	0.579247	mg/L	13:14:51
1	Na 589.592†	28544.4	27129.8	4.06310	mg/L	4.06310	mg/L	13:14:31
1	Sr 407.771†	25549.1	24723.9	30.1700	ug/L	30.1700	ug/L	13:14:31
1	Ti 334.940†	349.2	374.4	26.5242	ug/L	26.5242	ug/L	13:14:51
1	Y 360.076	231316.6	231316.6	98.3839	%			13:15:23
1	Ag 328.068†	43.0	-47.4	-0.392089	ug/L	-0.392089	ug/L	13:15:23
1	As 188.979†	-15.0	10.2	7.49679	ug/L	7.49679	ug/L	13:15:43
1	B 249.677†	660.8	4.6	-5.90413	ug/L	-5.90413	ug/L	13:15:43
1	Be 234.861†	-740.8	28.4	-0.119530	ug/L	-0.119530	ug/L	13:15:43
1	Cd 214.437†	420.6	15.8	-0.980763	ug/L	-0.980763	ug/L	13:15:43
1	Ce 413.764†	894.3	95.2	2.56681	ug/L	2.56681	ug/L	13:15:23
1	Co 228.616†	-92.5	-11.5	-3.63128	ug/L	-3.63128	ug/L	13:15:43
1	Cr 205.557†	-30.4	-2.1	-1.41326	ug/L	-1.41326	ug/L	13:15:43
1	Cu 327.397†	48.6	45.4	1.29764	ug/L	1.29764	ug/L	13:15:23
1	Mn 257.610†	1540.7	1359.7	7.83387	ug/L	7.83387	ug/L	13:15:43
1	Mo 202.031†	94.0	5.5	1.77048	ug/L	1.77048	ug/L	13:15:43
1	Ni 231.604†	350.2	2.3	-1.06059	ug/L	-1.06059	ug/L	13:15:43
1	Pb 220.353†	45.5	13.0	6.18828	ug/L	6.18828	ug/L	13:15:43
1	Sb 217.584†	-45.1	1.6	2.72508	ug/L	2.72508	ug/L	13:15:43
1	Se 196.026†	-38.1	-3.4	-4.74540	ug/L	-4.74540	ug/L	13:15:43
1	Si 251.611†	13934.0	14025.6	1302.00	ug/L	1302.00	ug/L	13:15:23
1	Sn 189.927†	-6.5	-13.3	-5.42385	ug/L	-5.42385	ug/L	13:15:43
1	Tl 190.801†	-45.3	-7.4	-5.73583	ug/L	-5.73583	ug/L	13:15:43
1	V 292.395†	-1100.7	196.4	5.09848	ug/L	5.09848	ug/L	13:15:23
1	Zn 206.200†	-0.8	66.0	4.61638	ug/L	4.61638	ug/L	13:15:43
2	Sc 357.234	187989.7	187989.7	101.026	%			13:14:56
2	Al 396.153†	1607.7	1414.5	434.805	ug/L	434.805	ug/L	13:15:17
2	Ba 455.398†	15568.4	15457.0	51.2316	ug/L	51.2316	ug/L	13:14:56
2	Ca 315.887†	7376.0	7184.4	4.74865	mg/L	4.74865	mg/L	13:15:17
2	Fe 238.204†	628.2	587.7	248.990	ug/L	248.990	ug/L	13:15:17
2	K 766.490	284.8	234.0	0.272429	mg/L	0.272429	mg/L	13:15:17
2	Li 670.784†	88.7	149.9	1.05394	ug/L	1.05394	ug/L	13:15:17
2	Mg 279.071†	300.9	280.3	0.581933	mg/L	0.581933	mg/L	13:15:17
2	Na 589.592†	28361.7	27409.0	4.10494	mg/L	4.10494	mg/L	13:14:56
2	Sr 407.771†	25258.3	24847.8	30.3254	ug/L	30.3254	ug/L	13:14:56
2	Ti 334.940†	351.8	382.7	27.0625	ug/L	27.0625	ug/L	13:15:17
2	Y 360.076	234420.0	234420.0	99.7039	%			13:15:48
2	Ag 328.068†	15.0	-76.1	-0.862296	ug/L	-0.862296	ug/L	13:15:48
2	As 188.979†	-23.7	1.6	-6.43370	ug/L	-6.43370	ug/L	13:16:08
2	B 249.677†	676.8	11.7	-5.52053	ug/L	-5.52053	ug/L	13:16:08
2	Be 234.861†	-732.7	46.5	-0.0300899	ug/L	-0.0300899	ug/L	13:16:08
2	Cd 214.437†	418.8	8.3	-1.27558	ug/L	-1.27558	ug/L	13:16:08
2	Ce 413.764†	801.8	-9.6	-0.268768	ug/L	-0.268768	ug/L	13:15:48
2	Co 228.616†	-84.1	-1.8	-2.12632	ug/L	-2.12632	ug/L	13:16:08
2	Cr 205.557†	-24.9	3.8	-0.894200	ug/L	-0.894200	ug/L	13:16:08
2	Cu 327.397†	33.4	29.5	0.811592	ug/L	0.811592	ug/L	13:15:48
2	Mn 257.610†	1539.3	1337.5	7.68280	ug/L	7.68280	ug/L	13:16:08
2	Mo 202.031†	98.1	8.4	2.14230	ug/L	2.14230	ug/L	13:16:08
2	Ni 231.604†	367.4	14.8	-0.0158656	ug/L	-0.0158656	ug/L	13:16:08
2	Pb 220.353†	39.5	6.4	2.11636	ug/L	2.11636	ug/L	13:16:08
2	Sb 217.584†	-55.3	-8.1	-4.72705	ug/L	-4.72705	ug/L	13:16:08
2	Se 196.026†	-35.4	-0.1	4.05057	ug/L	4.05057	ug/L	13:16:08
2	Si 251.611†	13988.9	13893.2	1289.62	ug/L	1289.62	ug/L	13:15:48

2	Sn 189.927†	-1.5	-8.2	-3.01166 ug/L	-3.01166 ug/L	13:16:08
2	Tl 190.801†	-45.6	-7.0	-5.32392 ug/L	-5.32392 ug/L	13:16:08
2	V 292.395†	-1160.1	151.8	4.11762 ug/L	4.11762 ug/L	13:15:48
2	Zn 206.200†	-8.2	58.6	3.83422 ug/L	3.83422 ug/L	13:16:08

Mean Data: 1002038-16

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	189545.2	101.862	%	1.1822				1.16%
Y 360.076	232868.3	99.0439	%	0.93333				0.94%
Ag 328.068†	-61.7	-0.627193	ug/L	0.3324870	-0.627193	ug/L	0.3324870	53.01%
Al 396.153†	1389.1	426.770	ug/L	11.3633	426.770	ug/L	11.3633	2.66%
As 188.979†	5.9	0.531543	ug/L	9.8503453	0.531543	ug/L	9.8503453	>999.9%
B 249.677†	8.2	-5.71233	ug/L	0.271246	-5.71233	ug/L	0.271246	4.75%
Ba 455.398†	15393.3	51.0193	ug/L	0.30019	51.0193	ug/L	0.30019	0.59%
Be 234.861†	37.5	-0.0748101	ug/L	0.06324398	-0.0748101	ug/L	0.06324398	84.54%
Ca 315.887†	7127.4	4.71081	mg/L	0.053510	4.71081	mg/L	0.053510	1.14%
Cd 214.437†	12.1	-1.12817	ug/L	0.208470	-1.12817	ug/L	0.208470	18.48%
Ce 413.764†	42.8	1.14902	ug/L	2.005056	1.14902	ug/L	2.005056	174.50%
Co 228.616†	-6.7	-2.87880	ug/L	1.064166	-2.87880	ug/L	1.064166	36.97%
Cr 205.557†	0.9	-1.15373	ug/L	0.367034	-1.15373	ug/L	0.367034	31.81%
Cu 327.397†	37.5	1.05461	ug/L	0.343685	1.05461	ug/L	0.343685	32.59%
Fe 238.204†	586.4	248.448	ug/L	0.7664	248.448	ug/L	0.7664	0.31%
K 766.490	226.3	0.262081	mg/L	0.0146347	0.262081	mg/L	0.0146347	5.58%
Li 670.784†	145.8	0.937353	ug/L	0.1648745	0.937353	ug/L	0.1648745	17.59%
Mg 279.071†	279.7	0.580590	mg/L	0.0018988	0.580590	mg/L	0.0018988	0.33%
Mn 257.610†	1348.6	7.75834	ug/L	0.106828	7.75834	ug/L	0.106828	1.38%
Mo 202.031†	7.0	1.95639	ug/L	0.262914	1.95639	ug/L	0.262914	13.44%
Na 589.592†	27269.4	4.08402	mg/L	0.029588	4.08402	mg/L	0.029588	0.72%
Ni 231.604†	8.5	-0.538227	ug/L	0.7387310	-0.538227	ug/L	0.7387310	137.25%
Pb 220.353†	9.7	4.15232	ug/L	2.879283	4.15232	ug/L	2.879283	69.34%
Sb 217.584†	-3.3	-1.00098	ug/L	5.269455	-1.00098	ug/L	5.269455	526.43%
Se 196.026†	-1.7	-0.347413	ug/L	6.2196923	-0.347413	ug/L	6.2196923	>999.9%
Si 251.611†	13959.4	1295.81	ug/L	8.752	1295.81	ug/L	8.752	0.68%
Sn 189.927†	-10.7	-4.21775	ug/L	1.705676	-4.21775	ug/L	1.705676	40.44%
Sr 407.771†	24785.8	30.2477	ug/L	0.10989	30.2477	ug/L	0.10989	0.36%
Ti 334.940†	378.6	26.7933	ug/L	0.38070	26.7933	ug/L	0.38070	1.42%
Tl 190.801†	-7.2	-5.52988	ug/L	0.291264	-5.52988	ug/L	0.291264	5.27%
V 292.395†	174.1	4.60805	ug/L	0.693567	4.60805	ug/L	0.693567	15.05%
Zn 206.200†	62.3	4.22530	ug/L	0.553072	4.22530	ug/L	0.553072	13.09%

Sequence No.: 40
Sample ID: 38-07
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 38
Date Collected: 2/9/2010 1:17:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 38-07

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	185998.1	185998.1	99.9561	%			13:18:27
1	Al 396.153†	1295.0	1118.7	346.023	ug/L	346.023	ug/L	13:18:27
1	Ba 455.398†	27977.6	28036.6	93.1618	ug/L	93.1618	ug/L	13:18:27
1	Ca 315.887†	38353.1	38253.3	25.3517	mg/L	25.3517	mg/L	13:18:27
1	Fe 238.204†	154.1	120.1	50.7391	ug/L	50.7391	ug/L	13:18:47
1	K 766.490	262.7	211.9	0.242734	mg/L	0.242734	mg/L	13:18:27
1	Li 670.784†	113.3	175.5	1.78852	ug/L	1.78852	ug/L	13:18:27
1	Mg 279.071†	884.7	867.5	1.83441	mg/L	1.83441	mg/L	13:18:47
1	Na 589.592†	27014.1	26361.3	3.94791	mg/L	3.94791	mg/L	13:18:27
1	Sr 407.771†	23050.8	22907.0	27.8903	ug/L	27.8903	ug/L	13:18:27
1	Ti 334.940†	5.5	39.9	4.59917	ug/L	4.59917	ug/L	13:18:47
1	Y 360.076	233202.8	233202.8	99.1862	%			13:19:19
1	Ag 328.068†	69.3	-21.2	0.245649	ug/L	0.245649	ug/L	13:19:19
1	As 188.979†	-26.5	-1.3	-11.0031	ug/L	-11.0031	ug/L	13:19:39
1	B 249.677†	3633.5	2996.3	157.584	ug/L	157.584	ug/L	13:19:19
1	Be 234.861†	-687.0	88.8	0.248125	ug/L	0.248125	ug/L	13:19:39
1	Cd 214.437†	411.7	3.4	-1.43249	ug/L	-1.43249	ug/L	13:19:39
1	Ce 413.764†	991.9	186.3	5.03886	ug/L	5.03886	ug/L	13:19:19

1	Co 228.616†	-72.7	9.3	-0.344077 ug/L	-0.344077 ug/L	13:19:39
1	Cr 205.557†	-20.5	8.1	-0.531607 ug/L	-0.531607 ug/L	13:19:39
1	Cu 327.397†	502.0	502.1	15.1894 ug/L	15.1894 ug/L	13:19:19
1	Mn 257.610†	5034.6	4869.5	31.7982 ug/L	31.7982 ug/L	13:19:39
1	Mo 202.031†	120.6	31.6	5.09277 ug/L	5.09277 ug/L	13:19:39
1	Ni 231.604†	390.9	40.4	2.11594 ug/L	2.11594 ug/L	13:19:39
1	Pb 220.353†	33.8	0.9	-1.41266 ug/L	-1.41266 ug/L	13:19:39
1	Sb 217.584†	-48.6	-1.6	-0.321075 ug/L	-0.321075 ug/L	13:19:39
1	Se 196.026†	-31.4	3.7	14.0900 ug/L	14.0900 ug/L	13:19:39
1	Si 251.611†	10976.8	10929.6	1013.62 ug/L	1013.62 ug/L	13:19:19
1	Sn 189.927†	-49.0	-56.1	-20.9816 ug/L	-20.9816 ug/L	13:19:39
1	Tl 190.801†	-49.7	-11.4	-10.8624 ug/L	-10.8624 ug/L	13:19:39
1	V 292.395†	-1230.8	74.3	2.49272 ug/L	2.49272 ug/L	13:19:39
1	Zn 206.200†	365.7	435.5	43.5342 ug/L	43.5342 ug/L	13:19:39
2	Sc 357.234	185156.6	185156.6	99.5039 %		13:18:52
2	Al 396.153†	1299.9	1129.5	349.456 ug/L	349.456 ug/L	13:18:52
2	Ba 455.398†	28033.4	28219.9	93.7727 ug/L	93.7727 ug/L	13:18:52
2	Ca 315.887†	38365.9	38440.5	25.4759 mg/L	25.4759 mg/L	13:18:52
2	Fe 238.204†	160.2	127.0	53.6251 ug/L	53.6251 ug/L	13:19:12
2	K 766.490	232.1	181.3	0.201618 mg/L	0.201618 mg/L	13:18:52
2	Li 670.784†	178.9	241.9	3.69562 ug/L	3.69562 ug/L	13:18:52
2	Mg 279.071†	896.7	883.7	1.86881 mg/L	1.86881 mg/L	13:19:12
2	Na 589.592†	27073.4	26543.7	3.97526 mg/L	3.97526 mg/L	13:18:52
2	Sr 407.771†	23199.7	23161.5	28.2096 ug/L	28.2096 ug/L	13:18:52
2	Ti 334.940†	2.3	36.7	4.38909 ug/L	4.38909 ug/L	13:19:12
2	Y 360.076	231041.7	231041.7	98.2670 %		13:19:44
2	Ag 328.068†	66.1	-23.8	0.209100 ug/L	0.209100 ug/L	13:19:44
2	As 188.979†	-19.9	5.1	-0.585876 ug/L	-0.585876 ug/L	13:20:04
2	B 249.677†	3635.0	3032.0	159.536 ug/L	159.536 ug/L	13:19:44
2	Be 234.861†	-700.3	68.8	0.147356 ug/L	0.147356 ug/L	13:20:04
2	Cd 214.437†	415.2	10.8	-1.14406 ug/L	-1.14406 ug/L	13:20:04
2	Ce 413.764†	1003.0	206.9	5.59716 ug/L	5.59716 ug/L	13:19:44
2	Co 228.616†	-64.8	16.6	0.800533 ug/L	0.800533 ug/L	13:20:04
2	Cr 205.557†	-15.4	13.2	-0.0898329 ug/L	-0.0898329 ug/L	13:20:04
2	Cu 327.397†	498.9	503.8	15.2394 ug/L	15.2394 ug/L	13:19:44
2	Mn 257.610†	5046.2	4928.9	32.2036 ug/L	32.2036 ug/L	13:20:04
2	Mo 202.031†	118.9	31.0	5.01824 ug/L	5.01824 ug/L	13:20:04
2	Ni 231.604†	380.7	33.7	1.55581 ug/L	1.55581 ug/L	13:20:04
2	Pb 220.353†	31.8	-0.9	-2.46904 ug/L	-2.46904 ug/L	13:20:04
2	Sb 217.584†	-46.4	0.1	1.06224 ug/L	1.06224 ug/L	13:20:04
2	Se 196.026†	-44.2	-9.6	-21.6858 ug/L	-21.6858 ug/L	13:20:04
2	Si 251.611†	11056.7	11114.4	1030.87 ug/L	1030.87 ug/L	13:19:44
2	Sn 189.927†	-47.1	-54.6	-20.2802 ug/L	-20.2802 ug/L	13:20:04
2	Tl 190.801†	-43.5	-5.6	-3.79732 ug/L	-3.79732 ug/L	13:20:04
2	V 292.395†	-1237.3	56.2	2.09029 ug/L	2.09029 ug/L	13:20:04
2	Zn 206.200†	360.9	434.0	43.3732 ug/L	43.3732 ug/L	13:20:04

Mean Data: 38-07

6500 only

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	185577.3	99.7300	%	0.31978				0.32%
Y 360.076	232122.3	98.7266	%	0.64996				0.66%
Ag 328.068†	-22.5	0.227374	ug/L	0.0258443	0.227374	ug/L	0.0258443	11.37%
Al 396.153†	1124.1	347.739	ug/L	2.4268	347.739	ug/L	2.4268	0.70%
As 188.979†	1.9	-5.79448	ug/L	7.366081	-5.79448	ug/L	7.366081	127.12%
B 249.677†	3014.1	158.560	ug/L	1.3805	158.560	ug/L	1.3805	0.87%
Ba 455.398†	28128.3	93.4672	ug/L	0.43194	93.4672	ug/L	0.43194	0.46%
Be 234.861†	78.8	0.197741	ug/L	0.0712545	0.197741	ug/L	0.0712545	36.03%
Ca 315.887†	38346.9	25.4138	mg/L	0.08779	25.4138	mg/L	0.08779	0.35%
Cd 214.437†	7.1	-1.28827	ug/L	0.203949	-1.28827	ug/L	0.203949	15.83%
Ce 413.764†	196.6	5.31801	ug/L	0.394781	5.31801	ug/L	0.394781	7.42%
Co 228.616†	13.0	0.228228	ug/L	0.8093613	0.228228	ug/L	0.8093613	354.63%
Cr 205.557†	10.6	-0.310720	ug/L	0.3123815	-0.310720	ug/L	0.3123815	100.53%
Cu 327.397†	502.9	15.2144	ug/L	0.03536	15.2144	ug/L	0.03536	0.23%
Fe 238.204†	123.5	52.1821	ug/L	2.04070	52.1821	ug/L	2.04070	3.91%
K 766.490	196.6	0.222176	mg/L	0.0290730	0.222176	mg/L	0.0290730	13.09%
Li 670.784†	208.7	2.74207	ug/L	1.348520	2.74207	ug/L	1.348520	49.18%
Mg 279.071†	875.6	1.85161	mg/L	0.024326	1.85161	mg/L	0.024326	1.31%
Mn 257.610†	4899.2	32.0009	ug/L	0.28671	32.0009	ug/L	0.28671	0.90%
Mo 202.031†	31.3	5.05551	ug/L	0.052700	5.05551	ug/L	0.052700	1.04%

Na 589.592†	26452.5	3.96158 mg/L	0.019334	3.96158 mg/L	0.019334	0.49%
Ni 231.604†	37.0	1.83588 ug/L	0.396076	1.83588 ug/L	0.396076	21.57%
Pb 220.353†	-0.0	-1.94085 ug/L	0.746972	-1.94085 ug/L	0.746972	38.49%
Sb 217.584†	-0.8	0.370581 ug/L	0.9781488	0.370581 ug/L	0.9781488	263.95%
Se 196.026†	-3.0	-3.79791 ug/L	25.297349	-3.79791 ug/L	25.297349	666.09%
Si 251.611†	11022.0	1022.24 ug/L	12.198	1022.24 ug/L	12.198	1.19%
Sn 189.927†	-55.3	-20.6309 ug/L	0.49592	-20.6309 ug/L	0.49592	2.40%
Sr 407.771†	23034.3	28.0499 ug/L	0.22575	28.0499 ug/L	0.22575	0.80%
Ti 334.940†	38.3	4.49413 ug/L	0.148544	4.49413 ug/L	0.148544	3.31%
Tl 190.801†	-8.5	-7.32988 ug/L	4.995783	-7.32988 ug/L	4.995783	68.16%
V 292.395†	65.3	2.29151 ug/L	0.284559	2.29151 ug/L	0.284559	12.42%
Zn 206.200†	434.8	43.4537 ug/L	0.11386	43.4537 ug/L	0.11386	0.26%

Sequence No.: 41
Sample ID: 1001058-blk1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 39
Date Collected: 2/9/2010 1:21:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001058-blk1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	187184.2	187184.2	100.594	%			13:22:25
1	Al 396.153†	162.6	-15.2	-17.8336	ug/L	-17.8336	ug/L	13:22:25
1	Ba 455.398†	699.2	741.9	2.18335	ug/L	2.18335	ug/L	13:22:25
1	Ca 315.887†	317.3	198.8	0.116176	mg/L	0.116176	mg/L	13:22:45
1	Fe 238.204†	35.9	1.6	0.638600	ug/L	0.638600	ug/L	13:22:45
1	K 766.490	73.2	22.4	-0.0118501	mg/L	-0.0118501	mg/L	13:22:25
1	Li 670.784†	-26.1	36.1	-2.21216	ug/L	-2.21216	ug/L	13:22:25
1	Mg 279.071†	26.3	8.6	0.0025089	mg/L	0.0025089	mg/L	13:22:45
1	Na 589.592†	13849.1	13102.8	1.96071	mg/L	1.96071	mg/L	13:22:25
1	Sr 407.771†	289.2	133.6	-0.684066	ug/L	-0.684066	ug/L	13:22:25
1	Ti 334.940†	-22.2	12.3	2.78974	ug/L	2.78974	ug/L	13:22:45
1	Y 360.076	231459.9	231459.9	98.4449	%			13:23:17
1	Ag 328.068†	65.4	-24.6	-0.124899	ug/L	-0.124899	ug/L	13:23:17
1	As 188.979†	-24.6	0.4	-8.24021	ug/L	-8.24021	ug/L	13:23:37
1	B 249.677†	1761.6	1122.4	55.1700	ug/L	55.1700	ug/L	13:23:17
1	Be 234.861†	-761.6	7.7	-0.136739	ug/L	-0.136739	ug/L	13:23:37
1	Cd 214.437†	401.5	-3.9	-1.67528	ug/L	-1.67528	ug/L	13:23:37
1	Ce 413.764†	822.0	21.2	0.572451	ug/L	0.572451	ug/L	13:23:17
1	Co 228.616†	-83.6	-2.4	-2.15209	ug/L	-2.15209	ug/L	13:23:37
1	Cr 205.557†	-30.6	-2.3	-1.44351	ug/L	-1.44351	ug/L	13:23:37
1	Cu 327.397†	27.4	23.9	0.625100	ug/L	0.625100	ug/L	13:23:17
1	Mn 257.610†	227.6	24.9	-1.29189	ug/L	-1.29189	ug/L	13:23:37
1	Mo 202.031†	86.5	-2.2	0.793552	ug/L	0.793552	ug/L	13:23:37
1	Ni 231.604†	346.9	-1.3	-1.36342	ug/L	-1.36342	ug/L	13:23:37
1	Pb 220.353†	33.2	0.5	-1.56980	ug/L	-1.56980	ug/L	13:23:37
1	Sb 217.584†	-43.0	3.7	3.64185	ug/L	3.64185	ug/L	13:23:37
1	Se 196.026†	-28.3	6.6	21.7790	ug/L	21.7790	ug/L	13:23:37
1	Si 251.611†	2461.3	2362.9	214.231	ug/L	214.231	ug/L	13:23:17
1	Sn 189.927†	-2.6	-9.3	-4.55535	ug/L	-4.55535	ug/L	13:23:37
1	Tl 190.801†	-43.8	-5.8	-4.03695	ug/L	-4.03695	ug/L	13:23:37
1	V 292.395†	-1266.3	29.0	1.45804	ug/L	1.45804	ug/L	13:23:17
1	Zn 206.200†	5.3	72.2	5.31208	ug/L	5.31208	ug/L	13:23:37
2	Sc 357.234	186217.2	186217.2	100.074	%			13:22:50
2	Al 396.153†	190.6	13.5	-8.74996	ug/L	-8.74996	ug/L	13:22:50
2	Ba 455.398†	716.0	762.2	2.25127	ug/L	2.25127	ug/L	13:22:50
2	Ca 315.887†	319.3	202.4	0.118591	mg/L	0.118591	mg/L	13:23:10
2	Fe 238.204†	38.1	4.0	1.65187	ug/L	1.65187	ug/L	13:23:10
2	K 766.490	85.2	34.4	0.0041918	mg/L	0.0041918	mg/L	13:22:50
2	Li 670.784†	5.6	67.7	-1.30576	ug/L	-1.30576	ug/L	13:22:50
2	Mg 279.071†	33.8	16.3	0.0188482	mg/L	0.0188482	mg/L	13:23:10
2	Na 589.592†	13869.3	13194.5	1.97445	mg/L	1.97445	mg/L	13:22:50
2	Sr 407.771†	262.2	108.1	-0.716084	ug/L	-0.716084	ug/L	13:22:50
2	Ti 334.940†	-18.4	16.1	3.03430	ug/L	3.03430	ug/L	13:23:10
2	Y 360.076	232691.4	232691.4	98.9686	%			13:23:42
2	Ag 328.068†	70.0	-20.4	-0.0561841	ug/L	-0.0561841	ug/L	13:23:42
2	As 188.979†	-21.1	4.1	-2.29618	ug/L	-2.29618	ug/L	13:24:02
2	B 249.677†	1748.2	1099.4	53.9080	ug/L	53.9080	ug/L	13:23:42

2	Be 234.861†	-781.5	-8.2	-0.216666 ug/L	-0.216666 ug/L	13:24:02
2	Cd 214.437†	404.0	-3.5	-1.66075 ug/L	-1.66075 ug/L	13:24:02
2	Ce 413.764†	830.4	25.3	0.683700 ug/L	0.683700 ug/L	13:23:42
2	Co 228.616†	-75.1	6.6	-0.748043 ug/L	-0.748043 ug/L	13:24:02
2	Cr 205.557†	-29.9	-1.4	-1.36782 ug/L	-1.36782 ug/L	13:24:02
2	Cu 327.397†	5.7	1.8	-0.0472697 ug/L	-0.0472697 ug/L	13:23:42
2	Mn 257.610†	218.6	14.5	-1.36272 ug/L	-1.36272 ug/L	13:24:02
2	Mo 202.031†	84.4	-4.8	0.463611 ug/L	0.463611 ug/L	13:24:02
2	Ni 231.604†	340.4	-9.8	-2.07174 ug/L	-2.07174 ug/L	13:24:02
2	Pb 220.353†	38.8	6.0	1.82368 ug/L	1.82368 ug/L	13:24:02
2	Sb 217.584†	-43.5	3.4	3.40256 ug/L	3.40256 ug/L	13:24:02
2	Se 196.026†	-36.1	-1.1	1.06157 ug/L	1.06157 ug/L	13:24:02
2	Si 251.611†	2478.6	2367.2	214.627 ug/L	214.627 ug/L	13:23:42
2	Sn 189.927†	3.9	-2.7	-1.46477 ug/L	-1.46477 ug/L	13:24:02
2	Tl 190.801†	-40.3	-2.0	0.528516 ug/L	0.528516 ug/L	13:24:02
2	V 292.395†	-1242.6	59.7	2.13226 ug/L	2.13226 ug/L	13:23:42
2	Zn 206.200†	7.8	74.7	5.56969 ug/L	5.56969 ug/L	13:24:02

Mean Data: 1001058-blk1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	186700.7	100.334	%	0.3675				0.37%
Y 360.076	232075.6	98.7068	%	0.37036				0.38%
Ag 328.068†	-22.5	-0.0905416	ug/L	0.04858882	-0.0905416	ug/L	0.04858882	53.66%
Al 396.153†	-0.8	-13.2918	ug/L	6.42309	-13.2918	ug/L	6.42309	48.32%
As 188.979†	2.2	-5.26820	ug/L	4.203060	-5.26820	ug/L	4.203060	79.78%
B 249.677†	1110.9	54.5390	ug/L	0.89238	54.5390	ug/L	0.89238	1.64%
Ba 455.398†	752.0	2.21731	ug/L	0.048023	2.21731	ug/L	0.048023	2.17%
Be 234.861†	-0.3	-0.176702	ug/L	0.0565167	-0.176702	ug/L	0.0565167	31.98%
Ca 315.887†	200.6	0.117384	mg/L	0.0017075	0.117384	mg/L	0.0017075	1.45%
Cd 214.437†	-3.7	-1.66802	ug/L	0.010271	-1.66802	ug/L	0.010271	0.62%
Ce 413.764†	23.2	0.628075	ug/L	0.0786646	0.628075	ug/L	0.0786646	12.52%
Co 228.616†	2.1	-1.45006	ug/L	0.992809	-1.45006	ug/L	0.992809	68.47%
Cr 205.557†	-1.8	-1.40566	ug/L	0.053518	-1.40566	ug/L	0.053518	3.81%
Cu 327.397†	12.8	0.288915	ug/L	0.4754374	0.288915	ug/L	0.4754374	164.56%
Fe 238.204†	2.8	1.14524	ug/L	0.716492	1.14524	ug/L	0.716492	62.56%
K 766.490	28.4	-0.0038291	mg/L	0.01134337	-0.0038291	mg/L	0.01134337	296.24%
Li 670.784†	51.9	-1.75896	ug/L	0.640920	-1.75896	ug/L	0.640920	36.44%
Mg 279.071†	12.4	0.0106785	mg/L	0.01155361	0.0106785	mg/L	0.01155361	108.19%
Mn 257.610†	19.7	-1.32731	ug/L	0.050079	-1.32731	ug/L	0.050079	3.77%
Mo 202.031†	-3.5	0.628582	ug/L	0.2333034	0.628582	ug/L	0.2333034	37.12%
Na 589.592†	13148.6	1.96758	mg/L	0.009718	1.96758	mg/L	0.009718	0.49%
Ni 231.604†	-5.6	-1.71758	ug/L	0.500864	-1.71758	ug/L	0.500864	29.16%
Pb 220.353†	3.3	0.126937	ug/L	2.3995527	0.126937	ug/L	2.3995527	>999.9%
Sb 217.584†	3.6	3.52220	ug/L	0.169207	3.52220	ug/L	0.169207	4.80%
Se 196.026†	2.7	11.4203	ug/L	14.64941	11.4203	ug/L	14.64941	128.28%
Si 251.611†	2365.1	214.429	ug/L	0.2802	214.429	ug/L	0.2802	0.13%
Sn 189.927†	-6.0	-3.01006	ug/L	2.185371	-3.01006	ug/L	2.185371	72.60%
Sr 407.771†	120.8	-0.700075	ug/L	0.0226400	-0.700075	ug/L	0.0226400	3.23%
Ti 334.940†	14.2	2.91202	ug/L	0.172930	2.91202	ug/L	0.172930	5.94%
Tl 190.801†	-3.9	-1.75422	ug/L	3.228271	-1.75422	ug/L	3.228271	184.03%
V 292.395†	44.3	1.79515	ug/L	0.476747	1.79515	ug/L	0.476747	26.56%
Zn 206.200†	73.5	5.44088	ug/L	0.182158	5.44088	ug/L	0.182158	3.35%

==========

Sequence No.: 42
Sample ID: 1001058-bs1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 40
Date Collected: 2/9/2010 1:25:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001058-bs1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	190711.2	190711.2	102.489	%			13:26:20
1	Al 396.153†	3966.7	3693.5	1151.77	ug/L	1151.77	ug/L	13:26:40
1	Ba 455.398†	71145.7	69464.7	231.249	ug/L	231.249	ug/L	13:26:20
1	Ca 315.887†	17663.8	17118.2	11.3361	mg/L	11.3361	mg/L	13:26:20
1	Fe 238.204†	594.4	545.9	230.483	ug/L	230.483	ug/L	13:26:40

1	K 766.490	8674.3	8623.6	11.5458 mg/L	11.5458 mg/L	13:26:20
1	Li 670.784†	8430.5	8287.8	234.646 ug/L	234.646 ug/L	13:26:20
1	Mg 279.071†	5649.7	5495.0	11.7036 mg/L	11.7036 mg/L	13:26:40
1	Na 589.592†	92172.3	89269.2	13.3766 mg/L	13.3766 mg/L	13:26:20
1	Sr 407.771†	188106.1	183384.0	229.244 ug/L	229.244 ug/L	13:26:20
1	Ti 334.940†	3671.2	3616.5	239.022 ug/L	239.022 ug/L	13:26:40
1	Y 360.076	235821.7	235821.7	100.300 %		13:27:12
1	Ag 328.068†	14624.9	14490.1	231.320 ug/L	231.320 ug/L	13:27:12
1	As 188.979†	696.3	719.6	1161.71 ug/L	1161.71 ug/L	13:27:32
1	B 249.677†	5680.7	4996.6	266.284 ug/L	266.284 ug/L	13:27:12
1	Be 234.861†	3914.6	4684.2	23.0964 ug/L	23.0964 ug/L	13:27:32
1	Cd 214.437†	6333.2	5902.6	227.638 ug/L	227.638 ug/L	13:27:32
1	Ce 413.764†	837.7	21.5	0.535003 ug/L	0.535003 ug/L	13:27:12
1	Co 228.616†	1417.6	1495.9	230.228 ug/L	230.228 ug/L	13:27:32
1	Cr 205.557†	2606.3	2627.3	228.960 ug/L	228.960 ug/L	13:27:32
1	Cu 327.397†	7584.0	7557.4	230.198 ug/L	230.198 ug/L	13:27:12
1	Mn 257.610†	34110.8	33802.4	229.412 ug/L	229.412 ug/L	13:27:12
1	Mo 202.031†	1986.0	1890.0	241.470 ug/L	241.470 ug/L	13:27:32
1	Ni 231.604†	3125.4	2762.3	229.071 ug/L	229.071 ug/L	13:27:32
1	Pb 220.353†	401.3	366.9	225.238 ug/L	225.238 ug/L	13:27:32
1	Sb 217.584†	1477.0	1519.9	1175.35 ug/L	1175.35 ug/L	13:27:32
1	Se 196.026†	386.9	421.0	1134.37 ug/L	1134.37 ug/L	13:27:32
1	Si 251.611†	6882.1	6724.3	615.095 ug/L	615.095 ug/L	13:27:12
1	Sn 189.927†	2480.2	2466.1	1159.25 ug/L	1159.25 ug/L	13:27:32
1	Tl 190.801†	905.0	941.0	1155.50 ug/L	1155.50 ug/L	13:27:32
1	V 292.395†	9087.0	10375.0	231.737 ug/L	231.737 ug/L	13:27:12
1	Zn 206.200†	2195.6	2255.8	235.112 ug/L	235.112 ug/L	13:27:32
2	Sc 357.234	193690.4	193690.4	104.090 %		13:26:45
2	Al 396.153†	3952.1	3620.0	1128.59 ug/L	1128.59 ug/L	13:27:05
2	Ba 455.398†	72355.8	69559.4	231.565 ug/L	231.565 ug/L	13:26:45
2	Ca 315.887†	18036.0	17210.7	11.3975 mg/L	11.3975 mg/L	13:26:45
2	Fe 238.204†	600.5	542.8	229.180 ug/L	229.180 ug/L	13:27:05
2	K 766.490	8791.8	8741.0	11.7036 mg/L	11.7036 mg/L	13:26:45
2	Li 670.784†	8560.6	8286.3	234.602 ug/L	234.602 ug/L	13:26:45
2	Mg 279.071†	5665.8	5425.6	11.5557 mg/L	11.5557 mg/L	13:27:05
2	Na 589.592†	93584.8	89242.9	13.3727 mg/L	13.3727 mg/L	13:26:45
2	Sr 407.771†	191359.1	183686.1	229.623 ug/L	229.623 ug/L	13:26:45
2	Ti 334.940†	3680.5	3570.3	235.994 ug/L	235.994 ug/L	13:27:05
2	Y 360.076	237690.7	237690.7	101.095 %		13:27:37
2	Ag 328.068†	14653.6	14403.9	229.943 ug/L	229.943 ug/L	13:27:37
2	As 188.979†	693.4	711.3	1148.16 ug/L	1148.16 ug/L	13:27:57
2	B 249.677†	5715.6	4986.6	265.747 ug/L	265.747 ug/L	13:27:37
2	Be 234.861†	3899.4	4638.6	22.8692 ug/L	22.8692 ug/L	13:27:57
2	Cd 214.437†	6315.2	5835.1	225.015 ug/L	225.015 ug/L	13:27:57
2	Ce 413.764†	819.7	-3.0	-0.124975 ug/L	-0.124975 ug/L	13:27:37
2	Co 228.616†	1404.9	1472.2	226.555 ug/L	226.555 ug/L	13:27:57
2	Cr 205.557†	2598.9	2599.6	226.530 ug/L	226.530 ug/L	13:27:57
2	Cu 327.397†	7611.4	7525.0	229.209 ug/L	229.209 ug/L	13:27:37
2	Mn 257.610†	34222.3	33645.3	228.339 ug/L	228.339 ug/L	13:27:37
2	Mo 202.031†	1986.3	1874.7	239.530 ug/L	239.530 ug/L	13:27:57
2	Ni 231.604†	3135.8	2748.1	227.890 ug/L	227.890 ug/L	13:27:57
2	Pb 220.353†	402.1	364.6	223.796 ug/L	223.796 ug/L	13:27:57
2	Sb 217.584†	1476.4	1507.8	1165.98 ug/L	1165.98 ug/L	13:27:57
2	Se 196.026†	388.1	419.2	1129.43 ug/L	1129.43 ug/L	13:27:57
2	Si 251.611†	6984.7	6771.8	619.601 ug/L	619.601 ug/L	13:27:37
2	Sn 189.927†	2476.8	2443.3	1148.55 ug/L	1148.55 ug/L	13:27:57
2	Tl 190.801†	901.6	930.5	1142.65 ug/L	1142.65 ug/L	13:27:57
2	V 292.395†	9098.6	10315.3	230.403 ug/L	230.403 ug/L	13:27:37
2	Zn 206.200†	2197.2	2240.2	233.471 ug/L	233.471 ug/L	13:27:57

Mean Data: 1001058-bs1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	192200.8	103.289	%	1.1321				1.10%
Y 360.076	236756.2	100.698	%	0.5621				0.56%
Ag 328.068†	14447.0	230.631	ug/L	0.9737	230.631	ug/L	0.9737	0.42%
Al 396.153†	3656.7	1140.18	ug/L	16.389	1140.18	ug/L	16.389	1.44%
As 188.979†	715.5	1154.94	ug/L	9.584	1154.94	ug/L	9.584	0.83%
B 249.677†	4991.6	266.016	ug/L	0.3797	266.016	ug/L	0.3797	0.14%
Ba 455.398†	69512.0	231.407	ug/L	0.2234	231.407	ug/L	0.2234	0.10%

Be 234.861†	4661.4	22.9828	ug/L	0.16066	22.9828	ug/L	0.16066	0.70%
Ca 315.887†	17164.5	11.3668	mg/L	0.04338	11.3668	mg/L	0.04338	0.38%
Cd 214.437†	5868.8	226.326	ug/L	1.8543	226.326	ug/L	1.8543	0.82%
Ce 413.764†	9.3	0.205014	ug/L	0.4666749	0.205014	ug/L	0.4666749	227.63%
Co 228.616†	1484.0	228.392	ug/L	2.5971	228.392	ug/L	2.5971	1.14%
Cr 205.557†	2613.4	227.745	ug/L	1.7182	227.745	ug/L	1.7182	0.75%
Cu 327.397†	7541.2	229.704	ug/L	0.6990	229.704	ug/L	0.6990	0.30%
Fe 238.204†	544.4	229.831	ug/L	0.9211	229.831	ug/L	0.9211	0.40%
K 766.490	8682.3	11.6247	mg/L	0.11159	11.6247	mg/L	0.11159	0.96%
Li 670.784†	8287.0	234.624	ug/L	0.0316	234.624	ug/L	0.0316	0.01%
Mg 279.071†	5460.3	11.6297	mg/L	0.10455	11.6297	mg/L	0.10455	0.90%
Mn 257.610†	33723.8	228.876	ug/L	0.7587	228.876	ug/L	0.7587	0.33%
Mo 202.031†	1882.4	240.500	ug/L	1.3724	240.500	ug/L	1.3724	0.57%
Na 589.592†	89256.1	13.3747	mg/L	0.00278	13.3747	mg/L	0.00278	0.02%
Ni 231.604†	2755.2	228.480	ug/L	0.8348	228.480	ug/L	0.8348	0.37%
Pb 220.353†	365.7	224.517	ug/L	1.0191	224.517	ug/L	1.0191	0.45%
Sb 217.584†	1513.9	1170.66	ug/L	6.629	1170.66	ug/L	6.629	0.57%
Se 196.026†	420.1	1131.90	ug/L	3.490	1131.90	ug/L	3.490	0.31%
Si 251.611†	6748.0	617.348	ug/L	3.1867	617.348	ug/L	3.1867	0.52%
Sn 189.927†	2454.7	1153.90	ug/L	7.566	1153.90	ug/L	7.566	0.66%
Sr 407.771†	183535.1	229.434	ug/L	0.2681	229.434	ug/L	0.2681	0.12%
Ti 334.940†	3593.4	237.508	ug/L	2.1415	237.508	ug/L	2.1415	0.90%
Tl 190.801†	935.8	1149.08	ug/L	9.087	1149.08	ug/L	9.087	0.79%
V 292.395†	10345.2	231.070	ug/L	0.9434	231.070	ug/L	0.9434	0.41%
Zn 206.200†	2248.0	234.291	ug/L	1.1602	234.291	ug/L	1.1602	0.50%

Sequence No.: 43
Sample ID: 1002038-17
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 2/9/2010 1:29:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002038-17

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	188321.7	188321.7	101.205	%			13:30:18
1	Al 396.153†	1817.3	1618.8	499.468	ug/L	499.468	ug/L	13:30:38
1	Ba 455.398†	10433.4	10355.9	34.2288	ug/L	34.2288	ug/L	13:30:18
1	Ca 315.887†	8264.3	8049.3	5.32215	mg/L	5.32215	mg/L	13:30:38
1	Fe 238.204†	595.8	554.6	234.964	ug/L	234.964	ug/L	13:30:38
1	K 766.490	298.8	248.0	0.291233	mg/L	0.291233	mg/L	13:30:38
1	Li 670.784†	100.1	161.0	1.37372	ug/L	1.37372	ug/L	13:30:38
1	Mg 279.071†	370.3	348.4	0.727207	mg/L	0.727207	mg/L	13:30:38
1	Na 589.592†	18293.9	17411.5	2.60650	mg/L	2.60650	mg/L	13:30:18
1	Sr 407.771†	27530.0	27048.3	33.0865	ug/L	33.0865	ug/L	13:30:18
1	Ti 334.940†	412.9	442.4	30.9782	ug/L	30.9782	ug/L	13:30:38
1	Y 360.076	232573.1	232573.1	98.9184	%			13:31:10
1	Ag 328.068†	54.2	-36.3	-0.211778	ug/L	-0.211778	ug/L	13:31:10
1	As 188.979†	-19.7	5.5	-0.126395	ug/L	-0.126395	ug/L	13:31:30
1	B 249.677†	768.1	109.5	-0.183991	ug/L	-0.183991	ug/L	13:31:30
1	Be 234.861†	-753.7	19.5	-0.160495	ug/L	-0.160495	ug/L	13:31:30
1	Cd 214.437†	418.3	11.2	-1.16344	ug/L	-1.16344	ug/L	13:31:30
1	Ce 413.764†	882.8	78.7	2.11828	ug/L	2.11828	ug/L	13:31:10
1	Co 228.616†	-82.6	-0.9	-1.99418	ug/L	-1.99418	ug/L	13:31:30
1	Cr 205.557†	-24.2	4.3	-0.850355	ug/L	-0.850355	ug/L	13:31:30
1	Cu 327.397†	20.3	16.6	0.421135	ug/L	0.421135	ug/L	13:31:10
1	Mn 257.610†	1395.7	1204.6	6.77462	ug/L	6.77462	ug/L	13:31:30
1	Mo 202.031†	99.8	10.9	2.45630	ug/L	2.45630	ug/L	13:31:30
1	Ni 231.604†	357.8	8.0	-0.583487	ug/L	-0.583487	ug/L	13:31:30
1	Pb 220.353†	41.8	9.1	3.73402	ug/L	3.73402	ug/L	13:31:30
1	Sb 217.584†	-47.3	-0.4	1.14066	ug/L	1.14066	ug/L	13:31:30
1	Se 196.026†	-28.4	6.7	22.1882	ug/L	22.1882	ug/L	13:31:30
1	Si 251.611†	14187.0	14204.8	1318.61	ug/L	1318.61	ug/L	13:31:10
1	Sn 189.927†	-11.4	-18.2	-7.59325	ug/L	-7.59325	ug/L	13:31:30
1	Tl 190.801†	-37.4	0.9	4.41572	ug/L	4.41572	ug/L	13:31:30
1	V 292.395†	-1120.5	182.5	4.79714	ug/L	4.79714	ug/L	13:31:10
1	Zn 206.200†	53.4	120.8	10.3817	ug/L	10.3817	ug/L	13:31:30
2	Sc 357.234	188628.2	188628.2	101.370	%			13:30:43
2	Al 396.153†	1819.4	1618.0	499.209	ug/L	499.209	ug/L	13:31:03

2	Ba 455.398†	10503.7	10408.5	34.4040 ug/L	34.4040 ug/L	13:30:43
2	Ca 315.887†	8270.2	8041.8	5.31724 mg/L	5.31724 mg/L	13:31:03
2	Fe 238.204†	601.4	559.2	236.909 ug/L	236.909 ug/L	13:31:03
2	K 766.490	310.9	260.1	0.307485 mg/L	0.307485 mg/L	13:31:03
2	Li 670.784†	88.5	149.4	1.03937 ug/L	1.03937 ug/L	13:31:03
2	Mg 279.071†	369.9	347.4	0.725120 mg/L	0.725120 mg/L	13:31:03
2	Na 589.592†	18466.8	17552.7	2.62767 mg/L	2.62767 mg/L	13:30:43
2	Sr 407.771†	27917.0	27385.9	33.5100 ug/L	33.5100 ug/L	13:30:43
2	Ti 334.940†	409.4	438.3	30.7118 ug/L	30.7118 ug/L	13:31:03
2	Y 360.076	235819.2	235819.2	100.299 %		13:31:35
2	Ag 328.068†	99.1	7.8	0.476258 ug/L	0.476258 ug/L	13:31:35
2	As 188.979†	-13.8	11.7	9.95332 ug/L	9.95332 ug/L	13:31:55
2	B 249.677†	744.0	74.7	-2.08231 ug/L	-2.08231 ug/L	13:31:55
2	Be 234.861†	-754.3	29.3	-0.111991 ug/L	-0.111991 ug/L	13:31:55
2	Cd 214.437†	416.4	3.5	-1.46431 ug/L	-1.46431 ug/L	13:31:55
2	Ce 413.764†	786.9	-29.2	-0.800006 ug/L	-0.800006 ug/L	13:31:35
2	Co 228.616†	-82.7	0.1	-1.83630 ug/L	-1.83630 ug/L	13:31:55
2	Cr 205.557†	-22.2	6.7	-0.643246 ug/L	-0.643246 ug/L	13:31:55
2	Cu 327.397†	53.5	49.3	1.41832 ug/L	1.41832 ug/L	13:31:35
2	Mn 257.610†	1422.0	1211.4	6.82092 ug/L	6.82092 ug/L	13:31:55
2	Mo 202.031†	96.4	6.1	1.84771 ug/L	1.84771 ug/L	13:31:55
2	Ni 231.604†	357.3	2.5	-1.03888 ug/L	-1.03888 ug/L	13:31:55
2	Pb 220.353†	45.1	11.7	5.38413 ug/L	5.38413 ug/L	13:31:55
2	Sb 217.584†	-48.4	-0.8	0.834659 ug/L	0.834659 ug/L	13:31:55
2	Se 196.026†	-40.1	-4.6	-8.14016 ug/L	-8.14016 ug/L	13:31:55
2	Si 251.611†	14344.0	14164.0	1314.80 ug/L	1314.80 ug/L	13:31:35
2	Sn 189.927†	-8.4	-15.1	-6.13774 ug/L	-6.13774 ug/L	13:31:55
2	Tl 190.801†	-44.1	-5.2	-3.12557 ug/L	-3.12557 ug/L	13:31:55
2	V 292.395†	-1105.0	213.5	5.47549 ug/L	5.47549 ug/L	13:31:35
2	Zn 206.200†	61.7	128.3	11.1718 ug/L	11.1718 ug/L	13:31:55

Mean Data: 1002038-17

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	188474.9	101.287	%	0.1165				0.11%
Y 360.076	234196.1	99.6087	%	0.97623				0.98%
Ag 328.068†	-14.2	0.132240	ug/L	0.4865152	0.132240	ug/L	0.4865152	367.90%
Al 396.153†	1618.4	499.339	ug/L	0.1831	499.339	ug/L	0.1831	0.04%
As 188.979†	8.6	4.91346	ug/L	7.127436	4.91346	ug/L	7.127436	145.06%
B 249.677†	92.1	-1.13315	ug/L	1.342316	-1.13315	ug/L	1.342316	118.46%
Ba 455.398†	10382.2	34.3164	ug/L	0.12391	34.3164	ug/L	0.12391	0.36%
Be 234.861†	24.4	-0.136243	ug/L	0.0342975	-0.136243	ug/L	0.0342975	25.17%
Ca 315.887†	8045.5	5.31969	mg/L	0.003474	5.31969	mg/L	0.003474	0.07%
Cd 214.437†	7.3	-1.31387	ug/L	0.212742	-1.31387	ug/L	0.212742	16.19%
Ce 413.764†	24.8	0.659137	ug/L	2.0635395	0.659137	ug/L	2.0635395	313.07%
Co 228.616†	-0.4	-1.91524	ug/L	0.111636	-1.91524	ug/L	0.111636	5.83%
Cr 205.557†	5.5	-0.746801	ug/L	0.1464481	-0.746801	ug/L	0.1464481	19.61%
Cu 327.397†	33.0	0.919729	ug/L	0.7051179	0.919729	ug/L	0.7051179	76.67%
Fe 238.204†	556.9	235.937	ug/L	1.3755	235.937	ug/L	1.3755	0.58%
K 766.490	254.0	0.299359	mg/L	0.0114916	0.299359	mg/L	0.0114916	3.84%
Li 670.784†	155.2	1.20654	ug/L	0.236422	1.20654	ug/L	0.236422	19.60%
Mg 279.071†	347.9	0.726163	mg/L	0.0014755	0.726163	mg/L	0.0014755	0.20%
Mn 257.610†	1208.0	6.79777	ug/L	0.032738	6.79777	ug/L	0.032738	0.48%
Mo 202.031†	8.5	2.15201	ug/L	0.430340	2.15201	ug/L	0.430340	20.00%
Na 589.592†	17482.1	2.61708	mg/L	0.014968	2.61708	mg/L	0.014968	0.57%
Ni 231.604†	5.3	-0.811184	ug/L	0.3220123	-0.811184	ug/L	0.3220123	39.70%
Pb 220.353†	10.4	4.55907	ug/L	1.166804	4.55907	ug/L	1.166804	25.59%
Sb 217.584†	-0.6	0.987659	ug/L	0.2163750	0.987659	ug/L	0.2163750	21.91%
Se 196.026†	1.0	7.02399	ug/L	21.445355	7.02399	ug/L	21.445355	305.32%
Si 251.611†	14184.4	1316.70	ug/L	2.691	1316.70	ug/L	2.691	0.20%
Sn 189.927†	-16.6	-6.86549	ug/L	1.029199	-6.86549	ug/L	1.029199	14.99%
Sr 407.771†	27217.1	33.2982	ug/L	0.29952	33.2982	ug/L	0.29952	0.90%
Ti 334.940†	440.4	30.8450	ug/L	0.18835	30.8450	ug/L	0.18835	0.61%
Tl 190.801†	-2.2	0.645076	ug/L	5.3324949	0.645076	ug/L	5.3324949	826.65%
V 292.395†	198.0	5.13631	ug/L	0.479666	5.13631	ug/L	0.479666	9.34%
Zn 206.200†	124.5	10.7767	ug/L	0.55869	10.7767	ug/L	0.55869	5.18%

Sequence No.: 44 **Autosampler Location: 42**
Sample ID: 1001058-ms1 **Date Collected: 2/9/2010 1:33:08 PM**

Analyst:
Initial Sample Wt:
Dilution:

Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001058-ms1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	185971.8	185971.8	99.9420	%			13:34:14
1	Al 396.153†	5568.0	5394.3	1690.24	ug/L	1690.24	ug/L	13:34:34
1	Ba 455.398†	79864.6	79957.7	266.224	ug/L	266.224	ug/L	13:34:14
1	Ca 315.887†	25021.2	24919.1	16.5092	mg/L	16.5092	mg/L	13:34:14
1	Fe 238.204†	1112.4	1079.0	456.370	ug/L	456.370	ug/L	13:34:34
1	K 766.490	8778.2	8727.5	11.6854	mg/L	11.6854	mg/L	13:34:14
1	Li 670.784†	8434.4	8501.3	240.775	ug/L	240.775	ug/L	13:34:14
1	Mg 279.071†	5937.5	5923.4	12.6175	mg/L	12.6175	mg/L	13:34:34
1	Na 589.592†	97024.8	96416.5	14.4479	mg/L	14.4479	mg/L	13:34:14
1	Sr 407.771†	213057.5	213027.2	266.438	ug/L	266.438	ug/L	13:34:14
1	Ti 334.940†	3958.1	3994.9	263.824	ug/L	263.824	ug/L	13:34:34
1	Y 360.076	233747.5	233747.5	99.4178	%			13:35:06
1	Ag 328.068†	14536.5	14530.6	232.054	ug/L	232.054	ug/L	13:35:06
1	As 188.979†	678.3	707.7	1142.13	ug/L	1142.13	ug/L	13:35:26
1	B 249.677†	4804.8	4165.9	220.891	ug/L	220.891	ug/L	13:35:06
1	Be 234.861†	3801.9	4605.6	22.6245	ug/L	22.6245	ug/L	13:35:26
1	Cd 214.437†	6233.2	5858.0	225.829	ug/L	225.829	ug/L	13:35:26
1	Ce 413.764†	824.9	16.0	0.378478	ug/L	0.378478	ug/L	13:35:06
1	Co 228.616†	1410.2	1501.0	230.959	ug/L	230.959	ug/L	13:35:26
1	Cr 205.557†	2622.6	2666.7	232.429	ug/L	232.429	ug/L	13:35:26
1	Cu 327.397†	7662.1	7703.0	234.650	ug/L	234.650	ug/L	13:35:06
1	Mn 257.610†	35215.1	35215.0	239.068	ug/L	239.068	ug/L	13:35:06
1	Mo 202.031†	1955.5	1876.9	239.808	ug/L	239.808	ug/L	13:35:26
1	Ni 231.604†	3127.0	2791.7	231.513	ug/L	231.513	ug/L	13:35:26
1	Pb 220.353†	406.3	375.4	230.548	ug/L	230.548	ug/L	13:35:26
1	Sb 217.584†	1424.9	1480.6	1145.69	ug/L	1145.69	ug/L	13:35:26
1	Se 196.026†	358.2	395.7	1066.58	ug/L	1066.58	ug/L	13:35:26
1	Si 251.611†	25702.7	25715.9	2386.74	ug/L	2386.74	ug/L	13:35:06
1	Sn 189.927†	2442.8	2450.4	1153.03	ug/L	1153.03	ug/L	13:35:26
1	Tl 190.801†	885.1	929.0	1141.03	ug/L	1141.03	ug/L	13:35:26
1	V 292.395†	9233.8	10603.2	236.688	ug/L	236.688	ug/L	13:35:06
1	Zn 206.200†	2655.8	2738.2	285.879	ug/L	285.879	ug/L	13:35:26
2	Sc 357.234	186484.3	186484.3	100.217	%			13:34:39
2	Al 396.153†	5607.4	5418.4	1697.70	ug/L	1697.70	ug/L	13:34:59
2	Ba 455.398†	80410.8	80283.1	267.309	ug/L	267.309	ug/L	13:34:39
2	Ca 315.887†	25104.0	24932.9	16.5184	mg/L	16.5184	mg/L	13:34:39
2	Fe 238.204†	1121.1	1084.7	458.751	ug/L	458.751	ug/L	13:34:59
2	K 766.490	8776.1	8725.3	11.6825	mg/L	11.6825	mg/L	13:34:39
2	Li 670.784†	8472.0	8515.6	241.186	ug/L	241.186	ug/L	13:34:39
2	Mg 279.071†	5974.5	5944.0	12.6614	mg/L	12.6614	mg/L	13:34:59
2	Na 589.592†	97609.1	96732.8	14.4953	mg/L	14.4953	mg/L	13:34:39
2	Sr 407.771†	214231.0	213612.4	267.173	ug/L	267.173	ug/L	13:34:39
2	Ti 334.940†	3975.8	4001.6	264.266	ug/L	264.266	ug/L	13:34:59
2	Y 360.076	230109.2	230109.2	97.8704	%			13:35:31
2	Ag 328.068†	14444.0	14667.2	234.235	ug/L	234.235	ug/L	13:35:31
2	As 188.979†	682.6	722.9	1166.87	ug/L	1166.87	ug/L	13:35:51
2	B 249.677†	4790.0	4227.1	224.232	ug/L	224.232	ug/L	13:35:31
2	Be 234.861†	3827.3	4692.0	23.0545	ug/L	23.0545	ug/L	13:35:51
2	Cd 214.437†	6222.3	5946.0	229.245	ug/L	229.245	ug/L	13:35:51
2	Ce 413.764†	843.2	47.7	1.23783	ug/L	1.23783	ug/L	13:35:31
2	Co 228.616†	1411.7	1525.0	234.687	ug/L	234.687	ug/L	13:35:51
2	Cr 205.557†	2631.1	2717.1	236.844	ug/L	236.844	ug/L	13:35:51
2	Cu 327.397†	7585.8	7746.9	235.986	ug/L	235.986	ug/L	13:35:31
2	Mn 257.610†	34820.7	35372.0	240.141	ug/L	240.141	ug/L	13:35:31
2	Mo 202.031†	1980.4	1933.4	246.996	ug/L	246.996	ug/L	13:35:51
2	Ni 231.604†	3115.9	2830.0	234.717	ug/L	234.717	ug/L	13:35:51
2	Pb 220.353†	403.2	378.8	232.628	ug/L	232.628	ug/L	13:35:51
2	Sb 217.584†	1437.0	1515.7	1172.74	ug/L	1172.74	ug/L	13:35:51
2	Se 196.026†	367.7	411.0	1107.81	ug/L	1107.81	ug/L	13:35:51
2	Si 251.611†	25446.5	25862.9	2400.45	ug/L	2400.45	ug/L	13:35:31
2	Sn 189.927†	2442.7	2489.1	1171.19	ug/L	1171.19	ug/L	13:35:51
2	Tl 190.801†	896.2	954.4	1172.08	ug/L	1172.08	ug/L	13:35:51
2	V 292.395†	9161.5	10676.1	238.369	ug/L	238.369	ug/L	13:35:31

2	Zn 206.200†	2674.9	2799.9	292.381 ug/L	292.381 ug/L	13:35:51	

Mean Data: 1001058-ms1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	186228.0	100.080	%	0.1947				0.19%
Y 360.076	231928.4	98.6441	%	1.09420				1.11%
Ag 328.068†	14598.9	233.144	ug/L	1.5421	233.144	ug/L	1.5421	0.66%
Al 396.153†	5406.3	1693.97	ug/L	5.276	1693.97	ug/L	5.276	0.31%
As 188.979†	715.3	1154.50	ug/L	17.490	1154.50	ug/L	17.490	1.51%
B 249.677†	4196.5	222.561	ug/L	2.3623	222.561	ug/L	2.3623	1.06%
Ba 455.398†	80120.4	266.766	ug/L	0.7669	266.766	ug/L	0.7669	0.29%
Be 234.861†	4648.8	22.8395	ug/L	0.30402	22.8395	ug/L	0.30402	1.33%
Ca 315.887†	24926.0	16.5138	mg/L	0.00649	16.5138	mg/L	0.00649	0.04%
Cd 214.437†	5902.0	227.537	ug/L	2.4155	227.537	ug/L	2.4155	1.06%
Ce 413.764†	31.9	0.808154	ug/L	0.6076529	0.808154	ug/L	0.6076529	75.19%
Co 228.616†	1513.0	232.823	ug/L	2.6364	232.823	ug/L	2.6364	1.13%
Cr 205.557†	2691.9	234.637	ug/L	3.1221	234.637	ug/L	3.1221	1.33%
Cu 327.397†	7725.0	235.318	ug/L	0.9446	235.318	ug/L	0.9446	0.40%
Fe 238.204†	1081.8	457.561	ug/L	1.6833	457.561	ug/L	1.6833	0.37%
K 766.490	8726.4	11.6840	mg/L	0.00204	11.6840	mg/L	0.00204	0.02%
Li 670.784†	8508.5	240.981	ug/L	0.2904	240.981	ug/L	0.2904	0.12%
Mg 279.071†	5933.7	12.6394	mg/L	0.03104	12.6394	mg/L	0.03104	0.25%
Mn 257.610†	35293.5	239.605	ug/L	0.7585	239.605	ug/L	0.7585	0.32%
Mo 202.031†	1905.2	243.402	ug/L	5.0826	243.402	ug/L	5.0826	2.09%
Na 589.592†	96574.6	14.4716	mg/L	0.03352	14.4716	mg/L	0.03352	0.23%
Ni 231.604†	2810.8	233.115	ug/L	2.2655	233.115	ug/L	2.2655	0.97%
Pb 220.353†	377.1	231.588	ug/L	1.4709	231.588	ug/L	1.4709	0.64%
Sb 217.584†	1498.1	1159.22	ug/L	19.131	1159.22	ug/L	19.131	1.65%
Se 196.026†	403.4	1087.19	ug/L	29.153	1087.19	ug/L	29.153	2.68%
Si 251.611†	25789.4	2393.60	ug/L	9.693	2393.60	ug/L	9.693	0.40%
Sn 189.927†	2469.8	1162.11	ug/L	12.842	1162.11	ug/L	12.842	1.11%
Sr 407.771†	213319.8	266.806	ug/L	0.5192	266.806	ug/L	0.5192	0.19%
Ti 334.940†	3998.3	264.045	ug/L	0.3127	264.045	ug/L	0.3127	0.12%
Tl 190.801†	941.7	1156.55	ug/L	21.952	1156.55	ug/L	21.952	1.90%
V 292.395†	10639.6	237.529	ug/L	1.1887	237.529	ug/L	1.1887	0.50%
Zn 206.200†	2769.0	289.130	ug/L	4.5971	289.130	ug/L	4.5971	1.59%

Sequence No.: 45
Sample ID: 1001058-msd1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 43
Date Collected: 2/9/2010 1:37:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001058-msd1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	187733.4	187733.4	100.889	%			13:38:09
1	Al 396.153†	5642.1	5415.6	1696.91	ug/L	1696.91	ug/L	13:38:29
1	Ba 455.398†	81966.3	81291.0	270.668	ug/L	270.668	ug/L	13:38:09
1	Ca 315.887†	25901.2	25556.4	16.9319	mg/L	16.9319	mg/L	13:38:09
1	Fe 238.204†	1124.1	1080.2	456.847	ug/L	456.847	ug/L	13:38:29
1	K 766.490	8965.4	8914.6	11.9368	mg/L	11.9368	mg/L	13:38:09
1	Li 670.784†	8670.8	8656.5	245.228	ug/L	245.228	ug/L	13:38:09
1	Mg 279.071†	5982.8	5912.6	12.5943	mg/L	12.5943	mg/L	13:38:29
1	Na 589.592†	99196.8	97658.4	14.6340	mg/L	14.6340	mg/L	13:38:09
1	Sr 407.771†	218696.9	216616.6	270.942	ug/L	270.942	ug/L	13:38:09
1	Ti 334.940†	4006.6	4005.7	264.534	ug/L	264.534	ug/L	13:38:29
1	Y 360.076	228527.9	228527.9	97.1978	%			13:39:01
1	Ag 328.068†	14503.9	14831.0	236.856	ug/L	236.856	ug/L	13:39:01
1	As 188.979†	673.5	718.4	1159.43	ug/L	1159.43	ug/L	13:39:21
1	B 249.677†	4836.6	4309.0	228.704	ug/L	228.704	ug/L	13:39:01
1	Be 234.861†	3754.7	4644.3	22.8176	ug/L	22.8176	ug/L	13:39:21
1	Cd 214.437†	6167.7	5933.8	228.771	ug/L	228.771	ug/L	13:39:21
1	Ce 413.764†	887.8	99.6	2.64236	ug/L	2.64236	ug/L	13:39:01
1	Co 228.616†	1398.3	1521.1	234.091	ug/L	234.091	ug/L	13:39:21
1	Cr 205.557†	2603.3	2707.2	235.972	ug/L	235.972	ug/L	13:39:21
1	Cu 327.397†	7673.3	7890.6	240.363	ug/L	240.363	ug/L	13:39:01

00200

1	Mn 257.610†	35068.6	35873.2	243.564 ug/L	243.564 ug/L	13:39:01
1	Mo 202.031†	1967.7	1934.4	247.114 ug/L	247.114 ug/L	13:39:21
1	Ni 231.604†	3107.5	2843.4	235.831 ug/L	235.831 ug/L	13:39:21
1	Pb 220.353†	400.8	379.2	232.851 ug/L	232.851 ug/L	13:39:21
1	Sb 217.584†	1425.2	1513.7	1171.23 ug/L	1171.23 ug/L	13:39:21
1	Se 196.026†	362.4	408.2	1100.20 ug/L	1100.20 ug/L	13:39:21
1	Si 251.611†	26422.4	27046.9	2510.93 ug/L	2510.93 ug/L	13:39:01
1	Sn 189.927†	2422.5	2485.6	1169.63 ug/L	1169.63 ug/L	13:39:21
1	Tl 190.801†	878.8	942.8	1157.93 ug/L	1157.93 ug/L	13:39:21
1	V 292.395†	9312.0	10895.8	243.211 ug/L	243.211 ug/L	13:39:01
1	Zn 206.200†	2135.5	2263.8	235.906 ug/L	235.906 ug/L	13:39:21
2	Sc 357.234	186829.4	186829.4	100.403 %		13:38:35
2	Al 396.153†	5682.3	5482.6	1718.03 ug/L	1718.03 ug/L	13:38:55
2	Ba 455.398†	82150.3	81867.4	272.590 ug/L	272.590 ug/L	13:38:35
2	Ca 315.887†	25827.7	25607.4	16.9657 mg/L	16.9657 mg/L	13:38:35
2	Fe 238.204†	1122.9	1084.4	458.625 ug/L	458.625 ug/L	13:38:55
2	K 766.490	9003.3	8952.6	11.9879 mg/L	11.9879 mg/L	13:38:35
2	Li 670.784†	8758.1	8785.0	248.918 ug/L	248.918 ug/L	13:38:35
2	Mg 279.071†	6050.2	6008.4	12.7987 mg/L	12.7987 mg/L	13:38:55
2	Na 589.592†	99595.7	98531.5	14.7649 mg/L	14.7649 mg/L	13:38:35
2	Sr 407.771†	218932.3	217899.9	272.552 ug/L	272.552 ug/L	13:38:35
2	Ti 334.940†	4031.7	4049.9	267.431 ug/L	267.431 ug/L	13:38:55
2	Y 360.076	227257.8	227257.8	96.6577 %		13:39:26
2	Ag 328.068†	14467.6	14876.8	237.579 ug/L	237.579 ug/L	13:39:26
2	As 188.979†	676.1	724.9	1170.10 ug/L	1170.10 ug/L	13:39:46
2	B 249.677†	4839.9	4340.2	230.406 ug/L	230.406 ug/L	13:39:26
2	Be 234.861†	3747.0	4658.0	22.8847 ug/L	22.8847 ug/L	13:39:46
2	Cd 214.437†	6168.3	5969.9	230.169 ug/L	230.169 ug/L	13:39:46
2	Ce 413.764†	822.2	36.9	0.944153 ug/L	0.944153 ug/L	13:39:26
2	Co 228.616†	1402.8	1533.9	236.067 ug/L	236.067 ug/L	13:39:46
2	Cr 205.557†	2617.2	2736.5	238.543 ug/L	238.543 ug/L	13:39:46
2	Cu 327.397†	7654.4	7915.2	241.112 ug/L	241.112 ug/L	13:39:26
2	Mn 257.610†	34893.0	35893.3	243.701 ug/L	243.701 ug/L	13:39:26
2	Mo 202.031†	1981.9	1960.4	250.429 ug/L	250.429 ug/L	13:39:46
2	Ni 231.604†	3125.0	2879.3	238.832 ug/L	238.832 ug/L	13:39:46
2	Pb 220.353†	400.0	380.6	233.760 ug/L	233.760 ug/L	13:39:46
2	Sb 217.584†	1434.2	1531.1	1184.71 ug/L	1184.71 ug/L	13:39:46
2	Se 196.026†	345.1	392.4	1057.63 ug/L	1057.63 ug/L	13:39:46
2	Si 251.611†	26105.8	26871.3	2494.47 ug/L	2494.47 ug/L	13:39:26
2	Sn 189.927†	2423.0	2500.1	1176.45 ug/L	1176.45 ug/L	13:39:46
2	Tl 190.801†	875.6	944.6	1160.17 ug/L	1160.17 ug/L	13:39:46
2	V 292.395†	9249.7	10884.8	243.002 ug/L	243.002 ug/L	13:39:26
2	Zn 206.200†	2133.6	2274.2	236.988 ug/L	236.988 ug/L	13:39:46

Mean Data: 1001058-msd1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	187281.4	100.646	%	0.3435				0.34%
Y 360.076	227892.9	96.9277	%	0.38196				0.39%
Ag 328.068†	14853.9	237.217	ug/L	0.5108	237.217	ug/L	0.5108	0.22%
Al 396.153†	5449.1	1707.47	ug/L	14.937	1707.47	ug/L	14.937	0.87%
As 188.979†	721.6	1164.77	ug/L	7.541	1164.77	ug/L	7.541	0.65%
B 249.677†	4324.6	229.555	ug/L	1.2036	229.555	ug/L	1.2036	0.52%
Ba 455.398†	81579.2	271.629	ug/L	1.3586	271.629	ug/L	1.3586	0.50%
Be 234.861†	4651.2	22.8512	ug/L	0.04745	22.8512	ug/L	0.04745	0.21%
Ca 315.887†	25581.9	16.9488	mg/L	0.02391	16.9488	mg/L	0.02391	0.14%
Cd 214.437†	5951.8	229.470	ug/L	0.9888	229.470	ug/L	0.9888	0.43%
Ce 413.764†	68.3	1.79326	ug/L	1.200814	1.79326	ug/L	1.200814	66.96%
Co 228.616†	1527.5	235.079	ug/L	1.3972	235.079	ug/L	1.3972	0.59%
Cr 205.557†	2721.8	237.257	ug/L	1.8185	237.257	ug/L	1.8185	0.77%
Cu 327.397†	7902.9	240.737	ug/L	0.5301	240.737	ug/L	0.5301	0.22%
Fe 238.204†	1082.3	457.736	ug/L	1.2575	457.736	ug/L	1.2575	0.27%
K 766.490	8933.6	11.9624	mg/L	0.03609	11.9624	mg/L	0.03609	0.30%
Li 670.784†	8720.7	247.073	ug/L	2.6097	247.073	ug/L	2.6097	1.06%
Mg 279.071†	5960.5	12.6965	mg/L	0.14452	12.6965	mg/L	0.14452	1.14%
Mn 257.610†	35883.2	243.633	ug/L	0.0968	243.633	ug/L	0.0968	0.04%
Mo 202.031†	1947.4	248.771	ug/L	2.3440	248.771	ug/L	2.3440	0.94%
Na 589.592†	98094.9	14.6995	mg/L	0.09253	14.6995	mg/L	0.09253	0.63%
Ni 231.604†	2861.3	237.332	ug/L	2.1217	237.332	ug/L	2.1217	0.89%
Pb 220.353†	379.9	233.306	ug/L	0.6423	233.306	ug/L	0.6423	0.28%

Sb 217.584†	1522.4	1177.97 ug/L	9.529	1177.97 ug/L	9.529	0.81%
Se 196.026†	400.3	1078.91 ug/L	30.103	1078.91 ug/L	30.103	2.79%
Si 251.611†	26959.1	2502.70 ug/L	11.640	2502.70 ug/L	11.640	0.47%
Sn 189.927†	2492.9	1173.04 ug/L	4.820	1173.04 ug/L	4.820	0.41%
Sr 407.771†	217258.3	271.747 ug/L	1.1386	271.747 ug/L	1.1386	0.42%
Ti 334.940†	4027.8	265.983 ug/L	2.0485	265.983 ug/L	2.0485	0.77%
Tl 190.801†	943.7	1159.05 ug/L	1.580	1159.05 ug/L	1.580	0.14%
V 292.395†	10890.3	243.107 ug/L	0.1480	243.107 ug/L	0.1480	0.06%
Zn 206.200†	2269.0	236.447 ug/L	0.7650	236.447 ug/L	0.7650	0.32%

Sequence No.: 46
Sample ID: 0B09014-srd2
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 44
Date Collected: 2/9/2010 1:41:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B09014-srd2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	189615.1	189615.1	101.900	%			13:42:07
1	Al 396.153†	509.1	322.7	89.1135	ug/L	445.568	ug/L	13:42:07
1	Ba 455.398†	2034.0	2042.8	6.51970	ug/L	32.5985	ug/L	13:42:07
1	Ca 315.887†	1756.6	1607.2	1.05015	mg/L	5.25074	mg/L	13:42:27
1	Fe 238.204†	151.8	114.9	48.6491	ug/L	243.245	ug/L	13:42:27
1	K 766.490	113.0	62.2	0.0415662	mg/L	0.207831	mg/L	13:42:07
1	Li 670.784†	-19.3	43.2	-2.00925	ug/L	-10.0463	ug/L	13:42:07
1	Mg 279.071†	87.2	68.0	0.129217	mg/L	0.646087	mg/L	13:42:27
1	Na 589.592†	4175.1	3432.6	0.511327	mg/L	2.55664	mg/L	13:42:07
1	Sr 407.771†	5715.3	5454.8	5.99263	ug/L	29.9631	ug/L	13:42:07
1	Ti 334.940†	61.1	94.4	8.17112	ug/L	40.8556	ug/L	13:42:27
1	Y 360.076	238053.9	238053.9	101.249	%			13:42:59
1	Ag 328.068†	56.4	-35.4	-0.282061	ug/L	-1.41031	ug/L	13:42:59
1	As 188.979†	-24.1	1.6	-6.32248	ug/L	-31.6124	ug/L	13:43:19
1	B 249.677†	582.1	-92.2	-11.2087	ug/L	-56.0435	ug/L	13:43:19
1	Be 234.861†	-748.3	42.3	0.0189193	ug/L	0.0945964	ug/L	13:43:19
1	Cd 214.437†	410.5	-6.3	-1.78292	ug/L	-8.91461	ug/L	13:43:19
1	Ce 413.764†	820.6	-3.3	-0.0917447	ug/L	-0.458724	ug/L	13:42:59
1	Co 228.616†	-85.8	-2.2	-2.13368	ug/L	-10.6684	ug/L	13:43:19
1	Cr 205.557†	-26.0	3.1	-0.965941	ug/L	-4.82970	ug/L	13:43:19
1	Cu 327.397†	-6.9	-10.8	-0.427940	ug/L	-2.13970	ug/L	13:42:59
1	Mn 257.610†	443.2	231.4	0.120341	ug/L	0.601704	ug/L	13:43:19
1	Mo 202.031†	87.8	-3.3	0.652275	ug/L	3.26137	ug/L	13:43:19
1	Ni 231.604†	341.7	-16.2	-2.60092	ug/L	-13.0046	ug/L	13:43:19
1	Pb 220.353†	41.7	8.0	3.08024	ug/L	15.4012	ug/L	13:43:19
1	Sb 217.584†	-40.1	7.8	6.94953	ug/L	34.7476	ug/L	13:43:19
1	Se 196.026†	-34.4	1.3	7.67573	ug/L	38.3787	ug/L	13:43:19
1	Si 251.611†	2944.9	2771.3	252.209	ug/L	1261.04	ug/L	13:42:59
1	Sn 189.927†	5.6	-1.2	-0.539214	ug/L	-2.69607	ug/L	13:43:19
1	Tl 190.801†	-46.6	-7.4	-5.92542	ug/L	-29.6271	ug/L	13:43:19
1	V 292.395†	-1263.7	67.1	2.28559	ug/L	11.4279	ug/L	13:42:59
1	Zn 206.200†	-41.5	25.8	0.411608	ug/L	2.05804	ug/L	13:43:19
2	Sc 357.234	188697.0	188697.0	101.407	%			13:42:32
2	Al 396.153†	530.2	345.9	96.4607	ug/L	482.303	ug/L	13:42:32
2	Ba 455.398†	2076.4	2094.3	6.69139	ug/L	33.4570	ug/L	13:42:32
2	Ca 315.887†	1767.8	1626.7	1.06308	mg/L	5.31542	mg/L	13:42:52
2	Fe 238.204†	153.2	117.1	49.5430	ug/L	247.715	ug/L	13:42:52
2	K 766.490	93.2	42.4	0.0150176	mg/L	0.0750881	mg/L	13:42:32
2	Li 670.784†	10.8	72.7	-1.16076	ug/L	-5.80378	ug/L	13:42:32
2	Mg 279.071†	85.4	66.7	0.126346	mg/L	0.631728	mg/L	13:42:52
2	Na 589.592†	4123.4	3401.5	0.506669	mg/L	2.53335	mg/L	13:42:32
2	Sr 407.771†	5738.9	5505.4	6.05603	ug/L	30.2802	ug/L	13:42:32
2	Ti 334.940†	56.7	90.4	7.90686	ug/L	39.5343	ug/L	13:42:52
2	Y 360.076	237286.7	237286.7	100.923	%			13:43:24
2	Ag 328.068†	73.9	-17.8	0.0051835	ug/L	0.0259176	ug/L	13:43:24
2	As 188.979†	-24.9	0.8	-7.65490	ug/L	-38.2745	ug/L	13:43:44
2	B 249.677†	580.5	-91.8	-11.1946	ug/L	-55.9729	ug/L	13:43:44
2	Be 234.861†	-736.8	51.3	0.0634317	ug/L	0.317159	ug/L	13:43:44
2	Cd 214.437†	409.6	-5.9	-1.76819	ug/L	-8.84094	ug/L	13:43:44
2	Ce 413.764†	869.6	47.9	1.29270	ug/L	6.46349	ug/L	13:43:24

00202

2	Co 228.616†	-77.1	6.2	-0.836523 ug/L	-4.18261 ug/L	13:43:44
2	Cr 205.557†	-31.1	-2.0	-1.42012 ug/L	-7.10062 ug/L	13:43:44
2	Cu 327.397†	7.9	3.9	0.0190689 ug/L	0.0953447 ug/L	13:43:24
2	Mn 257.610†	430.8	220.5	0.0460637 ug/L	0.230318 ug/L	13:43:44
2	Mo 202.031†	87.9	-2.9	0.706328 ug/L	3.53164 ug/L	13:43:44
2	Ni 231.604†	337.4	-19.4	-2.87515 ug/L	-14.3757 ug/L	13:43:44
2	Pb 220.353†	37.1	3.5	0.304424 ug/L	1.52212 ug/L	13:43:44
2	Sb 217.584†	-37.7	10.1	8.68486 ug/L	43.4243 ug/L	13:43:44
2	Se 196.026†	-34.3	1.4	7.79548 ug/L	38.9774 ug/L	13:43:44
2	Si 251.611†	2982.1	2817.6	256.542 ug/L	1282.71 ug/L	13:43:24
2	Sn 189.927†	3.3	-3.4	-1.57246 ug/L	-7.86228 ug/L	13:43:44
2	Tl 190.801†	-45.0	-5.9	-4.10667 ug/L	-20.5333 ug/L	13:43:44
2	V 292.395†	-1223.6	102.9	3.07362 ug/L	15.3681 ug/L	13:43:24
2	Zn 206.200†	-39.7	27.5	0.584881 ug/L	2.92440 ug/L	13:43:44

Mean Data: 0B09014-srd2

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	189156.1	101.653	%	0.3489				0.34%
Y 360.076	237670.3	101.086	%	0.2307				0.23%
Ag 328.068†	-26.6	-0.138439	ug/L	0.2031128	-0.692194	ug/L	1.0155638	146.72%
Al 396.153†	334.3	92.7871	ug/L	5.19520	463.936	ug/L	25.9760	5.60%
As 188.979†	1.2	-6.98869	ug/L	0.942166	-34.9435	ug/L	4.71083	13.48%
B 249.677†	-92.0	-11.2016	ug/L	0.00998	-56.0082	ug/L	0.04990	0.09%
Ba 455.398†	2068.6	6.60554	ug/L	0.121406	33.0277	ug/L	0.60703	1.84%
Be 234.861†	46.8	0.0411755	ug/L	0.03147507	0.205878	ug/L	0.1573754	76.44%
Ca 315.887†	1616.9	1.05662	mg/L	0.009147	5.28308	mg/L	0.045734	0.87%
Cd 214.437†	-6.1	-1.77556	ug/L	0.010418	-8.87778	ug/L	0.052092	0.59%
Ce 413.764†	22.3	0.600476	ug/L	0.9789481	3.00238	ug/L	4.894741	163.03%
Co 228.616†	2.0	-1.48510	ug/L	0.917232	-7.42552	ug/L	4.586160	61.76%
Cr 205.557†	0.6	-1.19303	ug/L	0.321156	-5.96516	ug/L	1.605782	26.92%
Cu 327.397†	-3.5	-0.204435	ug/L	0.3160829	-1.02218	ug/L	1.580414	154.61%
Fe 238.204†	116.0	49.0961	ug/L	0.63211	245.480	ug/L	3.1606	1.29%
K 766.490	52.3	0.0282919	mg/L	0.01877268	0.141460	mg/L	0.0938634	66.35%
Li 670.784†	57.9	-1.58500	ug/L	0.599979	-7.92502	ug/L	2.999894	37.85%
Mg 279.071†	67.3	0.127781	mg/L	0.0020308	0.638907	mg/L	0.0101539	1.59%
Mn 257.610†	225.9	0.0832022	ug/L	0.05252178	0.416011	ug/L	0.2626089	63.13%
Mo 202.031†	-3.1	0.679301	ug/L	0.0382211	3.39651	ug/L	0.191106	5.63%
Na 589.592†	3417.1	0.508998	mg/L	0.0032935	2.54499	mg/L	0.016468	0.65%
Ni 231.604†	-17.8	-2.73803	ug/L	0.193912	-13.6902	ug/L	0.96956	7.08%
Pb 220.353†	5.8	1.69233	ug/L	1.962800	8.46166	ug/L	9.813998	115.98%
Sb 217.584†	8.9	7.81719	ug/L	1.227063	39.0860	ug/L	6.13532	15.70%
Se 196.026†	1.4	7.73561	ug/L	0.084675	38.6780	ug/L	0.42338	1.09%
Si 251.611†	2794.4	254.375	ug/L	3.0636	1271.88	ug/L	15.318	1.20%
Sn 189.927†	-2.3	-1.05583	ug/L	0.730612	-5.27917	ug/L	3.653061	69.20%
Sr 407.771†	5480.1	6.02433	ug/L	0.044836	30.1216	ug/L	0.22418	0.74%
Ti 334.940†	92.4	8.03899	ug/L	0.186858	40.1950	ug/L	0.93429	2.32%
Tl 190.801†	-6.6	-5.01604	ug/L	1.286050	-25.0802	ug/L	6.43025	25.64%
V 292.395†	85.0	2.67960	ug/L	0.557226	13.3980	ug/L	2.78613	20.80%
Zn 206.200†	26.6	0.498244	ug/L	0.1225224	2.49122	ug/L	0.612612	24.59%

==========

Sequence No.: 47
Sample ID: 1001058-ps1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 45
Date Collected: 2/9/2010 1:44:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001058-ps1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	188185.3	188185.3	101.132	%			13:46:02
1	Al 396.153†	5767.1	5525.7	1731.68	ug/L	1731.68	ug/L	13:46:23
1	Ba 455.398†	83402.4	82515.9	274.751	ug/L	274.751	ug/L	13:46:02
1	Ca 315.887†	26092.4	25683.8	17.0164	mg/L	17.0164	mg/L	13:46:02
1	Fe 238.204†	1185.3	1138.0	481.343	ug/L	481.343	ug/L	13:46:23
1	K 766.490	9269.4	9218.6	12.3454	mg/L	12.3454	mg/L	13:46:02
1	Li 670.784†	8788.2	8752.0	247.969	ug/L	247.969	ug/L	13:46:02
1	Mg 279.071†	6203.2	6116.3	13.0288	mg/L	13.0288	mg/L	13:46:23

1	Na 589.592†	100738.3	98946.5	14.8271 mg/L	14.8271 mg/L	13:46:02
1	Sr 407.771†	222581.5	219937.2	275.108 ug/L	275.108 ug/L	13:46:02
1	Ti 334.940†	4182.4	4170.0	275.303 ug/L	275.303 ug/L	13:46:23
1	Y 360.076	233857.9	233857.9	99.4648 %		13:46:54
1	Ag 328.068†	14956.6	14946.0	238.686 ug/L	238.686 ug/L	13:46:54
1	As 188.979†	706.2	735.4	1187.08 ug/L	1187.08 ug/L	13:47:14
1	B 249.677†	5042.0	4402.1	233.776 ug/L	233.776 ug/L	13:46:54
1	Be 234.861†	4022.3	4825.3	23.7113 ug/L	23.7113 ug/L	13:47:14
1	Cd 214.437†	6405.8	6028.5	232.448 ug/L	232.448 ug/L	13:47:14
1	Ce 413.764†	845.4	36.2	0.923463 ug/L	0.923463 ug/L	13:46:54
1	Co 228.616†	1459.5	1549.9	238.529 ug/L	238.529 ug/L	13:47:14
1	Cr 205.557†	2689.6	2732.8	238.225 ug/L	238.225 ug/L	13:47:14
1	Cu 327.397†	7872.3	7910.7	240.982 ug/L	240.982 ug/L	13:46:54
1	Mn 257.610†	36579.4	36569.9	248.323 ug/L	248.323 ug/L	13:46:54
1	Mo 202.031†	2024.4	1945.3	248.503 ug/L	248.503 ug/L	13:47:14
1	Ni 231.604†	3205.5	2869.0	237.966 ug/L	237.966 ug/L	13:47:14
1	Pb 220.353†	412.4	381.4	234.227 ug/L	234.227 ug/L	13:47:14
1	Sb 217.584†	1495.2	1550.6	1199.80 ug/L	1199.80 ug/L	13:47:14
1	Se 196.026†	388.4	425.8	1147.52 ug/L	1147.52 ug/L	13:47:14
1	Si 251.611†	27490.5	27501.2	2553.04 ug/L	2553.04 ug/L	13:46:54
1	Sn 189.927†	2535.1	2542.1	1196.15 ug/L	1196.15 ug/L	13:47:14
1	Tl 190.801†	924.2	967.9	1188.73 ug/L	1188.73 ug/L	13:47:14
1	V 292.395†	9709.1	11076.6	247.199 ug/L	247.199 ug/L	13:46:54
1	Zn 206.200†	2254.2	2333.1	243.193 ug/L	243.193 ug/L	13:47:14
2	Sc 357.234	187078.5	187078.5	100.537 %		13:46:28
2	Al 396.153†	5738.1	5530.6	1733.14 ug/L	1733.14 ug/L	13:46:48
2	Ba 455.398†	83119.3	82722.3	275.439 ug/L	275.439 ug/L	13:46:28
2	Ca 315.887†	26004.9	25749.4	17.0599 mg/L	17.0599 mg/L	13:46:28
2	Fe 238.204†	1173.2	1132.9	479.180 ug/L	479.180 ug/L	13:46:48
2	K 766.490	9259.7	9208.9	12.3324 mg/L	12.3324 mg/L	13:46:28
2	Li 670.784†	8758.5	8773.8	248.597 ug/L	248.597 ug/L	13:46:28
2	Mg 279.071†	6189.1	6138.5	13.0761 mg/L	13.0761 mg/L	13:46:48
2	Na 589.592†	100433.8	99233.0	14.8700 mg/L	14.8700 mg/L	13:46:28
2	Sr 407.771†	221889.1	220550.6	275.878 ug/L	275.878 ug/L	13:46:28
2	Ti 334.940†	4169.7	4181.9	276.079 ug/L	276.079 ug/L	13:46:48
2	Y 360.076	230876.5	230876.5	98.1967 %		13:47:19
2	Ag 328.068†	14858.1	15039.9	240.180 ug/L	240.180 ug/L	13:47:19
2	As 188.979†	705.8	744.1	1201.37 ug/L	1201.37 ug/L	13:47:39
2	B 249.677†	4975.4	4399.7	233.640 ug/L	233.640 ug/L	13:47:19
2	Be 234.861†	4043.0	4898.6	24.0776 ug/L	24.0776 ug/L	13:47:39
2	Cd 214.437†	6459.5	6166.4	237.803 ug/L	237.803 ug/L	13:47:39
2	Ce 413.764†	819.7	21.0	0.511170 ug/L	0.511170 ug/L	13:47:19
2	Co 228.616†	1466.0	1575.4	242.504 ug/L	242.504 ug/L	13:47:39
2	Cr 205.557†	2722.5	2801.3	244.220 ug/L	244.220 ug/L	13:47:39
2	Cu 327.397†	7833.7	7973.6	242.895 ug/L	242.895 ug/L	13:47:19
2	Mn 257.610†	36177.0	36635.0	248.767 ug/L	248.767 ug/L	13:47:19
2	Mo 202.031†	2046.1	1993.6	254.649 ug/L	254.649 ug/L	13:47:39
2	Ni 231.604†	3227.3	2932.9	243.291 ug/L	243.291 ug/L	13:47:39
2	Pb 220.353†	418.8	393.3	241.610 ug/L	241.610 ug/L	13:47:39
2	Sb 217.584†	1516.3	1591.5	1231.41 ug/L	1231.41 ug/L	13:47:39
2	Se 196.026†	382.0	424.4	1143.69 ug/L	1143.69 ug/L	13:47:39
2	Si 251.611†	27236.5	27599.4	2562.19 ug/L	2562.19 ug/L	13:47:19
2	Sn 189.927†	2558.2	2598.5	1222.64 ug/L	1222.64 ug/L	13:47:39
2	Tl 190.801†	937.3	993.2	1219.61 ug/L	1219.61 ug/L	13:47:39
2	V 292.395†	9499.7	10989.4	245.342 ug/L	245.342 ug/L	13:47:19
2	Zn 206.200†	2273.4	2381.9	248.334 ug/L	248.334 ug/L	13:47:39

Mean Data: 1001058-ps1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	187631.9	100.834	%	0.4206				0.42%
Y 360.076	232367.2	98.8308	%	0.89665				0.91%
Ag 328.068†	14993.0	239.433	ug/L	1.0563	239.433	ug/L	1.0563	0.44%
Al 396.153†	5528.1	1732.41	ug/L	1.033	1732.41	ug/L	1.033	0.06%
As 188.979†	739.8	1194.23	ug/L	10.100	1194.23	ug/L	10.100	0.85%
B 249.677†	4400.9	233.708	ug/L	0.0962	233.708	ug/L	0.0962	0.04%
Ba 455.398†	82619.1	275.095	ug/L	0.4864	275.095	ug/L	0.4864	0.18%
Be 234.861†	4861.9	23.8945	ug/L	0.25901	23.8945	ug/L	0.25901	1.08%
Ca 315.887†	25716.6	17.0381	mg/L	0.03076	17.0381	mg/L	0.03076	0.18%
Cd 214.437†	6097.5	235.125	ug/L	3.7865	235.125	ug/L	3.7865	1.61%

00204

Ce 413.764†	28.6	0.717316 ug/L	0.2915357	0.717316 ug/L	0.2915357	40.64%
Co 228.616†	1562.6	240.517 ug/L	2.8107	240.517 ug/L	2.8107	1.17%
Cr 205.557†	2767.1	241.222 ug/L	4.2394	241.222 ug/L	4.2394	1.76%
Cu 327.397†	7942.1	241.938 ug/L	1.3527	241.938 ug/L	1.3527	0.56%
Fe 238.204†	1135.5	480.261 ug/L	1.5299	480.261 ug/L	1.5299	0.32%
K 766.490	9213.8	12.3389 mg/L	0.00921	12.3389 mg/L	0.00921	0.07%
Li 670.784†	8762.9	248.283 ug/L	0.4436	248.283 ug/L	0.4436	0.18%
Mg 279.071†	6127.4	13.0525 mg/L	0.03348	13.0525 mg/L	0.03348	0.26%
Mn 257.610†	36602.4	248.545 ug/L	0.3140	248.545 ug/L	0.3140	0.13%
Mo 202.031†	1969.5	251.576 ug/L	4.3456	251.576 ug/L	4.3456	1.73%
Na 589.592†	99089.7	14.8486 mg/L	0.03036	14.8486 mg/L	0.03036	0.20%
Ni 231.604†	2900.9	240.628 ug/L	3.7656	240.628 ug/L	3.7656	1.56%
Pb 220.353†	387.3	237.919 ug/L	5.2203	237.919 ug/L	5.2203	2.19%
Sb 217.584†	1571.1	1215.60 ug/L	22.353	1215.60 ug/L	22.353	1.84%
Se 196.026†	425.1	1145.60 ug/L	2.711	1145.60 ug/L	2.711	0.24%
Si 251.611†	27550.3	2557.61 ug/L	6.469	2557.61 ug/L	6.469	0.25%
Sn 189.927†	2570.3	1209.40 ug/L	18.736	1209.40 ug/L	18.736	1.55%
Sr 407.771†	220243.9	275.493 ug/L	0.5443	275.493 ug/L	0.5443	0.20%
Ti 334.940†	4175.9	275.691 ug/L	0.5487	275.691 ug/L	0.5487	0.20%
Tl 190.801†	980.5	1204.17 ug/L	21.837	1204.17 ug/L	21.837	1.81%
V 292.395†	11033.0	246.271 ug/L	1.3128	246.271 ug/L	1.3128	0.53%
Zn 206.200†	2357.5	245.763 ug/L	3.6346	245.763 ug/L	3.6346	1.48%

Sequence No.: 48 **Autosampler Location: 46**
Sample ID: 1002038-18 **Date Collected: 2/9/2010 1:48:55 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1002038-18

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	189267.0	189267.0	101.713	%			13:50:01
1	Al 396.153†	2234.4	2019.9	626.695	ug/L	626.695	ug/L	13:50:21
1	Ba 455.398†	8503.3	8406.8	27.7320	ug/L	27.7320	ug/L	13:50:01
1	Ca 315.887†	11946.5	11628.7	7.69585	mg/L	7.69585	mg/L	13:50:21
1	Fe 238.204†	666.3	621.0	263.092	ug/L	263.092	ug/L	13:50:21
1	K 766.490	175.7	124.9	0.125890	mg/L	0.125890	mg/L	13:50:21
1	Li 670.784†	94.4	154.9	1.19883	ug/L	1.19883	ug/L	13:50:21
1	Mg 279.071†	378.1	354.3	0.739697	mg/L	0.739697	mg/L	13:50:21
1	Na 589.592†	26554.8	25443.0	3.81027	mg/L	3.81027	mg/L	13:50:01
1	Sr 407.771†	17015.6	16575.1	19.9455	ug/L	19.9455	ug/L	13:50:01
1	Ti 334.940†	406.5	434.2	30.4375	ug/L	30.4375	ug/L	13:50:21
1	Y 360.076	231490.5	231490.5	98.4579	%			13:50:52
1	Ag 328.068†	96.0	6.4	0.499653	ug/L	0.499653	ug/L	13:50:52
1	As 188.979†	-22.9	2.2	-5.56189	ug/L	-5.56189	ug/L	13:51:12
1	B 249.677†	855.7	202.0	4.88159	ug/L	4.88159	ug/L	13:51:12
1	Be 234.861†	-728.6	41.4	-0.0616515	ug/L	-0.0616515	ug/L	13:51:12
1	Cd 214.437†	404.6	-0.8	-1.64465	ug/L	-1.64465	ug/L	13:51:12
1	Ce 413.764†	885.2	85.3	2.29655	ug/L	2.29655	ug/L	13:50:52
1	Co 228.616†	-85.7	-4.5	-2.54578	ug/L	-2.54578	ug/L	13:51:12
1	Cr 205.557†	-19.3	9.2	-0.426248	ug/L	-0.426248	ug/L	13:51:12
1	Cu 327.397†	-2.4	-6.4	-0.277660	ug/L	-0.277660	ug/L	13:50:52
1	Mn 257.610†	777.3	583.1	2.53090	ug/L	2.53090	ug/L	13:51:12
1	Mo 202.031†	106.3	17.9	3.35205	ug/L	3.35205	ug/L	13:51:12
1	Ni 231.604†	358.7	10.6	-0.366843	ug/L	-0.366843	ug/L	13:51:12
1	Pb 220.353†	39.6	7.0	2.45750	ug/L	2.45750	ug/L	13:51:12
1	Sb 217.584†	-57.1	-10.6	-6.64627	ug/L	-6.64627	ug/L	13:51:12
1	Se 196.026†	-33.7	1.1	7.27418	ug/L	7.27418	ug/L	13:51:12
1	Si 251.611†	16016.5	16130.1	1498.28	ug/L	1498.28	ug/L	13:50:52
1	Sn 189.927†	-11.2	-18.0	-6.99624	ug/L	-6.99624	ug/L	13:51:12
1	Tl 190.801†	-45.2	-7.2	-5.46281	ug/L	-5.46281	ug/L	13:51:12
1	V 292.395†	-1125.2	172.5	4.58152	ug/L	4.58152	ug/L	13:51:12
1	Zn 206.200†	-22.8	43.7	2.25342	ug/L	2.25342	ug/L	13:51:12
2	Sc 357.234	190185.9	190185.9	102.207	%			13:50:26
2	Al 396.153†	2208.4	1983.8	615.292	ug/L	615.292	ug/L	13:50:46
2	Ba 455.398†	8631.4	8491.8	28.0154	ug/L	28.0154	ug/L	13:50:26
2	Ca 315.887†	11768.3	11397.6	7.54258	mg/L	7.54258	mg/L	13:50:46
2	Fe 238.204†	655.1	606.9	257.127	ug/L	257.127	ug/L	13:50:46

2	K 766.490	192.3	141.5	0.148154 mg/L	0.148154 mg/L	13:50:46
2	Li 670.784†	76.7	137.1	0.688164 ug/L	0.688164 ug/L	13:50:46
2	Mg 279.071†	375.4	349.8	0.730163 mg/L	0.730163 mg/L	13:50:46
2	Na 589.592†	26980.5	25733.4	3.85380 mg/L	3.85380 mg/L	13:50:26
2	Sr 407.771†	17163.2	16638.8	20.0254 ug/L	20.0254 ug/L	13:50:26
2	Ti 334.940†	390.3	416.3	29.2667 ug/L	29.2667 ug/L	13:50:46
2	Y 360.076	236685.2	236685.2	100.667 %		13:51:17
2	Ag 328.068†	32.6	-58.7	-0.539832 ug/L	-0.539832 ug/L	13:51:17
2	As 188.979†	-21.8	3.8	-2.87726 ug/L	-2.87726 ug/L	13:51:37
2	B 249.677†	850.9	178.2	3.57574 ug/L	3.57574 ug/L	13:51:37
2	Be 234.861†	-734.2	52.0	-0.0063915 ug/L	-0.0063915 ug/L	13:51:37
2	Cd 214.437†	411.4	-3.0	-1.72981 ug/L	-1.72981 ug/L	13:51:37
2	Ce 413.764†	910.0	90.2	2.43019 ug/L	2.43019 ug/L	13:51:17
2	Co 228.616†	-77.5	5.5	-0.992184 ug/L	-0.992184 ug/L	13:51:37
2	Cr 205.557†	-18.6	10.3	-0.327017 ug/L	-0.327017 ug/L	13:51:37
2	Cu 327.397†	14.5	10.4	0.231433 ug/L	0.231433 ug/L	13:51:17
2	Mn 257.610†	776.1	564.6	2.40392 ug/L	2.40392 ug/L	13:51:37
2	Mo 202.031†	98.8	8.1	2.10062 ug/L	2.10062 ug/L	13:51:37
2	Ni 231.604†	358.8	2.7	-1.02649 ug/L	-1.02649 ug/L	13:51:37
2	Pb 220.353†	37.7	4.3	0.757623 ug/L	0.757623 ug/L	13:51:37
2	Sb 217.584†	-49.8	-2.1	-0.105443 ug/L	-0.105443 ug/L	13:51:37
2	Se 196.026†	-41.2	-5.6	-10.5928 ug/L	-10.5928 ug/L	13:51:37
2	Si 251.611†	16354.5	16108.8	1496.33 ug/L	1496.33 ug/L	13:51:17
2	Sn 189.927†	-8.4	-15.0	-5.61363 ug/L	-5.61363 ug/L	13:51:37
2	Tl 190.801†	-47.5	-8.5	-7.11359 ug/L	-7.11359 ug/L	13:51:37
2	V 292.395†	-1153.0	169.9	4.51404 ug/L	4.51404 ug/L	13:51:37
2	Zn 206.200†	-22.5	44.4	2.33411 ug/L	2.33411 ug/L	13:51:37

Mean Data: 1002038-18

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	189726.4	101.960	%	0.3492				0.34%
Y 360.076	234087.8	99.5626	%	1.56232				1.57%
Ag 328.068†	-26.1	-0.0200894	ug/L	0.73502687	-0.0200894	ug/L	0.73502687	>999.9%
Al 396.153†	2001.9	620.993	ug/L	8.0632	620.993	ug/L	8.0632	1.30%
As 188.979†	3.0	-4.21957	ug/L	1.898318	-4.21957	ug/L	1.898318	44.99%
B 249.677†	190.1	4.22866	ug/L	0.923375	4.22866	ug/L	0.923375	21.84%
Ba 455.398†	8449.3	27.8737	ug/L	0.20038	27.8737	ug/L	0.20038	0.72%
Be 234.861†	46.7	-0.0340215	ug/L	0.03907468	-0.0340215	ug/L	0.03907468	114.85%
Ca 315.887†	11513.2	7.61922	mg/L	0.108377	7.61922	mg/L	0.108377	1.42%
Cd 214.437†	-1.9	-1.68723	ug/L	0.060218	-1.68723	ug/L	0.060218	3.57%
Ce 413.764†	87.7	2.36337	ug/L	0.094493	2.36337	ug/L	0.094493	4.00%
Co 228.616†	0.5	-1.76898	ug/L	1.098561	-1.76898	ug/L	1.098561	62.10%
Cr 205.557†	9.7	-0.376632	ug/L	0.0701671	-0.376632	ug/L	0.0701671	18.63%
Cu 327.397†	2.0	-0.0231134	ug/L	0.35998277	-0.0231134	ug/L	0.35998277	>999.9%
Fe 238.204†	614.0	260.110	ug/L	4.2175	260.110	ug/L	4.2175	1.62%
K 766.490	133.2	0.137022	mg/L	0.0157424	0.137022	mg/L	0.0157424	11.49%
Li 670.784†	146.0	0.943498	ug/L	0.3610979	0.943498	ug/L	0.3610979	38.27%
Mg 279.071†	352.0	0.734930	mg/L	0.0067418	0.734930	mg/L	0.0067418	0.92%
Mn 257.610†	573.9	2.46741	ug/L	0.089790	2.46741	ug/L	0.089790	3.64%
Mo 202.031†	13.0	2.72634	ug/L	0.884897	2.72634	ug/L	0.884897	32.46%
Na 589.592†	25588.2	3.83204	mg/L	0.030779	3.83204	mg/L	0.030779	0.80%
Ni 231.604†	6.6	-0.696664	ug/L	0.4664382	-0.696664	ug/L	0.4664382	66.95%
Pb 220.353†	5.6	1.60756	ug/L	1.201997	1.60756	ug/L	1.201997	74.77%
Sb 217.584†	-6.4	-3.37586	ug/L	4.625065	-3.37586	ug/L	4.625065	137.00%
Se 196.026†	-2.2	-1.65928	ug/L	12.633832	-1.65928	ug/L	12.633832	761.40%
Si 251.611†	16119.4	1497.31	ug/L	1.384	1497.31	ug/L	1.384	0.09%
Sn 189.927†	-16.5	-6.30494	ug/L	0.977656	-6.30494	ug/L	0.977656	15.51%
Sr 407.771†	16607.0	19.9854	ug/L	0.05646	19.9854	ug/L	0.05646	0.28%
Ti 334.940†	425.2	29.8521	ug/L	0.82788	29.8521	ug/L	0.82788	2.77%
Tl 190.801†	-7.8	-6.28820	ug/L	1.167282	-6.28820	ug/L	1.167282	18.56%
V 292.395†	171.2	4.54778	ug/L	0.047713	4.54778	ug/L	0.047713	1.05%
Zn 206.200†	44.0	2.29377	ug/L	0.057056	2.29377	ug/L	0.057056	2.49%

==========

Sequence No.: 49
Sample ID: 0B09014-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 2/9/2010 1:52:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B09014-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	188611.7	188611.7	101.361	%			13:53:57
1	Al 396.153†	8348.7	8059.7	2524.91	ug/L	2524.91	ug/L	13:53:57
1	Ba 455.398†	153160.4	151151.1	503.525	ug/L	503.525	ug/L	13:53:57
1	Ca 315.887†	7681.8	7462.1	4.93278	mg/L	4.93278	mg/L	13:54:17
1	Fe 238.204†	1210.7	1160.4	491.072	ug/L	491.072	ug/L	13:54:17
1	K 766.490	3845.3	3794.6	5.05690	mg/L	5.05690	mg/L	13:54:17
1	Li 670.784†	18226.4	18043.8	514.682	ug/L	514.682	ug/L	13:53:57
1	Mg 279.071†	2399.3	2349.5	4.99516	mg/L	4.99516	mg/L	13:54:17
1	Na 589.592†	35078.2	33942.7	5.08422	mg/L	5.08422	mg/L	13:53:57
1	Sr 407.771†	406586.5	400974.6	502.260	ug/L	502.260	ug/L	13:53:57
1	Ti 334.940†	7544.9	7478.1	492.127	ug/L	492.127	ug/L	13:54:17
1	Y 360.076	237005.8	237005.8	100.804	%			13:54:49
1	Ag 328.068†	31387.0	31045.7	495.082	ug/L	495.082	ug/L	13:54:49
1	As 188.979†	1497.8	1511.3	2449.51	ug/L	2449.51	ug/L	13:55:09
1	B 249.677†	9515.1	8772.1	471.932	ug/L	471.932	ug/L	13:54:49
1	Be 234.861†	9216.6	9924.5	49.1293	ug/L	49.1293	ug/L	13:55:09
1	Cd 214.437†	13143.7	12627.2	488.707	ug/L	488.707	ug/L	13:55:09
1	Ce 413.764†	802.8	-17.4	-0.561392	ug/L	-0.561392	ug/L	13:54:49
1	Co 228.616†	3137.1	3194.6	493.732	ug/L	493.732	ug/L	13:55:09
1	Cr 205.557†	5649.4	5633.1	492.336	ug/L	492.336	ug/L	13:55:09
1	Cu 327.397†	16195.3	16062.3	489.364	ug/L	489.364	ug/L	13:54:49
1	Mn 257.610†	73122.7	72333.4	492.583	ug/L	492.583	ug/L	13:54:49
1	Mo 202.031†	3971.6	3849.9	490.761	ug/L	490.761	ug/L	13:55:09
1	Ni 231.604†	6328.9	5924.7	492.711	ug/L	492.711	ug/L	13:55:09
1	Pb 220.353†	814.4	774.7	477.685	ug/L	477.685	ug/L	13:55:09
1	Sb 217.584†	3136.0	3158.4	2441.55	ug/L	2441.55	ug/L	13:55:09
1	Se 196.026†	871.9	900.3	2420.92	ug/L	2420.92	ug/L	13:55:09
1	Si 251.611†	26687.8	26337.8	2438.80	ug/L	2438.80	ug/L	13:54:49
1	Sn 189.927†	5260.2	5211.6	2445.93	ug/L	2445.93	ug/L	13:55:09
1	Tl 190.801†	1970.5	1993.5	2444.41	ug/L	2444.41	ug/L	13:55:09
1	V 292.395†	20968.1	22116.2	492.822	ug/L	492.822	ug/L	13:54:49
1	Zn 206.200†	4654.1	4683.8	491.137	ug/L	491.137	ug/L	13:55:09
2	Sc 357.234	189141.9	189141.9	101.646	%			13:54:22
2	Al 396.153†	8279.5	7968.6	2496.22	ug/L	2496.22	ug/L	13:54:22
2	Ba 455.398†	153210.1	150776.4	502.276	ug/L	502.276	ug/L	13:54:22
2	Ca 315.887†	7716.8	7475.3	4.94153	mg/L	4.94153	mg/L	13:54:42
2	Fe 238.204†	1217.8	1164.1	492.626	ug/L	492.626	ug/L	13:54:42
2	K 766.490	3806.8	3756.0	5.00503	mg/L	5.00503	mg/L	13:54:42
2	Li 670.784†	18245.5	18012.2	513.775	ug/L	513.775	ug/L	13:54:22
2	Mg 279.071†	2406.5	2350.0	4.99625	mg/L	4.99625	mg/L	13:54:42
2	Na 589.592†	35005.7	33774.3	5.05899	mg/L	5.05899	mg/L	13:54:22
2	Sr 407.771†	406496.5	399761.5	500.738	ug/L	500.738	ug/L	13:54:22
2	Ti 334.940†	7586.1	7497.8	493.416	ug/L	493.416	ug/L	13:54:42
2	Y 360.076	237523.2	237523.2	101.024	%			13:55:14
2	Ag 328.068†	31500.6	31090.3	495.798	ug/L	495.798	ug/L	13:55:14
2	As 188.979†	1490.9	1501.2	2433.02	ug/L	2433.02	ug/L	13:55:34
2	B 249.677†	9606.0	8841.6	475.754	ug/L	475.754	ug/L	13:55:14
2	Be 234.861†	9125.5	9814.4	48.5798	ug/L	48.5798	ug/L	13:55:34
2	Cd 214.437†	13024.0	12480.3	483.005	ug/L	483.005	ug/L	13:55:34
2	Ce 413.764†	839.0	16.8	0.362532	ug/L	0.362532	ug/L	13:55:14
2	Co 228.616†	3081.1	3132.4	484.066	ug/L	484.066	ug/L	13:55:34
2	Cr 205.557†	5599.8	5571.8	486.966	ug/L	486.966	ug/L	13:55:34
2	Cu 327.397†	16225.8	16057.4	489.218	ug/L	489.218	ug/L	13:55:14
2	Mn 257.610†	73448.8	72498.2	493.708	ug/L	493.708	ug/L	13:55:14
2	Mo 202.031†	3933.8	3804.0	484.917	ug/L	484.917	ug/L	13:55:34
2	Ni 231.604†	6278.3	5861.0	487.405	ug/L	487.405	ug/L	13:55:34
2	Pb 220.353†	819.0	777.5	479.413	ug/L	479.413	ug/L	13:55:34
2	Sb 217.584†	3102.0	3117.9	2410.33	ug/L	2410.33	ug/L	13:55:34
2	Se 196.026†	876.1	902.5	2426.94	ug/L	2426.94	ug/L	13:55:34
2	Si 251.611†	26879.7	26470.1	2451.11	ug/L	2451.11	ug/L	13:55:14
2	Sn 189.927†	5214.1	5154.6	2419.20	ug/L	2419.20	ug/L	13:55:34
2	Tl 190.801†	1956.1	1975.0	2421.78	ug/L	2421.78	ug/L	13:55:34
2	V 292.395†	21088.5	22190.1	494.389	ug/L	494.389	ug/L	13:55:14
2	Zn 206.200†	4605.8	4626.0	485.041	ug/L	485.041	ug/L	13:55:34

Mean Data: 0B09014-CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	188876.8	101.503	%	0.2015				0.20%
Y 360.076	237264.5	100.914	%	0.1556				0.15%
Ag 328.068†	31068.0	495.440	ug/L	0.5066	495.440	ug/L	0.5066	0.10%
QC value within limits for Ag 328.068 Recovery = 99.09%								
Al 396.153†	8014.1	2510.56	ug/L	20.286	2510.56	ug/L	20.286	0.81%
QC value within limits for Al 396.153 Recovery = 100.42%								
As 188.979†	1506.2	2441.27	ug/L	11.662	2441.27	ug/L	11.662	0.48%
QC value within limits for As 188.979 Recovery = 97.65%								
B 249.677†	8806.9	473.843	ug/L	2.7024	473.843	ug/L	2.7024	0.57%
QC value within limits for B 249.677 Recovery = 94.77%								
Ba 455.398†	150963.8	502.900	ug/L	0.8831	502.900	ug/L	0.8831	0.18%
QC value within limits for Ba 455.398 Recovery = 100.58%								
Be 234.861†	9869.5	48.8546	ug/L	0.38855	48.8546	ug/L	0.38855	0.80%
QC value within limits for Be 234.861 Recovery = 97.71%								
Ca 315.887†	7468.7	4.93715	mg/L	0.006187	4.93715	mg/L	0.006187	0.13%
QC value within limits for Ca 315.887 Recovery = 98.74%								
Cd 214.437†	12553.8	485.856	ug/L	4.0318	485.856	ug/L	4.0318	0.83%
QC value within limits for Cd 214.437 Recovery = 97.17%								
Ce 413.764†	-0.3	-0.0994299	ug/L	0.65331255	-0.0994299	ug/L	0.65331255	657.06%
Co 228.616†	3163.5	488.899	ug/L	6.8345	488.899	ug/L	6.8345	1.40%
QC value within limits for Co 228.616 Recovery = 97.78%								
Cr 205.557†	5602.5	489.651	ug/L	3.7972	489.651	ug/L	3.7972	0.78%
QC value within limits for Cr 205.557 Recovery = 97.93%								
Cu 327.397†	16059.8	489.291	ug/L	0.1029	489.291	ug/L	0.1029	0.02%
QC value within limits for Cu 327.397 Recovery = 97.86%								
Fe 238.204†	1162.2	491.849	ug/L	1.0982	491.849	ug/L	1.0982	0.22%
QC value within limits for Fe 238.204 Recovery = 98.37%								
K 766.490	3775.3	5.03096	mg/L	0.036673	5.03096	mg/L	0.036673	0.73%
QC value within limits for K 766.490 Recovery = 100.62%								
Li 670.784†	18028.0	514.229	ug/L	0.6418	514.229	ug/L	0.6418	0.12%
QC value within limits for Li 670.784 Recovery = 102.85%								
Mg 279.071†	2349.8	4.99570	mg/L	0.000767	4.99570	mg/L	0.000767	0.02%
QC value within limits for Mg 279.071 Recovery = 99.91%								
Mn 257.610†	72415.8	493.145	ug/L	0.7958	493.145	ug/L	0.7958	0.16%
QC value within limits for Mn 257.610 Recovery = 98.63%								
Mo 202.031†	3826.9	487.839	ug/L	4.1322	487.839	ug/L	4.1322	0.85%
QC value within limits for Mo 202.031 Recovery = 97.57%								
Na 589.592†	33858.5	5.07161	mg/L	0.017840	5.07161	mg/L	0.017840	0.35%
QC value within limits for Na 589.592 Recovery = 101.43%								
Ni 231.604†	5892.9	490.058	ug/L	3.7517	490.058	ug/L	3.7517	0.77%
QC value within limits for Ni 231.604 Recovery = 98.01%								
Pb 220.353†	776.1	478.549	ug/L	1.2218	478.549	ug/L	1.2218	0.26%
QC value within limits for Pb 220.353 Recovery = 95.71%								
Sb 217.584†	3138.1	2425.94	ug/L	22.077	2425.94	ug/L	22.077	0.91%
QC value within limits for Sb 217.584 Recovery = 97.04%								
Se 196.026†	901.4	2423.93	ug/L	4.261	2423.93	ug/L	4.261	0.18%
QC value within limits for Se 196.026 Recovery = 96.96%								
Si 251.611†	26403.9	2444.96	ug/L	8.707	2444.96	ug/L	8.707	0.36%
QC value within limits for Si 251.611 Recovery = 97.80%								
Sn 189.927†	5183.1	2432.56	ug/L	18.897	2432.56	ug/L	18.897	0.78%
QC value within limits for Sn 189.927 Recovery = 97.30%								
Sr 407.771†	400368.1	501.499	ug/L	1.0763	501.499	ug/L	1.0763	0.21%
QC value within limits for Sr 407.771 Recovery = 100.30%								
Ti 334.940†	7487.9	492.771	ug/L	0.9115	492.771	ug/L	0.9115	0.18%
QC value within limits for Ti 334.940 Recovery = 98.55%								
Tl 190.801†	1984.2	2433.10	ug/L	15.999	2433.10	ug/L	15.999	0.66%
QC value within limits for Tl 190.801 Recovery = 97.32%								
V 292.395†	22153.1	493.605	ug/L	1.1082	493.605	ug/L	1.1082	0.22%
QC value within limits for V 292.395 Recovery = 98.72%								
Zn 206.200†	4654.9	488.089	ug/L	4.3104	488.089	ug/L	4.3104	0.88%
QC value within limits for Zn 206.200 Recovery = 97.62%								

All analyte(s) passed QC.

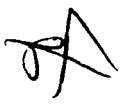
Sequence No.: 50
Sample ID: 0B09014-CCB
Analyst:
Initial Sample Wt:

Autosampler Location: 1
Date Collected: 2/9/2010 1:56:47 PM
Data Type: Original
Initial Sample Vol:

Dilution: Sample Prep Vol:

Replicate Data: 0B09014-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	187342.8	187342.8	100.679	%			13:57:53
1	Al 396.153†	182.7	4.5	-11.6346	ug/L	-11.6346	ug/L	13:57:53
1	Ba 455.398†	-24.0	22.9	-0.212921	ug/L	-0.212921	ug/L	13:57:53
1	Ca 315.887†	116.0	-1.4	-0.0165849	mg/L	-0.0165849	mg/L	13:58:13
1	Fe 238.204†	38.2	3.9	1.57699	ug/L	1.57699	ug/L	13:58:13
1	K 766.490	67.6	16.9	-0.0193639	mg/L	-0.0193639	mg/L	13:57:53
1	Li 670.784†	-50.3	12.1	-2.90050	ug/L	-2.90050	ug/L	13:57:53
1	Mg 279.071†	15.1	-2.5	-0.0211872	mg/L	-0.0211872	mg/L	13:58:13
1	Na 589.592†	632.3	-36.6	-0.0086437	mg/L	-0.0086437	mg/L	13:57:53
1	Sr 407.771†	154.1	-0.8	-0.852705	ug/L	-0.852705	ug/L	13:57:53
1	Ti 334.940†	-28.9	5.8	2.35862	ug/L	2.35862	ug/L	13:58:13
1	Y 360.076	235128.7	235128.7	100.005	%			13:58:44
1	Ag 328.068†	101.6	10.5	0.426011	ug/L	0.426011	ug/L	13:58:44
1	As 188.979†	-24.5	0.9	-7.42975	ug/L	-7.42975	ug/L	13:59:04
1	B 249.677†	569.6	-97.5	-11.5059	ug/L	-11.5059	ug/L	13:59:04
1	Be 234.861†	-747.9	33.5	-0.0086270	ug/L	-0.0086270	ug/L	13:59:04
1	Cd 214.437†	396.5	-15.2	-2.11776	ug/L	-2.11776	ug/L	13:59:04
1	Ce 413.764†	772.4	-41.4	-1.12124	ug/L	-1.12124	ug/L	13:58:44
1	Co 228.616†	-76.3	6.3	-0.805035	ug/L	-0.805035	ug/L	13:59:04
1	Cr 205.557†	-28.1	0.7	-1.17974	ug/L	-1.17974	ug/L	13:59:04
1	Cu 327.397†	-2.2	-6.2	-0.290004	ug/L	-0.290004	ug/L	13:58:44
1	Mn 257.610†	186.9	-19.5	-1.59457	ug/L	-1.59457	ug/L	13:59:04
1	Mo 202.031†	91.5	1.5	1.26314	ug/L	1.26314	ug/L	13:59:04
1	Ni 231.604†	338.1	-15.6	-2.55517	ug/L	-2.55517	ug/L	13:59:04
1	Pb 220.353†	33.9	0.7	-1.44991	ug/L	-1.44991	ug/L	13:59:04
1	Sb 217.584†	-42.9	4.5	4.26344	ug/L	4.26344	ug/L	13:59:04
1	Se 196.026†	-30.1	5.3	18.1620	ug/L	18.1620	ug/L	13:59:04
1	Si 251.611†	69.7	-67.5	-12.5585	ug/L	-12.5585	ug/L	13:59:04
1	Sn 189.927†	4.6	-2.1	-1.20904	ug/L	-1.20904	ug/L	13:59:04
1	Tl 190.801†	-40.2	-1.5	1.17985	ug/L	1.17985	ug/L	13:59:04
1	V 292.395†	-1290.1	25.2	1.38031	ug/L	1.38031	ug/L	13:58:44
1	Zn 206.200†	-58.4	8.4	-1.40817	ug/L	-1.40817	ug/L	13:59:04
2	Sc 357.234	186462.0	186462.0	100.205	%			13:58:18
2	Al 396.153†	164.4	-12.8	-17.1107	ug/L	-17.1107	ug/L	13:58:18
2	Ba 455.398†	-62.8	-16.0	-0.342668	ug/L	-0.342668	ug/L	13:58:18
2	Ca 315.887†	117.3	0.5	-0.0153318	mg/L	-0.0153318	mg/L	13:58:38
2	Fe 238.204†	35.3	1.2	0.443888	ug/L	0.443888	ug/L	13:58:38
2	K 766.490	43.8	-7.0	-0.0514429	mg/L	-0.0514429	mg/L	13:58:18
2	Li 670.784†	-16.1	46.0	-1.92809	ug/L	-1.92809	ug/L	13:58:18
2	Mg 279.071†	12.2	-5.4	-0.0272720	mg/L	-0.0272720	mg/L	13:58:38
2	Na 589.592†	611.3	-54.6	-0.0113419	mg/L	-0.0113419	mg/L	13:58:18
2	Sr 407.771†	180.5	26.3	-0.818734	ug/L	-0.818734	ug/L	13:58:18
2	Ti 334.940†	-34.5	-0.0	1.97945	ug/L	1.97945	ug/L	13:58:38
2	Y 360.076	235358.0	235358.0	100.103	%			13:59:09
2	Ag 328.068†	126.8	35.6	0.830026	ug/L	0.830026	ug/L	13:59:09
2	As 188.979†	-19.7	5.7	0.393636	ug/L	0.393636	ug/L	13:59:29
2	B 249.677†	566.3	-101.3	-11.7110	ug/L	-11.7110	ug/L	13:59:29
2	Be 234.861†	-748.1	34.1	-0.0052488	ug/L	-0.0052488	ug/L	13:59:29
2	Cd 214.437†	407.5	-4.6	-1.70372	ug/L	-1.70372	ug/L	13:59:29
2	Ce 413.764†	813.9	-0.7	-0.0191192	ug/L	-0.0191192	ug/L	13:59:09
2	Co 228.616†	-84.0	-1.3	-1.98538	ug/L	-1.98538	ug/L	13:59:29
2	Cr 205.557†	-36.1	-7.2	-1.87710	ug/L	-1.87710	ug/L	13:59:29
2	Cu 327.397†	-8.6	-12.5	-0.483336	ug/L	-0.483336	ug/L	13:59:09
2	Mn 257.610†	195.5	-11.1	-1.53736	ug/L	-1.53736	ug/L	13:59:29
2	Mo 202.031†	89.5	-0.6	0.989865	ug/L	0.989865	ug/L	13:59:29
2	Ni 231.604†	323.9	-30.1	-3.76079	ug/L	-3.76079	ug/L	13:59:29
2	Pb 220.353†	29.7	-3.6	-4.11290	ug/L	-4.11290	ug/L	13:59:29
2	Sb 217.584†	-48.6	-1.2	-0.138506	ug/L	-0.138506	ug/L	13:59:29
2	Se 196.026†	-32.0	3.4	13.2544	ug/L	13.2544	ug/L	13:59:29
2	Si 251.611†	69.8	-67.5	-12.5452	ug/L	-12.5452	ug/L	13:59:29
2	Sn 189.927†	6.9	0.2	-0.112212	ug/L	-0.112212	ug/L	13:59:29
2	Tl 190.801†	-45.2	-6.5	-4.90190	ug/L	-4.90190	ug/L	13:59:29
2	V 292.395†	-1234.5	82.0	2.62992	ug/L	2.62992	ug/L	13:59:09
2	Zn 206.200†	-64.5	2.4	-2.04612	ug/L	-2.04612	ug/L	13:59:29



Mean Data: 0B09014-CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	186902.4	100.442	%	0.3347				0.33%
Y 360.076	235243.4	100.054	%	0.0690				0.07%
Ag 328.068†	23.1	0.628018	ug/L	0.2856820	0.628018	ug/L	0.2856820	45.49%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-4.1	-14.3727	ug/L	3.87222	-14.3727	ug/L	3.87222	26.94%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	3.3	-3.51806	ug/L	5.531967	-3.51806	ug/L	5.531967	157.25%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-99.4	-11.6085	ug/L	0.14503	-11.6085	ug/L	0.14503	1.25%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	3.5	-0.277794	ug/L	0.0917453	-0.277794	ug/L	0.0917453	33.03%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	33.8	-0.0069379	ug/L	0.00238875	-0.0069379	ug/L	0.00238875	34.43%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	-0.5	-0.0159584	mg/L	0.00088604	-0.0159584	mg/L	0.00088604	5.55%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	-9.9	-1.91074	ug/L	0.292770	-1.91074	ug/L	0.292770	15.32%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	-21.1	-0.570180	ug/L	0.7793170	-0.570180	ug/L	0.7793170	136.68%
Co 228.616†	2.5	-1.39521	ug/L	0.834628	-1.39521	ug/L	0.834628	59.82%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	-3.2	-1.52842	ug/L	0.493108	-1.52842	ug/L	0.493108	32.26%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	-9.3	-0.386670	ug/L	0.1367060	-0.386670	ug/L	0.1367060	35.35%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	2.5	1.01044	ug/L	0.801221	1.01044	ug/L	0.801221	79.29%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	4.9	-0.0354034	mg/L	0.02268332	-0.0354034	mg/L	0.02268332	64.07%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	29.0	-2.41429	ug/L	0.687602	-2.41429	ug/L	0.687602	28.48%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	-3.9	-0.0242296	mg/L	0.00430260	-0.0242296	mg/L	0.00430260	17.76%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	-15.3	-1.56597	ug/L	0.040449	-1.56597	ug/L	0.040449	2.58%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	0.4	1.12650	ug/L	0.193238	1.12650	ug/L	0.193238	17.15%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-45.6	-0.0099928	mg/L	0.00190793	-0.0099928	mg/L	0.00190793	19.09%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-22.9	-3.15798	ug/L	0.852503	-3.15798	ug/L	0.852503	27.00%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-1.4	-2.78140	ug/L	1.883019	-2.78140	ug/L	1.883019	67.70%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	1.7	2.06247	ug/L	3.112643	2.06247	ug/L	3.112643	150.92%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	4.3	15.7082	ug/L	3.47021	15.7082	ug/L	3.47021	22.09%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	-67.5	-12.5519	ug/L	0.00939	-12.5519	ug/L	0.00939	0.07%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-0.9	-0.660626	ug/L	0.7755752	-0.660626	ug/L	0.7755752	117.40%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	12.7	-0.835719	ug/L	0.0240212	-0.835719	ug/L	0.0240212	2.87%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	2.9	2.16904	ug/L	0.268108	2.16904	ug/L	0.268108	12.36%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-4.0	-1.86102	ug/L	4.300450	-1.86102	ug/L	4.300450	231.08%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	53.6	2.00512	ug/L	0.883611	2.00512	ug/L	0.883611	44.07%
QC value within limits for V 292.395 Recovery = Not calculated								
Zn 206.200†	5.4	-1.72715	ug/L	0.451098	-1.72715	ug/L	0.451098	26.12%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 51
Sample ID: 1002038-19
Analyst:

Autosampler Location: 47
Date Collected: 2/9/2010 2:00:41 PM
Data Type: Original

Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Replicate Data: 1002038-19

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	188068.1	188068.1	101.069	%			14:01:48
1	Al 396.153†	3988.3	3769.3	1178.66	ug/L	1178.66	ug/L	14:02:08
1	Ba 455.398†	10450.1	10386.3	34.3300	ug/L	34.3300	ug/L	14:01:48
1	Ca 315.887†	7334.7	7140.5	4.71951	mg/L	4.71951	mg/L	14:02:08
1	Fe 238.204†	4822.3	4737.2	2007.59	ug/L	2007.59	ug/L	14:02:08
1	K 766.490	223.2	172.4	0.189659	mg/L	0.189659	mg/L	14:02:08
1	Li 670.784†	80.7	141.9	0.824548	ug/L	0.824548	ug/L	14:02:08
1	Mg 279.071†	294.0	273.4	0.567266	mg/L	0.567266	mg/L	14:02:08
1	Na 589.592†	42758.8	41642.1	6.23822	mg/L	6.23822	mg/L	14:01:48
1	Sr 407.771†	8226.0	7985.1	9.16741	ug/L	9.16741	ug/L	14:01:48
1	Ti 334.940†	386.3	416.7	29.2932	ug/L	29.2932	ug/L	14:02:08
1	Y 360.076	233785.3	233785.3	99.4339	%			14:02:39
1	Ag 328.068†	-16.6	-107.7	-1.13488	ug/L	-1.13488	ug/L	14:02:39
1	As 188.979†	-28.4	-3.2	-14.2290	ug/L	-14.2290	ug/L	14:02:59
1	B 249.677†	1178.6	518.3	22.3600	ug/L	22.3600	ug/L	14:02:59
1	Be 234.861†	-616.6	161.3	-0.0538572	ug/L	-0.0538572	ug/L	14:02:39
1	Cd 214.437†	419.4	10.1	-1.58159	ug/L	-1.58159	ug/L	14:02:59
1	Ce 413.764†	824.2	15.1	0.398092	ug/L	0.398092	ug/L	14:02:39
1	Co 228.616†	-77.5	4.6	-1.18948	ug/L	-1.18948	ug/L	14:02:59
1	Cr 205.557†	-11.5	17.3	0.389514	ug/L	0.389514	ug/L	14:02:59
1	Cu 327.397†	34.0	30.2	0.835146	ug/L	0.835146	ug/L	14:02:39
1	Mn 257.610†	5819.4	5646.2	37.1761	ug/L	37.1761	ug/L	14:02:59
1	Mo 202.031†	91.1	1.6	1.26929	ug/L	1.26929	ug/L	14:02:59
1	Ni 231.604†	370.9	19.3	0.360057	ug/L	0.360057	ug/L	14:02:59
1	Pb 220.353†	35.9	2.9	-0.0984354	ug/L	-0.0984354	ug/L	14:02:59
1	Sb 217.584†	-58.9	-11.8	-2.33455	ug/L	-2.33455	ug/L	14:02:59
1	Se 196.026†	-42.6	-7.5	-13.6514	ug/L	-13.6514	ug/L	14:02:59
1	Si 251.611†	26794.5	26809.8	2495.36	ug/L	2495.36	ug/L	14:02:39
1	Sn 189.927†	-11.6	-18.3	-7.78263	ug/L	-7.78263	ug/L	14:02:59
1	Tl 190.801†	-39.4	-0.9	2.12131	ug/L	2.12131	ug/L	14:02:59
1	V 292.395†	-1169.2	139.4	3.51268	ug/L	3.51268	ug/L	14:02:59
1	Zn 206.200†	7.3	74.2	5.35665	ug/L	5.35665	ug/L	14:02:59
2	Sc 357.234	189473.8	189473.8	101.824	%			14:02:13
2	Al 396.153†	3964.1	3716.2	1161.86	ug/L	1161.86	ug/L	14:02:33
2	Ba 455.398†	10558.1	10415.7	34.4280	ug/L	34.4280	ug/L	14:02:13
2	Ca 315.887†	7275.6	7028.6	4.64534	mg/L	4.64534	mg/L	14:02:33
2	Fe 238.204†	4773.5	4653.9	1972.29	ug/L	1972.29	ug/L	14:02:33
2	K 766.490	220.5	169.7	0.186002	mg/L	0.186002	mg/L	14:02:33
2	Li 670.784†	72.9	133.6	0.587595	ug/L	0.587595	ug/L	14:02:33
2	Mg 279.071†	298.3	275.5	0.571703	mg/L	0.571703	mg/L	14:02:33
2	Na 589.592†	43275.0	41835.1	6.26716	mg/L	6.26716	mg/L	14:02:13
2	Sr 407.771†	8386.1	8081.9	9.28890	ug/L	9.28890	ug/L	14:02:13
2	Ti 334.940†	389.2	416.7	29.2938	ug/L	29.2938	ug/L	14:02:33
2	Y 360.076	233272.9	233272.9	99.2160	%			14:03:04
2	Ag 328.068†	53.1	-37.6	-0.0148546	ug/L	-0.0148546	ug/L	14:03:04
2	As 188.979†	-30.6	-5.4	-17.8918	ug/L	-17.8918	ug/L	14:03:24
2	B 249.677†	1151.8	493.9	21.0240	ug/L	21.0240	ug/L	14:03:24
2	Be 234.861†	-620.6	155.9	-0.0687772	ug/L	-0.0687772	ug/L	14:03:04
2	Cd 214.437†	431.0	22.7	-1.08182	ug/L	-1.08182	ug/L	14:03:24
2	Ce 413.764†	879.0	72.2	1.94427	ug/L	1.94427	ug/L	14:03:04
2	Co 228.616†	-81.3	0.6	-1.81400	ug/L	-1.81400	ug/L	14:03:24
2	Cr 205.557†	-15.8	12.8	-0.0000094	ug/L	-0.0000094	ug/L	14:03:24
2	Cu 327.397†	19.7	15.9	0.400056	ug/L	0.400056	ug/L	14:03:04
2	Mn 257.610†	5830.0	5669.7	37.3357	ug/L	37.3357	ug/L	14:03:24
2	Mo 202.031†	103.7	14.5	2.91819	ug/L	2.91819	ug/L	14:03:24
2	Ni 231.604†	357.8	6.9	-0.675307	ug/L	-0.675307	ug/L	14:03:24
2	Pb 220.353†	27.5	-5.5	-5.29489	ug/L	-5.29489	ug/L	14:03:24
2	Sb 217.584†	-60.7	-13.8	-3.97297	ug/L	-3.97297	ug/L	14:03:24
2	Se 196.026†	-36.9	-1.8	1.45866	ug/L	1.45866	ug/L	14:03:24
2	Si 251.611†	26548.5	26621.0	2477.73	ug/L	2477.73	ug/L	14:03:04
2	Sn 189.927†	-4.1	-10.8	-4.29254	ug/L	-4.29254	ug/L	14:03:24
2	Tl 190.801†	-41.4	-3.0	-0.429778	ug/L	-0.429778	ug/L	14:03:24
2	V 292.395†	-1157.0	149.2	3.75129	ug/L	3.75129	ug/L	14:03:24
2	Zn 206.200†	11.8	78.7	5.84123	ug/L	5.84123	ug/L	14:03:24

Mean Data: 1002038-19

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	188771.0	101.446	%	0.5342				0.53%
Y 360.076	233529.1	99.3249	%	0.15409				0.16%
Ag 328.068†	-72.7	-0.574867	ug/L	0.7919778	-0.574867	ug/L	0.7919778	137.77%
Al 396.153†	3742.7	1170.26	ug/L	11.883	1170.26	ug/L	11.883	1.02%
As 188.979†	-4.3	-16.0604	ug/L	2.58994	-16.0604	ug/L	2.58994	16.13%
B 249.677†	506.1	21.6920	ug/L	0.94468	21.6920	ug/L	0.94468	4.35%
Ba 455.398†	10401.0	34.3790	ug/L	0.06927	34.3790	ug/L	0.06927	0.20%
Be 234.861†	158.6	-0.0613172	ug/L	0.01055002	-0.0613172	ug/L	0.01055002	17.21%
Ca 315.887†	7084.6	4.68243	mg/L	0.052445	4.68243	mg/L	0.052445	1.12%
Cd 214.437†	16.4	-1.33171	ug/L	0.353385	-1.33171	ug/L	0.353385	26.54%
Ce 413.764†	43.7	1.17118	ug/L	1.093317	1.17118	ug/L	1.093317	93.35%
Co 228.616†	2.6	-1.50174	ug/L	0.441601	-1.50174	ug/L	0.441601	29.41%
Cr 205.557†	15.0	0.194752	ug/L	0.2754343	0.194752	ug/L	0.2754343	141.43%
Cu 327.397†	23.1	0.617601	ug/L	0.3076552	0.617601	ug/L	0.3076552	49.81%
Fe 238.204†	4695.6	1989.94	ug/L	24.960	1989.94	ug/L	24.960	1.25%
K 766.490	171.0	0.187830	mg/L	0.0025860	0.187830	mg/L	0.0025860	1.38%
Li 670.784†	137.8	0.706071	ug/L	0.1675514	0.706071	ug/L	0.1675514	23.73%
Mg 279.071†	274.5	0.569484	mg/L	0.0031375	0.569484	mg/L	0.0031375	0.55%
Mn 257.610†	5657.9	37.2559	ug/L	0.11280	37.2559	ug/L	0.11280	0.30%
Mo 202.031†	8.0	2.09374	ug/L	1.165953	2.09374	ug/L	1.165953	55.69%
Na 589.592†	41738.6	6.25269	mg/L	0.020459	6.25269	mg/L	0.020459	0.33%
Ni 231.604†	13.1	-0.157625	ug/L	0.7321129	-0.157625	ug/L	0.7321129	464.46%
Pb 220.353†	-1.3	-2.69666	ug/L	3.674451	-2.69666	ug/L	3.674451	136.26%
Sb 217.584†	-12.8	-3.15376	ug/L	1.158538	-3.15376	ug/L	1.158538	36.74%
Se 196.026†	-4.7	-6.09635	ug/L	10.684409	-6.09635	ug/L	10.684409	175.26%
Si 251.611†	26715.4	2486.54	ug/L	12.464	2486.54	ug/L	12.464	0.50%
Sn 189.927†	-14.6	-6.03758	ug/L	2.467870	-6.03758	ug/L	2.467870	40.88%
Sr 407.771†	8033.5	9.22816	ug/L	0.085906	9.22816	ug/L	0.085906	0.93%
Ti 334.940†	416.7	29.2935	ug/L	0.00040	29.2935	ug/L	0.00040	0.00%
Tl 190.801†	-2.0	0.845764	ug/L	1.8038880	0.845764	ug/L	1.8038880	213.29%
V 292.395†	144.3	3.63198	ug/L	0.168723	3.63198	ug/L	0.168723	4.65%
Zn 206.200†	76.4	5.59894	ug/L	0.342650	5.59894	ug/L	0.342650	6.12%

Sequence No.: 52
Sample ID: 1002038-20
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 48
Date Collected: 2/9/2010 2:04:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002038-20

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	190067.8	190067.8	102.143	%			14:05:44
1	Al 396.153†	1056.1	857.1	259.724	ug/L	259.724	ug/L	14:06:04
1	Ba 455.398†	4751.4	4698.4	15.3713	ug/L	15.3713	ug/L	14:05:44
1	Ca 315.887†	14264.9	13849.0	9.16817	mg/L	9.16817	mg/L	14:06:04
1	Fe 238.204†	758.4	708.4	300.101	ug/L	300.101	ug/L	14:06:04
1	K 766.490	145.5	94.7	0.0852587	mg/L	0.0852587	mg/L	14:06:04
1	Li 670.784†	33.4	94.7	-0.528937	ug/L	-0.528937	ug/L	14:06:04
1	Mg 279.071†	629.1	598.4	1.26045	mg/L	1.26045	mg/L	14:06:04
1	Na 589.592†	45369.7	43753.1	6.55462	mg/L	6.55462	mg/L	14:05:44
1	Sr 407.771†	10123.5	9757.1	11.3908	ug/L	11.3908	ug/L	14:05:44
1	Ti 334.940†	73.2	106.1	8.93681	ug/L	8.93681	ug/L	14:06:04
1	Y 360.076	235385.7	235385.7	100.115	%			14:06:35
1	Ag 328.068†	29.4	-61.7	-0.582422	ug/L	-0.582422	ug/L	14:06:35
1	As 188.979†	-16.8	8.6	5.14254	ug/L	5.14254	ug/L	14:06:55
1	B 249.677†	914.3	246.2	7.31222	ug/L	7.31222	ug/L	14:06:35
1	Be 234.861†	-732.3	49.9	-0.0289925	ug/L	-0.0289925	ug/L	14:06:55
1	Cd 214.437†	413.1	0.9	-1.56239	ug/L	-1.56239	ug/L	14:06:55
1	Ce 413.764†	759.5	-55.1	-1.49281	ug/L	-1.49281	ug/L	14:06:35
1	Co 228.616†	-82.5	0.2	-1.77639	ug/L	-1.77639	ug/L	14:06:55
1	Cr 205.557†	-18.6	10.2	-0.330743	ug/L	-0.330743	ug/L	14:06:55
1	Cu 327.397†	14.5	10.5	0.223383	ug/L	0.223383	ug/L	14:06:35
1	Mn 257.610†	2021.8	1813.1	10.9328	ug/L	10.9328	ug/L	14:06:55

1	Mo 202.031†	103.0	12.8	2.70417 ug/L	2.70417 ug/L	14:06:55
1	Ni 231.604†	337.7	-16.4	-2.61214 ug/L	-2.61214 ug/L	14:06:55
1	Pb 220.353†	33.6	0.3	-1.69136 ug/L	-1.69136 ug/L	14:06:55
1	Sb 217.584†	-49.4	-2.0	0.140640 ug/L	0.140640 ug/L	14:06:55
1	Se 196.026†	-40.7	-5.3	-9.80749 ug/L	-9.80749 ug/L	14:06:55
1	Si 251.611†	15655.6	15500.4	1440.09 ug/L	1440.09 ug/L	14:06:35
1	Sn 189.927†	-11.4	-18.0	-6.68104 ug/L	-6.68104 ug/L	14:06:55
1	Tl 190.801†	-50.6	-11.9	-11.4735 ug/L	-11.4735 ug/L	14:06:55
1	V 292.395†	-1202.5	114.1	3.29695 ug/L	3.29695 ug/L	14:06:35
1	Zn 206.200†	-30.0	36.8	1.52201 ug/L	1.52201 ug/L	14:06:55
2	Sc 357.234	190293.7	190293.7	102.265 %		14:06:09
2	Al 396.153†	1046.2	846.1	256.270 ug/L	256.270 ug/L	14:06:29
2	Ba 455.398†	4739.5	4681.3	15.3143 ug/L	15.3143 ug/L	14:06:09
2	Ca 315.887†	14324.0	13890.2	9.19553 mg/L	9.19553 mg/L	14:06:29
2	Fe 238.204†	758.7	707.9	299.877 ug/L	299.877 ug/L	14:06:29
2	K 766.490	132.5	81.7	0.0678382 mg/L	0.0678382 mg/L	14:06:29
2	Li 670.784†	78.9	139.3	0.749340 ug/L	0.749340 ug/L	14:06:29
2	Mg 279.071†	619.4	588.2	1.23859 mg/L	1.23859 mg/L	14:06:29
2	Na 589.592†	45531.2	43858.3	6.57039 mg/L	6.57039 mg/L	14:06:09
2	Sr 407.771†	10067.8	9690.9	11.3077 ug/L	11.3077 ug/L	14:06:09
2	Ti 334.940†	74.8	107.6	9.03147 ug/L	9.03147 ug/L	14:06:29
2	Y 360.076	235424.3	235424.3	100.131 %		14:07:00
2	Ag 328.068†	26.0	-65.1	-0.631241 ug/L	-0.631241 ug/L	14:07:00
2	As 188.979†	-20.3	5.1	-0.571065 ug/L	-0.571065 ug/L	14:07:20
2	B 249.677†	905.4	237.2	6.81590 ug/L	6.81590 ug/L	14:07:00
2	Be 234.861†	-717.9	64.4	0.0434465 ug/L	0.0434465 ug/L	14:07:20
2	Cd 214.437†	409.6	-2.7	-1.70113 ug/L	-1.70113 ug/L	14:07:20
2	Ce 413.764†	804.1	-10.7	-0.291781 ug/L	-0.291781 ug/L	14:07:00
2	Co 228.616†	-73.7	9.0	-0.408744 ug/L	-0.408744 ug/L	14:07:20
2	Cr 205.557†	-13.1	15.7	0.149856 ug/L	0.149856 ug/L	14:07:20
2	Cu 327.397†	20.0	16.0	0.390483 ug/L	0.390483 ug/L	14:07:00
2	Mn 257.610†	2016.9	1808.0	10.8976 ug/L	10.8976 ug/L	14:07:20
2	Mo 202.031†	105.7	15.5	3.04875 ug/L	3.04875 ug/L	14:07:20
2	Ni 231.604†	340.6	-13.5	-2.37922 ug/L	-2.37922 ug/L	14:07:20
2	Pb 220.353†	34.1	0.9	-1.34463 ug/L	-1.34463 ug/L	14:07:20
2	Sb 217.584†	-52.9	-5.5	-2.56426 ug/L	-2.56426 ug/L	14:07:20
2	Se 196.026†	-32.8	2.6	11.2686 ug/L	11.2686 ug/L	14:07:20
2	Si 251.611†	15676.6	15518.8	1441.81 ug/L	1441.81 ug/L	14:07:00
2	Sn 189.927†	-16.4	-23.1	-9.02780 ug/L	-9.02780 ug/L	14:07:20
2	Tl 190.801†	-51.7	-13.0	-12.8161 ug/L	-12.8161 ug/L	14:07:20
2	V 292.395†	-1209.3	107.5	3.15385 ug/L	3.15385 ug/L	14:07:00
2	Zn 206.200†	-31.3	35.6	1.39185 ug/L	1.39185 ug/L	14:07:20

Mean Data: 1002038-20

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	190180.8	102.204	%	0.0858				0.08%
Y 360.076	235405.0	100.123	%	0.0116				0.01%
Ag 328.068†	-63.4	-0.606831	ug/L	0.0345200	-0.606831	ug/L	0.0345200	5.69%
Al 396.153†	851.6	257.997	ug/L	2.4424	257.997	ug/L	2.4424	0.95%
As 188.979†	6.9	2.28574	ug/L	4.040129	2.28574	ug/L	4.040129	176.75%
B 249.677†	241.7	7.06406	ug/L	0.350946	7.06406	ug/L	0.350946	4.97%
Ba 455.398†	4689.9	15.3428	ug/L	0.04034	15.3428	ug/L	0.04034	0.26%
Be 234.861†	57.1	0.0072270	ug/L	0.05122208	0.0072270	ug/L	0.05122208	708.76%
Ca 315.887†	13869.6	9.18185	mg/L	0.019343	9.18185	mg/L	0.019343	0.21%
Cd 214.437†	-0.9	-1.63176	ug/L	0.098103	-1.63176	ug/L	0.098103	6.01%
Ce 413.764†	-32.9	-0.892295	ug/L	0.8492552	-0.892295	ug/L	0.8492552	95.18%
Co 228.616†	4.6	-1.09257	ug/L	0.967075	-1.09257	ug/L	0.967075	88.51%
Cr 205.557†	13.0	-0.0904435	ug/L	0.33983528	-0.0904435	ug/L	0.33983528	375.74%
Cu 327.397†	13.3	0.306933	ug/L	0.1181574	0.306933	ug/L	0.1181574	38.50%
Fe 238.204†	708.2	299.989	ug/L	0.1579	299.989	ug/L	0.1579	0.05%
K 766.490	88.2	0.0765485	mg/L	0.01231820	0.0765485	mg/L	0.01231820	16.09%
Li 670.784†	117.0	0.110201	ug/L	0.9038781	0.110201	ug/L	0.9038781	820.21%
Mg 279.071†	593.3	1.24952	mg/L	0.015455	1.24952	mg/L	0.015455	1.24%
Mn 257.610†	1810.5	10.9152	ug/L	0.02495	10.9152	ug/L	0.02495	0.23%
Mo 202.031†	14.2	2.87646	ug/L	0.243651	2.87646	ug/L	0.243651	8.47%
Na 589.592†	43805.7	6.56250	mg/L	0.011148	6.56250	mg/L	0.011148	0.17%
Ni 231.604†	-14.9	-2.49568	ug/L	0.164695	-2.49568	ug/L	0.164695	6.60%
Pb 220.353†	0.6	-1.51800	ug/L	0.245181	-1.51800	ug/L	0.245181	16.15%
Sb 217.584†	-3.7	-1.21181	ug/L	1.912651	-1.21181	ug/L	1.912651	157.83%

Se 196.026†	-1.4	0.730568 ug/L	14.9030584	0.730568 ug/L	14.9030584	>999.9%
Si 251.611†	15509.6	1440.95 ug/L	1.217	1440.95 ug/L	1.217	0.08%
Sn 189.927†	-20.6	-7.85442 ug/L	1.659405	-7.85442 ug/L	1.659405	21.13%
Sr 407.771†	9724.0	11.3493 ug/L	0.05876	11.3493 ug/L	0.05876	0.52%
Ti 334.940†	106.8	8.98414 ug/L	0.066937	8.98414 ug/L	0.066937	0.75%
Tl 190.801†	-12.4	-12.1448 ug/L	0.94937	-12.1448 ug/L	0.94937	7.82%
V 292.395†	110.8	3.22540 ug/L	0.101193	3.22540 ug/L	0.101193	3.14%
Zn 206.200†	36.2	1.45693 ug/L	0.092038	1.45693 ug/L	0.092038	6.32%

Sequence No.: 53
Sample ID: 1002038-21
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 2/9/2010 2:08:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002038-21

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	184659.5	184659.5	99.2368	%			14:09:43
1	Al 396.153†	4174.7	4029.9	1262.71	ug/L	1262.71	ug/L	14:10:03
1	Ba 455.398†	10232.0	10357.4	34.2337	ug/L	34.2337	ug/L	14:09:43
1	Ca 315.887†	19014.4	19044.1	12.6133	mg/L	12.6133	mg/L	14:09:43
1	Fe 238.204†	2979.1	2968.0	1257.69	ug/L	1257.69	ug/L	14:10:03
1	K 766.490	623.3	572.5	0.727307	mg/L	0.727307	mg/L	14:10:03
1	Li 670.784†	116.1	179.0	1.89058	ug/L	1.89058	ug/L	14:10:03
1	Mg 279.071†	888.1	877.4	1.85546	mg/L	1.85546	mg/L	14:10:03
1	Na 589.592†	52551.8	52291.3	7.83434	mg/L	7.83434	mg/L	14:09:43
1	Sr 407.771†	28319.3	28383.2	34.7613	ug/L	34.7613	ug/L	14:09:43
1	Ti 334.940†	828.2	869.0	58.9374	ug/L	58.9374	ug/L	14:10:03
1	Y 360.076	232518.9	232518.9	98.8953	%			14:10:34
1	Ag 328.068†	14.8	-76.1	-0.630620	ug/L	-0.630620	ug/L	14:10:34
1	As 188.979†	-21.0	4.2	-2.51037	ug/L	-2.51037	ug/L	14:10:54
1	B 249.677†	1608.0	958.9	46.3374	ug/L	46.3374	ug/L	14:10:54
1	Be 234.861†	-663.7	110.3	-0.0567544	ug/L	-0.0567544	ug/L	14:10:54
1	Cd 214.437†	402.5	-4.7	-2.01607	ug/L	-2.01607	ug/L	14:10:54
1	Ce 413.764†	880.6	76.7	2.05462	ug/L	2.05462	ug/L	14:10:34
1	Co 228.616†	-72.4	9.4	-0.490539	ug/L	-0.490539	ug/L	14:10:54
1	Cr 205.557†	32.0	61.2	4.19434	ug/L	4.19434	ug/L	14:10:54
1	Cu 327.397†	116.1	113.4	3.38607	ug/L	3.38607	ug/L	14:10:34
1	Mn 257.610†	6409.5	6274.7	41.4409	ug/L	41.4409	ug/L	14:10:54
1	Mo 202.031†	114.7	25.9	4.36891	ug/L	4.36891	ug/L	14:10:54
1	Ni 231.604†	354.2	4.4	-0.879573	ug/L	-0.879573	ug/L	14:10:54
1	Pb 220.353†	58.2	25.7	14.0428	ug/L	14.0428	ug/L	14:10:54
1	Sb 217.584†	-48.0	-1.1	3.69020	ug/L	3.69020	ug/L	14:10:54
1	Se 196.026†	-33.4	1.5	9.68340	ug/L	9.68340	ug/L	14:10:54
1	Si 251.611†	35899.7	36163.5	3367.24	ug/L	3367.24	ug/L	14:10:34
1	Sn 189.927†	-25.2	-32.1	-12.5316	ug/L	-12.5316	ug/L	14:10:54
1	Tl 190.801†	-46.6	-8.4	-6.73858	ug/L	-6.73858	ug/L	14:10:54
1	V 292.395†	-1110.1	192.7	4.83724	ug/L	4.83724	ug/L	14:10:54
1	Zn 206.200†	122.2	190.4	17.6125	ug/L	17.6125	ug/L	14:10:54
2	Sc 357.234	186901.0	186901.0	100.441	%			14:10:08
2	Al 396.153†	4205.9	4010.6	1256.57	ug/L	1256.57	ug/L	14:10:28
2	Ba 455.398†	10413.8	10414.8	34.4251	ug/L	34.4251	ug/L	14:10:08
2	Ca 315.887†	19318.3	19116.8	12.6615	mg/L	12.6615	mg/L	14:10:08
2	Fe 238.204†	2999.8	2952.5	1251.14	ug/L	1251.14	ug/L	14:10:28
2	K 766.490	629.8	579.0	0.736005	mg/L	0.736005	mg/L	14:10:28
2	Li 670.784†	92.4	154.1	1.17487	ug/L	1.17487	ug/L	14:10:28
2	Mg 279.071†	886.5	865.0	1.82908	mg/L	1.82908	mg/L	14:10:28
2	Na 589.592†	53357.8	52458.7	7.85943	mg/L	7.85943	mg/L	14:10:08
2	Sr 407.771†	28674.3	28394.4	34.7754	ug/L	34.7754	ug/L	14:10:08
2	Ti 334.940†	837.6	868.4	58.9006	ug/L	58.9006	ug/L	14:10:28
2	Y 360.076	231517.5	231517.5	98.4694	%			14:10:59
2	Ag 328.068†	62.7	-27.4	0.141998	ug/L	0.141998	ug/L	14:10:59
2	As 188.979†	-29.2	-4.2	-16.1323	ug/L	-16.1323	ug/L	14:11:19
2	B 249.677†	1604.2	962.1	46.5130	ug/L	46.5130	ug/L	14:11:19
2	Be 234.861†	-665.9	105.2	-0.0800801	ug/L	-0.0800801	ug/L	14:11:19
2	Cd 214.437†	419.4	14.2	-1.28125	ug/L	-1.28125	ug/L	14:11:19
2	Ce 413.764†	845.9	45.3	1.20513	ug/L	1.20513	ug/L	14:10:59
2	Co 228.616†	-78.8	2.5	-1.56133	ug/L	-1.56133	ug/L	14:11:19

2	Cr 205.557†	29.7	58.9	3.99846 ug/L	3.99846 ug/L	14:11:19
2	Cu 327.397†	114.7	112.5	3.35996 ug/L	3.35996 ug/L	14:10:59
2	Mn 257.610†	6436.1	6329.8	41.8168 ug/L	41.8168 ug/L	14:11:19
2	Mo 202.031†	131.5	43.5	6.60198 ug/L	6.60198 ug/L	14:11:19
2	Ni 231.604†	350.9	2.6	-1.02454 ug/L	-1.02454 ug/L	14:11:19
2	Pb 220.353†	59.3	27.0	14.8920 ug/L	14.8920 ug/L	14:11:19
2	Sb 217.584†	-60.3	-13.8	-6.13401 ug/L	-6.13401 ug/L	14:11:19
2	Se 196.026†	-32.3	2.5	12.2648 ug/L	12.2648 ug/L	14:11:19
2	Si 251.611†	35764.5	36183.2	3369.08 ug/L	3369.08 ug/L	14:10:59
2	Sn 189.927†	-22.4	-29.4	-11.2640 ug/L	-11.2640 ug/L	14:11:19
2	Tl 190.801†	-43.9	-5.9	-3.63789 ug/L	-3.63789 ug/L	14:11:19
2	V 292.395†	-1100.5	197.7	4.97158 ug/L	4.97158 ug/L	14:11:19
2	Zn 206.200†	133.1	202.0	18.8348 ug/L	18.8348 ug/L	14:11:19

Mean Data: 1002038-21

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	185780.3	99.8391	%	0.85176				0.85%
Y 360.076	232018.2	98.6823	%	0.30114				0.31%
Ag 328.068†	-51.7	-0.244311	ug/L	0.5463232	-0.244311	ug/L	0.5463232	223.62%
Al 396.153†	4020.2	1259.64	ug/L	4.339	1259.64	ug/L	4.339	0.34%
As 188.979†	-0.0	-9.32134	ug/L	9.632168	-9.32134	ug/L	9.632168	103.33%
B 249.677†	960.5	46.4252	ug/L	0.12418	46.4252	ug/L	0.12418	0.27%
Ba 455.398†	10386.1	34.3294	ug/L	0.13532	34.3294	ug/L	0.13532	0.39%
Be 234.861†	107.7	-0.0684172	ug/L	0.01649376	-0.0684172	ug/L	0.01649376	24.11%
Ca 315.887†	19080.4	12.6374	mg/L	0.03409	12.6374	mg/L	0.03409	0.27%
Cd 214.437†	4.8	-1.64866	ug/L	0.519599	-1.64866	ug/L	0.519599	31.52%
Ce 413.764†	61.0	1.62988	ug/L	0.600677	1.62988	ug/L	0.600677	36.85%
Co 228.616†	5.9	-1.02593	ug/L	0.757164	-1.02593	ug/L	0.757164	73.80%
Cr 205.557†	60.1	4.09640	ug/L	0.138504	4.09640	ug/L	0.138504	3.38%
Cu 327.397†	113.0	3.37302	ug/L	0.018460	3.37302	ug/L	0.018460	0.55%
Fe 238.204†	2960.3	1254.42	ug/L	4.633	1254.42	ug/L	4.633	0.37%
K 766.490	575.8	0.731656	mg/L	0.0061507	0.731656	mg/L	0.0061507	0.84%
Li 670.784†	166.5	1.53272	ug/L	0.506085	1.53272	ug/L	0.506085	33.02%
Mg 279.071†	871.2	1.84227	mg/L	0.018649	1.84227	mg/L	0.018649	1.01%
Mn 257.610†	6302.3	41.6289	ug/L	0.26585	41.6289	ug/L	0.26585	0.64%
Mo 202.031†	34.7	5.48545	ug/L	1.579023	5.48545	ug/L	1.579023	28.79%
Na 589.592†	52375.0	7.84689	mg/L	0.017736	7.84689	mg/L	0.017736	0.23%
Ni 231.604†	3.5	-0.952058	ug/L	0.1025093	-0.952058	ug/L	0.1025093	10.77%
Pb 220.353†	26.3	14.4674	ug/L	0.60047	14.4674	ug/L	0.60047	4.15%
Sb 217.584†	-7.5	-1.22191	ug/L	6.946767	-1.22191	ug/L	6.946767	568.52%
Se 196.026†	2.0	10.9741	ug/L	1.82535	10.9741	ug/L	1.82535	16.63%
Si 251.611†	36173.3	3368.16	ug/L	1.302	3368.16	ug/L	1.302	0.04%
Sn 189.927†	-30.8	-11.8978	ug/L	0.89631	-11.8978	ug/L	0.89631	7.53%
Sr 407.771†	28388.8	34.7684	ug/L	0.00991	34.7684	ug/L	0.00991	0.03%
Ti 334.940†	868.7	58.9190	ug/L	0.02607	58.9190	ug/L	0.02607	0.04%
Tl 190.801†	-7.2	-5.18824	ug/L	2.192518	-5.18824	ug/L	2.192518	42.26%
V 292.395†	195.2	4.90441	ug/L	0.094997	4.90441	ug/L	0.094997	1.94%
Zn 206.200†	196.2	18.2237	ug/L	0.86435	18.2237	ug/L	0.86435	4.74%

==========

Sequence No.: 54
Sample ID: 1002038-22
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 2/9/2010 2:12:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002038-22

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	185036.2	185036.2	99.4392	%			14:13:38
1	Al 396.153†	5786.0	5641.7	1770.04	ug/L	1770.04	ug/L	14:13:58
1	Ba 455.398†	7405.1	7493.6	24.6882	ug/L	24.6882	ug/L	14:13:38
1	Ca 315.887†	7258.4	7182.7	4.74753	mg/L	4.74753	mg/L	14:13:58
1	Fe 238.204†	4528.3	4519.8	1915.43	ug/L	1915.43	ug/L	14:13:58
1	K 766.490	283.9	233.2	0.271290	mg/L	0.271290	mg/L	14:13:58
1	Li 670.784†	101.5	164.1	1.46255	ug/L	1.46255	ug/L	14:13:58
1	Mg 279.071†	352.5	337.0	0.702840	mg/L	0.702840	mg/L	14:13:58
1	Na 589.592†	66402.9	66112.7	9.90592	mg/L	9.90592	mg/L	14:13:38

1	Sr 407.771†	9114.0	9011.5	10.4553 ug/L	10.4553 ug/L	14:13:38
1	Ti 334.940†	580.5	618.2	42.5037 ug/L	42.5037 ug/L	14:13:58
1	Y 360.076	228373.0	228373.0	97.1320 %		14:14:30
1	Ag 328.068†	67.7	-21.4	0.236996 ug/L	0.236996 ug/L	14:14:30
1	As 188.979†	-26.7	-2.0	-12.5021 ug/L	-12.5021 ug/L	14:14:50
1	B 249.677†	1699.7	1082.9	53.1987 ug/L	53.1987 ug/L	14:14:50
1	Be 234.861†	-629.8	133.0	-0.168052 ug/L	-0.168052 ug/L	14:14:30
1	Cd 214.437†	422.0	22.7	-1.11300 ug/L	-1.11300 ug/L	14:14:50
1	Ce 413.764†	857.9	69.4	1.86402 ug/L	1.86402 ug/L	14:14:30
1	Co 228.616†	-77.9	2.4	-1.56758 ug/L	-1.56758 ug/L	14:14:50
1	Cr 205.557†	-0.5	28.3	1.35422 ug/L	1.35422 ug/L	14:14:50
1	Cu 327.397†	59.6	57.4	1.67248 ug/L	1.67248 ug/L	14:14:30
1	Mn 257.610†	1347.4	1180.8	6.67503 ug/L	6.67503 ug/L	14:14:50
1	Mo 202.031†	138.4	52.5	7.75118 ug/L	7.75118 ug/L	14:14:50
1	Ni 231.604†	372.4	29.7	1.23091 ug/L	1.23091 ug/L	14:14:50
1	Pb 220.353†	40.0	7.9	3.04862 ug/L	3.04862 ug/L	14:14:50
1	Sb 217.584†	-63.9	-18.4	-7.69399 ug/L	-7.69399 ug/L	14:14:50
1	Se 196.026†	-35.8	-1.5	2.17214 ug/L	2.17214 ug/L	14:14:50
1	Si 251.611†	36709.0	37655.6	3507.09 ug/L	3507.09 ug/L	14:14:30
1	Sn 189.927†	-12.1	-19.1	-8.16338 ug/L	-8.16338 ug/L	14:14:50
1	Tl 190.801†	-42.5	-5.1	-2.77341 ug/L	-2.77341 ug/L	14:14:50
1	V 292.395†	-1081.3	202.1	4.97009 ug/L	4.97009 ug/L	14:14:50
1	Zn 206.200†	23.0	90.4	7.06235 ug/L	7.06235 ug/L	14:14:50
2	Sc 357.234	184655.7	184655.7	99.2347 %		14:14:03
2	Al 396.153†	5808.4	5676.3	1780.98 ug/L	1780.98 ug/L	14:14:23
2	Ba 455.398†	7428.6	7532.6	24.8181 ug/L	24.8181 ug/L	14:14:03
2	Ca 315.887†	7303.6	7243.3	4.78769 mg/L	4.78769 mg/L	14:14:23
2	Fe 238.204†	4570.5	4571.7	1937.42 ug/L	1937.42 ug/L	14:14:23
2	K 766.490	297.5	246.7	0.289473 mg/L	0.289473 mg/L	14:14:23
2	Li 670.784†	100.4	163.3	1.43811 ug/L	1.43811 ug/L	14:14:23
2	Mg 279.071†	364.5	349.8	0.730172 mg/L	0.730172 mg/L	14:14:23
2	Na 589.592†	66415.6	66263.1	9.92846 mg/L	9.92846 mg/L	14:14:03
2	Sr 407.771†	9116.0	9032.4	10.4815 ug/L	10.4815 ug/L	14:14:03
2	Ti 334.940†	579.1	618.0	42.4889 ug/L	42.4889 ug/L	14:14:23
2	Y 360.076	231713.7	231713.7	98.5528 %		14:14:55
2	Ag 328.068†	47.1	-43.3	-0.103759 ug/L	-0.103759 ug/L	14:14:55
2	As 188.979†	-21.4	3.7	-3.22801 ug/L	-3.22801 ug/L	14:15:15
2	B 249.677†	1696.5	1054.4	51.6444 ug/L	51.6444 ug/L	14:15:15
2	Be 234.861†	-607.0	165.5	-0.0135200 ug/L	-0.0135200 ug/L	14:14:55
2	Cd 214.437†	425.0	19.5	-1.24277 ug/L	-1.24277 ug/L	14:15:15
2	Ce 413.764†	910.4	110.1	2.96289 ug/L	2.96289 ug/L	14:14:55
2	Co 228.616†	-79.8	1.6	-1.69261 ug/L	-1.69261 ug/L	14:15:15
2	Cr 205.557†	2.5	31.3	1.61758 ug/L	1.61758 ug/L	14:15:15
2	Cu 327.397†	70.3	67.3	1.97327 ug/L	1.97327 ug/L	14:14:55
2	Mn 257.610†	1321.2	1134.2	6.35765 ug/L	6.35765 ug/L	14:15:15
2	Mo 202.031†	140.3	52.4	7.73140 ug/L	7.73140 ug/L	14:15:15
2	Ni 231.604†	369.7	21.5	0.547206 ug/L	0.547206 ug/L	14:15:15
2	Pb 220.353†	36.5	3.9	0.513287 ug/L	0.513287 ug/L	14:15:15
2	Sb 217.584†	-63.9	-17.5	-6.91751 ug/L	-6.91751 ug/L	14:15:15
2	Se 196.026†	-42.2	-7.5	-13.7250 ug/L	-13.7250 ug/L	14:15:15
2	Si 251.611†	37082.2	37489.5	3491.59 ug/L	3491.59 ug/L	14:14:55
2	Sn 189.927†	-0.8	-7.4	-2.66391 ug/L	-2.66391 ug/L	14:15:15
2	Tl 190.801†	-40.4	-2.3	0.633865 ug/L	0.633865 ug/L	14:15:15
2	V 292.395†	-1084.9	214.5	5.23894 ug/L	5.23894 ug/L	14:15:15
2	Zn 206.200†	32.9	100.2	8.08916 ug/L	8.08916 ug/L	14:15:15

Mean Data: 1002038-22

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	184846.0	99.3370	%	0.14460				0.15%
Y 360.076	230043.4	97.8424	%	1.00469				1.03%
Ag 328.068†	-32.3	0.0666187	ug/L	0.24095044	0.0666187	ug/L	0.24095044	361.69%
Al 396.153†	5659.0	1775.51	ug/L	7.735	1775.51	ug/L	7.735	0.44%
As 188.979†	0.8	-7.86505	ug/L	6.557765	-7.86505	ug/L	6.557765	83.38%
B 249.677†	1068.6	52.4215	ug/L	1.09902	52.4215	ug/L	1.09902	2.10%
Ba 455.398†	7513.1	24.7532	ug/L	0.09180	24.7532	ug/L	0.09180	0.37%
Be 234.861†	149.3	-0.0907861	ug/L	0.10927080	-0.0907861	ug/L	0.10927080	120.36%
Ca 315.887†	7213.0	4.76761	mg/L	0.028399	4.76761	mg/L	0.028399	0.60%
Cd 214.437†	21.1	-1.17788	ug/L	0.091758	-1.17788	ug/L	0.091758	7.79%
Ce 413.764†	89.8	2.41345	ug/L	0.777020	2.41345	ug/L	0.777020	32.20%

Co 228.616†	2.0	-1.63010 ug/L	0.088404	-1.63010 ug/L	0.088404	5.42%
Cr 205.557†	29.8	1.48590 ug/L	0.186226	1.48590 ug/L	0.186226	12.53%
Cu 327.397†	62.4	1.82287 ug/L	0.212691	1.82287 ug/L	0.212691	11.67%
Fe 238.204†	4545.7	1926.43 ug/L	15.544	1926.43 ug/L	15.544	0.81%
K 766.490	239.9	0.280382 mg/L	0.0128577	0.280382 mg/L	0.0128577	4.59%
Li 670.784†	163.7	1.45033 ug/L	0.017287	1.45033 ug/L	0.017287	1.19%
Mg 279.071†	343.4	0.716506 mg/L	0.0193268	0.716506 mg/L	0.0193268	2.70%
Mn 257.610†	1157.5	6.51634 ug/L	0.224424	6.51634 ug/L	0.224424	3.44%
Mo 202.031†	52.4	7.74129 ug/L	0.013990	7.74129 ug/L	0.013990	0.18%
Na 589.592†	66187.9	9.91719 mg/L	0.015938	9.91719 mg/L	0.015938	0.16%
Ni 231.604†	25.6	0.889056 ug/L	0.4834481	0.889056 ug/L	0.4834481	54.38%
Pb 220.353†	5.9	1.78095 ug/L	1.792752	1.78095 ug/L	1.792752	100.66%
Sb 217.584†	-18.0	-7.30575 ug/L	0.549058	-7.30575 ug/L	0.549058	7.52%
Se 196.026†	-4.5	-5.77641 ug/L	11.240944	-5.77641 ug/L	11.240944	194.60%
Si 251.611†	37572.5	3499.34 ug/L	10.960	3499.34 ug/L	10.960	0.31%
Sn 189.927†	-13.3	-5.41364 ug/L	3.888709	-5.41364 ug/L	3.888709	71.83%
Sr 407.771†	9022.0	10.4684 ug/L	0.01853	10.4684 ug/L	0.01853	0.18%
Ti 334.940†	618.1	42.4963 ug/L	0.01045	42.4963 ug/L	0.01045	0.02%
Tl 190.801†	-3.7	-1.06977 ug/L	2.409305	-1.06977 ug/L	2.409305	225.22%
V 292.395†	208.3	5.10452 ug/L	0.190103	5.10452 ug/L	0.190103	3.72%
Zn 206.200†	95.3	7.57575 ug/L	0.726065	7.57575 ug/L	0.726065	9.58%

Sequence No.: 55 **Autosampler Location: 51**
Sample ID: 1002038-23 **Date Collected: 2/9/2010 2:16:31 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1002038-23

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	185215.4	185215.4	99.5355	%			14:17:37
1	Al 396.153†	996.8	824.6	257.328	ug/L	257.328	ug/L	14:17:57
1	Ba 455.398†	21784.8	21933.2	72.8180	ug/L	72.8180	ug/L	14:17:37
1	Ca 315.887†	67751.4	67950.9	45.0454	mg/L	45.0454	mg/L	14:17:37
1	Fe 238.204†	428.8	396.8	167.899	ug/L	167.899	ug/L	14:17:57
1	K 766.490	489.5	438.7	0.547463	mg/L	0.547463	mg/L	14:17:37
1	Li 670.784†	-31.0	30.9	-2.36055	ug/L	-2.36055	ug/L	14:17:37
1	Mg 279.071†	1528.3	1517.9	3.22153	mg/L	3.22153	mg/L	14:17:57
1	Na 589.592†	42754.9	42289.8	6.33530	mg/L	6.33530	mg/L	14:17:37
1	Sr 407.771†	86069.6	86317.3	107.453	ug/L	107.453	ug/L	14:17:37
1	Ti 334.940†	284.3	320.1	22.9627	ug/L	22.9627	ug/L	14:17:57
1	Y 360.076	228576.4	228576.4	97.2185	%			14:18:28
1	Ag 328.068†	15.9	-74.7	-0.390756	ug/L	-0.390756	ug/L	14:18:28
1	As 188.979†	-23.9	0.9	-7.62629	ug/L	-7.62629	ug/L	14:18:48
1	B 249.677†	1011.4	373.3	14.2439	ug/L	14.2439	ug/L	14:18:48
1	Be 234.861†	-738.9	21.4	-0.126717	ug/L	-0.126717	ug/L	14:18:48
1	Cd 214.437†	411.8	11.8	-1.11125	ug/L	-1.11125	ug/L	14:18:48
1	Ce 413.764†	784.4	-6.9	-0.194672	ug/L	-0.194672	ug/L	14:18:28
1	Co 228.616†	-73.5	6.9	-0.749533	ug/L	-0.749533	ug/L	14:18:48
1	Cr 205.557†	107.0	138.9	10.9384	ug/L	10.9384	ug/L	14:18:48
1	Cu 327.397†	172.0	173.0	5.17712	ug/L	5.17712	ug/L	14:18:28
1	Mn 257.610†	3948.9	3855.5	24.8770	ug/L	24.8770	ug/L	14:18:48
1	Mo 202.031†	217.0	133.2	18.0178	ug/L	18.0178	ug/L	14:18:48
1	Ni 231.604†	353.1	9.5	-0.435069	ug/L	-0.435069	ug/L	14:18:48
1	Pb 220.353†	33.5	1.2	-1.12914	ug/L	-1.12914	ug/L	14:18:48
1	Sb 217.584†	-37.6	8.7	8.02391	ug/L	8.02391	ug/L	14:18:48
1	Se 196.026†	-34.5	-0.1	3.97405	ug/L	3.97405	ug/L	14:18:48
1	Si 251.611†	9993.9	10142.6	939.719	ug/L	939.719	ug/L	14:18:28
1	Sn 189.927†	-64.1	-72.6	-24.4537	ug/L	-24.4537	ug/L	14:18:48
1	Tl 190.801†	-50.3	-13.1	-12.7690	ug/L	-12.7690	ug/L	14:18:48
1	V 292.395†	-1201.9	79.0	2.69716	ug/L	2.69716	ug/L	14:18:48
1	Zn 206.200†	-10.5	56.0	3.51034	ug/L	3.51034	ug/L	14:18:48
2	Sc 357.234	189313.4	189313.4	101.738	%			14:18:02
2	Al 396.153†	989.5	795.7	248.233	ug/L	248.233	ug/L	14:18:22
2	Ba 455.398†	22301.9	21967.7	72.9328	ug/L	72.9328	ug/L	14:18:02
2	Ca 315.887†	69313.3	68012.7	45.0864	mg/L	45.0864	mg/L	14:18:02
2	Fe 238.204†	432.7	391.3	165.573	ug/L	165.573	ug/L	14:18:22
2	K 766.490	537.0	486.3	0.611391	mg/L	0.611391	mg/L	14:18:02

2	Li 670.784†	-1.1	60.9	-1.49865 ug/L	-1.49865 ug/L	14:18:02
2	Mg 279.071†	1543.3	1499.4	3.18198 mg/L	3.18198 mg/L	14:18:22
2	Na 589.592†	43692.7	42281.8	6.33410 mg/L	6.33410 mg/L	14:18:02
2	Sr 407.771†	87927.8	86272.0	107.396 ug/L	107.396 ug/L	14:18:02
2	Ti 334.940†	290.1	319.6	22.9265 ug/L	22.9265 ug/L	14:18:22
2	Y 360.076	230334.8	230334.8	97.9663 %		14:18:53
2	Ag 328.068†	58.7	-31.2	0.297957 ug/L	0.297957 ug/L	14:18:53
2	As 188.979†	-22.8	2.2	-5.47939 ug/L	-5.47939 ug/L	14:19:13
2	B 249.677†	1022.8	377.0	14.4489 ug/L	14.4489 ug/L	14:19:13
2	Be 234.861†	-743.3	22.7	-0.119441 ug/L	-0.119441 ug/L	14:19:13
2	Cd 214.437†	405.5	2.3	-1.48343 ug/L	-1.48343 ug/L	14:19:13
2	Ce 413.764†	756.6	-41.4	-1.12915 ug/L	-1.12915 ug/L	14:18:53
2	Co 228.616†	-80.4	0.5	-1.74943 ug/L	-1.74943 ug/L	14:19:13
2	Cr 205.557†	109.8	140.9	11.1150 ug/L	11.1150 ug/L	14:19:13
2	Cu 327.397†	223.1	223.7	6.72366 ug/L	6.72366 ug/L	14:18:53
2	Mn 257.610†	3949.3	3824.9	24.6679 ug/L	24.6679 ug/L	14:19:13
2	Mo 202.031†	209.0	123.3	16.7518 ug/L	16.7518 ug/L	14:19:13
2	Ni 231.604†	361.3	15.1	0.0308578 ug/L	0.0308578 ug/L	14:19:13
2	Pb 220.353†	41.3	8.9	3.63797 ug/L	3.63797 ug/L	14:19:13
2	Sb 217.584†	-51.2	-4.9	-2.48508 ug/L	-2.48508 ug/L	14:19:13
2	Se 196.026†	-40.9	-6.4	-12.8438 ug/L	-12.8438 ug/L	14:19:13
2	Si 251.611†	10217.2	10292.0	953.664 ug/L	953.664 ug/L	14:18:53
2	Sn 189.927†	-64.5	-72.5	-24.4080 ug/L	-24.4080 ug/L	14:19:13
2	Tl 190.801†	-48.0	-10.3	-9.36794 ug/L	-9.36794 ug/L	14:19:13
2	V 292.395†	-1234.1	55.5	2.16646 ug/L	2.16646 ug/L	14:19:13
2	Zn 206.200†	-22.2	44.2	2.26320 ug/L	2.26320 ug/L	14:19:13

Mean Data: 1002038-23

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	187264.4	100.637	%	1.5572				1.55%
Y 360.076	229455.6	97.5924	%	0.52883				0.54%
Ag 328.068†	-52.9	-0.0463994	ug/L	0.48699363	-0.0463994	ug/L	0.48699363	>999.9%
Al 396.153†	810.1	252.781	ug/L	6.4312	252.781	ug/L	6.4312	2.54%
As 188.979†	1.5	-6.55284	ug/L	1.518086	-6.55284	ug/L	1.518086	23.17%
B 249.677†	375.1	14.3464	ug/L	0.14497	14.3464	ug/L	0.14497	1.01%
Ba 455.398†	21950.4	72.8754	ug/L	0.08117	72.8754	ug/L	0.08117	0.11%
Be 234.861†	22.0	-0.123079	ug/L	0.0051445	-0.123079	ug/L	0.0051445	4.18%
Ca 315.887†	67981.8	45.0659	mg/L	0.02898	45.0659	mg/L	0.02898	0.06%
Cd 214.437†	7.0	-1.29734	ug/L	0.263167	-1.29734	ug/L	0.263167	20.29%
Ce 413.764†	-24.2	-0.661912	ug/L	0.6607770	-0.661912	ug/L	0.6607770	99.83%
Co 228.616†	3.7	-1.24948	ug/L	0.707034	-1.24948	ug/L	0.707034	56.59%
Cr 205.557†	139.9	11.0267	ug/L	0.12485	11.0267	ug/L	0.12485	1.13%
Cu 327.397†	198.3	5.95039	ug/L	1.093572	5.95039	ug/L	1.093572	18.38%
Fe 238.204†	394.0	166.736	ug/L	1.6450	166.736	ug/L	1.6450	0.99%
K 766.490	462.5	0.579427	mg/L	0.0452039	0.579427	mg/L	0.0452039	7.80%
Li 670.784†	45.9	-1.92960	ug/L	0.609451	-1.92960	ug/L	0.609451	31.58%
Mg 279.071†	1508.7	3.20176	mg/L	0.027963	3.20176	mg/L	0.027963	0.87%
Mn 257.610†	3840.2	24.7724	ug/L	0.14789	24.7724	ug/L	0.14789	0.60%
Mo 202.031†	128.3	17.3848	ug/L	0.89523	17.3848	ug/L	0.89523	5.15%
Na 589.592†	42285.8	6.33470	mg/L	0.000848	6.33470	mg/L	0.000848	0.01%
Ni 231.604†	12.3	-0.202106	ug/L	0.3294604	-0.202106	ug/L	0.3294604	163.01%
Pb 220.353†	5.1	1.25442	ug/L	3.370854	1.25442	ug/L	3.370854	268.72%
Sb 217.584†	1.9	2.76942	ug/L	7.430977	2.76942	ug/L	7.430977	268.32%
Se 196.026†	-3.2	-4.43487	ug/L	11.892002	-4.43487	ug/L	11.892002	268.15%
Si 251.611†	10217.3	946.691	ug/L	9.8610	946.691	ug/L	9.8610	1.04%
Sn 189.927†	-72.6	-24.4308	ug/L	0.03230	-24.4308	ug/L	0.03230	0.13%
Sr 407.771†	86294.6	107.424	ug/L	0.0402	107.424	ug/L	0.0402	0.04%
Ti 334.940†	319.8	22.9446	ug/L	0.02557	22.9446	ug/L	0.02557	0.11%
Tl 190.801†	-11.7	-11.0685	ug/L	2.40490	-11.0685	ug/L	2.40490	21.73%
V 292.395†	67.3	2.43181	ug/L	0.375262	2.43181	ug/L	0.375262	15.43%
Zn 206.200†	50.1	2.88677	ug/L	0.881862	2.88677	ug/L	0.881862	30.55%

Sequence No.: 56
Sample ID: 1002038-24
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 52
Date Collected: 2/9/2010 2:20:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002038-24

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	188422.6	188422.6	101.259	%			14:21:32
1	Al 396.153†	2697.6	2487.1	775.447	ug/L	775.447	ug/L	14:21:52
1	Ba 455.398†	17278.7	17110.5	56.7431	ug/L	56.7431	ug/L	14:21:32
1	Ca 315.887†	21224.2	20843.7	13.8067	mg/L	13.8067	mg/L	14:21:32
1	Fe 238.204†	815.5	771.3	326.758	ug/L	326.758	ug/L	14:21:52
1	K 766.490	552.9	502.1	0.632701	mg/L	0.632701	mg/L	14:21:52
1	Li 670.784†	43.0	104.5	-0.247215	ug/L	-0.247215	ug/L	14:21:52
1	Mg 279.071†	651.0	625.4	1.31791	mg/L	1.31791	mg/L	14:21:52
1	Na 589.592†	269090.1	265079.5	39.7274	mg/L	39.7274	mg/L	14:21:32
1	Sr 407.771†	30726.5	30190.5	37.0291	ug/L	37.0291	ug/L	14:21:32
1	Ti 334.940†	457.9	486.6	33.8769	ug/L	33.8769	ug/L	14:21:52
1	Y 360.076	231267.7	231267.7	98.3631	%			14:22:24
1	Ag 328.068†	17.9	-72.8	-0.692320	ug/L	-0.692320	ug/L	14:22:24
1	As 188.979†	-24.6	0.4	-8.52050	ug/L	-8.52050	ug/L	14:22:44
1	B 249.677†	12193.0	11728.8	634.877	ug/L	634.877	ug/L	14:22:24
1	Be 234.861†	-726.3	43.0	-0.0757563	ug/L	-0.0757563	ug/L	14:22:44
1	Cd 214.437†	415.0	10.2	-1.23550	ug/L	-1.23550	ug/L	14:22:44
1	Ce 413.764†	825.9	25.8	0.687512	ug/L	0.687512	ug/L	14:22:24
1	Co 228.616†	-73.2	8.1	-0.602683	ug/L	-0.602683	ug/L	14:22:44
1	Cr 205.557†	109.6	140.2	11.0645	ug/L	11.0645	ug/L	14:22:44
1	Cu 327.397†	153.1	151.7	4.53649	ug/L	4.53649	ug/L	14:22:24
1	Mn 257.610†	925.4	734.5	3.56698	ug/L	3.56698	ug/L	14:22:44
1	Mo 202.031†	203.9	117.3	15.9899	ug/L	15.9899	ug/L	14:22:44
1	Ni 231.604†	333.2	-14.9	-2.47186	ug/L	-2.47186	ug/L	14:22:44
1	Pb 220.353†	74.9	43.0	24.7653	ug/L	24.7653	ug/L	14:22:44
1	Sb 217.584†	-44.9	1.7	3.05664	ug/L	3.05664	ug/L	14:22:44
1	Se 196.026†	-38.8	-4.1	-6.49327	ug/L	-6.49327	ug/L	14:22:44
1	Si 251.611†	53403.8	54155.3	5046.60	ug/L	5046.60	ug/L	14:22:24
1	Sn 189.927†	-19.3	-26.3	-9.53898	ug/L	-9.53898	ug/L	14:22:44
1	Tl 190.801†	-42.0	-4.0	-1.54491	ug/L	-1.54491	ug/L	14:22:44
1	V 292.395†	-1137.4	158.9	4.39972	ug/L	4.39972	ug/L	14:22:24
1	Zn 206.200†	86.9	155.1	13.9780	ug/L	13.9780	ug/L	14:22:44
2	Sc 357.234	186148.7	186148.7	100.037	%			14:21:57
2	Al 396.153†	2681.6	2503.7	780.696	ug/L	780.696	ug/L	14:22:17
2	Ba 455.398†	17120.3	17160.7	56.9102	ug/L	56.9102	ug/L	14:21:57
2	Ca 315.887†	21072.4	20948.0	13.8759	mg/L	13.8759	mg/L	14:21:57
2	Fe 238.204†	818.8	784.4	332.309	ug/L	332.309	ug/L	14:22:17
2	K 766.490	568.3	517.5	0.653362	mg/L	0.653362	mg/L	14:22:17
2	Li 670.784†	59.2	121.2	0.232208	ug/L	0.232208	ug/L	14:22:17
2	Mg 279.071†	650.6	632.8	1.33385	mg/L	1.33385	mg/L	14:22:17
2	Na 589.592†	267398.2	266634.4	39.9604	mg/L	39.9604	mg/L	14:21:57
2	Sr 407.771†	30473.5	30308.3	37.1769	ug/L	37.1769	ug/L	14:21:57
2	Ti 334.940†	459.6	493.9	34.3550	ug/L	34.3550	ug/L	14:22:17
2	Y 360.076	230650.5	230650.5	98.1006	%			14:22:49
2	Ag 328.068†	61.3	-28.5	0.0106695	ug/L	0.0106695	ug/L	14:22:49
2	As 188.979†	-25.9	-0.9	-10.6708	ug/L	-10.6708	ug/L	14:23:09
2	B 249.677†	12210.7	11780.0	637.676	ug/L	637.676	ug/L	14:22:49
2	Be 234.861†	-726.5	40.8	-0.0888543	ug/L	-0.0888543	ug/L	14:23:09
2	Cd 214.437†	409.5	5.7	-1.41299	ug/L	-1.41299	ug/L	14:23:09
2	Ce 413.764†	795.7	-2.6	-0.0835741	ug/L	-0.0835741	ug/L	14:22:49
2	Co 228.616†	-75.0	6.1	-0.913606	ug/L	-0.913606	ug/L	14:23:09
2	Cr 205.557†	117.6	148.6	11.8049	ug/L	11.8049	ug/L	14:23:09
2	Cu 327.397†	144.5	143.3	4.28235	ug/L	4.28235	ug/L	14:22:49
2	Mn 257.610†	922.6	734.1	3.56469	ug/L	3.56469	ug/L	14:23:09
2	Mo 202.031†	199.3	113.1	15.4588	ug/L	15.4588	ug/L	14:23:09
2	Ni 231.604†	341.5	-5.6	-1.69404	ug/L	-1.69404	ug/L	14:23:09
2	Pb 220.353†	77.1	45.3	26.2413	ug/L	26.2413	ug/L	14:23:09
2	Sb 217.584†	-40.4	6.1	6.51627	ug/L	6.51627	ug/L	14:23:09
2	Se 196.026†	-42.8	-8.3	-17.8587	ug/L	-17.8587	ug/L	14:23:09
2	Si 251.611†	53210.0	54103.0	5041.71	ug/L	5041.71	ug/L	14:22:49
2	Sn 189.927†	-27.6	-34.9	-13.5399	ug/L	-13.5399	ug/L	14:23:09
2	Tl 190.801†	-50.1	-12.3	-11.7867	ug/L	-11.7867	ug/L	14:23:09
2	V 292.395†	-1154.4	138.5	3.94448	ug/L	3.94448	ug/L	14:22:49
2	Zn 206.200†	82.7	151.1	13.5508	ug/L	13.5508	ug/L	14:23:09

Mean Data: 1002038-24

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	187285.7	100.648	%	0.8641				0.86%
Y 360.076	230959.1	98.2319	%	0.18564				0.19%
Ag 328.068†	-50.7	-0.340825	ug/L	0.4970886	-0.340825	ug/L	0.4970886	145.85%
Al 396.153†	2495.4	778.072	ug/L	3.7116	778.072	ug/L	3.7116	0.48%
As 188.979†	-0.3	-9.59566	ug/L	1.520497	-9.59566	ug/L	1.520497	15.85%
B 249.677†	11754.4	636.276	ug/L	1.9794	636.276	ug/L	1.9794	0.31%
Ba 455.398†	17135.6	56.8267	ug/L	0.11814	56.8267	ug/L	0.11814	0.21%
Be 234.861†	41.9	-0.0823053	ug/L	0.00926171	-0.0823053	ug/L	0.00926171	11.25%
Ca 315.887†	20895.9	13.8413	mg/L	0.04890	13.8413	mg/L	0.04890	0.35%
Cd 214.437†	8.0	-1.32425	ug/L	0.125504	-1.32425	ug/L	0.125504	9.48%
Ce 413.764†	11.6	0.301969	ug/L	0.5452402	0.301969	ug/L	0.5452402	180.56%
Co 228.616†	7.1	-0.758144	ug/L	0.2198558	-0.758144	ug/L	0.2198558	29.00%
Cr 205.557†	144.4	11.4347	ug/L	0.52355	11.4347	ug/L	0.52355	4.58%
Cu 327.397†	147.5	4.40942	ug/L	0.179704	4.40942	ug/L	0.179704	4.08%
Fe 238.204†	777.9	329.534	ug/L	3.9253	329.534	ug/L	3.9253	1.19%
K 766.490	509.8	0.643032	mg/L	0.0146095	0.643032	mg/L	0.0146095	2.27%
Li 670.784†	112.9	-0.0075036	ug/L	0.33900325	-0.0075036	ug/L	0.33900325	>999.9%
Mg 279.071†	629.1	1.32588	mg/L	0.011275	1.32588	mg/L	0.011275	0.85%
Mn 257.610†	734.3	3.56583	ug/L	0.001622	3.56583	ug/L	0.001622	0.05%
Mo 202.031†	115.2	15.7244	ug/L	0.37561	15.7244	ug/L	0.37561	2.39%
Na 589.592†	265857.0	39.8439	mg/L	0.16480	39.8439	mg/L	0.16480	0.41%
Ni 231.604†	-10.3	-2.08295	ug/L	0.549998	-2.08295	ug/L	0.549998	26.40%
Pb 220.353†	44.2	25.5033	ug/L	1.04366	25.5033	ug/L	1.04366	4.09%
Sb 217.584†	3.9	4.78646	ug/L	2.446326	4.78646	ug/L	2.446326	51.11%
Se 196.026†	-6.2	-12.1760	ug/L	8.03661	-12.1760	ug/L	8.03661	66.00%
Si 251.611†	54129.1	5044.15	ug/L	3.461	5044.15	ug/L	3.461	0.07%
Sn 189.927†	-30.6	-11.5395	ug/L	2.82909	-11.5395	ug/L	2.82909	24.52%
Sr 407.771†	30249.4	37.1030	ug/L	0.10452	37.1030	ug/L	0.10452	0.28%
Ti 334.940†	490.3	34.1159	ug/L	0.33811	34.1159	ug/L	0.33811	0.99%
Tl 190.801†	-8.2	-6.66579	ug/L	7.242010	-6.66579	ug/L	7.242010	108.64%
V 292.395†	148.7	4.17210	ug/L	0.321906	4.17210	ug/L	0.321906	7.72%
Zn 206.200†	153.1	13.7644	ug/L	0.30210	13.7644	ug/L	0.30210	2.19%

Sequence No.: 57
Sample ID: 0B09014-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 2/9/2010 2:24:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B09014-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	187415.5	187415.5	100.718	%			14:25:31
1	Al 396.153†	8174.0	7938.8	2486.73	ug/L	2486.73	ug/L	14:25:31
1	Ba 455.398†	151782.7	150747.6	502.179	ug/L	502.179	ug/L	14:25:31
1	Ca 315.887†	7713.9	7542.3	4.98594	mg/L	4.98594	mg/L	14:25:51
1	Fe 238.204†	1212.6	1169.9	495.102	ug/L	495.102	ug/L	14:25:51
1	K 766.490	3823.7	3772.9	5.02780	mg/L	5.02780	mg/L	14:25:51
1	Li 670.784†	18120.9	18053.8	514.970	ug/L	514.970	ug/L	14:25:31
1	Mg 279.071†	2405.9	2371.2	5.04145	mg/L	5.04145	mg/L	14:25:51
1	Na 589.592†	34845.7	33932.7	5.08273	mg/L	5.08273	mg/L	14:25:31
1	Sr 407.771†	402766.5	399741.9	500.714	ug/L	500.714	ug/L	14:25:31
1	Ti 334.940†	7596.1	7576.4	498.573	ug/L	498.573	ug/L	14:25:51
1	Y 360.076	237138.8	237138.8	100.860	%			14:26:23
1	Ag 328.068†	31380.9	31022.2	494.709	ug/L	494.709	ug/L	14:26:23
1	As 188.979†	1506.6	1519.2	2462.32	ug/L	2462.32	ug/L	14:26:43
1	B 249.677†	9617.9	8868.9	477.219	ug/L	477.219	ug/L	14:26:23
1	Be 234.861†	9254.8	9957.2	49.2911	ug/L	49.2911	ug/L	14:26:43
1	Cd 214.437†	13148.4	12624.5	488.608	ug/L	488.608	ug/L	14:26:43
1	Ce 413.764†	805.0	-15.6	-0.515966	ug/L	-0.515966	ug/L	14:26:23
1	Co 228.616†	3126.7	3182.6	491.849	ug/L	491.849	ug/L	14:26:43
1	Cr 205.557†	5643.3	5624.0	491.535	ug/L	491.535	ug/L	14:26:43
1	Cu 327.397†	16277.6	16134.8	491.578	ug/L	491.578	ug/L	14:26:23
1	Mn 257.610†	73421.8	72589.2	494.330	ug/L	494.330	ug/L	14:26:23
1	Mo 202.031†	3967.9	3844.0	490.010	ug/L	490.010	ug/L	14:26:43
1	Ni 231.604†	6318.3	5910.7	491.546	ug/L	491.546	ug/L	14:26:43
1	Pb 220.353†	821.2	781.0	481.607	ug/L	481.607	ug/L	14:26:43

1	Sb 217.584†	3146.1	3166.6	2447.94 ug/L	2447.94 ug/L	14:26:43
1	Se 196.026†	882.9	910.7	2448.88 ug/L	2448.88 ug/L	14:26:43
1	Si 251.611†	26896.2	26529.6	2456.53 ug/L	2456.53 ug/L	14:26:23
1	Sn 189.927†	5246.5	5195.1	2438.20 ug/L	2438.20 ug/L	14:26:43
1	Tl 190.801†	1984.2	2006.0	2459.73 ug/L	2459.73 ug/L	14:26:43
1	V 292.395†	21148.5	22283.3	496.493 ug/L	496.493 ug/L	14:26:23
1	Zn 206.200†	4647.9	4675.1	490.216 ug/L	490.216 ug/L	14:26:43
2	Sc 357.234	190059.7	190059.7	102.139 %		14:25:57
2	Al 396.153†	8330.4	7979.1	2499.49 ug/L	2499.49 ug/L	14:25:57
2	Ba 455.398†	153916.7	150740.4	502.155 ug/L	502.155 ug/L	14:25:57
2	Ca 315.887†	7767.9	7488.6	4.95037 mg/L	4.95037 mg/L	14:26:17
2	Fe 238.204†	1230.7	1170.9	495.508 ug/L	495.508 ug/L	14:26:17
2	K 766.490	3860.5	3809.8	5.07731 mg/L	5.07731 mg/L	14:26:17
2	Li 670.784†	18326.4	18004.7	513.561 ug/L	513.561 ug/L	14:25:57
2	Mg 279.071†	2417.3	2349.2	4.99436 mg/L	4.99436 mg/L	14:26:17
2	Na 589.592†	35169.8	33768.7	5.05815 mg/L	5.05815 mg/L	14:25:57
2	Sr 407.771†	407933.3	399237.2	500.080 ug/L	500.080 ug/L	14:25:57
2	Ti 334.940†	7638.1	7512.6	494.387 ug/L	494.387 ug/L	14:26:17
2	Y 360.076	236898.7	236898.7	100.758 %		14:26:48
2	Ag 328.068†	31589.6	31260.9	498.510 ug/L	498.510 ug/L	14:26:48
2	As 188.979†	1499.6	1513.7	2453.47 ug/L	2453.47 ug/L	14:27:08
2	B 249.677†	9656.8	8917.1	479.862 ug/L	479.862 ug/L	14:26:48
2	Be 234.861†	9201.7	9913.9	49.0749 ug/L	49.0749 ug/L	14:27:08
2	Cd 214.437†	13119.4	12609.0	488.004 ug/L	488.004 ug/L	14:27:08
2	Ce 413.764†	785.7	-34.0	-1.01060 ug/L	-1.01060 ug/L	14:26:48
2	Co 228.616†	3114.6	3173.7	490.471 ug/L	490.471 ug/L	14:27:08
2	Cr 205.557†	5603.5	5590.1	488.567 ug/L	488.567 ug/L	14:27:08
2	Cu 327.397†	16238.1	16112.0	490.880 ug/L	490.880 ug/L	14:26:48
2	Mn 257.610†	73600.1	72840.0	496.043 ug/L	496.043 ug/L	14:26:48
2	Mo 202.031†	3949.7	3830.0	488.227 ug/L	488.227 ug/L	14:27:08
2	Ni 231.604†	6311.7	5910.5	491.530 ug/L	491.530 ug/L	14:27:08
2	Pb 220.353†	819.0	779.6	480.747 ug/L	480.747 ug/L	14:27:08
2	Sb 217.584†	3136.2	3160.0	2442.85 ug/L	2442.85 ug/L	14:27:08
2	Se 196.026†	874.8	903.6	2429.75 ug/L	2429.75 ug/L	14:27:08
2	Si 251.611†	26888.7	26549.2	2458.47 ug/L	2458.47 ug/L	14:26:48
2	Sn 189.927†	5231.2	5185.1	2433.53 ug/L	2433.53 ug/L	14:27:08
2	Tl 190.801†	1976.7	2000.5	2452.97 ug/L	2452.97 ug/L	14:27:08
2	V 292.395†	21095.7	22252.3	495.793 ug/L	495.793 ug/L	14:26:48
2	Zn 206.200†	4633.7	4665.6	489.221 ug/L	489.221 ug/L	14:27:08

Mean Data: 0B09014-CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	188737.6	101.428	%	1.0048				0.99%
Y 360.076	237018.8	100.809	%	0.0722				0.07%
Ag 328.068†	31141.5	496.609	ug/L	2.6874	496.609	ug/L	2.6874	0.54%
QC value within limits for Ag 328.068 Recovery = 99.32%								
Al 396.153†	7959.0	2493.11	ug/L	9.017	2493.11	ug/L	9.017	0.36%
QC value within limits for Al 396.153 Recovery = 99.72%								
As 188.979†	1516.5	2457.89	ug/L	6.263	2457.89	ug/L	6.263	0.25%
QC value within limits for As 188.979 Recovery = 98.32%								
B 249.677†	8893.0	478.541	ug/L	1.8685	478.541	ug/L	1.8685	0.39%
QC value within limits for B 249.677 Recovery = 95.71%								
Ba 455.398†	150744.0	502.167	ug/L	0.0169	502.167	ug/L	0.0169	0.00%
QC value within limits for Ba 455.398 Recovery = 100.43%								
Be 234.861†	9935.5	49.1830	ug/L	0.15289	49.1830	ug/L	0.15289	0.31%
QC value within limits for Be 234.861 Recovery = 98.37%								
Ca 315.887†	7515.4	4.96815	mg/L	0.025151	4.96815	mg/L	0.025151	0.51%
QC value within limits for Ca 315.887 Recovery = 99.36%								
Cd 214.437†	12616.8	488.306	ug/L	0.4271	488.306	ug/L	0.4271	0.09%
QC value within limits for Cd 214.437 Recovery = 97.66%								
Ce 413.764†	-24.8	-0.763283	ug/L	0.3497597	-0.763283	ug/L	0.3497597	45.82%
Co 228.616†	3178.1	491.160	ug/L	0.9742	491.160	ug/L	0.9742	0.20%
QC value within limits for Co 228.616 Recovery = 98.23%								
Cr 205.557†	5607.1	490.051	ug/L	2.0987	490.051	ug/L	2.0987	0.43%
QC value within limits for Cr 205.557 Recovery = 98.01%								
Cu 327.397†	16123.4	491.229	ug/L	0.4930	491.229	ug/L	0.4930	0.10%
QC value within limits for Cu 327.397 Recovery = 98.25%								
Fe 238.204†	1170.4	495.305	ug/L	0.2875	495.305	ug/L	0.2875	0.06%
QC value within limits for Fe 238.204 Recovery = 99.06%								

K 766.490	3791.3	5.05256 mg/L	0.035012	5.05256 mg/L	0.035012	0.69%
QC value within limits for K 766.490 Recovery = 101.05%						
Li 670.784†	18029.3	514.266 ug/L	0.9963	514.266 ug/L	0.9963	0.19%
QC value within limits for Li 670.784 Recovery = 102.85%						
Mg 279.071†	2360.2	5.01790 mg/L	0.033296	5.01790 mg/L	0.033296	0.66%
QC value within limits for Mg 279.071 Recovery = 100.36%						
Mn 257.610†	72714.6	495.186 ug/L	1.2111	495.186 ug/L	1.2111	0.24%
QC value within limits for Mn 257.610 Recovery = 99.04%						
Mo 202.031†	3837.0	489.119 ug/L	1.2611	489.119 ug/L	1.2611	0.26%
QC value within limits for Mo 202.031 Recovery = 97.82%						
Na 589.592†	33850.7	5.07044 mg/L	0.017381	5.07044 mg/L	0.017381	0.34%
QC value within limits for Na 589.592 Recovery = 101.41%						
Ni 231.604†	5910.6	491.538 ug/L	0.0113	491.538 ug/L	0.0113	0.00%
QC value within limits for Ni 231.604 Recovery = 98.31%						
Pb 220.353†	780.3	481.177 ug/L	0.6083	481.177 ug/L	0.6083	0.13%
QC value within limits for Pb 220.353 Recovery = 96.24%						
Sb 217.584†	3163.3	2445.39 ug/L	3.602	2445.39 ug/L	3.602	0.15%
QC value within limits for Sb 217.584 Recovery = 97.82%						
Se 196.026†	907.1	2439.31 ug/L	13.523	2439.31 ug/L	13.523	0.55%
QC value within limits for Se 196.026 Recovery = 97.57%						
Si 251.611†	26539.4	2457.50 ug/L	1.372	2457.50 ug/L	1.372	0.06%
QC value within limits for Si 251.611 Recovery = 98.30%						
Sn 189.927†	5190.1	2435.87 ug/L	3.302	2435.87 ug/L	3.302	0.14%
QC value within limits for Sn 189.927 Recovery = 97.43%						
Sr 407.771†	399489.5	500.397 ug/L	0.4478	500.397 ug/L	0.4478	0.09%
QC value within limits for Sr 407.771 Recovery = 100.08%						
Ti 334.940†	7544.5	496.480 ug/L	2.9603	496.480 ug/L	2.9603	0.60%
QC value within limits for Ti 334.940 Recovery = 99.30%						
Tl 190.801†	2003.2	2456.35 ug/L	4.778	2456.35 ug/L	4.778	0.19%
QC value within limits for Tl 190.801 Recovery = 98.25%						
V 292.395†	22267.8	496.143 ug/L	0.4949	496.143 ug/L	0.4949	0.10%
QC value within limits for V 292.395 Recovery = 99.23%						
Zn 206.200†	4670.4	489.718 ug/L	0.7035	489.718 ug/L	0.7035	0.14%
QC value within limits for Zn 206.200 Recovery = 97.94%						

All analyte(s) passed QC.

==========

Sequence No.: 58
Sample ID: 0B09014-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Data Collected: 2/9/2010 2:28:24 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B09014-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	189739.2	189739.2	101.967	%			14:29:29
1	Al 396.153†	188.1	7.6	-10.6664	ug/L	-10.6664	ug/L	14:29:29
1	Ba 455.398†	-105.4	-56.6	-0.478169	ug/L	-0.478169	ug/L	14:29:29
1	Ca 315.887†	126.0	6.9	-0.0110670	mg/L	-0.0110670	mg/L	14:29:49
1	Fe 238.204†	30.2	-4.4	-1.94368	ug/L	-1.94368	ug/L	14:29:49
1	K 766.490	42.7	-8.1	-0.0528661	mg/L	-0.0528661	mg/L	14:29:29
1	Li 670.784†	-65.3	-2.0	-3.30428	ug/L	-3.30428	ug/L	14:29:29
1	Mg 279.071†	15.4	-2.4	-0.0210094	mg/L	-0.0210094	mg/L	14:29:49
1	Na 589.592†	656.5	-20.8	-0.0062729	mg/L	-0.0062729	mg/L	14:29:29
1	Sr 407.771†	202.1	44.3	-0.796057	ug/L	-0.796057	ug/L	14:29:29
1	Ti 334.940†	-20.8	14.1	2.90256	ug/L	2.90256	ug/L	14:29:49
1	Y 360.076	235675.3	235675.3	100.238	%			14:30:20
1	Ag 328.068†	129.3	37.9	0.865348	ug/L	0.865348	ug/L	14:30:20
1	As 188.979†	-21.6	3.8	-2.64593	ug/L	-2.64593	ug/L	14:30:40
1	B 249.677†	593.5	-75.0	-10.2751	ug/L	-10.2751	ug/L	14:30:40
1	Be 234.861†	-740.4	42.7	0.0388056	ug/L	0.0388056	ug/L	14:30:40
1	Cd 214.437†	402.8	-9.8	-1.90510	ug/L	-1.90510	ug/L	14:30:40
1	Ce 413.764†	799.3	-16.3	-0.442830	ug/L	-0.442830	ug/L	14:30:20
1	Co 228.616†	-77.7	5.0	-1.00437	ug/L	-1.00437	ug/L	14:30:40
1	Cr 205.557†	-28.7	0.2	-1.22784	ug/L	-1.22784	ug/L	14:30:40
1	Cu 327.397†	0.5	-3.4	-0.206197	ug/L	-0.206197	ug/L	14:30:20
1	Mn 257.610†	193.3	-13.5	-1.55378	ug/L	-1.55378	ug/L	14:30:40
1	Mo 202.031†	87.1	-3.1	0.672543	ug/L	0.672543	ug/L	14:30:40
1	Ni 231.604†	327.3	-27.1	-3.51693	ug/L	-3.51693	ug/L	14:30:40

1	Pb 220.353†	34.0	0.7	-1.44594 ug/L	-1.44594 ug/L	14:30:40
1	Sb 217.584†	-44.0	3.4	3.41229 ug/L	3.41229 ug/L	14:30:40
1	Se 196.026†	-25.9	9.6	29.6997 ug/L	29.6997 ug/L	14:30:40
1	Si 251.611†	100.9	-36.6	-9.68770 ug/L	-9.68770 ug/L	14:30:40
1	Sn 189.927†	8.3	1.6	0.544258 ug/L	0.544258 ug/L	14:30:40
1	Tl 190.801†	-38.8	-0.1	2.93911 ug/L	2.93911 ug/L	14:30:40
1	V 292.395†	-1211.2	106.9	3.17592 ug/L	3.17592 ug/L	14:30:20
1	Zn 206.200†	-61.7	5.3	-1.74021 ug/L	-1.74021 ug/L	14:30:40
2	Sc 357.234	188875.6	188875.6	101.502 %		14:29:54
2	Al 396.153†	165.9	-13.5	-17.2936 ug/L	-17.2936 ug/L	14:29:54
2	Ba 455.398†	-44.3	3.1	-0.279080 ug/L	-0.279080 ug/L	14:29:54
2	Ca 315.887†	123.0	4.5	-0.0126348 mg/L	-0.0126348 mg/L	14:30:14
2	Fe 238.204†	31.7	-2.8	-1.23723 ug/L	-1.23723 ug/L	14:30:14
2	K 766.490	63.6	12.8	-0.0247529 mg/L	-0.0247529 mg/L	14:29:54
2	Li 670.784†	2.4	64.5	-1.39752 ug/L	-1.39752 ug/L	14:29:54
2	Mg 279.071†	16.8	-1.0	-0.0179649 mg/L	-0.0179649 mg/L	14:30:14
2	Na 589.592†	562.7	-110.2	-0.0196764 mg/L	-0.0196764 mg/L	14:29:54
2	Sr 407.771†	139.0	-17.0	-0.872957 ug/L	-0.872957 ug/L	14:29:54
2	Ti 334.940†	-37.8	-2.8	1.79791 ug/L	1.79791 ug/L	14:30:14
2	Y 360.076	236006.0	236006.0	100.378 %		14:30:46
2	Ag 328.068†	81.6	-9.7	0.106533 ug/L	0.106533 ug/L	14:30:46
2	As 188.979†	-18.6	6.9	2.36709 ug/L	2.36709 ug/L	14:31:06
2	B 249.677†	576.5	-92.7	-11.2434 ug/L	-11.2434 ug/L	14:31:06
2	Be 234.861†	-750.1	34.2	-0.0042463 ug/L	-0.0042463 ug/L	14:31:06
2	Cd 214.437†	404.8	-8.4	-1.85149 ug/L	-1.85149 ug/L	14:31:06
2	Ce 413.764†	803.0	-13.8	-0.373487 ug/L	-0.373487 ug/L	14:30:46
2	Co 228.616†	-73.7	9.1	-0.357938 ug/L	-0.357938 ug/L	14:31:06
2	Cr 205.557†	-19.8	9.1	-0.450073 ug/L	-0.450073 ug/L	14:31:06
2	Cu 327.397†	-10.9	-14.9	-0.554958 ug/L	-0.554958 ug/L	14:30:46
2	Mn 257.610†	181.6	-25.4	-1.63533 ug/L	-1.63533 ug/L	14:31:06
2	Mo 202.031†	78.9	-11.4	-0.375150 ug/L	-0.375150 ug/L	14:31:06
2	Ni 231.604†	334.3	-20.7	-2.98349 ug/L	-2.98349 ug/L	14:31:06
2	Pb 220.353†	32.0	-1.4	-2.73228 ug/L	-2.73228 ug/L	14:31:06
2	Sb 217.584†	-43.5	4.1	3.91100 ug/L	3.91100 ug/L	14:31:06
2	Se 196.026†	-32.6	2.8	11.6577 ug/L	11.6577 ug/L	14:31:06
2	Si 251.611†	95.8	-41.8	-10.1478 ug/L	-10.1478 ug/L	14:31:06
2	Sn 189.927†	6.0	-0.7	-0.546829 ug/L	-0.546829 ug/L	14:31:06
2	Tl 190.801†	-38.8	0.0	3.00674 ug/L	3.00674 ug/L	14:31:06
2	V 292.395†	-1260.2	59.8	2.12600 ug/L	2.12600 ug/L	14:30:46
2	Zn 206.200†	-67.0	0.1	-2.29294 ug/L	-2.29294 ug/L	14:31:06

Mean Data: 0B09014-CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	189307.4	101.735	%	0.3282				0.32%
Y 360.076	235840.6	100.308	%	0.0994				0.10%
Ag 328.068†	14.1	0.485941	ug/L	0.5365635	0.485941	ug/L	0.5365635	110.42%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-2.9	-13.9800	ug/L	4.68614	-13.9800	ug/L	4.68614	33.52%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	5.4	-0.139424	ug/L	3.5447410	-0.139424	ug/L	3.5447410	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-83.8	-10.7593	ug/L	0.68471	-10.7593	ug/L	0.68471	6.36%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	-26.8	-0.378624	ug/L	0.1407775	-0.378624	ug/L	0.1407775	37.18%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	38.5	0.0172796	ug/L	0.03044233	0.0172796	ug/L	0.03044233	176.17%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	5.7	-0.0118509	mg/L	0.00110860	-0.0118509	mg/L	0.00110860	9.35%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	-9.1	-1.87829	ug/L	0.037911	-1.87829	ug/L	0.037911	2.02%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	-15.1	-0.408158	ug/L	0.0490328	-0.408158	ug/L	0.0490328	12.01%
Co 228.616†	7.1	-0.681152	ug/L	0.4570934	-0.681152	ug/L	0.4570934	67.11%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	4.6	-0.838958	ug/L	0.5499655	-0.838958	ug/L	0.5499655	65.55%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	-9.1	-0.380578	ug/L	0.2466117	-0.380578	ug/L	0.2466117	64.80%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	-3.6	-1.59046	ug/L	0.499533	-1.59046	ug/L	0.499533	31.41%

QC value within limits for Fe 238.204 Recovery = Not calculated

K 766.490		2.4	-0.0388095 mg/L	0.01987906	-0.0388095 mg/L	0.01987906	51.22%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†		31.3	-2.35090 ug/L	1.348278	-2.35090 ug/L	1.348278	57.35%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†		-1.7	-0.0194872 mg/L	0.00215279	-0.0194872 mg/L	0.00215279	11.05%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†		-19.4	-1.59455 ug/L	0.057666	-1.59455 ug/L	0.057666	3.62%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†		-7.3	0.148696 ug/L	0.7408314	0.148696 ug/L	0.7408314	498.22%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†		-65.5	-0.0129747 mg/L	0.00947767	-0.0129747 mg/L	0.00947767	73.05%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†		-23.9	-3.25021 ug/L	0.377198	-3.25021 ug/L	0.377198	11.61%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†		-0.3	-2.08911 ug/L	0.909579	-2.08911 ug/L	0.909579	43.54%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†		3.8	3.66165 ug/L	0.352639	3.66165 ug/L	0.352639	9.63%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†		6.2	20.6787 ug/L	12.75768	20.6787 ug/L	12.75768	61.69%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†		-39.2	-9.91775 ug/L	0.325337	-9.91775 ug/L	0.325337	3.28%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†		0.5	-0.0012854 ug/L	0.77151527	-0.0012854 ug/L	0.77151527	>999.9%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†		13.7	-0.834507 ug/L	0.0543766	-0.834507 ug/L	0.0543766	6.52%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†		5.6	2.35023 ug/L	0.781103	2.35023 ug/L	0.781103	33.24%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†		-0.0	2.97292 ug/L	0.047827	2.97292 ug/L	0.047827	1.61%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†		83.4	2.65096 ug/L	0.742403	2.65096 ug/L	0.742403	28.01%
QC value within limits for V 292.395 Recovery = Not calculated								
Zn 206.200†		2.7	-2.01657 ug/L	0.390833	-2.01657 ug/L	0.390833	19.38%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Analytical Sequence
Method: Aqueous_6010C_311

Seq.	Loc.	ID	Status
1	1	0B09014-CAL1	Applied
2	2	0B09014-CAL2	Applied
3	3	0B09014-CAL3	Applied
4	4	0B09014-CAL4	Applied
5	5	0B09014-CAL5	Applied
6	9	0B09014-SCV	QC Failed
7	1	0B09014-CCB	QC Passed
8	10	0B09014-CRL1	QC Passed
9	11	0B09014-IFA1	QC Passed
10	12	0B09014-IFA2	QC Passed
11	13	0B09014-IFB1	QC Passed
12	14	0B09014-IFB2	QC Passed
13	4	0B09014-CCV	QC Passed
14	1	0B09014-CCB	QC Passed
15	17	1001056-blk1	Analyzed
16	18	1001056-bs1	Analyzed
17	19	1002038-01	Analyzed
18	20	1002038-02	Analyzed
19	21	1002038-03	Analyzed
20	22	1002038-04	Analyzed
21	23	1002038-05	Analyzed
22	24	1002038-06	Analyzed
23	25	1002038-08	Analyzed
24	26	1002038-09	Analyzed
25	4	0B09014-CCV	QC Passed
26	1	0B09014-CCB	QC Passed
27	27	1002038-10	Analyzed
28	28	1002038-11	Analyzed
29	29	1002038-12	Analyzed
30	30	1002038-13	Analyzed

31	31	1002038-14	Analyzed
32	32	1001056-ms1	Analyzed
33	33	1001056-msd1	Analyzed
34	34	0B09014-srd1	Analyzed
35	35	1001056-ps1	Analyzed
36	36	1002038-15	Analyzed
37	4	0B09014-CCV	QC Passed
38	1	0B09014-CCB	QC Passed
39	37	1002038-16	Analyzed
40	38	38-07	Analyzed
41	39	1001058-blk1	Analyzed
42	40	1001058-bs1	Analyzed
43	41	1002038-17	Analyzed
44	42	1001058-ms1	Analyzed
45	43	1001058-msd1	Analyzed
46	44	0B09014-srd2	Analyzed
47	45	1001058-ps1	Analyzed
48	46	1002038-18	Analyzed
49	4	0B09014-CCV	QC Passed
50	1	0B09014-CCB	QC Passed
51	47	1002038-19	Analyzed
52	48	1002038-20	Analyzed
53	49	1002038-21	Analyzed
54	50	1002038-22	Analyzed
55	51	1002038-23	Analyzed
56	52	1002038-24	Analyzed
57	4	0B09014-CCV	QC Passed
58	1	0B09014-CCB	QC Passed

TriMatrix Laboratories, Inc.

SulTRAC

Project: Plainwell Mill

SDG: PM011810B

USEPA-6020A

SAMPLE ID SUMMARY

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810B

Client: SulTRAC

Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-SO-56394-CB-011810-062	1002038-01
S-SO-56394-CB-011810-072	1002038-02
S-SO-56394-CB-011810-057	1002038-03
S-SO-56394-DR-011910-1024	1002038-04
S-SO-56394-CB-011910-077	1002038-05
SD-SO-56394-CB-011910-077	1002038-06
S-SO-56394-CB-011910-081	1002038-07
S-SO-56394-CB-011910-086	1002038-08
S-SO-56394-CB-011910-090	1002038-09
S-SO-56394-CB-012010-094	1002038-10
S-SO-56394-CB-012010-099	1002038-11
S-SO-56394-DR-012010-1031	1002038-12
S-SO-56394-DR-012010-1035	1002038-13
S-SO-56394-DR-012010-1038	1002038-14
S-SO-56394-DR-012110-1045	1002038-15
S-SO-56394-DR-012110-1049	1002038-16
SD-SO-56394-DR-012110-1049	1002038-17
S-SO-56394-DR-012110-1050	1002038-18
S-SO-56394-CB-012010-105	1002038-19
S-SO-56394-CB-012110-107	1002038-20
S-SO-56394-CB-012110-109	1002038-21
S-SO-56394-CB-012110-114	1002038-22
S-SO-56394-CB-012110-116	1002038-23
S-SO-56394-CB-012110-118	1002038-24

00227

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011810-062

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/18/10 13:45
Solids: 0.00
Laboratory ID: 1002038-01

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001061

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036	U	02/22/10 18:07
7440-38-2	Arsenic, SPLP	0.0025	mg/L	1	0.0010	0.00038		02/22/10 18:07
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 18:07
7440-43-9	Cadmium, SPLP	0.000066	mg/L	1	0.00020	0.000055	J	02/22/10 18:07
7440-47-3	Chromium, SPLP	0.0023	mg/L	1	0.0050	0.00046	J	02/10/10 15:12
7440-48-4	Cobalt, SPLP	0.00047	mg/L	1	0.0010	0.000042	J	02/10/10 15:12
7440-50-8	Copper, SPLP	0.0038	mg/L	1	0.0020	0.00071		02/22/10 18:07
7439-92-1	Lead, SPLP	0.0015	mg/L	1	0.0010	0.00022		02/22/10 18:07
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/22/10 18:07
7440-22-4	Silver, SPLP	0.00010	mg/L	1	0.00020	0.000061	J	02/10/10 15:12
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 18:07
7440-62-2	Vanadium, SPLP	0.0045	mg/L	1	0.0010	0.00028		02/22/10 18:07
7440-66-6	Zinc, SPLP	0.011	mg/L	1	0.050	0.0029	J	02/22/10 18:07

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011810-072

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/18/10 16:15
Solids: 0.00
Laboratory ID: 1002038-02

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001061

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.00096	mg/L	1	0.0010	0.00036	J	02/22/10 18:10
7440-38-2	Arsenic, SPLP	0.0015	mg/L	1	0.0010	0.00038		02/22/10 18:10
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 18:10
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 18:10
7440-47-3	Chromium, SPLP	0.0050	mg/L	1	0.0050	0.00046	U	02/10/10 15:15
7440-48-4	Cobalt, SPLP	0.00028	mg/L	1	0.0010	0.000042	J	02/10/10 15:15
7440-50-8	Copper, SPLP	0.0031	mg/L	1	0.0020	0.00071		02/22/10 18:10
7439-92-1	Lead, SPLP	0.0010	mg/L	1	0.0010	0.00022	U	02/22/10 18:10
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/10/10 15:15
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/10/10 15:15
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 18:10
7440-62-2	Vanadium, SPLP	0.0013	mg/L	1	0.0010	0.00028		02/22/10 18:10
7440-66-6	Zinc, SPLP	0.0065	mg/L	1	0.050	0.0029	J	02/22/10 18:10

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011810-057

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/18/10 11:25
Solids: 0.00
Laboratory ID: 1002038-03

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001061

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036	U	02/22/10 18:14
7440-38-2	Arsenic, SPLP	0.00055	mg/L	1	0.0010	0.00038	J	02/22/10 18:14
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 18:14
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 18:14
7440-47-3	Chromium, SPLP	0.0024	mg/L	1	0.0050	0.00046	J	02/10/10 15:18
7440-48-4	Cobalt, SPLP	0.00037	mg/L	1	0.0010	0.000042	J	02/10/10 15:18
7440-50-8	Copper, SPLP	0.0013	mg/L	1	0.0020	0.00071	J	02/22/10 18:14
7439-92-1	Lead, SPLP	0.0010	mg/L	1	0.0010	0.00022	U	02/22/10 18:14
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/22/10 18:14
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 18:14
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 18:14
7440-62-2	Vanadium, SPLP	0.0010	mg/L	1	0.0010	0.00028	U	02/22/10 18:14
7440-66-6	Zinc, SPLP	0.0033	mg/L	1	0.050	0.0029	J	02/22/10 18:14

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-DR-011910-1024

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 11:30
Solids: 0.00
Laboratory ID: 1002038-04

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001061

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036	U	02/22/10 18:17
7440-38-2	Arsenic, SPLP	0.0016	mg/L	1	0.0010	0.00038		02/22/10 18:17
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 18:17
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 18:17
7440-47-3	Chromium, SPLP	0.0027	mg/L	1	0.0050	0.00046	J	02/10/10 15:20
7440-48-4	Cobalt, SPLP	0.00045	mg/L	1	0.0010	0.000042	J	02/10/10 15:20
7440-50-8	Copper, SPLP	0.0033	mg/L	1	0.0020	0.00071		02/22/10 18:17
7439-92-1	Lead, SPLP	0.0023	mg/L	1	0.0010	0.00022		02/22/10 18:17
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/22/10 18:17
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 18:17
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 18:17
7440-62-2	Vanadium, SPLP	0.0040	mg/L	1	0.0010	0.00028		02/22/10 18:17
7440-66-6	Zinc, SPLP	0.011	mg/L	1	0.050	0.0029	J	02/22/10 18:17

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011910-077

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 09:50
Solids: 0.00
Laboratory ID: 1002038-05

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001061

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.00071	mg/L	1	0.0010	0.00036	J	02/22/10 18:21
7440-38-2	Arsenic, SPLP	0.0026	mg/L	1	0.0010	0.00038		02/22/10 18:21
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 18:21
7440-43-9	Cadmium, SPLP	0.00094	mg/L	1	0.00020	0.000055		02/22/10 18:21
7440-47-3	Chromium, SPLP	0.00061	mg/L	1	0.0050	0.00046	J	02/10/10 15:23
7440-48-4	Cobalt, SPLP	0.0058	mg/L	1	0.0010	0.000042		02/10/10 15:23
7440-50-8	Copper, SPLP	0.031	mg/L	1	0.0020	0.00071		02/22/10 18:21
7439-92-1	Lead, SPLP	0.00086	mg/L	1	0.0010	0.00022	J	02/22/10 18:21
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/10/10 15:23
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 18:21
7440-28-0	Thallium, SPLP	0.00033	mg/L	1	0.0010	0.000056	J	02/22/10 18:21
7440-62-2	Vanadium, SPLP	0.0010	mg/L	1	0.0010	0.00028	U	02/22/10 18:21
7440-66-6	Zinc, SPLP	0.43	mg/L	1	0.050	0.0029		02/22/10 18:21

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

SD-SO-56394-CB-011910-077

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 09:50
Solids: 0.00
Laboratory ID: 1002038-06

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001061

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.00060	mg/L	1	0.0010	0.00036	J	02/22/10 18:24
7440-38-2	Arsenic, SPLP	0.0020	mg/L	1	0.0010	0.00038		02/22/10 18:24
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 18:24
7440-43-9	Cadmium, SPLP	0.00086	mg/L	1	0.00020	0.000055		02/22/10 18:24
7440-47-3	Chromium, SPLP	0.0013	mg/L	1	0.0050	0.00046	J	02/10/10 15:26
7440-48-4	Cobalt, SPLP	0.0070	mg/L	1	0.0010	0.000042		02/10/10 15:26
7440-50-8	Copper, SPLP	0.025	mg/L	1	0.0020	0.00071		02/22/10 18:24
7439-92-1	Lead, SPLP	0.0030	mg/L	1	0.0010	0.00022		02/22/10 18:24
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/10/10 15:26
7440-22-4	Silver, SPLP	0.00010	mg/L	1	0.00020	0.000061	J	02/22/10 18:24
7440-28-0	Thallium, SPLP	0.00012	mg/L	1	0.0010	0.000056	J	02/22/10 18:24
7440-62-2	Vanadium, SPLP	0.00037	mg/L	1	0.0010	0.00028	J	02/22/10 18:24
7440-66-6	Zinc, SPLP	0.36	mg/L	1	0.050	0.0029		02/22/10 18:24

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011910-081

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 12:50
Solids: 0.00
Laboratory ID: 1002038-07

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001061

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036	U	02/22/10 18:28
7440-38-2	Arsenic, SPLP	0.0010	mg/L	1	0.0010	0.00038	U	02/22/10 18:28
7440-41-7	Beryllium, SPLP	0.00033	mg/L	1	0.0010	0.00030	J	02/22/10 18:28
7440-43-9	Cadmium, SPLP	0.00017	mg/L	1	0.00020	0.000055	J	02/22/10 18:28
7440-47-3	Chromium, SPLP	0.0011	mg/L	1	0.0050	0.00046	J	02/10/10 15:29
7440-48-4	Cobalt, SPLP	0.0013	mg/L	1	0.0010	0.000042		02/10/10 15:29
7440-50-8	Copper, SPLP	0.016	mg/L	1	0.0020	0.00071		02/22/10 18:28
7439-92-1	Lead, SPLP	0.00070	mg/L	1	0.0010	0.00022	J	02/22/10 18:28
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/22/10 18:28
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 18:28
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 18:28
7440-62-2	Vanadium, SPLP	0.0011	mg/L	1	0.0010	0.00028		02/22/10 18:28
7440-66-6	Zinc, SPLP	0.043	mg/L	1	0.050	0.0029	J	02/22/10 18:28

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011910-086

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 15:20
Solids: 0.00
Laboratory ID: 1002038-08

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001061

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.00048	mg/L	1	0.0010	0.00036	J	02/22/10 18:31
7440-38-2	Arsenic, SPLP	0.0025	mg/L	1	0.0010	0.00038		02/22/10 18:31
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 18:31
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 18:31
7440-47-3	Chromium, SPLP	0.0032	mg/L	1	0.0050	0.00046	J	02/10/10 15:32
7440-48-4	Cobalt, SPLP	0.00027	mg/L	1	0.0010	0.000042	J	02/10/10 15:32
7440-50-8	Copper, SPLP	0.0045	mg/L	1	0.0020	0.00071		02/22/10 18:31
7439-92-1	Lead, SPLP	0.00041	mg/L	1	0.0010	0.00022	J	02/22/10 18:31
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/10/10 15:32
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/10/10 15:32
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 18:31
7440-62-2	Vanadium, SPLP	0.0066	mg/L	1	0.0010	0.00028		02/22/10 18:31
7440-66-6	Zinc, SPLP	0.0080	mg/L	1	0.050	0.0029	J	02/22/10 18:31

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011910-090

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 16:10
Solids: 0.00
Laboratory ID: 1002038-09

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001061

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.00040	mg/L	1	0.0010	0.00036	J	02/22/10 18:47
7440-38-2	Arsenic, SPLP	0.0011	mg/L	1	0.0010	0.00038		02/22/10 18:47
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 18:47
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 18:47
7440-47-3	Chromium, SPLP	0.0026	mg/L	1	0.0050	0.00046	J	02/10/10 15:41
7440-48-4	Cobalt, SPLP	0.00067	mg/L	1	0.0010	0.000042	J	02/10/10 15:41
7440-50-8	Copper, SPLP	0.0024	mg/L	1	0.0020	0.00071		02/22/10 18:47
7439-92-1	Lead, SPLP	0.0019	mg/L	1	0.0010	0.00022		02/22/10 18:47
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/22/10 18:47
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 18:47
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 18:47
7440-62-2	Vanadium, SPLP	0.0020	mg/L	1	0.0010	0.00028		02/22/10 18:47
7440-66-6	Zinc, SPLP	0.0065	mg/L	1	0.050	0.0029	J	02/22/10 18:47

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012010-094

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 10:50
Solids: 0.00
Laboratory ID: 1002038-10

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001061

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036	U	02/22/10 18:50
7440-38-2	Arsenic, SPLP	0.00079	mg/L	1	0.0010	0.00038	J	02/22/10 18:50
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 18:50
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 18:50
7440-47-3	Chromium, SPLP	0.0031	mg/L	1	0.0050	0.00046	J	02/10/10 15:44
7440-48-4	Cobalt, SPLP	0.00047	mg/L	1	0.0010	0.000042	J	02/10/10 15:44
7440-50-8	Copper, SPLP	0.0017	mg/L	1	0.0020	0.00071	J	02/22/10 18:50
7439-92-1	Lead, SPLP	0.0021	mg/L	1	0.0010	0.00022		02/22/10 18:50
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/22/10 18:50
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 18:50
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 18:50
7440-62-2	Vanadium, SPLP	0.0025	mg/L	1	0.0010	0.00028		02/22/10 18:50
7440-66-6	Zinc, SPLP	0.0088	mg/L	1	0.050	0.0029	J	02/22/10 18:50

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012010-099

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 13:50
Solids: 0.00
Laboratory ID: 1002038-11

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001061

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036	U	02/22/10 18:54
7440-38-2	Arsenic, SPLP	0.0010	mg/L	1	0.0010	0.00038	U	02/22/10 18:54
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 18:54
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 18:54
7440-47-3	Chromium, SPLP	0.0050	mg/L	1	0.0050	0.00046	U	02/10/10 15:46
7440-48-4	Cobalt, SPLP	0.0010	mg/L	1	0.0010	0.000042	U	02/10/10 15:46
7440-50-8	Copper, SPLP	0.0014	mg/L	1	0.0020	0.00071	J	02/22/10 18:54
7439-92-1	Lead, SPLP	0.0010	mg/L	1	0.0010	0.00022	U	02/22/10 18:54
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/22/10 18:54
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 18:54
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 18:54
7440-62-2	Vanadium, SPLP	0.00031	mg/L	1	0.0010	0.00028	J	02/22/10 18:54
7440-66-6	Zinc, SPLP	0.0034	mg/L	1	0.050	0.0029	J	02/22/10 18:54

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-DR-012010-1031

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 08:45
Solids: 0.00
Laboratory ID: 1002038-12

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001061

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0039	mg/L	1	0.0010	0.00036		02/22/10 18:57
7440-38-2	Arsenic, SPLP	0.033	mg/L	1	0.0010	0.00038		02/22/10 18:57
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 18:57
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 18:57
7440-47-3	Chromium, SPLP	0.0011	mg/L	1	0.0050	0.00046	J	02/10/10 15:49
7440-48-4	Cobalt, SPLP	0.000089	mg/L	1	0.0010	0.000042	J	02/10/10 15:49
7440-50-8	Copper, SPLP	0.0018	mg/L	1	0.0020	0.00071	J	02/22/10 18:57
7439-92-1	Lead, SPLP	0.0025	mg/L	1	0.0010	0.00022		02/22/10 18:57
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/10/10 15:49
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/10/10 15:49
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 18:57
7440-62-2	Vanadium, SPLP	0.0010	mg/L	1	0.0010	0.00028		02/22/10 18:57
7440-66-6	Zinc, SPLP	0.0049	mg/L	1	0.050	0.0029	J	02/22/10 18:57

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-DR-012010-1035

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 12:10
Solids: 0.00
Laboratory ID: 1002038-13

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001061

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036	U	02/22/10 19:30
7440-38-2	Arsenic, SPLP	0.0049	mg/L	1	0.0010	0.00038		02/22/10 19:30
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 19:30
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 19:30
7440-47-3	Chromium, SPLP	0.0013	mg/L	1	0.0050	0.00046	J	02/10/10 16:03
7440-48-4	Cobalt, SPLP	0.00062	mg/L	1	0.0010	0.000042	J	02/10/10 16:03
7440-50-8	Copper, SPLP	0.0027	mg/L	1	0.0020	0.00071		02/22/10 19:30
7439-92-1	Lead, SPLP	0.0016	mg/L	1	0.0010	0.00022		02/22/10 19:30
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/22/10 19:30
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 19:30
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 19:30
7440-62-2	Vanadium, SPLP	0.0024	mg/L	1	0.0010	0.00028		02/22/10 19:30
7440-66-6	Zinc, SPLP	0.010	mg/L	1	0.050	0.0029	J	02/22/10 19:30

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-DR-012010-1038

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 14:00
Solids: 0.00
Laboratory ID: 1002038-14

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001063

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0015	mg/L	1	0.0010	0.00036		02/22/10 19:59
7440-38-2	Arsenic, SPLP	0.0015	mg/L	1	0.0010	0.00038		02/22/10 19:59
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 19:59
7440-43-9	Cadmium, SPLP	0.00018	mg/L	1	0.00020	0.000055	J	02/22/10 19:59
7440-47-3	Chromium, SPLP	0.0017	mg/L	1	0.0050	0.00046	J	02/10/10 16:18
7440-48-4	Cobalt, SPLP	0.00023	mg/L	1	0.0010	0.000042	J	02/10/10 16:18
7440-50-8	Copper, SPLP	0.0061	mg/L	1	0.0020	0.00071		02/22/10 19:59
7439-92-1	Lead, SPLP	0.023	mg/L	1	0.0010	0.00022		02/22/10 19:59
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/10/10 16:18
7440-22-4	Silver, SPLP	0.00038	mg/L	1	0.00020	0.000061		02/10/10 16:18
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 19:59
7440-62-2	Vanadium, SPLP	0.0010	mg/L	1	0.0010	0.00028		02/22/10 19:59
7440-66-6	Zinc, SPLP	0.020	mg/L	1	0.050	0.0029	J	02/22/10 19:59

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-DR-012110-1045

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 08:55
Solids: 0.00
Laboratory ID: 1002038-15

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001063

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036	U	02/22/10 20:32
7440-38-2	Arsenic, SPLP	0.0010	mg/L	1	0.0010	0.00038	U	02/22/10 20:32
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 20:32
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 20:32
7440-47-3	Chromium, SPLP	0.00078	mg/L	1	0.0050	0.00046	J	02/10/10 16:32
7440-48-4	Cobalt, SPLP	0.0010	mg/L	1	0.0010	0.000042	U	02/10/10 16:32
7440-50-8	Copper, SPLP	0.0020	mg/L	1	0.0020	0.00071	U	02/22/10 20:32
7439-92-1	Lead, SPLP	0.0010	mg/L	1	0.0010	0.00022	U	02/22/10 20:32
7782-49-2	Selenium, SPLP	0.00083	mg/L	1	0.0020	0.00082	J	02/22/10 20:32
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 20:32
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 20:32
7440-62-2	Vanadium, SPLP	0.00087	mg/L	1	0.0010	0.00028	J	02/22/10 20:32
7440-66-6	Zinc, SPLP	0.0043	mg/L	1	0.050	0.0029	J	02/22/10 20:32

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-DR-012110-1049

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 11:20
Solids: 0.00
Laboratory ID: 1002038-16

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001063

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036	U	02/22/10 20:35
7440-38-2	Arsenic, SPLP	0.0053	mg/L	1	0.0010	0.00038		02/22/10 20:35
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 20:35
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 20:35
7440-47-3	Chromium, SPLP	0.00098	mg/L	1	0.0050	0.00046	J	02/10/10 16:34
7440-48-4	Cobalt, SPLP	0.00014	mg/L	1	0.0010	0.000042	J	02/10/10 16:34
7440-50-8	Copper, SPLP	0.0014	mg/L	1	0.0020	0.00071	J	02/22/10 20:35
7439-92-1	Lead, SPLP	0.0050	mg/L	1	0.0010	0.00022		02/22/10 20:35
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/10/10 16:34
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 20:35
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 20:35
7440-62-2	Vanadium, SPLP	0.0030	mg/L	1	0.0010	0.00028		02/22/10 20:35
7440-66-6	Zinc, SPLP	0.0052	mg/L	1	0.050	0.0029	J	02/22/10 20:35

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

SD-SO-56394-DR-012110-1049

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 11:25
Solids: 0.00
Laboratory ID: 1002038-17

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001063

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036	U	02/22/10 20:39
7440-38-2	Arsenic, SPLP	0.0065	mg/L	1	0.0010	0.00038		02/22/10 20:39
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 20:39
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 20:39
7440-47-3	Chromium, SPLP	0.00085	mg/L	1	0.0050	0.00046	J	02/10/10 16:37
7440-48-4	Cobalt, SPLP	0.00012	mg/L	1	0.0010	0.000042	J	02/10/10 16:37
7440-50-8	Copper, SPLP	0.0012	mg/L	1	0.0020	0.00071	J	02/22/10 20:39
7439-92-1	Lead, SPLP	0.0053	mg/L	1	0.0010	0.00022		02/22/10 20:39
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/10/10 16:37
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 20:39
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 20:39
7440-62-2	Vanadium, SPLP	0.0031	mg/L	1	0.0010	0.00028		02/22/10 20:39
7440-66-6	Zinc, SPLP	0.0072	mg/L	1	0.050	0.0029	J	02/22/10 20:39

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-DR-012110-1050

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 13:40
Solids: 0.00
Laboratory ID: 1002038-18

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001063

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.00042	mg/L	1	0.0010	0.00036	J	02/22/10 20:55
7440-38-2	Arsenic, SPLP	0.0019	mg/L	1	0.0010	0.00038		02/22/10 20:55
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 20:55
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 20:55
7440-47-3	Chromium, SPLP	0.00073	mg/L	1	0.0050	0.00046	J	02/10/10 16:40
7440-48-4	Cobalt, SPLP	0.000082	mg/L	1	0.0010	0.000042	J	02/10/10 16:40
7440-50-8	Copper, SPLP	0.00092	mg/L	1	0.0020	0.00071	J	02/22/10 20:55
7439-92-1	Lead, SPLP	0.00070	mg/L	1	0.0010	0.00022	J	02/22/10 20:55
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/10/10 16:40
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 20:55
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 20:55
7440-62-2	Vanadium, SPLP	0.0030	mg/L	1	0.0010	0.00028		02/22/10 20:55
7440-66-6	Zinc, SPLP	0.0051	mg/L	1	0.050	0.0029	J	02/22/10 20:55

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012010-105

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 16:30
Solids: 0.00
Laboratory ID: 1002038-19

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001063

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036	U	02/22/10 20:58
7440-38-2	Arsenic, SPLP	0.0012	mg/L	1	0.0010	0.00038		02/22/10 20:58
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 20:58
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 20:58
7440-47-3	Chromium, SPLP	0.0017	mg/L	1	0.0050	0.00046	J	02/10/10 16:49
7440-48-4	Cobalt, SPLP	0.00032	mg/L	1	0.0010	0.000042	J	02/10/10 16:49
7440-50-8	Copper, SPLP	0.0012	mg/L	1	0.0020	0.00071	J	02/22/10 20:58
7439-92-1	Lead, SPLP	0.0012	mg/L	1	0.0010	0.00022		02/22/10 20:58
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/10/10 16:49
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 20:58
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 20:58
7440-62-2	Vanadium, SPLP	0.0020	mg/L	1	0.0010	0.00028		02/22/10 20:58
7440-66-6	Zinc, SPLP	0.0067	mg/L	1	0.050	0.0029	J	02/22/10 20:58

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012110-107

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 09:00
Solids: 0.00
Laboratory ID: 1002038-20

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001063

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036	U	02/22/10 21:02
7440-38-2	Arsenic, SPLP	0.00077	mg/L	1	0.0010	0.00038	J	02/22/10 21:02
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 21:02
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 21:02
7440-47-3	Chromium, SPLP	0.0013	mg/L	1	0.0050	0.00046	J	02/10/10 16:52
7440-48-4	Cobalt, SPLP	0.00016	mg/L	1	0.0010	0.000042	J	02/10/10 16:52
7440-50-8	Copper, SPLP	0.00086	mg/L	1	0.0020	0.00071	J	02/22/10 21:02
7439-92-1	Lead, SPLP	0.00029	mg/L	1	0.0010	0.00022	J	02/22/10 21:02
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/22/10 21:02
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 21:02
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 21:02
7440-62-2	Vanadium, SPLP	0.00089	mg/L	1	0.0010	0.00028	J	02/22/10 21:02
7440-66-6	Zinc, SPLP	0.0045	mg/L	1	0.050	0.0029	J	02/22/10 21:02

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012110-109

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 10:00
Solids: 0.00
Laboratory ID: 1002038-21

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001063

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036	U	02/22/10 21:05
7440-38-2	Arsenic, SPLP	0.0021	mg/L	1	0.0010	0.00038		02/22/10 21:05
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 21:05
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 21:05
7440-47-3	Chromium, SPLP	0.0049	mg/L	1	0.0050	0.00046	J	02/10/10 16:55
7440-48-4	Cobalt, SPLP	0.00046	mg/L	1	0.0010	0.000042	J	02/10/10 16:55
7440-50-8	Copper, SPLP	0.0044	mg/L	1	0.0020	0.00071		02/22/10 21:05
7439-92-1	Lead, SPLP	0.014	mg/L	1	0.0010	0.00022		02/22/10 21:05
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/22/10 21:05
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/10/10 16:55
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 21:05
7440-62-2	Vanadium, SPLP	0.0032	mg/L	1	0.0010	0.00028		02/22/10 21:05
7440-66-6	Zinc, SPLP	0.018	mg/L	1	0.050	0.0029	J	02/22/10 21:05

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012110-114

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 11:20
Solids: 0.00
Laboratory ID: 1002038-22

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001063

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036	U	02/22/10 21:09
7440-38-2	Arsenic, SPLP	0.0015	mg/L	1	0.0010	0.00038		02/22/10 21:09
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 21:09
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 21:09
7440-47-3	Chromium, SPLP	0.0024	mg/L	1	0.0050	0.00046	J	02/10/10 16:57
7440-48-4	Cobalt, SPLP	0.00042	mg/L	1	0.0010	0.000042	J	02/10/10 16:57
7440-50-8	Copper, SPLP	0.0027	mg/L	1	0.0020	0.00071		02/22/10 21:09
7439-92-1	Lead, SPLP	0.0015	mg/L	1	0.0010	0.00022		02/22/10 21:09
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/22/10 21:09
7440-22-4	Silver, SPLP	0.000064	mg/L	1	0.00020	0.000061	J	02/22/10 21:09
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 21:09
7440-62-2	Vanadium, SPLP	0.0037	mg/L	1	0.0010	0.00028		02/22/10 21:09
7440-66-6	Zinc, SPLP	0.011	mg/L	1	0.050	0.0029	J	02/22/10 21:09

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012110-116

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 13:10
Solids: 0.00
Laboratory ID: 1002038-23

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001063

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.00080	mg/L	1	0.0010	0.00036	J	02/22/10 21:12
7440-38-2	Arsenic, SPLP	0.0029	mg/L	1	0.0010	0.00038		02/22/10 21:12
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 21:12
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 21:12
7440-47-3	Chromium, SPLP	0.011	mg/L	1	0.0050	0.00046		02/10/10 17:00
7440-48-4	Cobalt, SPLP	0.00046	mg/L	1	0.0010	0.000042	J	02/10/10 17:00
7440-50-8	Copper, SPLP	0.0064	mg/L	1	0.0020	0.00071		02/22/10 21:12
7439-92-1	Lead, SPLP	0.0021	mg/L	1	0.0010	0.00022		02/22/10 21:12
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/10/10 17:00
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/10/10 17:00
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 21:12
7440-62-2	Vanadium, SPLP	0.00099	mg/L	1	0.0010	0.00028	J	02/22/10 21:12
7440-66-6	Zinc, SPLP	0.0052	mg/L	1	0.050	0.0029	J	02/22/10 21:12

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-012110-118

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 14:10
Solids: 0.00
Laboratory ID: 1002038-24

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/08/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001063

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0038	mg/L	1	0.0010	0.00036		02/22/10 21:16
7440-38-2	Arsenic, SPLP	0.0060	mg/L	1	0.0010	0.00038		02/22/10 21:16
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/22/10 21:16
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 21:16
7440-47-3	Chromium, SPLP	0.012	mg/L	1	0.0050	0.00046		02/10/10 17:03
7440-48-4	Cobalt, SPLP	0.00077	mg/L	1	0.0010	0.000042	J	02/10/10 17:03
7440-50-8	Copper, SPLP	0.0069	mg/L	1	0.0020	0.00071		02/22/10 21:16
7439-92-1	Lead, SPLP	0.026	mg/L	1	0.0010	0.00022		02/22/10 21:16
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/10/10 17:03
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/10/10 17:03
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 21:16
7440-62-2	Vanadium, SPLP	0.0021	mg/L	1	0.0010	0.00028		02/22/10 21:16
7440-66-6	Zinc, SPLP	0.014	mg/L	1	0.050	0.0029	J	02/22/10 21:16

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B10035

SDG: PM011810B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B11023

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B10035-CAL1	0b10035-001	02/10/10 14:14
Cal Standard	0B10035-CAL2	0b10035-002	02/10/10 14:18
Cal Standard	0B10035-CAL3	0b10035-003	02/10/10 14:21
Cal Standard	0B10035-CAL4	0b10035-004	02/10/10 14:24
Cal Standard	0B10035-CAL5	0b10035-005	02/10/10 14:27
Cal Standard	0B10035-CAL6	0b10035-006	02/10/10 14:31
Cal Standard	0B10035-CAL7	0b10035-007	02/10/10 14:34
Cal Standard	0B10035-CAL8	0b10035-008	02/10/10 14:37
Secondary Cal Check	0B10035-SCV1	0b10035-009	02/10/10 14:41
Calibration Check	0B10035-CCV1	0b10035-009	02/10/10 14:41
Calibration Blank	0B10035-CCB1	0b10035-010	02/10/10 14:44
MRL Check	0B10035-CRL1	0b10035-011	02/10/10 14:47
MRL Check	0B10035-CRL2	0b10035-012	02/10/10 14:50
Interference Check A	0B10035-IFA1	0b10035-013	02/10/10 14:54
Interference Check B	0B10035-IFB1	0b10035-014	02/10/10 14:57
Calibration Check	0B10035-CCV2	0b10035-015	02/10/10 15:00
Calibration Blank	0B10035-CCB2	0b10035-016	02/10/10 15:03
Blank	1001061-BLK1	0b10035-017	02/10/10 15:07
LCS	1001061-BS1	0b10035-018	02/10/10 15:09
S-SO-56394-CB-011810-062	1002038-01	0b10035-019	02/10/10 15:12
S-SO-56394-CB-011810-062	1002038-01	0b10035-019	02/10/10 15:12
S-SO-56394-CB-011810-062	1002038-01	0b10035-019	02/10/10 15:12
S-SO-56394-CB-011810-072	1002038-02	0b10035-020	02/10/10 15:15
S-SO-56394-CB-011810-072	1002038-02	0b10035-020	02/10/10 15:15
S-SO-56394-CB-011810-072	1002038-02	0b10035-020	02/10/10 15:15
S-SO-56394-CB-011810-072	1002038-02	0b10035-020	02/10/10 15:15
S-SO-56394-CB-011810-057	1002038-03	0b10035-021	02/10/10 15:18
S-SO-56394-CB-011810-057	1002038-03	0b10035-021	02/10/10 15:18
S-SO-56394-DR-011910-1024	1002038-04	0b10035-022	02/10/10 15:20
S-SO-56394-DR-011910-1024	1002038-04	0b10035-022	02/10/10 15:20
S-SO-56394-CB-011910-077	1002038-05	0b10035-023	02/10/10 15:23
S-SO-56394-CB-011910-077	1002038-05	0b10035-023	02/10/10 15:23

: 00252

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B10035

SDG: PM011810B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B11023

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-011910-077	1002038-05	0b10035-023	02/10/10 15:23
SD-SO-56394-CB-011910-077	1002038-06	0b10035-024	02/10/10 15:26
SD-SO-56394-CB-011910-077	1002038-06	0b10035-024	02/10/10 15:26
SD-SO-56394-CB-011910-077	1002038-06	0b10035-024	02/10/10 15:26
S-SO-56394-CB-011910-081	1002038-07	0b10035-025	02/10/10 15:29
S-SO-56394-CB-011910-081	1002038-07	0b10035-025	02/10/10 15:29
S-SO-56394-CB-011910-086	1002038-08	0b10035-026	02/10/10 15:32
S-SO-56394-CB-011910-086	1002038-08	0b10035-026	02/10/10 15:32
S-SO-56394-CB-011910-086	1002038-08	0b10035-026	02/10/10 15:32
S-SO-56394-CB-011910-086	1002038-08	0b10035-026	02/10/10 15:32
Calibration Check	0B10035-CCV3	0b10035-027	02/10/10 15:34
Calibration Blank	0B10035-CCB3	0b10035-028	02/10/10 15:38
S-SO-56394-CB-011910-090	1002038-09	0b10035-029	02/10/10 15:41
S-SO-56394-CB-011910-090	1002038-09	0b10035-029	02/10/10 15:41
S-SO-56394-CB-012010-094	1002038-10	0b10035-030	02/10/10 15:44
S-SO-56394-CB-012010-094	1002038-10	0b10035-030	02/10/10 15:44
S-SO-56394-CB-012010-099	1002038-11	0b10035-031	02/10/10 15:46
S-SO-56394-CB-012010-099	1002038-11	0b10035-031	02/10/10 15:46
S-SO-56394-DR-012010-1031	1002038-12	0b10035-032	02/10/10 15:49
S-SO-56394-DR-012010-1031	1002038-12	0b10035-032	02/10/10 15:49
S-SO-56394-DR-012010-1031	1002038-12	0b10035-032	02/10/10 15:49
S-SO-56394-DR-012010-1031	1002038-12	0b10035-032	02/10/10 15:49
S-SO-56394-DR-012010-1031	1001061-MS1	0b10035-033	02/10/10 15:52
S-SO-56394-DR-012010-1031	1001061-MSD1	0b10035-034	02/10/10 15:55
S-SO-56394-DR-012010-1031	0B10035-SRD1	0b10035-035	02/10/10 15:57
S-SO-56394-DR-012010-1031	1001061-PS1	0b10035-036	02/10/10 16:00
S-SO-56394-DR-012010-1035	1002038-13	0b10035-037	02/10/10 16:03
S-SO-56394-DR-012010-1035	1002038-13	0b10035-037	02/10/10 16:03
Blank	1001063-BLK1	0b10035-038	02/10/10 16:06
Calibration Check	0B10035-CCV4	0b10035-039	02/10/10 16:08
Calibration Blank	0B10035-CCB4	0b10035-040	02/10/10 16:12
LCS	1001063-BS1	0b10035-041	02/10/10 16:15

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B10035

SDG: PM011810B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B11023

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-DR-012010-1038	1002038-14	0b10035-042	02/10/10 16:18
S-SO-56394-DR-012010-1038	1002038-14	0b10035-042	02/10/10 16:18
S-SO-56394-DR-012010-1038	1002038-14	0b10035-042	02/10/10 16:18
S-SO-56394-DR-012010-1038	1002038-14	0b10035-042	02/10/10 16:18
S-SO-56394-DR-012010-1038	1001063-MS1	0b10035-043	02/10/10 16:20
S-SO-56394-DR-012010-1038	1001063-MSD1	0b10035-044	02/10/10 16:23
S-SO-56394-DR-012010-1038	0B10035-SRD2	0b10035-045	02/10/10 16:26
S-SO-56394-DR-012010-1038	1001063-PS1	0b10035-046	02/10/10 16:29
S-SO-56394-DR-012110-1045	1002038-15	0b10035-047	02/10/10 16:32
S-SO-56394-DR-012110-1045	1002038-15	0b10035-047	02/10/10 16:32
S-SO-56394-DR-012110-1049	1002038-16	0b10035-048	02/10/10 16:34
S-SO-56394-DR-012110-1049	1002038-16	0b10035-048	02/10/10 16:34
S-SO-56394-DR-012110-1049	1002038-16	0b10035-048	02/10/10 16:34
SD-SO-56394-DR-012110-1049	1002038-17	0b10035-049	02/10/10 16:37
SD-SO-56394-DR-012110-1049	1002038-17	0b10035-049	02/10/10 16:37
SD-SO-56394-DR-012110-1049	1002038-17	0b10035-049	02/10/10 16:37
S-SO-56394-DR-012110-1050	1002038-18	0b10035-050	02/10/10 16:40
S-SO-56394-DR-012110-1050	1002038-18	0b10035-050	02/10/10 16:40
S-SO-56394-DR-012110-1050	1002038-18	0b10035-050	02/10/10 16:40
Calibration Check	0B10035-CCV5	0b10035-051	02/10/10 16:43
Calibration Blank	0B10035-CCB5	0b10035-052	02/10/10 16:46
S-SO-56394-CB-012010-105	1002038-19	0b10035-053	02/10/10 16:49
S-SO-56394-CB-012010-105	1002038-19	0b10035-053	02/10/10 16:49
S-SO-56394-CB-012010-105	1002038-19	0b10035-053	02/10/10 16:49
S-SO-56394-CB-012110-107	1002038-20	0b10035-054	02/10/10 16:52
S-SO-56394-CB-012110-107	1002038-20	0b10035-054	02/10/10 16:52
S-SO-56394-CB-012110-109	1002038-21	0b10035-055	02/10/10 16:55
S-SO-56394-CB-012110-109	1002038-21	0b10035-055	02/10/10 16:55
S-SO-56394-CB-012110-109	1002038-21	0b10035-055	02/10/10 16:55
S-SO-56394-CB-012110-114	1002038-22	0b10035-056	02/10/10 16:57
S-SO-56394-CB-012110-114	1002038-22	0b10035-056	02/10/10 16:57
S-SO-56394-CB-012110-116	1002038-23	0b10035-057	02/10/10 17:00

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B10035

SDG: PM011810B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B11023

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012110-116	1002038-23	0b10035-057	02/10/10 17:00
S-SO-56394-CB-012110-116	1002038-23	0b10035-057	02/10/10 17:00
S-SO-56394-CB-012110-116	1002038-23	0b10035-057	02/10/10 17:00
S-SO-56394-CB-012110-118	1002038-24	0b10035-058	02/10/10 17:03
S-SO-56394-CB-012110-118	1002038-24	0b10035-058	02/10/10 17:03
S-SO-56394-CB-012110-118	1002038-24	0b10035-058	02/10/10 17:03
S-SO-56394-CB-012110-118	1002038-24	0b10035-058	02/10/10 17:03
Calibration Check	0B10035-CCV6	0b10035-059	02/10/10 17:06
Calibration Blank	0B10035-CCB6	0b10035-060	02/10/10 17:09

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM011810B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B23006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B22027-CAL1	0b22027-001	02/22/10 13:31
Cal Standard	0B22027-CAL2	0b22027-002	02/22/10 13:35
Cal Standard	0B22027-CAL3	0b22027-003	02/22/10 13:39
Cal Standard	0B22027-CAL4	0b22027-004	02/22/10 13:43
Cal Standard	0B22027-CAL5	0b22027-005	02/22/10 13:47
Cal Standard	0B22027-CAL6	0b22027-006	02/22/10 13:51
Cal Standard	0B22027-CAL7	0b22027-007	02/22/10 13:55
Cal Standard	0B22027-CAL8	0b22027-008	02/22/10 13:59
Secondary Cal Check	0B22027-SCV1	0b22027-009	02/22/10 14:03
Calibration Check	0B22027-CCV1	0b22027-009	02/22/10 14:03
Calibration Blank	0B22027-CCB1	0b22027-010	02/22/10 14:12
MRL Check	0B22027-CRL1	0b22027-011	02/22/10 14:16
MRL Check	0B22027-CRL2	0b22027-012	02/22/10 14:20
Interference Check A	0B22027-IFA1	0b22027-013	02/22/10 14:24
Interference Check B	0B22027-IFB1	0b22027-014	02/22/10 14:28
Calibration Check	0B22027-CCV2	0b22027-015	02/22/10 14:32
Calibration Blank	0B22027-CCB2	0b22027-016	02/22/10 14:40
Serial Dilution	0B22027-SRD1	0b22027-022	02/22/10 15:07
Calibration Check	0B22027-CCV3	0b22027-027	02/22/10 15:29
Calibration Blank	0B22027-CCB3	0b22027-028	02/22/10 15:37
Serial Dilution	0B22027-SRD2	0b22027-035	02/22/10 16:02
Calibration Check	0B22027-CCV4	0b22027-039	02/22/10 16:21
Calibration Blank	0B22027-CCB4	0b22027-040	02/22/10 16:30
Calibration Check	0B22027-CCV5	0b22027-043	02/22/10 16:41
Calibration Blank	0B22027-CCB5	0b22027-044	02/22/10 16:49
Blank	1001061-BLK2	0b22027-045	02/22/10 17:55
LCS	1001061-BS2	0b22027-046	02/22/10 17:58
S-SO-56394-CB-011810-062	1002038-01	0b22027-047	02/22/10 18:07
S-SO-56394-CB-011810-062	1002038-01	0b22027-047	02/22/10 18:07
S-SO-56394-CB-011810-062	1002038-01	0b22027-047	02/22/10 18:07
S-SO-56394-CB-011810-062	1002038-01	0b22027-047	02/22/10 18:07
S-SO-56394-CB-011810-062	1002038-01	0b22027-047	02/22/10 18:07

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM011810B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B23006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-011810-062	1002038-01	0b22027-047	02/22/10 18:07
S-SO-56394-CB-011810-062	1002038-01	0b22027-047	02/22/10 18:07
S-SO-56394-CB-011810-062	1002038-01	0b22027-047	02/22/10 18:07
S-SO-56394-CB-011810-062	1002038-01	0b22027-047	02/22/10 18:07
S-SO-56394-CB-011810-062	1002038-01	0b22027-047	02/22/10 18:07
S-SO-56394-CB-011810-072	1002038-02	0b22027-048	02/22/10 18:10
S-SO-56394-CB-011810-072	1002038-02	0b22027-048	02/22/10 18:10
S-SO-56394-CB-011810-072	1002038-02	0b22027-048	02/22/10 18:10
S-SO-56394-CB-011810-072	1002038-02	0b22027-048	02/22/10 18:10
S-SO-56394-CB-011810-072	1002038-02	0b22027-048	02/22/10 18:10
S-SO-56394-CB-011810-072	1002038-02	0b22027-048	02/22/10 18:10
S-SO-56394-CB-011810-072	1002038-02	0b22027-048	02/22/10 18:10
S-SO-56394-CB-011810-072	1002038-02	0b22027-048	02/22/10 18:10
S-SO-56394-CB-011810-072	1002038-02	0b22027-048	02/22/10 18:10
S-SO-56394-CB-011810-057	1002038-03	0b22027-049	02/22/10 18:14
S-SO-56394-CB-011810-057	1002038-03	0b22027-049	02/22/10 18:14
S-SO-56394-CB-011810-057	1002038-03	0b22027-049	02/22/10 18:14
S-SO-56394-CB-011810-057	1002038-03	0b22027-049	02/22/10 18:14
S-SO-56394-CB-011810-057	1002038-03	0b22027-049	02/22/10 18:14
S-SO-56394-CB-011810-057	1002038-03	0b22027-049	02/22/10 18:14
S-SO-56394-CB-011810-057	1002038-03	0b22027-049	02/22/10 18:14
S-SO-56394-CB-011810-057	1002038-03	0b22027-049	02/22/10 18:14
S-SO-56394-CB-011810-057	1002038-03	0b22027-049	02/22/10 18:14
S-SO-56394-DR-011910-1024	1002038-04	0b22027-050	02/22/10 18:17
S-SO-56394-DR-011910-1024	1002038-04	0b22027-050	02/22/10 18:17
S-SO-56394-DR-011910-1024	1002038-04	0b22027-050	02/22/10 18:17
S-SO-56394-DR-011910-1024	1002038-04	0b22027-050	02/22/10 18:17
S-SO-56394-DR-011910-1024	1002038-04	0b22027-050	02/22/10 18:17
S-SO-56394-DR-011910-1024	1002038-04	0b22027-050	02/22/10 18:17
S-SO-56394-DR-011910-1024	1002038-04	0b22027-050	02/22/10 18:17

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B22027
Instrument: 114
Calibration: 0B23006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-DR-011910-1024	1002038-04	0b22027-050	02/22/10 18:17
S-SO-56394-DR-011910-1024	1002038-04	0b22027-050	02/22/10 18:17
S-SO-56394-DR-011910-1024	1002038-04	0b22027-050	02/22/10 18:17
S-SO-56394-DR-011910-1024	1002038-04	0b22027-050	02/22/10 18:17
S-SO-56394-CB-011910-077	1002038-05	0b22027-051	02/22/10 18:21
S-SO-56394-CB-011910-077	1002038-05	0b22027-051	02/22/10 18:21
S-SO-56394-CB-011910-077	1002038-05	0b22027-051	02/22/10 18:21
S-SO-56394-CB-011910-077	1002038-05	0b22027-051	02/22/10 18:21
S-SO-56394-CB-011910-077	1002038-05	0b22027-051	02/22/10 18:21
S-SO-56394-CB-011910-077	1002038-05	0b22027-051	02/22/10 18:21
S-SO-56394-CB-011910-077	1002038-05	0b22027-051	02/22/10 18:21
S-SO-56394-CB-011910-077	1002038-05	0b22027-051	02/22/10 18:21
S-SO-56394-CB-011910-077	1002038-05	0b22027-051	02/22/10 18:21
S-SO-56394-CB-011910-077	1002038-05	0b22027-051	02/22/10 18:21
SD-SO-56394-CB-011910-077	1002038-06	0b22027-052	02/22/10 18:24
SD-SO-56394-CB-011910-077	1002038-06	0b22027-052	02/22/10 18:24
SD-SO-56394-CB-011910-077	1002038-06	0b22027-052	02/22/10 18:24
SD-SO-56394-CB-011910-077	1002038-06	0b22027-052	02/22/10 18:24
SD-SO-56394-CB-011910-077	1002038-06	0b22027-052	02/22/10 18:24
SD-SO-56394-CB-011910-077	1002038-06	0b22027-052	02/22/10 18:24
SD-SO-56394-CB-011910-077	1002038-06	0b22027-052	02/22/10 18:24
SD-SO-56394-CB-011910-077	1002038-06	0b22027-052	02/22/10 18:24
SD-SO-56394-CB-011910-077	1002038-06	0b22027-052	02/22/10 18:24
S-SO-56394-CB-011910-081	1002038-07	0b22027-053	02/22/10 18:28
S-SO-56394-CB-011910-081	1002038-07	0b22027-053	02/22/10 18:28
S-SO-56394-CB-011910-081	1002038-07	0b22027-053	02/22/10 18:28
S-SO-56394-CB-011910-081	1002038-07	0b22027-053	02/22/10 18:28
S-SO-56394-CB-011910-081	1002038-07	0b22027-053	02/22/10 18:28
S-SO-56394-CB-011910-081	1002038-07	0b22027-053	02/22/10 18:28
S-SO-56394-CB-011910-081	1002038-07	0b22027-053	02/22/10 18:28

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM011810B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B23006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-011910-081	1002038-07	0b22027-053	02/22/10 18:28
S-SO-56394-CB-011910-081	1002038-07	0b22027-053	02/22/10 18:28
S-SO-56394-CB-011910-081	1002038-07	0b22027-053	02/22/10 18:28
S-SO-56394-CB-011910-086	1002038-08	0b22027-054	02/22/10 18:31
S-SO-56394-CB-011910-086	1002038-08	0b22027-054	02/22/10 18:31
S-SO-56394-CB-011910-086	1002038-08	0b22027-054	02/22/10 18:31
S-SO-56394-CB-011910-086	1002038-08	0b22027-054	02/22/10 18:31
S-SO-56394-CB-011910-086	1002038-08	0b22027-054	02/22/10 18:31
S-SO-56394-CB-011910-086	1002038-08	0b22027-054	02/22/10 18:31
S-SO-56394-CB-011910-086	1002038-08	0b22027-054	02/22/10 18:31
S-SO-56394-CB-011910-086	1002038-08	0b22027-054	02/22/10 18:31
S-SO-56394-CB-011910-086	1002038-08	0b22027-054	02/22/10 18:31
Calibration Check	0B22027-CCV6	0b22027-055	02/22/10 18:35
Calibration Blank	0B22027-CCB6	0b22027-056	02/22/10 18:43
S-SO-56394-CB-011910-090	1002038-09	0b22027-057	02/22/10 18:47
S-SO-56394-CB-011910-090	1002038-09	0b22027-057	02/22/10 18:47
S-SO-56394-CB-011910-090	1002038-09	0b22027-057	02/22/10 18:47
S-SO-56394-CB-011910-090	1002038-09	0b22027-057	02/22/10 18:47
S-SO-56394-CB-011910-090	1002038-09	0b22027-057	02/22/10 18:47
S-SO-56394-CB-011910-090	1002038-09	0b22027-057	02/22/10 18:47
S-SO-56394-CB-011910-090	1002038-09	0b22027-057	02/22/10 18:47
S-SO-56394-CB-011910-090	1002038-09	0b22027-057	02/22/10 18:47
S-SO-56394-CB-011910-090	1002038-09	0b22027-057	02/22/10 18:47
S-SO-56394-CB-011910-090	1002038-09	0b22027-057	02/22/10 18:47
S-SO-56394-CB-012010-094	1002038-10	0b22027-058	02/22/10 18:50
S-SO-56394-CB-012010-094	1002038-10	0b22027-058	02/22/10 18:50
S-SO-56394-CB-012010-094	1002038-10	0b22027-058	02/22/10 18:50
S-SO-56394-CB-012010-094	1002038-10	0b22027-058	02/22/10 18:50
S-SO-56394-CB-012010-094	1002038-10	0b22027-058	02/22/10 18:50
S-SO-56394-CB-012010-094	1002038-10	0b22027-058	02/22/10 18:50
S-SO-56394-CB-012010-094	1002038-10	0b22027-058	02/22/10 18:50

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM011810B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B23006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012010-094	1002038-10	0b22027-058	02/22/10 18:50
S-SO-56394-CB-012010-094	1002038-10	0b22027-058	02/22/10 18:50
S-SO-56394-CB-012010-094	1002038-10	0b22027-058	02/22/10 18:50
S-SO-56394-CB-012010-094	1002038-10	0b22027-058	02/22/10 18:50
S-SO-56394-CB-012010-099	1002038-11	0b22027-059	02/22/10 18:54
S-SO-56394-CB-012010-099	1002038-11	0b22027-059	02/22/10 18:54
S-SO-56394-CB-012010-099	1002038-11	0b22027-059	02/22/10 18:54
S-SO-56394-CB-012010-099	1002038-11	0b22027-059	02/22/10 18:54
S-SO-56394-CB-012010-099	1002038-11	0b22027-059	02/22/10 18:54
S-SO-56394-CB-012010-099	1002038-11	0b22027-059	02/22/10 18:54
S-SO-56394-CB-012010-099	1002038-11	0b22027-059	02/22/10 18:54
S-SO-56394-CB-012010-099	1002038-11	0b22027-059	02/22/10 18:54
S-SO-56394-CB-012010-099	1002038-11	0b22027-059	02/22/10 18:54
S-SO-56394-CB-012010-099	1002038-11	0b22027-059	02/22/10 18:54
S-SO-56394-CB-012010-099	1002038-11	0b22027-059	02/22/10 18:54
S-SO-56394-DR-012010-1031	1002038-12	0b22027-060	02/22/10 18:57
S-SO-56394-DR-012010-1031	1002038-12	0b22027-060	02/22/10 18:57
S-SO-56394-DR-012010-1031	1002038-12	0b22027-060	02/22/10 18:57
S-SO-56394-DR-012010-1031	1002038-12	0b22027-060	02/22/10 18:57
S-SO-56394-DR-012010-1031	1002038-12	0b22027-060	02/22/10 18:57
S-SO-56394-DR-012010-1031	1002038-12	0b22027-060	02/22/10 18:57
S-SO-56394-DR-012010-1031	1002038-12	0b22027-060	02/22/10 18:57
S-SO-56394-DR-012010-1031	1002038-12	0b22027-060	02/22/10 18:57
S-SO-56394-DR-012010-1031	1001061-MS2	0b22027-061	02/22/10 19:01
S-SO-56394-DR-012010-1031	1001061-MSD2	0b22027-062	02/22/10 19:09
S-SO-56394-DR-012010-1031	0B22027-SRD3	0b22027-063	02/22/10 19:18
S-SO-56394-DR-012010-1031	1001061-PS2	0b22027-064	02/22/10 19:21
S-SO-56394-DR-012010-1035	1002038-13	0b22027-065	02/22/10 19:30
S-SO-56394-DR-012010-1035	1002038-13	0b22027-065	02/22/10 19:30
S-SO-56394-DR-012010-1035	1002038-13	0b22027-065	02/22/10 19:30
S-SO-56394-DR-012010-1035	1002038-13	0b22027-065	02/22/10 19:30

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM011810B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B23006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-DR-012010-1035	1002038-13	0b22027-065	02/22/10 19:30
S-SO-56394-DR-012010-1035	1002038-13	0b22027-065	02/22/10 19:30
S-SO-56394-DR-012010-1035	1002038-13	0b22027-065	02/22/10 19:30
S-SO-56394-DR-012010-1035	1002038-13	0b22027-065	02/22/10 19:30
S-SO-56394-DR-012010-1035	1002038-13	0b22027-065	02/22/10 19:30
S-SO-56394-DR-012010-1035	1002038-13	0b22027-065	02/22/10 19:30
S-SO-56394-DR-012010-1035	1002038-13	0b22027-065	02/22/10 19:30
Calibration Check	0B22027-CCV7	0b22027-066	02/22/10 19:33
Calibration Blank	0B22027-CCB7	0b22027-067	02/22/10 19:42
Blank	1001063-BLK2	0b22027-068	02/22/10 19:47
LCS	1001063-BS2	0b22027-069	02/22/10 19:51
S-SO-56394-DR-012010-1038	1002038-14	0b22027-070	02/22/10 19:59
S-SO-56394-DR-012010-1038	1002038-14	0b22027-070	02/22/10 19:59
S-SO-56394-DR-012010-1038	1002038-14	0b22027-070	02/22/10 19:59
S-SO-56394-DR-012010-1038	1002038-14	0b22027-070	02/22/10 19:59
S-SO-56394-DR-012010-1038	1002038-14	0b22027-070	02/22/10 19:59
S-SO-56394-DR-012010-1038	1002038-14	0b22027-070	02/22/10 19:59
S-SO-56394-DR-012010-1038	1002038-14	0b22027-070	02/22/10 19:59
S-SO-56394-DR-012010-1038	1002038-14	0b22027-070	02/22/10 19:59
S-SO-56394-DR-012010-1038	1002038-14	0b22027-070	02/22/10 19:59
S-SO-56394-DR-012010-1038	1001063-MS2	0b22027-071	02/22/10 20:03
S-SO-56394-DR-012010-1038	1001063-MSD2	0b22027-072	02/22/10 20:11
S-SO-56394-DR-012010-1038	0B22027-SRD4	0b22027-073	02/22/10 20:20
S-SO-56394-DR-012010-1038	1001063-PS2	0b22027-074	02/22/10 20:23
S-SO-56394-DR-012110-1045	1002038-15	0b22027-075	02/22/10 20:32
S-SO-56394-DR-012110-1045	1002038-15	0b22027-075	02/22/10 20:32
S-SO-56394-DR-012110-1045	1002038-15	0b22027-075	02/22/10 20:32
S-SO-56394-DR-012110-1045	1002038-15	0b22027-075	02/22/10 20:32
S-SO-56394-DR-012110-1045	1002038-15	0b22027-075	02/22/10 20:32
S-SO-56394-DR-012110-1045	1002038-15	0b22027-075	02/22/10 20:32
S-SO-56394-DR-012110-1045	1002038-15	0b22027-075	02/22/10 20:32

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM011810B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B23006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-DR-012110-1045	1002038-15	0b22027-075	02/22/10 20:32
S-SO-56394-DR-012110-1045	1002038-15	0b22027-075	02/22/10 20:32
S-SO-56394-DR-012110-1045	1002038-15	0b22027-075	02/22/10 20:32
S-SO-56394-DR-012110-1049	1002038-16	0b22027-076	02/22/10 20:35
S-SO-56394-DR-012110-1049	1002038-16	0b22027-076	02/22/10 20:35
S-SO-56394-DR-012110-1049	1002038-16	0b22027-076	02/22/10 20:35
S-SO-56394-DR-012110-1049	1002038-16	0b22027-076	02/22/10 20:35
S-SO-56394-DR-012110-1049	1002038-16	0b22027-076	02/22/10 20:35
S-SO-56394-DR-012110-1049	1002038-16	0b22027-076	02/22/10 20:35
S-SO-56394-DR-012110-1049	1002038-16	0b22027-076	02/22/10 20:35
S-SO-56394-DR-012110-1049	1002038-16	0b22027-076	02/22/10 20:35
S-SO-56394-DR-012110-1049	1002038-16	0b22027-076	02/22/10 20:35
S-SO-56394-DR-012110-1049	1002038-16	0b22027-076	02/22/10 20:35
SD-SO-56394-DR-012110-1049	1002038-17	0b22027-077	02/22/10 20:39
SD-SO-56394-DR-012110-1049	1002038-17	0b22027-077	02/22/10 20:39
SD-SO-56394-DR-012110-1049	1002038-17	0b22027-077	02/22/10 20:39
SD-SO-56394-DR-012110-1049	1002038-17	0b22027-077	02/22/10 20:39
SD-SO-56394-DR-012110-1049	1002038-17	0b22027-077	02/22/10 20:39
SD-SO-56394-DR-012110-1049	1002038-17	0b22027-077	02/22/10 20:39
SD-SO-56394-DR-012110-1049	1002038-17	0b22027-077	02/22/10 20:39
SD-SO-56394-DR-012110-1049	1002038-17	0b22027-077	02/22/10 20:39
SD-SO-56394-DR-012110-1049	1002038-17	0b22027-077	02/22/10 20:39
Calibration Check	0B22027-CCV8	0b22027-078	02/22/10 20:42
Calibration Blank	0B22027-CCB8	0b22027-079	02/22/10 20:51
S-SO-56394-DR-012110-1050	1002038-18	0b22027-080	02/22/10 20:55
S-SO-56394-DR-012110-1050	1002038-18	0b22027-080	02/22/10 20:55
S-SO-56394-DR-012110-1050	1002038-18	0b22027-080	02/22/10 20:55
S-SO-56394-DR-012110-1050	1002038-18	0b22027-080	02/22/10 20:55
S-SO-56394-DR-012110-1050	1002038-18	0b22027-080	02/22/10 20:55
S-SO-56394-DR-012110-1050	1002038-18	0b22027-080	02/22/10 20:55
S-SO-56394-DR-012110-1050	1002038-18	0b22027-080	02/22/10 20:55

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM011810B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B23006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-DR-012110-1050	1002038-18	0b22027-080	02/22/10 20:55
S-SO-56394-DR-012110-1050	1002038-18	0b22027-080	02/22/10 20:55
S-SO-56394-DR-012110-1050	1002038-18	0b22027-080	02/22/10 20:55
S-SO-56394-CB-012010-105	1002038-19	0b22027-081	02/22/10 20:58
S-SO-56394-CB-012010-105	1002038-19	0b22027-081	02/22/10 20:58
S-SO-56394-CB-012010-105	1002038-19	0b22027-081	02/22/10 20:58
S-SO-56394-CB-012010-105	1002038-19	0b22027-081	02/22/10 20:58
S-SO-56394-CB-012010-105	1002038-19	0b22027-081	02/22/10 20:58
S-SO-56394-CB-012010-105	1002038-19	0b22027-081	02/22/10 20:58
S-SO-56394-CB-012010-105	1002038-19	0b22027-081	02/22/10 20:58
S-SO-56394-CB-012010-105	1002038-19	0b22027-081	02/22/10 20:58
S-SO-56394-CB-012010-105	1002038-19	0b22027-081	02/22/10 20:58
S-SO-56394-CB-012010-105	1002038-19	0b22027-081	02/22/10 20:58
S-SO-56394-CB-012110-107	1002038-20	0b22027-082	02/22/10 21:02
S-SO-56394-CB-012110-107	1002038-20	0b22027-082	02/22/10 21:02
S-SO-56394-CB-012110-107	1002038-20	0b22027-082	02/22/10 21:02
S-SO-56394-CB-012110-107	1002038-20	0b22027-082	02/22/10 21:02
S-SO-56394-CB-012110-107	1002038-20	0b22027-082	02/22/10 21:02
S-SO-56394-CB-012110-107	1002038-20	0b22027-082	02/22/10 21:02
S-SO-56394-CB-012110-107	1002038-20	0b22027-082	02/22/10 21:02
S-SO-56394-CB-012110-107	1002038-20	0b22027-082	02/22/10 21:02
S-SO-56394-CB-012110-107	1002038-20	0b22027-082	02/22/10 21:02
S-SO-56394-CB-012110-107	1002038-20	0b22027-082	02/22/10 21:02
S-SO-56394-CB-012110-109	1002038-21	0b22027-083	02/22/10 21:05
S-SO-56394-CB-012110-109	1002038-21	0b22027-083	02/22/10 21:05
S-SO-56394-CB-012110-109	1002038-21	0b22027-083	02/22/10 21:05
S-SO-56394-CB-012110-109	1002038-21	0b22027-083	02/22/10 21:05
S-SO-56394-CB-012110-109	1002038-21	0b22027-083	02/22/10 21:05
S-SO-56394-CB-012110-109	1002038-21	0b22027-083	02/22/10 21:05
S-SO-56394-CB-012110-109	1002038-21	0b22027-083	02/22/10 21:05

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM011810B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B23006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012110-109	1002038-21	0b22027-083	02/22/10 21:05
S-SO-56394-CB-012110-109	1002038-21	0b22027-083	02/22/10 21:05
S-SO-56394-CB-012110-114	1002038-22	0b22027-084	02/22/10 21:09
S-SO-56394-CB-012110-114	1002038-22	0b22027-084	02/22/10 21:09
S-SO-56394-CB-012110-114	1002038-22	0b22027-084	02/22/10 21:09
S-SO-56394-CB-012110-114	1002038-22	0b22027-084	02/22/10 21:09
S-SO-56394-CB-012110-114	1002038-22	0b22027-084	02/22/10 21:09
S-SO-56394-CB-012110-114	1002038-22	0b22027-084	02/22/10 21:09
S-SO-56394-CB-012110-114	1002038-22	0b22027-084	02/22/10 21:09
S-SO-56394-CB-012110-114	1002038-22	0b22027-084	02/22/10 21:09
S-SO-56394-CB-012110-114	1002038-22	0b22027-084	02/22/10 21:09
S-SO-56394-CB-012110-114	1002038-22	0b22027-084	02/22/10 21:09
S-SO-56394-CB-012110-116	1002038-23	0b22027-085	02/22/10 21:12
S-SO-56394-CB-012110-116	1002038-23	0b22027-085	02/22/10 21:12
S-SO-56394-CB-012110-116	1002038-23	0b22027-085	02/22/10 21:12
S-SO-56394-CB-012110-116	1002038-23	0b22027-085	02/22/10 21:12
S-SO-56394-CB-012110-116	1002038-23	0b22027-085	02/22/10 21:12
S-SO-56394-CB-012110-116	1002038-23	0b22027-085	02/22/10 21:12
S-SO-56394-CB-012110-116	1002038-23	0b22027-085	02/22/10 21:12
S-SO-56394-CB-012110-116	1002038-23	0b22027-085	02/22/10 21:12
S-SO-56394-CB-012110-116	1002038-23	0b22027-085	02/22/10 21:12
S-SO-56394-CB-012110-118	1002038-24	0b22027-086	02/22/10 21:16
S-SO-56394-CB-012110-118	1002038-24	0b22027-086	02/22/10 21:16
S-SO-56394-CB-012110-118	1002038-24	0b22027-086	02/22/10 21:16
S-SO-56394-CB-012110-118	1002038-24	0b22027-086	02/22/10 21:16
S-SO-56394-CB-012110-118	1002038-24	0b22027-086	02/22/10 21:16
S-SO-56394-CB-012110-118	1002038-24	0b22027-086	02/22/10 21:16
S-SO-56394-CB-012110-118	1002038-24	0b22027-086	02/22/10 21:16
S-SO-56394-CB-012110-118	1002038-24	0b22027-086	02/22/10 21:16
S-SO-56394-CB-012110-118	1002038-24	0b22027-086	02/22/10 21:16
Calibration Check	0B22027-CCV9	0b22027-087	02/22/10 21:19

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B22027
Instrument: 114
Calibration: 0B23006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	0B22027-CCB9	0b22027-088	02/22/10 21:28
Calibration Check	0B22027-CCVA	0b22027-099	02/22/10 22:16
Calibration Blank	0B22027-CCBA	0b22027-100	02/22/10 22:24
Calibration Check	0B22027-CCVB	0b22027-111	02/22/10 23:00
Calibration Blank	0B22027-CCBB	0b22027-112	02/22/10 23:09
Serial Dilution	0B22027-SRD5	0b22027-115	02/22/10 23:24
Serial Dilution	0B22027-SRD6	0b22027-122	02/23/10 00:02
Calibration Check	0B22027-CCVC	0b22027-123	02/23/10 00:05
Calibration Blank	0B22027-CCBC	0b22027-124	02/23/10 00:14
Calibration Check	0B22027-CCVD	0b22027-131	02/23/10 00:42
Calibration Blank	0B22027-CCBD	0b22027-132	02/23/10 00:50

00265

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B10035
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0B11023

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B10035-CCV1	Chromium	40.0	38.3	96	ug/L	02/10/10 14:41
	Cobalt	40.0	39.3	98	ug/L	02/10/10 14:41
	Selenium	40.0	38.8	97	ug/L	02/10/10 14:41
	Silver	40.0	39.3	98	ug/L	02/10/10 14:41
0B10035-CCV2	Chromium	40.0	40.8	102	ug/L	02/10/10 15:00
	Cobalt	40.0	39.3	98	ug/L	02/10/10 15:00
	Selenium	40.0	38.8	97	ug/L	02/10/10 15:00
	Silver	40.0	39.3	98	ug/L	02/10/10 15:00
0B10035-CCV3	Chromium	40.0	40.6	102	ug/L	02/10/10 15:34
	Cobalt	40.0	39.2	98	ug/L	02/10/10 15:34
	Selenium	40.0	39.0	97	ug/L	02/10/10 15:34
	Silver	40.0	39.2	98	ug/L	02/10/10 15:34
0B10035-CCV4	Chromium	40.0	39.2	98	ug/L	02/10/10 16:08
	Cobalt	40.0	38.8	97	ug/L	02/10/10 16:08
	Selenium	40.0	37.7	94	ug/L	02/10/10 16:08
	Silver	40.0	39.4	99	ug/L	02/10/10 16:08
0B10035-CCV5	Chromium	40.0	39.6	99	ug/L	02/10/10 16:43
	Cobalt	40.0	39.6	99	ug/L	02/10/10 16:43
	Selenium	40.0	38.3	96	ug/L	02/10/10 16:43
	Silver	40.0	39.1	98	ug/L	02/10/10 16:43
0B10035-CCV6	Chromium	40.0	39.6	99	ug/L	02/10/10 17:06
	Cobalt	40.0	39.1	98	ug/L	02/10/10 17:06
	Selenium	40.0	38.2	95	ug/L	02/10/10 17:06
	Silver	40.0	38.7	97	ug/L	02/10/10 17:06

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B22027
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0B23006

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B22027-CCV1	Antimony	40.0	37.6	94	ug/L	02/22/10 14:03
	Arsenic	40.0	39.8	100	ug/L	02/22/10 14:03
	Beryllium	40.0	37.7	94	ug/L	02/22/10 14:03
	Cadmium	40.0	38.2	96	ug/L	02/22/10 14:03
	Copper	40.0	38.7	97	ug/L	02/22/10 14:03
	Lead	40.0	38.0	95	ug/L	02/22/10 14:03
	Selenium	40.0	38.0	95	ug/L	02/22/10 14:03
	Silver	40.0	38.9	97	ug/L	02/22/10 14:03
	Thallium	40.0	38.0	95	ug/L	02/22/10 14:03
	Vanadium	40.0	37.5	94	ug/L	02/22/10 14:03
	Zinc	40.0	38.9	97	ug/L	02/22/10 14:03
0B22027-CCV2	Antimony	40.0	37.2	93	ug/L	02/22/10 14:32
	Arsenic	40.0	39.4	99	ug/L	02/22/10 14:32
	Cadmium	40.0	37.2	93	ug/L	02/22/10 14:32
	Copper	40.0	38.7	97	ug/L	02/22/10 14:32
	Lead	40.0	38.1	95	ug/L	02/22/10 14:32
	Selenium	40.0	37.8	95	ug/L	02/22/10 14:32
	Silver	40.0	38.2	96	ug/L	02/22/10 14:32
	Thallium	40.0	38.3	96	ug/L	02/22/10 14:32
	Vanadium	40.0	37.0	93	ug/L	02/22/10 14:32
	Zinc	40.0	38.6	96	ug/L	02/22/10 14:32
0B22027-CCV3	Antimony	40.0	36.6	91	ug/L	02/22/10 15:29
	Arsenic	40.0	39.7	99	ug/L	02/22/10 15:29
	Cadmium	40.0	37.2	93	ug/L	02/22/10 15:29
	Copper	40.0	38.8	97	ug/L	02/22/10 15:29
	Lead	40.0	38.3	96	ug/L	02/22/10 15:29
	Selenium	40.0	38.0	95	ug/L	02/22/10 15:29
	Silver	40.0	38.3	96	ug/L	02/22/10 15:29
	Thallium	40.0	37.8	95	ug/L	02/22/10 15:29
	Vanadium	40.0	36.7	92	ug/L	02/22/10 15:29
	Zinc	40.0	38.3	96	ug/L	02/22/10 15:29
0B22027-CCV4	Antimony	40.0	35.8	90	ug/L	02/22/10 16:21
	Arsenic	40.0	38.5	96	ug/L	02/22/10 16:21
	Cadmium	40.0	37.0	93	ug/L	02/22/10 16:21
	Copper	40.0	38.9	97	ug/L	02/22/10 16:21
	Lead	40.0	38.0	95	ug/L	02/22/10 16:21
	Selenium	40.0	37.5	94	ug/L	02/22/10 16:21
	Silver	40.0	38.0	95	ug/L	02/22/10 16:21

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B22027
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0B23006

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B22027-CCV4	Thallium	40.0	37.8	95	ug/L	02/22/10 16:21
	Vanadium	40.0	36.7	92	ug/L	02/22/10 16:21
	Zinc	40.0	37.7	94	ug/L	02/22/10 16:21
0B22027-CCV5	Antimony	40.0	36.6	91	ug/L	02/22/10 16:41
	Arsenic	40.0	39.1	98	ug/L	02/22/10 16:41
	Beryllium	40.0	36.1	90	ug/L	02/22/10 16:41
	Cadmium	40.0	37.2	93	ug/L	02/22/10 16:41
	Copper	40.0	39.5	99	ug/L	02/22/10 16:41
	Lead	40.0	38.0	95	ug/L	02/22/10 16:41
	Selenium	40.0	37.7	94	ug/L	02/22/10 16:41
	Silver	40.0	38.1	95	ug/L	02/22/10 16:41
	Thallium	40.0	38.2	95	ug/L	02/22/10 16:41
	Vanadium	40.0	37.6	94	ug/L	02/22/10 16:41
	Zinc	40.0	38.6	96	ug/L	02/22/10 16:41
0B22027-CCV6	Antimony	40.0	36.3	91	ug/L	02/22/10 18:35
	Arsenic	40.0	39.0	97	ug/L	02/22/10 18:35
	Beryllium	40.0	36.5	91	ug/L	02/22/10 18:35
	Cadmium	40.0	37.7	94	ug/L	02/22/10 18:35
	Copper	40.0	38.8	97	ug/L	02/22/10 18:35
	Lead	40.0	38.1	95	ug/L	02/22/10 18:35
	Selenium	40.0	37.6	94	ug/L	02/22/10 18:35
	Silver	40.0	38.6	96	ug/L	02/22/10 18:35
	Thallium	40.0	38.5	96	ug/L	02/22/10 18:35
	Vanadium	40.0	37.0	93	ug/L	02/22/10 18:35
	Zinc	40.0	38.2	96	ug/L	02/22/10 18:35
0B22027-CCV7	Antimony	40.0	36.0	90	ug/L	02/22/10 19:33
	Arsenic	40.0	39.8	99	ug/L	02/22/10 19:33
	Beryllium	40.0	36.0	90	ug/L	02/22/10 19:33
	Cadmium	40.0	37.0	93	ug/L	02/22/10 19:33
	Copper	40.0	39.7	99	ug/L	02/22/10 19:33
	Lead	40.0	38.1	95	ug/L	02/22/10 19:33
	Selenium	40.0	38.5	96	ug/L	02/22/10 19:33
	Silver	40.0	38.2	95	ug/L	02/22/10 19:33
	Thallium	40.0	38.4	96	ug/L	02/22/10 19:33
	Vanadium	40.0	37.6	94	ug/L	02/22/10 19:33
	Zinc	40.0	38.6	97	ug/L	02/22/10 19:33
0B22027-CCV8	Antimony	40.0	36.5	91	ug/L	02/22/10 20:42
	Arsenic	40.0	39.5	99	ug/L	02/22/10 20:42

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027
Control Limt: +/- 10.00%

SDG: PM011810B
Project: Plainwell Mill
Instrument ID: 114
Calibration: 0B23006

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B22027-CCV8	Beryllium	40.0	36.7	92	ug/L	02/22/10 20:42
	Cadmium	40.0	37.1	93	ug/L	02/22/10 20:42
	Copper	40.0	39.4	98	ug/L	02/22/10 20:42
	Lead	40.0	38.2	96	ug/L	02/22/10 20:42
	Selenium	40.0	37.8	94	ug/L	02/22/10 20:42
	Silver	40.0	38.5	96	ug/L	02/22/10 20:42
	Thallium	40.0	38.0	95	ug/L	02/22/10 20:42
	Vanadium	40.0	37.8	95	ug/L	02/22/10 20:42
	Zinc	40.0	39.0	97	ug/L	02/22/10 20:42
0B22027-CCV9	Antimony	40.0	36.3	91	ug/L	02/22/10 21:19
	Arsenic	40.0	38.9	97	ug/L	02/22/10 21:19
	Beryllium	40.0	37.6	94	ug/L	02/22/10 21:19
	Cadmium	40.0	37.3	93	ug/L	02/22/10 21:19
	Copper	40.0	39.0	98	ug/L	02/22/10 21:19
	Lead	40.0	37.8	94	ug/L	02/22/10 21:19
	Selenium	40.0	37.1	93	ug/L	02/22/10 21:19
	Silver	40.0	38.6	97	ug/L	02/22/10 21:19
	Thallium	40.0	37.8	95	ug/L	02/22/10 21:19
	Vanadium	40.0	37.2	93	ug/L	02/22/10 21:19
	Zinc	40.0	38.4	96	ug/L	02/22/10 21:19
0B22027-CCVA	Antimony	40.0	36.3	91	ug/L	02/22/10 22:16
	Arsenic	40.0	39.4	98	ug/L	02/22/10 22:16
	Beryllium	40.0	37.5	94	ug/L	02/22/10 22:16
	Cadmium	40.0	37.7	94	ug/L	02/22/10 22:16
	Copper	40.0	39.5	99	ug/L	02/22/10 22:16
	Lead	40.0	37.8	95	ug/L	02/22/10 22:16
	Selenium	40.0	37.9	95	ug/L	02/22/10 22:16
	Silver	40.0	38.6	97	ug/L	02/22/10 22:16
	Thallium	40.0	38.4	96	ug/L	02/22/10 22:16
	Vanadium	40.0	37.6	94	ug/L	02/22/10 22:16
	Zinc	40.0	38.3	96	ug/L	02/22/10 22:16
0B22027-CCVB	Antimony	40.0	36.7	92	ug/L	02/22/10 23:00
	Arsenic	40.0	38.6	96	ug/L	02/22/10 23:00
	Beryllium	40.0	37.1	93	ug/L	02/22/10 23:00
	Cadmium	40.0	38.0	95	ug/L	02/22/10 23:00
	Copper	40.0	39.2	98	ug/L	02/22/10 23:00
	Lead	40.0	38.4	96	ug/L	02/22/10 23:00
	Selenium	40.0	37.8	94	ug/L	02/22/10 23:00

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B22027
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0B23006

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B22027-CCVB	Silver	40.0	39.0	98	ug/L	02/22/10 23:00
	Thallium	40.0	38.5	96	ug/L	02/22/10 23:00
	Vanadium	40.0	37.4	93	ug/L	02/22/10 23:00
	Zinc	40.0	38.7	97	ug/L	02/22/10 23:00
0B22027-CCVC	Antimony	40.0	36.8	92	ug/L	02/23/10 00:05
	Arsenic	40.0	39.3	98	ug/L	02/23/10 00:05
	Beryllium	40.0	37.3	93	ug/L	02/23/10 00:05
	Cadmium	40.0	37.3	93	ug/L	02/23/10 00:05
	Copper	40.0	39.0	97	ug/L	02/23/10 00:05
	Lead	40.0	38.1	95	ug/L	02/23/10 00:05
	Selenium	40.0	37.8	94	ug/L	02/23/10 00:05
	Silver	40.0	38.4	96	ug/L	02/23/10 00:05
	Thallium	40.0	38.2	95	ug/L	02/23/10 00:05
	Vanadium	40.0	37.7	94	ug/L	02/23/10 00:05
	Zinc	40.0	38.6	97	ug/L	02/23/10 00:05
0B22027-CCVD	Antimony	40.0	36.1	90	ug/L	02/23/10 00:42
	Arsenic	40.0	39.1	98	ug/L	02/23/10 00:42
	Beryllium	40.0	37.5	94	ug/L	02/23/10 00:42
	Cadmium	40.0	36.9	92	ug/L	02/23/10 00:42
	Copper	40.0	39.5	99	ug/L	02/23/10 00:42
	Lead	40.0	38.1	95	ug/L	02/23/10 00:42
	Selenium	40.0	37.3	93	ug/L	02/23/10 00:42
	Silver	40.0	38.3	96	ug/L	02/23/10 00:42
	Thallium	40.0	38.2	96	ug/L	02/23/10 00:42
	Vanadium	40.0	37.8	94	ug/L	02/23/10 00:42
	Zinc	40.0	38.7	97	ug/L	02/23/10 00:42

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. **SDG:** PM011810B

Client: SulTRAC **Project:** Plainwell Mill

Sequence: 0B10035 **Instrument:** 114

Laboratory ID: 0B10035-SCV1 **Calibration:** 0B11023

Analyte	Expected	Found	% R	QC Limit	Units
Chromium	40.0	38.3	96	90-110	ug/L
Cobalt	40.0	39.3	98	90-110	ug/L
Selenium	40.0	38.8	97	90-110	ug/L
Silver	40.0	39.3	98	90-110	ug/L

* Values outside of QC limits

00271

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. **SDG:** PM011810B

Client: SulTRAC **Project:** Plainwell Mill

Sequence: 0B22027 **Instrument:** 114

Laboratory ID: 0B22027-SCV1 **Calibration:** 0B23006

Analyte	Expected	Found	% R	QC Limit	Units
Antimony	40.0	37.6	94	90-110	ug/L
Arsenic	40.0	39.8	100	90-110	ug/L
Beryllium	40.0	37.7	94	90-110	ug/L
Cadmium	40.0	38.2	96	90-110	ug/L
Copper	40.0	38.7	97	90-110	ug/L
Lead	40.0	38.0	95	90-110	ug/L
Selenium	40.0	38.0	95	90-110	ug/L
Silver	40.0	38.9	97	90-110	ug/L
Thallium	40.0	38.0	95	90-110	ug/L
Vanadium	40.0	37.5	94	90-110	ug/L
Zinc	40.0	38.9	97	90-110	ug/L

* Values outside of QC limits

00272

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810B

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0B10035

Instrument ID: 114

Calibration: 0B11023

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B10035-CRL1	Silver	0.200	0.191	95	ug/L	50 - 150
0B10035-CRL2	Chromium	1.00	0.892	89	ug/L	50 - 150
	Cobalt	1.00	0.965	97	ug/L	50 - 150
	Selenium	1.00	0.895	90	ug/L	50 - 150

* Values outside of QC limits

00273

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810B

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0B22027

Instrument ID: 114

Calibration: 0B23006

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B22027-CRL1	Cadmium	0.200	0.212	106	ug/L	50 - 150
	Silver	0.200	0.186	93	ug/L	50 - 150
	Thallium	0.200	0.202	101	ug/L	50 - 150
0B22027-CRL2	Antimony	1.00	1.00	100	ug/L	50 - 150
	Arsenic	1.00	0.934	93	ug/L	50 - 150
	Beryllium	1.00	1.03	103	ug/L	50 - 150
	Copper	1.00	1.02	102	ug/L	50 - 150
	Lead	1.00	0.998	100	ug/L	50 - 150
	Selenium	1.00	0.976	98	ug/L	50 - 150
	Vanadium	1.00	0.948	95	ug/L	50 - 150
	Zinc	1.00	1.00	100	ug/L	50 - 150

* Values outside of QC limits

: 00274

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B10035

SDG: PM011810B
Project: Plainwell Mill
Instrument ID: 114
Calibration: 0B11023

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B10035-CCB1	Chromium	-0.059	1.0	0.091	ug/L	U	02/10/10 14:44
	Cobalt	0.00037	0.20	0.0084	ug/L	U	02/10/10 14:44
	Selenium	-0.025	0.40	0.16	ug/L	U	02/10/10 14:44
	Silver	0.015	0.040	0.012	ug/L	J	02/10/10 14:44
0B10035-CCB2	Chromium	-0.067	1.0	0.091	ug/L	U	02/10/10 15:03
	Cobalt	0.0012	0.20	0.0084	ug/L	U	02/10/10 15:03
	Selenium	-0.032	0.40	0.16	ug/L	U	02/10/10 15:03
	Silver	0.011	0.040	0.012	ug/L	U	02/10/10 15:03
0B10035-CCB3	Chromium	-0.00023	1.0	0.091	ug/L	U	02/10/10 15:38
	Cobalt	-0.0030	0.20	0.0084	ug/L	U	02/10/10 15:38
	Selenium	-0.081	0.40	0.16	ug/L	U	02/10/10 15:38
	Silver	0.0091	0.040	0.012	ug/L	U	02/10/10 15:38
0B10035-CCB4	Chromium	-0.024	1.0	0.091	ug/L	U	02/10/10 16:12
	Cobalt	-0.0029	0.20	0.0084	ug/L	U	02/10/10 16:12
	Selenium	-0.17	0.40	0.16	ug/L	J	02/10/10 16:12
	Silver	0.010	0.040	0.012	ug/L	U	02/10/10 16:12
0B10035-CCB5	Chromium	-0.023	1.0	0.091	ug/L	U	02/10/10 16:46
	Cobalt	-0.0028	0.20	0.0084	ug/L	U	02/10/10 16:46
	Selenium	-0.12	0.40	0.16	ug/L	U	02/10/10 16:46
	Silver	0.011	0.040	0.012	ug/L	U	02/10/10 16:46
0B10035-CCB6	Chromium	-0.017	1.0	0.091	ug/L	U	02/10/10 17:09
	Cobalt	-0.0030	0.20	0.0084	ug/L	U	02/10/10 17:09
	Selenium	-0.12	0.40	0.16	ug/L	U	02/10/10 17:09
	Silver	0.011	0.040	0.012	ug/L	U	02/10/10 17:09

* Values outside of QC limits

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM011810B
Project: Plainwell Mill
Instrument ID: 114
Calibration: 0B23006

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B22027-CCB1	Antimony	0.11	0.20	0.071	ug/L	J	02/22/10 14:12
	Arsenic	0.012	0.20	0.076	ug/L	U	02/22/10 14:12
	Beryllium	-0.0026	0.20	0.060	ug/L	U	02/22/10 14:12
	Cadmium	0.0033	0.040	0.011	ug/L	U	02/22/10 14:12
	Copper	0.0025	0.40	0.14	ug/L	U	02/22/10 14:12
	Lead	-0.00086	0.20	0.043	ug/L	U	02/22/10 14:12
	Selenium	0.083	0.40	0.16	ug/L	U	02/22/10 14:12
	Silver	0.0097	0.040	0.012	ug/L	U	02/22/10 14:12
	Thallium	0.00019	0.20	0.011	ug/L	U	02/22/10 14:12
	Vanadium	-0.011	0.20	0.056	ug/L	U	02/22/10 14:12
	Zinc	-0.0058	10	0.58	ug/L	U	02/22/10 14:12
0B22027-CCB2	Antimony	0.088	0.20	0.071	ug/L	J	02/22/10 14:40
	Arsenic	-0.053	0.20	0.076	ug/L	U	02/22/10 14:40
	Cadmium	0.0039	0.040	0.011	ug/L	U	02/22/10 14:40
	Copper	0.0047	0.40	0.14	ug/L	U	02/22/10 14:40
	Lead	-0.0013	0.20	0.043	ug/L	U	02/22/10 14:40
	Selenium	0.033	0.40	0.16	ug/L	U	02/22/10 14:40
	Silver	0.0072	0.040	0.012	ug/L	U	02/22/10 14:40
	Thallium	-0.00071	0.20	0.011	ug/L	U	02/22/10 14:40
	Vanadium	-0.045	0.20	0.056	ug/L	U	02/22/10 14:40
	Zinc	0.0053	10	0.58	ug/L	U	02/22/10 14:40
0B22027-CCB3	Antimony	0.084	0.20	0.071	ug/L	J	02/22/10 15:37
	Arsenic	-0.016	0.20	0.076	ug/L	U	02/22/10 15:37
	Cadmium	0.00067	0.040	0.011	ug/L	U	02/22/10 15:37
	Copper	0.0023	0.40	0.14	ug/L	U	02/22/10 15:37
	Lead	-0.0014	0.20	0.043	ug/L	U	02/22/10 15:37
	Selenium	0.058	0.40	0.16	ug/L	U	02/22/10 15:37
	Silver	0.0069	0.040	0.012	ug/L	U	02/22/10 15:37
	Thallium	-0.0011	0.20	0.011	ug/L	U	02/22/10 15:37
	Vanadium	-0.026	0.20	0.056	ug/L	U	02/22/10 15:37
	Zinc	0.017	10	0.58	ug/L	U	02/22/10 15:37
0B22027-CCB4	Antimony	0.082	0.20	0.071	ug/L	J	02/22/10 16:30
	Arsenic	-0.12	0.20	0.076	ug/L	J	02/22/10 16:30

00276

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B22027
Instrument ID: 114
Calibration: 0B23006

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B22027-CCB4	Cadmium	0.0029	0.040	0.011	ug/L	U	02/22/10 16:30
	Copper	-0.00080	0.40	0.14	ug/L	U	02/22/10 16:30
	Lead	-0.0020	0.20	0.043	ug/L	U	02/22/10 16:30
	Selenium	-0.13	0.40	0.16	ug/L	U	02/22/10 16:30
	Silver	0.0069	0.040	0.012	ug/L	U	02/22/10 16:30
	Thallium	0.00025	0.20	0.011	ug/L	U	02/22/10 16:30
	Vanadium	-0.048	0.20	0.056	ug/L	U	02/22/10 16:30
	Zinc	0.0078	10	0.58	ug/L	U	02/22/10 16:30
0B22027-CCB5	Antimony	0.089	0.20	0.071	ug/L	J	02/22/10 16:49
	Arsenic	-0.12	0.20	0.076	ug/L	J	02/22/10 16:49
	Beryllium	-0.0028	0.20	0.060	ug/L	U	02/22/10 16:49
	Cadmium	0.0033	0.040	0.011	ug/L	U	02/22/10 16:49
	Copper	-0.0030	0.40	0.14	ug/L	U	02/22/10 16:49
	Lead	-0.00050	0.20	0.043	ug/L	U	02/22/10 16:49
	Selenium	-0.0029	0.40	0.16	ug/L	U	02/22/10 16:49
	Silver	0.0064	0.040	0.012	ug/L	U	02/22/10 16:49
	Thallium	-0.00024	0.20	0.011	ug/L	U	02/22/10 16:49
	Vanadium	-0.044	0.20	0.056	ug/L	U	02/22/10 16:49
	Zinc	0.0022	10	0.58	ug/L	U	02/22/10 16:49
0B22027-CCB6	Antimony	0.079	0.20	0.071	ug/L	J	02/22/10 18:43
	Arsenic	-0.098	0.20	0.076	ug/L	J	02/22/10 18:43
	Beryllium	0.0034	0.20	0.060	ug/L	U	02/22/10 18:43
	Cadmium	0.0053	0.040	0.011	ug/L	U	02/22/10 18:43
	Copper	-0.00085	0.40	0.14	ug/L	U	02/22/10 18:43
	Lead	-0.00069	0.20	0.043	ug/L	U	02/22/10 18:43
	Selenium	-0.0023	0.40	0.16	ug/L	U	02/22/10 18:43
	Silver	0.0056	0.040	0.012	ug/L	U	02/22/10 18:43
	Thallium	0.000022	0.20	0.011	ug/L	U	02/22/10 18:43
	Vanadium	-0.024	0.20	0.056	ug/L	U	02/22/10 18:43
	Zinc	0.0094	10	0.58	ug/L	U	02/22/10 18:43
0B22027-CCB7	Antimony	0.086	0.20	0.071	ug/L	J	02/22/10 19:42
	Arsenic	-0.032	0.20	0.076	ug/L	U	02/22/10 19:42
	Beryllium	-0.0043	0.20	0.060	ug/L	U	02/22/10 19:42

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B22027
Instrument ID: 114
Calibration: 0B23006

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B22027-CCB7	Cadmium	0.0029	0.040	0.011	ug/L	U	02/22/10 19:42
	Copper	0.0011	0.40	0.14	ug/L	U	02/22/10 19:42
	Lead	-0.00066	0.20	0.043	ug/L	U	02/22/10 19:42
	Selenium	0.17	0.40	0.16	ug/L	J	02/22/10 19:42
	Silver	0.0072	0.040	0.012	ug/L	U	02/22/10 19:42
	Thallium	0.000063	0.20	0.011	ug/L	U	02/22/10 19:42
	Vanadium	-0.037	0.20	0.056	ug/L	U	02/22/10 19:42
	Zinc	0.014	10	0.58	ug/L	U	02/22/10 19:42
0B22027-CCB8	Antimony	0.090	0.20	0.071	ug/L	J	02/22/10 20:51
	Arsenic	-0.036	0.20	0.076	ug/L	U	02/22/10 20:51
	Beryllium	0.00049	0.20	0.060	ug/L	U	02/22/10 20:51
	Cadmium	0.0032	0.040	0.011	ug/L	U	02/22/10 20:51
	Copper	0.0066	0.40	0.14	ug/L	U	02/22/10 20:51
	Lead	0.00067	0.20	0.043	ug/L	U	02/22/10 20:51
	Selenium	0.094	0.40	0.16	ug/L	U	02/22/10 20:51
	Silver	0.0063	0.040	0.012	ug/L	U	02/22/10 20:51
	Thallium	-0.00095	0.20	0.011	ug/L	U	02/22/10 20:51
	Vanadium	-0.024	0.20	0.056	ug/L	U	02/22/10 20:51
	Zinc	0.019	10	0.58	ug/L	U	02/22/10 20:51
0B22027-CCB9	Antimony	0.083	0.20	0.071	ug/L	J	02/22/10 21:28
	Arsenic	-0.061	0.20	0.076	ug/L	U	02/22/10 21:28
	Beryllium	-0.0043	0.20	0.060	ug/L	U	02/22/10 21:28
	Cadmium	0.0018	0.040	0.011	ug/L	U	02/22/10 21:28
	Copper	0.0080	0.40	0.14	ug/L	U	02/22/10 21:28
	Lead	0.047	0.20	0.043	ug/L	J	02/22/10 21:28
	Selenium	0.14	0.40	0.16	ug/L	U	02/22/10 21:28
	Silver	0.0056	0.040	0.012	ug/L	U	02/22/10 21:28
	Thallium	-0.00034	0.20	0.011	ug/L	U	02/22/10 21:28
	Vanadium	-0.025	0.20	0.056	ug/L	U	02/22/10 21:28
	Zinc	0.035	10	0.58	ug/L	U	02/22/10 21:28
0B22027-CCBA	Antimony	0.078	0.20	0.071	ug/L	J	02/22/10 22:24
	Arsenic	-0.060	0.20	0.076	ug/L	U	02/22/10 22:24
	Beryllium	-0.00098	0.20	0.060	ug/L	U	02/22/10 22:24

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B22027
Instrument ID: 114
Calibration: 0B23006

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B22027-CCBA	Cadmium	0.00038	0.040	0.011	ug/L	U	02/22/10 22:24
	Copper	0.0046	0.40	0.14	ug/L	U	02/22/10 22:24
	Lead	0.043	0.20	0.043	ug/L	J	02/22/10 22:24
	Selenium	0.083	0.40	0.16	ug/L	U	02/22/10 22:24
	Silver	0.0048	0.040	0.012	ug/L	U	02/22/10 22:24
	Thallium	-0.00081	0.20	0.011	ug/L	U	02/22/10 22:24
	Vanadium	-0.034	0.20	0.056	ug/L	U	02/22/10 22:24
	Zinc	0.030	10	0.58	ug/L	U	02/22/10 22:24
0B22027-CCBB	Antimony	0.087	0.20	0.071	ug/L	J	02/22/10 23:09
	Arsenic	-0.042	0.20	0.076	ug/L	U	02/22/10 23:09
	Beryllium	0.00054	0.20	0.060	ug/L	U	02/22/10 23:09
	Cadmium	0.00091	0.040	0.011	ug/L	U	02/22/10 23:09
	Copper	0.0089	0.40	0.14	ug/L	U	02/22/10 23:09
	Lead	0.043	0.20	0.043	ug/L	U	02/22/10 23:09
	Selenium	0.098	0.40	0.16	ug/L	U	02/22/10 23:09
	Silver	0.0054	0.040	0.012	ug/L	U	02/22/10 23:09
	Thallium	-0.00011	0.20	0.011	ug/L	U	02/22/10 23:09
	Vanadium	-0.036	0.20	0.056	ug/L	U	02/22/10 23:09
	Zinc	0.026	10	0.58	ug/L	U	02/22/10 23:09
0B22027-CCBC	Antimony	0.081	0.20	0.071	ug/L	J	02/23/10 00:14
	Arsenic	-0.062	0.20	0.076	ug/L	U	02/23/10 00:14
	Beryllium	0.0036	0.20	0.060	ug/L	U	02/23/10 00:14
	Cadmium	0.00060	0.040	0.011	ug/L	U	02/23/10 00:14
	Copper	0.0088	0.40	0.14	ug/L	U	02/23/10 00:14
	Lead	0.044	0.20	0.043	ug/L	J	02/23/10 00:14
	Selenium	0.018	0.40	0.16	ug/L	U	02/23/10 00:14
	Silver	0.0088	0.040	0.012	ug/L	U	02/23/10 00:14
	Thallium	-0.00047	0.20	0.011	ug/L	U	02/23/10 00:14
	Vanadium	-0.045	0.20	0.056	ug/L	U	02/23/10 00:14
	Zinc	0.021	10	0.58	ug/L	U	02/23/10 00:14
0B22027-CCBD	Antimony	0.093	0.20	0.071	ug/L	J	02/23/10 00:50
	Arsenic	-0.065	0.20	0.076	ug/L	U	02/23/10 00:50
	Beryllium	-0.0026	0.20	0.060	ug/L	U	02/23/10 00:50

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B22027
Instrument ID: 114
Calibration: 0B23006

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B22027-CCBD	Cadmium	0.0028	0.040	0.011	ug/L	U	02/23/10 00:50
	Copper	0.0061	0.40	0.14	ug/L	U	02/23/10 00:50
	Lead	0.043	0.20	0.043	ug/L	U	02/23/10 00:50
	Selenium	0.14	0.40	0.16	ug/L	U	02/23/10 00:50
	Silver	0.0065	0.040	0.012	ug/L	U	02/23/10 00:50
	Thallium	-0.00080	0.20	0.011	ug/L	U	02/23/10 00:50
	Vanadium	-0.034	0.20	0.056	ug/L	U	02/23/10 00:50
	Zinc	0.023	10	0.58	ug/L	U	02/23/10 00:50

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B10035

SDG: PM011810B

Project: Plainwell Mill

Instrument ID: 114

Calibration: 0B11023

Lab Sample ID	Analyte	True	Found	%R	Units
0B10035-IFA1	Chromium	0.00	0.167		ug/L
	Cobalt	0.00	0.00487		ug/L
	Selenium	0.00	-0.0717		ug/L
	Silver	0.00	0.0288		ug/L
0B10035-IFB1	Chromium	20.0	21.0	105	ug/L
	Cobalt	20.0	19.6	98	ug/L
	Selenium	20.0	19.2	96	ug/L
	Silver	20.0	20.4	102	ug/L

* Values outside of QC limits

: 00281

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B22027

SDG: PM011810B

Project: Plainwell Mill

Instrument ID: 114

Calibration: 0B23006

Lab Sample ID	Analyte	True	Found	%R	Units
0B22027-IFA1	Antimony	0.00	0.0599		ug/L
	Arsenic	0.00	-0.00178		ug/L
	Beryllium	0.00	-0.00123		ug/L
	Cadmium	0.00	-0.00176		ug/L
	Copper	0.00	0.243		ug/L
	Lead	0.00	0.0119		ug/L
	Selenium	0.00	0.0403		ug/L
	Silver	0.00	0.0240		ug/L
	Thallium	0.00	0.00107		ug/L
	Vanadium	0.00	-0.0603		ug/L
	Zinc	0.00	1.64		ug/L
0B22027-IFB1	Antimony	20.0	19.9	100	ug/L
	Arsenic	20.0	19.9	100	ug/L
	Beryllium	20.0	18.3	92	ug/L
	Cadmium	20.0	19.8	99	ug/L
	Copper	20.0	19.0	95	ug/L
	Lead	20.0	19.6	98	ug/L
	Selenium	20.0	18.6	93	ug/L
	Silver	20.0	19.9	99	ug/L
	Thallium	20.0	19.3	97	ug/L
	Vanadium	20.0	18.7	94	ug/L
	Zinc	20.0	20.6	103	ug/L

* Values outside of QC limits

QC BATCH SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810B

Client: SulTRAC Project: Plainwell Mill

QC Batch: 1001061 QC Batch Matrix: Soil Preparation: 3010A SPLP Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1001061-BLK1	02/08/10 07:00	
Blank	1001061-BLK2	02/08/10 07:00	
LCS	1001061-BS1	02/08/10 07:00	
LCS	1001061-BS2	02/08/10 07:00	
S-SO-56394-DR-012010-1031	1001061-MS1	02/08/10 07:00	
S-SO-56394-DR-012010-1031	1001061-MS2	02/08/10 07:00	
S-SO-56394-DR-012010-1031	1001061-MSD1	02/08/10 07:00	
S-SO-56394-DR-012010-1031	1001061-MSD2	02/08/10 07:00	
S-SO-56394-DR-012010-1031	1001061-PS1	02/10/10 13:00	
S-SO-56394-DR-012010-1031	1001061-PS2	02/22/10 16:00	[Spk] 25mL->125mL; 10mL->10mL; Spiked 10mL
S-SO-56394-CB-011810-062	1002038-01	02/08/10 07:00	
S-SO-56394-CB-011810-072	1002038-02	02/08/10 07:00	
S-SO-56394-CB-011810-057	1002038-03	02/08/10 07:00	
S-SO-56394-DR-011910-1024	1002038-04	02/08/10 07:00	
S-SO-56394-CB-011910-077	1002038-05	02/08/10 07:00	
SD-SO-56394-CB-011910-077	1002038-06	02/08/10 07:00	
S-SO-56394-CB-011910-081	1002038-07	02/08/10 07:00	
S-SO-56394-CB-011910-086	1002038-08	02/08/10 07:00	
S-SO-56394-CB-011910-090	1002038-09	02/08/10 07:00	
S-SO-56394-CB-012010-094	1002038-10	02/08/10 07:00	
S-SO-56394-CB-012010-099	1002038-11	02/08/10 07:00	
S-SO-56394-DR-012010-1031	1002038-12	02/08/10 07:00	
S-SO-56394-DR-012010-1035	1002038-13	02/08/10 07:00	

: 00283

QC BATCH SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1001063
QC Batch Matrix: Soil
Preparation: 3010A SPLP Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1001063-BLK1	02/08/10 07:00	
Blank	1001063-BLK2	02/08/10 07:00	
LCS	1001063-BS1	02/08/10 07:00	
LCS	1001063-BS2	02/08/10 07:00	
S-SO-56394-DR-012010-1038	1001063-MS1	02/08/10 07:00	
S-SO-56394-DR-012010-1038	1001063-MS2	02/08/10 07:00	
S-SO-56394-DR-012010-1038	1001063-MSD1	02/08/10 07:00	
S-SO-56394-DR-012010-1038	1001063-MSD2	02/08/10 07:00	
S-SO-56394-DR-012010-1038	1001063-PS1	02/10/10 13:00	
S-SO-56394-DR-012010-1038	1001063-PS2	02/22/10 18:00	[Spk] 25mL->125mL; 10mL->10mL; Spiked 10mL
S-SO-56394-DR-012010-1038	1002038-14	02/08/10 07:00	
S-SO-56394-DR-012110-1045	1002038-15	02/08/10 07:00	
S-SO-56394-DR-012110-1049	1002038-16	02/08/10 07:00	
SD-SO-56394-DR-012110-1049	1002038-17	02/08/10 07:00	
S-SO-56394-DR-012110-1050	1002038-18	02/08/10 07:00	
S-SO-56394-CB-012010-105	1002038-19	02/08/10 07:00	
S-SO-56394-CB-012110-107	1002038-20	02/08/10 07:00	
S-SO-56394-CB-012110-109	1002038-21	02/08/10 07:00	
S-SO-56394-CB-012110-114	1002038-22	02/08/10 07:00	
S-SO-56394-CB-012110-116	1002038-23	02/08/10 07:00	
S-SO-56394-CB-012110-118	1002038-24	02/08/10 07:00	

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1001061-BLK1
File ID: 0b10035-017
Prepared: 02/08/10 07:00
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 125 mL
Analyzed: 02/10/10 15:07
Instrument: 114
QC Batch: 1001061
Sequence: 0B10035
Calibration: 0B11023

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-47-3	Chromium, SPLP	0.00046	0.0050	0.0050	mg/L	U
7440-48-4	Cobalt, SPLP	0.000042	0.0010	0.0010	mg/L	U
7782-49-2	Selenium, SPLP	0.00082	0.0020	0.0020	mg/L	U
7440-22-4	Silver, SPLP	0.000061	0.00020	0.00020	mg/L	U

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1001061-BLK2
File ID: 0b22027-045
Prepared: 02/08/10 07:00
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 125 mL
Analyzed: 02/22/10 17:55
Instrument: 114
QC Batch: 1001061
Sequence: 0B22027
Calibration: 0B23006

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-36-0	Antimony, SPLP	0.00036	0.0010	0.0010	mg/L	U
7440-38-2	Arsenic, SPLP	0.00038	0.0010	0.0010	mg/L	U
7440-41-7	Beryllium, SPLP	0.00030	0.0010	0.0010	mg/L	U
7440-43-9	Cadmium, SPLP	0.000055	0.00020	0.00020	mg/L	U
7440-50-8	Copper, SPLP	0.00071	0.0020	0.0020	mg/L	U
7439-92-1	Lead, SPLP	0.00022	0.0010	0.0010	mg/L	U
7440-28-0	Thallium, SPLP	0.000056	0.0010	0.0010	mg/L	U
7440-62-2	Vanadium, SPLP	0.00028	0.0010	0.0010	mg/L	U
7440-66-6	Zinc, SPLP	0.0029	0.050	0.0097	mg/L	J

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1001063-BLK1
File ID: 0b10035-038
Prepared: 02/08/10 07:00
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 125 mL
Analyzed: 02/10/10 16:06
Instrument: 114
QC Batch: 1001063
Sequence: 0B10035
Calibration: 0B11023

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-47-3	Chromium, SPLP	0.00046	0.0050	0.0050	mg/L	U
7440-48-4	Cobalt, SPLP	0.000042	0.0010	0.0010	mg/L	U
7782-49-2	Selenium, SPLP	0.00082	0.0020	0.0020	mg/L	U
7440-22-4	Silver, SPLP	0.000061	0.00020	0.00020	mg/L	U

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1001063-BLK2
File ID: 0b22027-068
Prepared: 02/08/10 07:00
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 125 mL
Analyzed: 02/22/10 19:47
Instrument: 114
QC Batch: 1001063
Sequence: 0B22027
Calibration: 0B23006

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-36-0	Antimony, SPLP	0.00036	0.0010	0.0010	mg/L	U
7440-38-2	Arsenic, SPLP	0.00038	0.0010	0.0010	mg/L	U
7440-41-7	Beryllium, SPLP	0.00030	0.0010	0.0010	mg/L	U
7440-43-9	Cadmium, SPLP	0.000055	0.00020	0.00020	mg/L	U
7440-50-8	Copper, SPLP	0.00071	0.0020	0.0020	mg/L	U
7439-92-1	Lead, SPLP	0.00022	0.0010	0.0010	mg/L	U
7440-28-0	Thallium, SPLP	0.000056	0.0010	0.0010	mg/L	U
7440-62-2	Vanadium, SPLP	0.00028	0.0010	0.0010	mg/L	U
7440-66-6	Zinc, SPLP	0.0029	0.050	0.0051	mg/L	J

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-DR-012010-1031

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1001061-MS1

QC Batch: 1001061

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Chromium, SPLP	0.100	0.00113	0.108	107	75 - 125	mg/L
Cobalt, SPLP	0.100	0.0000887	0.104	104	75 - 125	mg/L
Selenium, SPLP	0.100	ND	0.0955	96	75 - 125	mg/L
Silver, SPLP	0.100	ND	0.101	101	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

00289

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-DR-012010-1031

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1001061-MSD1

QC Batch: 1001061

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Chromium, SPLP	0.100	0.0971	96	11	20	75 - 125	mg/L
Cobalt, SPLP	0.100	0.0949	95	9	20	75 - 125	mg/L
Selenium, SPLP	0.100	0.0856	86	11	20	75 - 125	mg/L
Silver, SPLP	0.100	0.0921	92	9	20	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-DR-012010-1031

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1001061-MS2

QC Batch: 1001061

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Antimony, SPLP	0.100	0.00389	0.106	102	75 - 125	mg/L
Arsenic, SPLP	0.100	0.0334	0.135	101	75 - 125	mg/L
Beryllium, SPLP	0.100	ND	0.0961	96	75 - 125	mg/L
Cadmium, SPLP	0.100	ND	0.0966	97	75 - 125	mg/L
Copper, SPLP	0.100	0.00180	0.106	104	75 - 125	mg/L
Lead, SPLP	0.100	0.00253	0.104	102	75 - 125	mg/L
Thallium, SPLP	0.100	ND	0.100	100	75 - 125	mg/L
Vanadium, SPLP	0.100	0.00104	0.105	103	75 - 125	mg/L
Zinc, SPLP	0.100	0.00487	0.104	99	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-DR-012010-1031

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1001061-MSD2

QC Batch: 1001061

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Antimony, SPLP	0.100	0.0944	90	11	20	75 - 125	mg/L
Arsenic, SPLP	0.100	0.118	85	13	20	75 - 125	mg/L
Beryllium, SPLP	0.100	0.0861	86	11	20	75 - 125	mg/L
Cadmium, SPLP	0.100	0.0877	88	10	20	75 - 125	mg/L
Copper, SPLP	0.100	0.0937	92	12	20	75 - 125	mg/L
Lead, SPLP	0.100	0.0923	90	12	20	75 - 125	mg/L
Thallium, SPLP	0.100	0.0915	91	9	20	75 - 125	mg/L
Vanadium, SPLP	0.100	0.0928	92	12	20	75 - 125	mg/L
Zinc, SPLP	0.100	0.0905	86	14	20	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-DR-012010-1038

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1001063-MS1

QC Batch: 1001063

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Chromium, SPLP	0.100	0.00169	0.102	101	75 - 125	mg/L
Cobalt, SPLP	0.100	0.000231	0.0962	96	75 - 125	mg/L
Selenium, SPLP	0.100	ND	0.0851	85	75 - 125	mg/L
Silver, SPLP	0.100	0.000382	0.0938	93	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

: 00293

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-DR-012010-1038

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810B

Client: SulTRAC

Project: Plainwell Mill

Matrix: Soil

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1001063-MSD1

QC Batch: 1001063

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Chromium, SPLP	0.100	0.0969	95	5	20	75 - 125	mg/L
Cobalt, SPLP	0.100	0.0910	91	6	20	75 - 125	mg/L
Selenium, SPLP	0.100	0.0828	83	3	20	75 - 125	mg/L
Silver, SPLP	0.100	0.0875	87	7	20	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-DR-012010-1038

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1001063-MS2

QC Batch: 1001063

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Antimony, SPLP	0.100	0.00147	0.0941	93	75 - 125	mg/L
Arsenic, SPLP	0.100	0.00152	0.0943	93	75 - 125	mg/L
Beryllium, SPLP	0.100	ND	0.0913	91	75 - 125	mg/L
Cadmium, SPLP	0.100	0.000180	0.0909	91	75 - 125	mg/L
Copper, SPLP	0.100	0.00615	0.106	99	75 - 125	mg/L
Lead, SPLP	0.100	0.0231	0.157	134 *	75 - 125	mg/L
Thallium, SPLP	0.100	ND	0.0936	94	75 - 125	mg/L
Vanadium, SPLP	0.100	0.00103	0.0970	96	75 - 125	mg/L
Zinc, SPLP	0.100	0.0205	0.124	103	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-DR-012010-1038

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1001063-MSD2

QC Batch: 1001063

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Antimony, SPLP	0.100	0.0887	87	6	20	75 - 125	mg/L
Arsenic, SPLP	0.100	0.0881	87	7	20	75 - 125	mg/L
Beryllium, SPLP	0.100	0.0861	86	6	20	75 - 125	mg/L
Cadmium, SPLP	0.100	0.0866	86	5	20	75 - 125	mg/L
Copper, SPLP	0.100	0.0994	93	6	20	75 - 125	mg/L
Lead, SPLP	0.100	0.143	120	9	20	75 - 125	mg/L
Thallium, SPLP	0.100	0.0877	88	7	20	75 - 125	mg/L
Vanadium, SPLP	0.100	0.0935	92	4	20	75 - 125	mg/L
Zinc, SPLP	0.100	0.113	92	9	20	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-DR-012010-1031

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids:
Laboratory ID: 1001061-PS1
Lab Source ID: 1002038-12

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 1 mL / 5 mL
QC Batch: 1001061
Sequence: 0B10035

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Chromium, SPLP	80 - 120	20.2	0.226	20.0	100	ug/L
Cobalt, SPLP	80 - 120	19.3	0.0177	20.0	97	ug/L
Selenium, SPLP	80 - 120	18.6	-0.0264	20.0	93	ug/L
Silver, SPLP	80 - 120	19.5	0.00253	20.0	98	ug/L

* Values outside of QC limits

00297

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

6-SO-56394-DR-012010-1031

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids:
Laboratory ID: 1001061-PS2
Lab Source ID: 1002038-12

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 2 mL / 10 mL
QC Batch: 1001061
Sequence: 0B22027

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Antimony, SPLP	80 - 120	19.6	0.779	20.0	94	ug/L
Arsenic, SPLP	80 - 120	26.1	6.68	20.0	97	ug/L
Beryllium, SPLP	80 - 120	18.9	0.0000260	20.0	95	ug/L
Cadmium, SPLP	80 - 120	19.2	0.00343	20.0	96	ug/L
Copper, SPLP	80 - 120	20.4	0.359	20.0	100	ug/L
Lead, SPLP	80 - 120	20.3	0.505	20.0	99	ug/L
Thallium, SPLP	80 - 120	19.6	0.00155	20.0	98	ug/L
Vanadium, SPLP	80 - 120	20.1	0.208	20.0	99	ug/L
Zinc, SPLP	80 - 120	19.5	0.973	20.0	93	ug/L

* Values outside of QC limits

00298

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-DR-012010-1038

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids:
Laboratory ID: 1001063-PS1
Lab Source ID: 1002038-14

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 1 mL / 5 mL
QC Batch: 1001063
Sequence: 0B10035

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Chromium, SPLP	80 - 120	20.4	0.337	20.0	101	ug/L
Cobalt, SPLP	80 - 120	19.2	0.0462	20.0	96	ug/L
Selenium, SPLP	80 - 120	17.4	0.0885	20.0	87	ug/L
Silver, SPLP	80 - 120	19.2	0.0764	20.0	96	ug/L

* Values outside of QC limits

: 00299

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-DR-012010-1038

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids:
Laboratory ID: 1001063-PS2
Lab Source ID: 1002038-14

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 2 mL / 10 mL
QC Batch: 1001063
Sequence: 0B22027

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Antimony, SPLP	80 - 120	18.4	0.293	20.0	90	ug/L
Arsenic, SPLP	80 - 120	19.6	0.304	20.0	96	ug/L
Beryllium, SPLP	80 - 120	18.5	0.00655	20.0	93	ug/L
Cadmium, SPLP	80 - 120	18.2	0.0360	20.0	91	ug/L
Copper, SPLP	80 - 120	21.0	1.23	20.0	99	ug/L
Lead, SPLP	80 - 120	23.4	4.61	20.0	94	ug/L
Thallium, SPLP	80 - 120	18.8	0.00467	20.0	94	ug/L
Vanadium, SPLP	80 - 120	19.5	0.207	20.0	97	ug/L
Zinc, SPLP	80 - 120	22.2	4.09	20.0	90	ug/L

* Values outside of QC limits

00306

LCS / LCS DUPLICATE RECOVERY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil

Laboratory ID: 1001061-BS1

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 125 mL
QC Batch: 1001061
Sequence: 0B10035

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Chromium, SPLP	0.100	0.0966	97	80 - 120	mg/L
Cobalt, SPLP	0.100	0.0928	93	80 - 120	mg/L
Selenium, SPLP	0.100	0.0860	86	80 - 120	mg/L
Silver, SPLP	0.100	0.0926	93	80 - 120	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

: 00301

LCS / LCS DUPLICATE RECOVERY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil

Laboratory ID: 1001061-BS2

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 125 mL
QC Batch: 1001061
Sequence: 0B22027

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Antimony, SPLP	0.100	0.0913	91	80 - 120	mg/L
Arsenic, SPLP	0.100	0.0909	91	80 - 120	mg/L
Beryllium, SPLP	0.100	0.0841	84	80 - 120	mg/L
Cadmium, SPLP	0.100	0.0894	89	80 - 120	mg/L
Copper, SPLP	0.100	0.0955	96	80 - 120	mg/L
Lead, SPLP	0.100	0.0929	93	80 - 120	mg/L
Thallium, SPLP	0.100	0.0932	93	80 - 120	mg/L
Vanadium, SPLP	0.100	0.0915	91	80 - 120	mg/L
Zinc, SPLP	0.100	0.0949	95	80 - 120	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil

Laboratory ID: 1001063-BS1

SDG: PM011810B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 125 mL
QC Batch: 1001063
Sequence: 0B10035

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Chromium, SPLP	0.100	0.0958	96	80 - 120	mg/L
Cobalt, SPLP	0.100	0.0935	93	80 - 120	mg/L
Selenium, SPLP	0.100	0.0864	86	80 - 120	mg/L
Silver, SPLP	0.100	0.0956	96	80 - 120	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

00303

LCS / LCS DUPLICATE RECOVERY

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

Laboratory ID: 1001063-BS2

SDG: PM011810B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 125 mL

QC Batch: 1001063

Sequence: 0B22027

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Antimony, SPLP	0.100	0.0914	91	80 - 120	mg/L
Arsenic, SPLP	0.100	0.0907	91	80 - 120	mg/L
Beryllium, SPLP	0.100	0.0864	86	80 - 120	mg/L
Cadmium, SPLP	0.100	0.0887	89	80 - 120	mg/L
Copper, SPLP	0.100	0.0964	96	80 - 120	mg/L
Lead, SPLP	0.100	0.0933	93	80 - 120	mg/L
Thallium, SPLP	0.100	0.0936	94	80 - 120	mg/L
Vanadium, SPLP	0.100	0.0929	93	80 - 120	mg/L
Zinc, SPLP	0.100	0.0930	93	80 - 120	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

: 00304

SERIAL DILUTION

USEPA-6020A

S-SO-56394-DR-012010-1031

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810B

Client: SulTRAC

Project: Plainwell Mill

Matrix: Soil

% Solids:

Laboratory ID: 0B10035-SRD1

QC Batch: 0B10035

Lab Source ID: 1002038-12

Sequence: 0B10035

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Chromium, SPLP	0.226	J	0.213	U	6.0 #		ug/L	10
Cobalt, SPLP	0.0177	J	0.00317	U	82.0 #		ug/L	10
Selenium, SPLP	-0.0264	U	-0.0915	U	247.0 #		ug/L	10
Silver, SPLP	0.00253	U	0.0765	J	2924.0 #		ug/L	10

* Values outside of QC limits

Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

SERIAL DILUTION
USEPA-6020A

S-SO-56394-DR-012010-1038

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids:
Laboratory ID: 0B10035-SRD2
QC Batch: 0B10035
Lab Source ID: 1002038-14
Sequence: 0B10035

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Chromium, SPLP	0.337	J	0.512	J	52.0 #		ug/L	10
Cobalt, SPLP	0.0462	J	0.0191	U	59.0 #		ug/L	10
Selenium, SPLP	0.0885	U	-0.0111	U	113.0 #		ug/L	10
Silver, SPLP	0.0764		0.140	J	83.0 #		ug/L	10

* Values outside of QC limits

Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

SERIAL DILUTION

USEPA-6020A

S-SO-56394-DR-012010-1031

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810B

Client: SulTRAC

Project: Plainwell Mill

Matrix: Soil

% Solids:

Laboratory ID: 0B22027-SRD3

QC Batch: 0B22027

Lab Source ID: 1002038-12

Sequence: 0B22027

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Antimony, SPLP	0.779		0.858	J	10.0 #		ug/L	10
Arsenic, SPLP	6.68		6.74		1.0 #		ug/L	10
Beryllium, SPLP	0.0000260	U	-0.00669	U	25831.0 #		ug/L	10
Cadmium, SPLP	0.00343	U	0.00929	U	171.0 #		ug/L	10
Copper, SPLP	0.359	J	0.323	U	10.0 #		ug/L	10
Lead, SPLP	0.505		0.493	J	2.0 #		ug/L	10
Thallium, SPLP	0.00155	U	-0.00234	U	251.0 #		ug/L	10
Vanadium, SPLP	0.208		0.0754	U	64.0 #		ug/L	10
Zinc, SPLP	0.973	J	0.964	U	1.0 #		ug/L	10

* Values outside of QC limits

Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

00307

SERIAL DILUTION

USEPA-6020A

S-SO-56394-DR-012010-1038

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810B

Client: SulTRAC

Project: Plainwell Mill

Matrix: Soil

% Solids:

Laboratory ID: 0B22027-SRD4

QC Batch: 0B22027

Lab Source ID: 1002038-14

Sequence: 0B22027

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Antimony, SPLP	0.293		0.308	U	5.0 #		ug/L	10
Arsenic, SPLP	0.304		0.00314	U	99.0 #		ug/L	10
Beryllium, SPLP	0.00655	U	0.0259	U	295.0 #		ug/L	10
Cadmium, SPLP	0.0360	J	0.0366	U	2.0 #		ug/L	10
Copper, SPLP	1.23		1.25	J	2.0 #		ug/L	10
Lead, SPLP	4.61		4.77		3.0		ug/L	10
Thallium, SPLP	0.00467	U	-0.000865	U	119.0 #		ug/L	10
Vanadium, SPLP	0.207		0.0802	U	61.0 #		ug/L	10
Zinc, SPLP	4.09	J	4.27	J	4.0 #		ug/L	10

* Values outside of QC limits

Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810B

Client: SulTRAC Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-011810-062	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-011810-062	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-011810-062	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-011810-062	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011810-062	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011810-062	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011810-062	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011810-062	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011810-062	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011810-062	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011810-062	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011810-062	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011810-062	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011810-062	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011810-072	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-011810-072	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-011810-072	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-011810-072	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-011810-072	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011810-072	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011810-072	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011810-072	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011810-072	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810B

Client: SulTRAC Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-011810-072	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011810-072	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011810-072	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011810-072	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011810-057	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-011810-057	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-011810-057	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011810-057	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011810-057	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011810-057	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011810-057	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011810-057	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011810-057	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011810-057	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011810-057	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011810-057	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011810-057	01/18/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-011910-1024	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-DR-011910-1024	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-DR-011910-1024	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-011910-1024	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-011910-1024	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810B

Client: SulTRAC

Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-DR-011910-1024	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-011910-1024	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-011910-1024	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-011910-1024	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-011910-1024	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-011910-1024	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-011910-1024	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-011910-1024	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
SD-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	

00311

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810B

Client: SulTRAC

Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
SD-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
SD-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
SD-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
SD-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
SD-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
SD-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
SD-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
SD-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
SD-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
SD-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
SD-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
SD-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
SD-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-081	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-011910-081	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-011910-081	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-081	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-081	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-081	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-081	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-081	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-081	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-081	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810B

Client: SulTRAC

Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-011910-081	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-081	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-081	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-086	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-011910-086	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-011910-086	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-011910-086	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-011910-086	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-086	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-086	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-086	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-086	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-086	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-086	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-086	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-086	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	

: 00313

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810B

Client: SulTRAC Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-011910-090	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-011910-090	01/19/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012010-094	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810B

Client: SulTRAC

Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012010-099	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012010-099	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	

00315

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810B

Client: SulTRAC

Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-DR-012010-1031	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810B

Client: SulTRAC

Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-DR-012010-1038	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810B

Client: SulTRAC Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810B

Client: SulTRAC

Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810B

Client: SulTRAC Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012010-105	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012010-105	01/20/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-107	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810B

Client: SulTRAC Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012110-109	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-109	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-114	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810B

Client: SulTRAC Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012110-116	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-116	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/10/10	6	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	

: 00322

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810B

Client: SulTRAC

Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012110-118	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	
S-SO-56394-CB-012110-118	01/21/10	01/21/10	02/04/10	02/08/10	4	NA	02/22/10	18	180	

Metals, Soil, 3020A SPLP Digestion

66324

Batch comments:

MAS 02/08/10 7:00AM-4:00PM
INST#217@93.3C#223
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client: Source ID	Client: Spike ID	Client: uL Spike	Comments
1001061-BLK1		Feb-08-10 07:00	MAS	25	125				
1001061-BLK2		Feb-08-10 07:00	MAS	25	125				
1001061-BS1		Feb-08-10 07:00	MAS	25	125		9120029	25	
1001061-BS2		Feb-08-10 07:00	MAS	25	125		9120029	25	
1001061-MS1		Feb-08-10 07:00	MAS	25	125	1002038-12	9120029	25	
1001061-MS2		Feb-08-10 07:00	MAS	25	125	1002038-12	9120029	25	
1001061-MSD1		Feb-08-10 07:00	MAS	25	125	1002038-12	9120029	25	
1001061-MSD2		Feb-08-10 07:00	MAS	25	125	1002038-12	9120029	25	
1001061-PS1		Feb-10-10 13:00	DSC	1	5	1002038-12	9120102	25	
1001061-PS2		Feb-22-10 16:00	DWJ	2	10	1002038-12	9120102	50	[Spk] 25mL->125mL; 10mL->10mL; Spike
1002038-01	A 01	Feb-08-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					
1002038-02	A 01	Feb-08-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					
1002038-03	A 01	Feb-08-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					
1002038-04	A 01	Feb-08-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					

Comments:	Analyst Initials:

Metals, Soil, 3020A SPLP Digestion

0325

Batch comments:
MAS 02/08/10 7:00AM-4:00PM
INST#217@93.3C#223
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments		
1002038-05	A 01	Feb-08-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*		*Be SPLP 6020*		*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*		*Tl SPLP 6020*		*V SPLP 6020*	*Zn SPLP 6020*					
1002038-06	A 01	Feb-08-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*		*Be SPLP 6020*		*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*		*Tl SPLP 6020*		*V SPLP 6020*	*Zn SPLP 6020*					
1002038-07	A 01	Feb-08-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*		*Be SPLP 6020*		*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*		*Tl SPLP 6020*		*V SPLP 6020*	*Zn SPLP 6020*					
1002038-08	A 01	Feb-08-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*		*Be SPLP 6020*		*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*		*Tl SPLP 6020*		*V SPLP 6020*	*Zn SPLP 6020*					
1002038-09	A 01	Feb-08-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*		*Be SPLP 6020*		*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*		*Tl SPLP 6020*		*V SPLP 6020*	*Zn SPLP 6020*					
1002038-10	A 01	Feb-08-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*		*Be SPLP 6020*		*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*		*Tl SPLP 6020*		*V SPLP 6020*	*Zn SPLP 6020*					
1002038-11	A 01	Feb-08-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*		*Be SPLP 6020*		*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*		*Tl SPLP 6020*		*V SPLP 6020*	*Zn SPLP 6020*					
1002038-12	A 01	Feb-08-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*		*Be SPLP 6020*		*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*		*Tl SPLP 6020*		*V SPLP 6020*	*Zn SPLP 6020*					
1002038-12RE1	A 01	Feb-08-10 07:00	DSC	25	125	SulTRAC			Added for SequenceQC in: 0B22027	Added for SequenceQC in: 0B22027	
Ag SPLP 6020	*As SPLP 6020*		*Se SPLP 6020*		*Zn SPLP 6020*						

Comments:

Analyst Initials:

Metals, Soil, 3020A SPLP Digestion

90326

Batch comments:
MAS 02/08/10 7:00AM-4:00PM
INST#217@93.3C#223
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	*Container*	*Prepared*	*By*	*Initial (mL)*	*Final (mL)*	*Client* Source ID	*Client* Spike ID	*Client* uL Spike	*Comments*
1002038-13	A 01	Feb-08-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					

Comments:	Analyst Initials:

Metals, Soil, 3020A SPLP Digestion

8327

Batch comments:

MAS 02/08/10 7:00AM-4:00PM
INST#217@93.3C#223
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client: Source ID	Client: Spike ID	Client: uL Spike	Comments
1001063-BLK1		Feb-08-10 07:00	MAS	25	125				
1001063-BLK2		Feb-08-10 07:00	MAS	25	125				
1001063-BS1		Feb-08-10 07:00	MAS	25	125		9120029	25	
1001063-BS2		Feb-08-10 07:00	MAS	25	125		9120029	25	
1001063-MS1		Feb-08-10 07:00	MAS	25	125	1002038-14	9120029	25	
1001063-MS2		Feb-08-10 07:00	MAS	25	125	1002038-14	9120029	25	
1001063-MSD1		Feb-08-10 07:00	MAS	25	125	1002038-14	9120029	25	
1001063-MSD2		Feb-08-10 07:00	MAS	25	125	1002038-14	9120029	25	
1001063-PS1		Feb-10-10 13:00	DSC	1	5	1002038-14	9120102	25	
1001063-PS2		Feb-22-10 18:00	DWJ	2	10	1002038-14	9120102	50	[Spk] 25mL->125mL; 10mL->10mL; Spike
1002038-14	A 01	Feb-08-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					
1002038-14RE1	A 01	Feb-08-10 07:00	DSC	25	125	SulTRAC			Added for SequenceQC in: 0B22027 Added for SequenceQC in: 0B22027
Ag SPLP 6020	*As SPLP 6020*	*Se SPLP 6020*	*Zn SPLP 6020*						
1002038-15	A 01	Feb-08-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					
1002038-16	A 01	Feb-08-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					
1002038-17	A 01	Feb-08-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					

Comments:

Analyst Initials:

Metals, Soil, 3020A SPLP Digestion

99328

Batch comments:
MAS 02/08/10 7:00AM-4:00PM
INST#217@93.3C#223
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Spike ID	uL Spike	Comments
1002038-18	A 01	Feb-08-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					
1002038-19	A 01	Feb-08-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					
1002038-20	A 01	Feb-08-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					
1002038-21	A 01	Feb-08-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					
1002038-22	A 01	Feb-08-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					
1002038-23	A 01	Feb-08-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					
1002038-24	A 01	Feb-08-10 07:00	MAS	25	125	SulTRAC			
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*		
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*					

Comments:

Analyst Initials:

2/11

due 2-15
CRTD: 02/11/23

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence

Instrument #: 114
Data File: CB10035
Date: 2-10-10
Calibration BLK/ICB/CCB: 1% HNO3 LOT#1109060
Analyst: DSL
Internal Standard #: 9110477

All samples are run at a 5x dilution which is accounted for on the prep benchsheet

Autosampler Position:

1. BLK/ICB/CCB/9120094
2. ICV/SCV/CCV 40ug/L 0010901
3. STD2 0.2 ug/L 9120100
4. STD3 1.0 ug/L 9120099
5. STD4 10 ug/L 9120098
6. STD5 20 ug/L 9120097
7. STD6 50 ug/L 9120096
8. STD7 100 ug/L 9120095
9. STD1 0.04 ug/L 9120101
10. IFA1 0010903
11. IFB1 0010904

Analysis # / Position #	ID	Dilution			Analysis # / Position #	ID	Dilution		
		Initial Volume (mL)	Final Volume (mL)	Dilution Factor			Initial Volume (mL)	Final Volume (mL)	Dilution Factor
1/17	1001069-blk1				35/51	1002538-23			
2/18	5S1				36/52	-24			
3/19	1002538-01				37/53				
4/20	-02				38/54				
5/21	-03				39/55				
6/22	-04				40/56				
7/23	05				41/57				
8/24	06				42/58				
9/25	-07				43/59				
10/26	08				44/60				
11/27	09				45/61				
12/28	10				46/62				
13/29	-11				47/63				
14/30	-12				48/64				
15/31	MS1				49/65				
16/32	MSD1				50/66	removed all			
17/33	SRD1				51/67				
18/34	DS1				52/68	AS2n			
19/35	-13				53/69				
20/36	1001063-blk1				54/70	task results			
21/37	6S1				55/71	from 022207			
22/38	1002538-14				56/72				
23/39	MS1				57/73				
24/40	MSD1				58/74				
25/41	SRD2				59/75				
26/42	DS1				60/76				
27/43	15				61/77				
28/44	16				62/78				
29/45	-17				63/79				
30/46	18				64/80				
31/47	19				65/81				
32/48	-20				66/82				
33/49	-21				67/83				
34/50	22 -24				68/84				

Instrument Tuning Report

File Name: 10FEB2010_6020A_C.tun
File Path: C:\Elandata\Tuning

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
Li	7.016	7.026	1543	2025	0.844	
Co	58.933	58.929	14188	2005	0.843	
In	114.904	114.929	27854	2000	0.851	
Ba	137.905	137.929	33465	1990	0.881	
Ce	139.905	139.929	33942	1985	0.882	
Tl	204.975	204.927	49812	1980	0.864	

Daily Performance Report

Sample ID: 0010896
Sample Date/Time: Wednesday, February 10, 2010 14:07:09
Sample Description:
Method File: C:\elandata\Method\6020A_Daily.mth
Dataset File: C:\elandata\Dataset\daily performance\0010896.2542
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac
Dual Detector Mode: Dual

Acq. Dead Time(ns): 70
Current Dead Time (ns): 70

Number of Replicates: 6

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Li	7.0	3760.5	3760.490	71.404	1.9
	Co	58.9	89509.0	89508.996	1658.061	1.9
	In	114.9	247675.1	247675.106	6414.022	2.6
	Tl	205.0	163425.9	163425.885	2316.572	1.4
⌈>	Ba	137.9	190325.5	190325.502	3781.665	2.0
⌊	Ba++	69.0	3033.5	0.016	0.000	2.6
⌈>	Ce	139.9	241500.0	241500.050	3532.625	1.5
⌊	CeO	155.9	5681.1	0.024	0.001	2.3
	Bkgd	220.0	7.8	7.833	1.472	18.8

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	3896.062	3896.062
Co	59	91606.682	91606.682
In	115	243808.405	243808.405
Tl	205	162601.929	162601.929
Ba	138	186255.017	186255.017
Ba++	69	2945.607	0.016
Ce	140	243040.645	243040.645
CeO	156	5742.307	0.024
Bkgd	220	9.000	9.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	3773.997	3773.997
Co	59	88038.228	88038.228
In	115	259152.670	259152.670
Tl	205	166329.292	166329.292
Ba	138	190093.191	190093.191
Ba++	69	3044.649	0.016
Ce	140	238819.797	238819.797
CeO	156	5648.232	0.024
Bkgd	220	7.000	7.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	3752.986	3752.986
Co	59	90102.733	90102.733
In	115	240134.052	240134.052
Tl	205	162251.085	162251.085
Ba	138	192542.305	192542.305
Ba++	69	2968.617	0.015
Ce	140	242589.697	242589.697
CeO	156	5677.255	0.023
Bkgd	220	10.000	10.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	3718.968	3718.968
Co	59	87675.811	87675.811
In	115	248751.393	248751.393

Tl	205	165384.736	165384.736
Ba	138	196595.050	196595.050
Ba++	69	3071.660	0.016
Ce	140	236002.438	236002.438
CeO	156	5492.111	0.023
Bkgd	220	8.000	8.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	3701.959	3701.959
Co	59	88534.303	88534.303
In	115	247508.169	247508.169
Tl	205	164044.353	164044.353
Ba	138	187256.585	187256.585
Ba++	69	3036.645	0.016
Ce	140	246011.805	246011.805
CeO	156	5602.196	0.023
Bkgd	220	7.000	7.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	3718.968	3718.968
Co	59	91096.216	91096.216
In	115	246695.946	246695.946
Tl	205	159943.917	159943.917
Ba	138	189210.866	189210.866
Ba++	69	3133.687	0.017
Ce	140	242535.916	242535.916
CeO	156	5924.456	0.024
Bkgd	220	6.000	6.000

Sample/Batch Report

User Name: Administrator
Computer Name: ELAN6000_22
Sample File: C:\Elandata\Sample\0B10035.sam
Report Date/Time: Wednesday, February 10, 2010 14:13:58

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
17		1001061-BLK1		Sample					
18		1001061-BS1		Sample					
19		1002038-01		Sample					
20		1002038-02		Sample					
21		1002038-03		Sample					
22		1002038-04		Sample					
23		1002038-05		Sample					
24		1002038-06		Sample					
25		1002038-07		Sample					
26		1002038-08		Sample					
27		1002038-09		Sample					
28		1002038-10		Sample					
29		1002038-11		Sample					
30		1002038-12		Sample					
31		1001061-MS1		Sample					
32		1001061-MSD1		Sample					
33		0B10035-SRD1		Sample					
34		1001061-PS1		Sample					
35		1002038-13		Sample					
36		1001063-BLK1		Sample					
37		1001063-BS1		Sample					
38		1002038-14		Sample					
39		1001063-MS1		Sample					
40		1001063-MSD1		Sample					
41		0B10035-SRD2		Sample					
42		1001063-PS1		Sample					
43		1002038-15		Sample					
44		1002038-16		Sample					
45		1002038-17		Sample					
46		1002038-18		Sample					
47		1002038-19		Sample					
48		1002038-20		Sample					
49		1002038-21		Sample					
50		1002038-22		Sample					
51		1002038-23		Sample					
52		1002038-24		Sample					

Sample Information

Sample ID: 0B10035-CAL1
Autosampler Position: 1
Sample Date/Time: Wednesday, February 10, 2010 14:14:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\0B10035-CAL1.001
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	8962.377					ug/L
	Cr	53	394.015					ug/L
	Co	59	135.336					ug/L
	Zn	66	292.676					ug/L
	Zn	68	417.016					ug/L
>	Ge	72	278393.919					ug/L
	As	75	241.385					ug/L
	Se	77	108.669					ug/L
	Se	82	12.303					ug/L
>	Rh	103	339889.634					ug/L
	Ag	107	32.000					ug/L
	Cd	111	3.310					ug/L
	Cd	114	8.918					ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type | Analyte | Mass | Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	9155.868			ug/L
	Cr	53	400.018			ug/L
	Co	59	152.003			ug/L
	Zn	66	299.008			ug/L
	Zn	68	409.016			ug/L
>	Ge	72	279804.184			ug/L
	As	75	258.213			ug/L
	Se	77	101.002			ug/L
	Se	82	29.341			ug/L
>	Rh	103	338340.088			ug/L
	Ag	107	31.000			ug/L
	Cd	111	7.553			ug/L

00334

	Cd	114	10 814			ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	8899 830			ug/L
Cr	53	388 013			ug/L
Ce	58	138 003			ug/L
Zn	66	297 009			ug/L
Zn	68	425 017			ug/L
Ge	72	280343 333			ug/L
As	75	201.783			ug/L
Se	77	113 002			ug/L
Se	82	9 289			ug/L
Rh	103	343770 434			ug/L
Ag	107	30 000			ug/L
Cd	111	1 298			ug/L
Cd	114	5 670			ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	8831 846			ug/L
Cr	53	416 018			ug/L
Ce	58	115 002			ug/L
Zn	66	292 009			ug/L
Zn	68	419 016			ug/L
Ge	72	275234 238			ug/L
As	75	264.177			ug/L
Se	77	112 002			ug/L
Se	82	-1 700			ug/L
Rh	103	337568.374			ug/L
Ag	107	35 000			ug/L
Cd	111	1.108			ug/L
Cd	114	10 289			ug/L

Sample ID: 0B10035-CAL1
Report Date/Time: Wednesday, February 10, 2010 14:15:58

Sample Information

Sample ID: 0B10035-CAL2
Autosampler Position: 9
Sample Date/Time: Wednesday, February 10, 2010 14:18:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\0B10035-CAL2.002
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	9101.889	0.001				ug/L
	Cr	53	438.351	0.000				ug/L
	Co	59	513.690	0.001				ug/L
	Zn	66	337.678	0.000				ug/L
	Zn	68	462.353	0.000				ug/L
>	Ge	72	273561.107	273561.107				ug/L
	As	75	260.754	0.000				ug/L
	Se	77	107.002	0.000				ug/L
	Se	82	4.269	-0.000				ug/L
>	Rh	103	337554.542	337554.542				ug/L
	Ag	107	354.679	0.001	0.040000	0.002	4.993	ug/L
	Cd	111	84.722	0.000	0.040000	0.007	18.274	ug/L
	Cd	114	194.677	0.001	0.040000	0.002	5.485	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	8939.680	0.000		ug/L
	Cr	53	481.018	0.000		ug/L
	Co	59	508.023	0.001		ug/L
	Zn	66	345.012	0.000		ug/L
	Zn	68	480.021	0.000		ug/L
>	Ge	72	277874.018	277874.018		ug/L
	As	75	278.631	0.000		ug/L
	Se	77	115.002	0.000		ug/L
	Se	82	9.788	0.000		ug/L
>	Rh	103	341943.787	341943.787		ug/L
	Ag	107	351.012	0.001	0.039865	ug/L
	Cd	111	89.453	0.000	0.041756	ug/L

: 00336

	Cd	114	196 840	0 001	0 038828	ug/L

Repeat 2

Analyte	Mass	Meas Intensity	Net Intensity	Concentration	Report Unit
Cr	52	9877 728	0 001		ug/L
Cr	53	410 016	0 000		ug/L
Co	59	543 036	0 002		ug/L
Zn	66	338 011	0 000		ug/L
Zn	68	440 018	0 000		ug/L
Ge	72	268801 708	268801 708		ug/L
As	75	257 008	0 000		ug/L
Se	77	91 001	0 000		ug/L
Se	82	4 163	-0 000		ug/L
Rh	103	334308 737	334308 737		ug/L
Ag	107	341 013	0 001	0 038714	ug/L
Cd	111	96 561	0 000	0 046272	ug/L
Cd	114	182 867	0 001	0 037844	ug/L

Repeat 3

Analyte	Mass	Meas Intensity	Net Intensity	Concentration	Report Unit
Cr	52	9386 280	0 002		ug/L
Cr	53	444 018	0 000		ug/L
Co	59	493 032	0 001		ug/L
Zn	66	330 011	0 000		ug/L
Zn	68	467 020	0 000		ug/L
Ge	72	273207 588	273207 588		ug/L
As	75	246 624	0 000		ug/L
Se	77	115 002	0 000		ug/L
Se	82	18 411	0 000		ug/L
Rh	103	338411 083	338411 083		ug/L
Ag	107	372 013	0 001	0 042301	ug/L
Cd	111	88 152	0 000	0 031972	ug/L
Cd	114	204 323	0 001	0 042230	ug/L

Sample Information

Sample ID: 0B10035-CAL3
Autosampler Position: 3
Sample Date/Time: Wednesday, February 10, 2010 14:21:26
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\0B10035-CAL3.003
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	10226.418	0.005	0.200000	0.020	9.871	ug/L
	Cr	53	599.698	0.001	0.200000	0.038	19.087	ug/L
	Co	59	2014.638	0.007	0.200000	0.009	4.505	ug/L
	Zn	66	596.031	0.001	0.200000	0.024	12.033	ug/L
	Zn	68	620.366	0.001	0.200000	0.015	7.655	ug/L
>	Ge	72	273000.851	273000.851				ug/L
	As	75	576.376	0.001	0.200000	0.014	7.245	ug/L
	Se	77	130.002	0.000	0.200000	0.139	69.585	ug/L
	Se	82	48.709	0.000	0.200000	0.055	27.608	ug/L
>	Rh	103	337806.633	337806.633				ug/L
	Ag	107	1749.232	0.005	0.200454	0.005	2.546	ug/L
	Cd	111	432.399	0.001	0.200391	0.008	3.994	ug/L
	Cd	114	936.791	0.003	0.199987	0.006	3.133	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	10288.604	0.006	0.222798	ug/L
	Cr	53	587.028	0.001	0.174844	ug/L
	Co	59	2021.308	0.007	0.202986	ug/L
	Zn	66	606.032	0.001	0.208718	ug/L
	Zn	68	598.031	0.001	0.184689	ug/L
>	Ge	72	270250.196	270250.196		ug/L
	As	75	577.288	0.001	0.203987	ug/L
	Se	77	113.002	0.000	0.084931	ug/L
	Se	82	49.326	0.000	0.205880	ug/L
>	Rh	103	335120.487	335120.487		ug/L
	Ag	107	1693.218	0.005	0.196563	ug/L
	Cd	111	423.411	0.001	0.197898	ug/L

L	Cd	114	980 779	0 003	0 208761	ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	10170 337	0 006	0 188832	ug/L
]	Cr	53	848 036	0 001	0 243834	ug/L
[	Co	59	1924 276	0 007	0 188888	ug/L
]	Zn	66	628 034	0 001	0 217888	ug/L
]	Zn	68	638 036	0 001	0 215307	ug/L
] >	Ge	72	273888 801	273888 801		ug/L
[	As	75	588 470	0 001	0 212101	ug/L
]	Se	77	147 003	0 000	0 342936	ug/L
L	Se	82	58 406	0 000	0 251883	ug/L
[>	Rh	103	345378 344	345378 344		ug/L
]	Ag	107	1834 284	0 006	0 206738	ug/L
]	Cd	111	428 486	0 001	0 184083	ug/L
L	Cd	114	831 538	0 003	0 184401	ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	10222 412	0 006	0 188873	ug/L
]	Cr	53	564 030	0 001	0 181232	ug/L
[	Co	59	2088 329	0 007	0 207307	ug/L
]	Zn	66	568 027	0 001	0 172588	ug/L
]	Zn	68	626 034	0 001	0 200004	ug/L
] >	Ge	72	275082 568	275082 568		ug/L
]	As	75	563 380	0 001	0 183841	ug/L
]	Se	77	130 002	0 000	0 192133	ug/L
L	Se	82	36 398	0 000	0 142038	ug/L
[>	Rh	103	332920 088	332920 088		ug/L
]	Ag	107	1720 224	0 006	0 200070	ug/L
]	Cd	111	445 328	0 001	0 206384	ug/L
[	Cd	114	918 056	0 003	0 188800	ug/L

Sample ID: 0B10035-CAL3
Report Date/Time: Wednesday, February 10, 2010 14:22:30

Sample Information

Sample ID: 0B10035-CAL4
Autosampler Position: 4
Sample Date/Time: Wednesday, February 10, 2010 14:24:42
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\0B10035-CAL4.004
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	16297.069	0.027	1.001604	0.043	4.251	ug/L
	Cr	53	1297.464	0.003	0.993474	0.013	1.265	ug/L
	Co	59	9650.612	0.035	1.000427	0.006	0.635	ug/L
	Zn	66	1397.484	0.004	0.985123	0.015	1.492	ug/L
	Zn	68	1219.116	0.003	0.988412	0.033	3.294	ug/L
>	Ge	72	273081.770	273081.770				ug/L
	As	75	1757.102	0.006	0.995501	0.044	4.385	ug/L
	Se	77	214.672	0.000	0.996889	0.167	16.708	ug/L
	Se	82	159.499	0.001	0.990714	0.074	7.507	ug/L
>	Rh	103	343914.169	343914.169				ug/L
	Ag	107	8651.657	0.025	0.999532	0.011	1.053	ug/L
	Cd	111	2040.704	0.006	0.997192	0.014	1.430	ug/L
	Cd	114	4741.776	0.014	1.000064	0.010	1.012	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	16486.168	0.026	1.045778	ug/L
	Cr	53	1278.127	0.003	0.984548	ug/L
	Co	59	9620.571	0.036	1.000042	ug/L
	Zn	66	1387.144	0.004	0.958826	ug/L
	Zn	68	1233.119	0.003	1.019451	ug/L
>	Ge	72	270726.746	270726.746		ug/L
	As	75	1768.719	0.006	1.031518	ug/L
	Se	77	226.008	0.000	1.118984	ug/L
	Se	82	163.467	0.001	1.026706	ug/L
>	Rh	103	343080.897	343080.897		ug/L
	Ag	107	8700.382	0.025	1.007808	ug/L
	Cd	111	2004.318	0.006	0.981747	ug/L

: 00340

L	Cd	114	4882.709	0.014	0.998976	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
I	Cr	52	16344.843	0.027	0.998218	ug/L
I	Cr	53	1298.131	0.003	0.998035	ug/L
I	Co	59	9705.687	0.035	1.001714	ug/L
I	Zn	66	1406.163	0.004	0.998175	ug/L
I	Zn	68	1196.112	0.003	0.963810	ug/L
I >	Ge	72	274286.771	274286.771		ug/L
I	As	75	1784.316	0.006	1.008037	ug/L
I	Se	77	185.008	0.000	0.807190	ug/L
I	Se	82	147.441	0.000	0.805191	ug/L
I >	Rh	103	345212.583	345212.583		ug/L
I	Ag	107	8717.403	0.025	1.003368	ug/L
I	Cd	111	2084.107	0.006	0.998881	ug/L
I	Cd	114	4807.778	0.014	1.010210	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
I	Cr	52	16080.198	0.026	0.980817	ug/L
I	Cr	53	1316.134	0.003	1.007846	ug/L
I	Co	59	9626.677	0.035	0.993528	ug/L
I	Zn	66	1417.156	0.004	0.987388	ug/L
I	Zn	68	1228.118	0.003	0.982974	ug/L
I >	Ge	72	274232.784	274232.784		ug/L
I	As	75	1680.371	0.006	0.948849	ug/L
I	Se	77	223.008	0.000	1.054663	ug/L
I	Se	82	167.588	0.001	1.040247	ug/L
I >	Rh	103	343439.047	343439.047		ug/L
I	Ag	107	8537.184	0.025	0.987631	ug/L
I	Cd	111	2083.688	0.006	1.000848	ug/L
I	Cd	114	4734.864	0.014	1.000008	ug/L

Sample ID: 0B10035-CAL4
Report Date/Time: Wednesday, February 10, 2010 14:25:47

Sample Information

Sample ID: 0B10035-CAL5
Autosampler Position: 5
Sample Date/Time: Wednesday, February 10, 2010 14:27:59
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\0B10035-CAL5.005
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	82275.962	0.268	9.997463	0.170	1.700	ug/L
	Cr	53	9423.974	0.033	9.998048	0.132	1.315	ug/L
	Co	59	95058.631	0.346	9.999341	0.136	1.364	ug/L
	Zn	66	12647.981	0.045	10.008690	0.167	1.666	ug/L
	Zn	68	9213.365	0.032	10.006702	0.261	2.603	ug/L
>	Ge	72	274242.830	274242.830				ug/L
	As	75	15965.601	0.057	10.002546	0.029	0.287	ug/L
	Se	77	1279.461	0.004	10.007331	0.361	3.612	ug/L
	Se	82	1623.965	0.006	10.007510	0.358	3.578	ug/L
>	Rh	103	338623.081	338623.081				ug/L
	Ag	107	87269.077	0.258	10.002756	0.043	0.435	ug/L
	Cd	111	20061.250	0.059	9.999699	0.214	2.135	ug/L
	Cd	114	46628.839	0.138	10.000054	0.034	0.341	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	81982.381	0.264	9.847108	ug/L
	Cr	53	9382.252	0.032	9.852153	ug/L
	Co	59	95381.683	0.344	9.937583	ug/L
	Zn	66	12713.431	0.045	9.982298	ug/L
	Zn	68	9256.137	0.032	9.997105	ug/L
>	Ge	72	276876.947	276876.947		ug/L
	As	75	16081.486	0.057	9.978686	ug/L
	Se	77	1268.125	0.004	9.778904	ug/L
	Se	82	1573.431	0.006	9.598648	ug/L
>	Rh	103	337863.157	337863.157		ug/L
	Ag	107	87368.988	0.258	10.042729	ug/L
	Cd	111	19867.911	0.058	9.846679	ug/L

Sample ID: 0B10035-CAL5
Report Date/Time: Wednesday, February 10, 2010 14:29:04

	Cd	114	46801.302	0.138	10.001075	ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	82265.082	0.273	10.181880	ug/L
	Cr	53	9368.234	0.033	10.107502	ug/L
	Co	59	94886.387	0.352	10.156725	ug/L
	Zn	66	12888.353	0.046	10.193752	ug/L
	Zn	68	9286.137	0.033	10.271883	ug/L
>	Ge	72	269792.381	269792.381		ug/L
	As	75	15756.286	0.058	10.034467	ug/L
	Se	77	1307.133	0.004	10.424038	ug/L
	Se	82	1639.722	0.006	10.284540	ug/L
>	Rh	103	336758.282	336758.282		ug/L
	Ag	107	67368.843	0.256	10.008082	ug/L
	Cd	111	20646.611	0.081	10.243839	ug/L
	Cd	114	46488.275	0.137	9.986488	ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	82660.448	0.287	9.983401	ug/L
	Cr	53	9520.438	0.033	10.034488	ug/L
	Co	59	94785.833	0.343	9.804718	ug/L
	Zn	66	12581.161	0.044	9.670031	ug/L
	Zn	68	9049.820	0.031	9.761116	ug/L
>	Ge	72	276059.183	276059.183		ug/L
	As	75	16059.009	0.057	9.994487	ug/L
	Se	77	1288.125	0.004	9.819068	ug/L
	Se	82	1658.743	0.006	10.159441	ug/L
>	Rh	103	339446.802	339446.802		ug/L
	Ag	107	67077.423	0.256	9.956478	ug/L
	Cd	111	19827.227	0.059	9.908878	ug/L
	Cd	114	46898.840	0.138	10.033801	ug/L

Sample ID: 0B10035-CAL5
Report Date/Time: Wednesday, February 10, 2010 14:29:04

Sample Information

Sample ID: 0B10035-CAL6
Autosampler Position: 6
Sample Date/Time: Wednesday, February 10, 2010 14:31:15
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\0B10035-CAL6.006
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	159238.456	0.559	20.167886	0.325	1.611	ug/L
	Cr	53	18791.543	0.068	20.143860	0.061	0.304	ug/L
	Co	59	191550.521	0.711	20.104349	0.609	3.029	ug/L
	Zn	66	25356.518	0.093	20.131566	0.518	2.575	ug/L
	Zn	68	18170.939	0.066	20.110629	0.646	3.210	ug/L
>	Ge	72	269409.520	269409.520				ug/L
	As	75	31798.765	0.117	20.087049	0.550	2.736	ug/L
	Se	77	2480.456	0.009	20.123718	0.382	1.897	ug/L
	Se	82	3244.542	0.012	20.084229	0.390	1.940	ug/L
>	Rh	103	334881.567	334881.567				ug/L
	Ag	107	175338.724	0.523	20.064836	0.062	0.308	ug/L
	Cd	111	41383.972	0.124	20.167763	0.068	0.338	ug/L
	Cd	114	96097.580	0.287	20.164255	0.148	0.733	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	159185.387	0.550	19.847086	ug/L
	Cr	53	19066.804	0.068	20.142325	ug/L
	Co	59	188420.873	0.688	19.483840	ug/L
	Zn	66	25025.011	0.090	19.589820	ug/L
	Zn	68	17813.382	0.064	19.408082	ug/L
>	Ge	72	273371.703	273371.703		ug/L
	As	75	31294.888	0.114	19.473114	ug/L
	Se	77	2547.480	0.008	20.381271	ug/L
	Se	82	3298.086	0.012	20.120829	ug/L
>	Rh	103	334344.347	334344.347		ug/L
	Ag	107	174887.344	0.523	20.042783	ug/L
	Cd	111	41427.226	0.124	20.221478	ug/L

Sample ID: 0B10035-CAL6
Report Date/Time: Wednesday, February 10, 2010 14:32:18

L	Cd	114	95329.440	0.286	20.034688	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	180991.858	0.548	20.498686	ug/L
Cr	53	18863.811	0.066	20.083473	ug/L
Co	59	190875.213	0.712	20.128008	ug/L
Zn	66	25376.280	0.084	20.233622	ug/L
Zn	68	18586.309	0.066	20.678766	ug/L
Ge	72	268216.639	268216.639		ug/L
As	75	31827.805	0.118	20.254702	ug/L
Se	77	2490.459	0.009	20.304827	ug/L
Se	82	3288.294	0.012	20.464209	ug/L
Rh	103	337444.182	337444.182		ug/L
Ag	107	176382.016	0.522	20.017087	ug/L
Cd	111	41747.548	0.124	20.180830	ug/L
Cd	114	96881.731	0.286	20.132439	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	157568.326	0.556	20.168086	ug/L
Cr	53	18664.514	0.066	20.206785	ug/L
Co	59	199258.977	0.732	20.701204	ug/L
Zn	66	25088.294	0.086	20.581357	ug/L
Zn	68	18104.086	0.066	20.243030	ug/L
Ge	72	268640.219	268640.219		ug/L
As	75	32173.800	0.120	20.533333	ug/L
Se	77	2403.428	0.009	19.686067	ug/L
Se	82	3146.246	0.012	19.677648	ug/L
Rh	103	332856.191	332856.191		ug/L
Ag	107	174888.812	0.526	20.134888	ug/L
Cd	111	40877.132	0.125	20.091185	ug/L
Cd	114	95281.568	0.289	20.325468	ug/L

: 00345

Sample Information

Sample ID: 0B10035-CAL7
Autosampler Position: 7
Sample Date/Time: Wednesday, February 10, 2010 14:34:29
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\0B10035-CAL7.007
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	378581.642	1.366	49.877226	0.986	1.977	ug/L
	Cr	53	45651.209	0.167	49.875429	0.470	0.942	ug/L
	Co	59	475378.482	1.754	49.937839	0.064	0.129	ug/L
	Zn	66	62466.292	0.230	49.939757	0.411	0.824	ug/L
	Zn	68	45567.708	0.167	50.136360	0.820	1.636	ug/L
>	Ge	72	270884.181	270884.181				ug/L
	As	75	78517.526	0.289	49.922756	1.318	2.640	ug/L
	Se	77	6051.957	0.022	50.018302	0.377	0.754	ug/L
	Se	82	8172.689	0.030	50.072338	1.474	2.944	ug/L
>	Rh	103	330681.929	330681.929				ug/L
	Ag	107	433618.344	1.311	50.042574	0.236	0.472	ug/L
	Cd	111	101071.520	0.306	49.980598	1.333	2.666	ug/L
	Cd	114	235786.062	0.713	50.017588	0.358	0.717	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	378686.628	1.361	49.709453	ug/L
	Cr	53	45940.723	0.168	50.017416	ug/L
	Co	59	476387.075	1.752	49.870981	ug/L
	Zn	66	62434.297	0.229	49.743143	ug/L
	Zn	68	44808.158	0.164	49.229856	ug/L
>	Ge	72	271821.186	271821.186		ug/L
	As	75	77052.562	0.283	48.911900	ug/L
	Se	77	6112.676	0.022	50.350801	ug/L
	Se	82	7976.158	0.029	48.680348	ug/L
>	Rh	103	330404.170	330404.170		ug/L
	Ag	107	435808.090	1.318	50.314482	ug/L
	Cd	111	102041.943	0.309	50.502887	ug/L

L	Cd	114	236329.068	0.715	50.174880	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	374781.575	1.341	49.886888	ug/L
\	Cr	53	45510.981	0.166	49.351053	ug/L
]	Co	59	478840.887	1.756	49.943138	ug/L
^	Zn	66	63617.798	0.232	50.412441	ug/L
)	Zn	68	46529.522	0.169	50.825607	ug/L
I>	Ge	72	272883.664	272883.664		ug/L
/	As	75	78982.812	0.287	49.677207	ug/L
]	Se	77	6047.630	0.022	49.606199	ug/L
L	Se	82	6208.378	0.030	49.902531	ug/L
I>	Rh	103	330821.856	330821.856		ug/L
]	Ag	107	432491.888	1.307	49.891339	ug/L
]	Cd	111	103122.388	0.312	50.873014	ug/L
[	Cd	114	237078.806	0.717	50.270513	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	382294.523	1.396	50.936639	ug/L
\	Cr	53	45801.823	0.168	50.267816	ug/L
]	Co	59	470807.706	1.757	49.999407	ug/L
^	Zn	66	61448.779	0.228	49.663089	ug/L
)	Zn	68	45268.444	0.167	50.384718	ug/L
I>	Ge	72	267847.824	267847.824		ug/L
/	As	75	78837.206	0.287	51.379180	ug/L
]	Se	77	5986.575	0.022	50.086816	ug/L
L	Se	82	8305.533	0.031	51.624139	ug/L
I>	Rh	103	330819.782	330819.782		ug/L
]	Ag	107	432754.086	1.308	49.921902	ug/L
(	Cd	111	99060.216	0.298	49.466082	ug/L
[	Cd	114	233850.221	0.707	49.607382	ug/L

: 00347

Sample Information

Sample ID: 0B10035-CAL8
Autosampler Position: 8
Sample Date/Time: Wednesday, February 10, 2010 14:37:45
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\0B10035-CAL8.008
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	735794.484	2.774	100.301210	2.454	2.446	ug/L
	Cr	53	89214.313	0.339	100.254646	1.416	1.412	ug/L
	Co	59	928484.331	3.542	100.184690	3.316	3.310	ug/L
	Zn	66	120861.274	0.460	100.019352	3.594	3.594	ug/L
	Zn	68	86933.058	0.330	99.831293	3.171	3.177	ug/L
>	Ge	72	262290.013	262290.013				ug/L
	As	75	156559.898	0.596	100.671960	1.798	1.786	ug/L
	Se	77	11758.788	0.044	100.299869	2.792	2.784	ug/L
	Se	82	15893.268	0.061	100.145994	1.167	1.166	ug/L
>	Rh	103	324895.865	324895.865				ug/L
	Ag	107	853921.142	2.629	100.077821	1.882	1.880	ug/L
	Cd	111	201628.283	0.621	100.343782	1.769	1.763	ug/L
	Cd	114	464859.981	1.431	100.096426	2.929	2.926	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	736638.453	2.700	97.630607	ug/L
	Cr	53	90240.351	0.333	98.637628	ug/L
	Co	59	921188.219	3.417	98.654288	ug/L
	Zn	66	119184.466	0.441	98.907487	ug/L
	Zn	68	86156.346	0.318	98.198669	ug/L
>	Ge	72	269572.279	269572.279		ug/L
	As	75	157638.532	0.584	98.586229	ug/L
	Se	77	11726.738	0.043	97.250034	ug/L
	Se	82	16146.161	0.060	98.978816	ug/L
>	Rh	103	333627.984	333627.984		ug/L
	Ag	107	858418.106	2.573	97.941332	ug/L
	Cd	111	203066.937	0.608	98.386872	ug/L

	Cd	114	462978.371	1.388	97.033756	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	720518.359	2.788	100.817146	ug/L
	Cr	53	87794.124	0.342	101.272938	ug/L
	Co	59	932400.068	3.649	103.232718	ug/L
	Zn	66	120780.797	0.472	102.564908	ug/L
	Zn	68	86589.641	0.337	102.047252	ug/L
>	Ge	72	255488.747	255488.747		ug/L
	As	75	154086.717	0.602	101.685851	ug/L
	Se	77	11733.747	0.046	102.726380	ug/L
	Se	82	15481.609	0.061	100.145324	ug/L
>	Rh	103	317177.248	317177.248		ug/L
	Ag	107	845843.289	2.668	101.488034	ug/L
	Cd	111	197806.212	0.624	100.813882	ug/L
	Cd	114	466827.486	1.471	102.671088	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	750324.641	2.934	102.456673	ug/L
	Cr	53	89808.484	0.341	100.653172	ug/L
	Co	59	931688.719	3.568	100.667088	ug/L
	Zn	66	122808.561	0.467	101.585660	ug/L
	Zn	68	88063.287	0.336	101.247987	ug/L
>	Ge	72	261629.012	261629.012		ug/L
	As	75	157978.444	0.602	101.733688	ug/L
	Se	77	11618.883	0.046	100.920182	ug/L
	Se	82	16062.036	0.061	101.313741	ug/L
>	Rh	103	323882.384	323882.384		ug/L
	Ag	107	857701.031	2.648	100.804087	ug/L
	Cd	111	204023.700	0.630	101.830512	ug/L
	Cd	114	484974.076	1.436	100.384423	ug/L

Quantitative Analysis Calibration Report

File Name:
File Path:
Calibration Type: External Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Cr	51.941	Linear Thru Zero	0.03	0.00	0.999976
Cr	52.941	Linear Thru Zero	0.00	0.00	0.999982
Co	58.933	Linear Thru Zero	0.04	0.00	0.999991
Zn	65.926	Linear Thru Zero	0.00	0.00	0.999995
Zn	67.925	Linear Thru Zero	0.00	0.00	0.999988
Ge	71.922	Linear Thru Zero	0.00	0.00	0.000000
As	74.922	Linear Thru Zero	0.01	0.00	0.999922
Se	76.920	Linear Thru Zero	0.00	0.00	0.999982
Se	81.917	Linear Thru Zero	0.00	0.00	0.999994
Rh	102.905	Linear Thru Zero	0.00	0.00	0.000000
Ag	106.905	Linear Thru Zero	0.03	0.00	0.999998
Cd	110.904	Linear Thru Zero	0.01	0.00	0.999975
Cd	113.904	Linear Thru Zero	0.01	0.00	0.999993

Method Equation

Analyte	Mass	Corrections
As	74.922	-3.127 *(ArCl 77 -(0.706602625 *Se 82))
Se	81.917	- 1.007833 * Kr 83
Cd	110.904	-1.060002 *(MoO 108 -(0.712 *Pd 106))
Cd	113.904	-0.027250 *Sn 118

Sample Information

Sample ID: 0B10035-SCV1
Autosampler Position: 2
Sample Date/Time: Wednesday, February 10, 2010 14:41:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\0B10035-SCV1.009
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	295568.531	1.060	38.316635	0.388	1.013	ug/L
	Cr	53	35758.315	0.131	38.670924	0.616	1.593	ug/L
	Co	59	376140.642	1.389	39.294822	0.689	1.753	ug/L
	Zn	66	48664.372	0.179	38.857930	0.285	0.733	ug/L
	Zn	68	35991.482	0.131	39.754586	0.423	1.065	ug/L
>	Ge	72	270701.935	270701.935				ug/L
	As	75	63906.330	0.235	39.716841	0.362	0.911	ug/L
	Se	77	4680.914	0.017	38.127519	0.582	1.526	ug/L
	Se	82	6357.127	0.023	38.764165	0.802	2.070	ug/L
>	Rh	103	330771.657	330771.657				ug/L
	Ag	107	341790.607	1.033	39.332121	0.512	1.301	ug/L
	Cd	111	79526.183	0.240	38.866164	0.728	1.873	ug/L
	Cd	114	183527.366	0.555	38.794619	0.575	1.481	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.237
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	97.317
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	297462.447	1.071	39.736385	ug/L
	Cr	53	35679.749	0.131	38.639718	ug/L
	Co	59	373024.056	1.383	39.133602	ug/L
	Zn	66	48801.831	0.180	39.135012	ug/L
	Zn	68	35847.586	0.130	39.427862	ug/L
>	Ge	72	269653.584	269653.584		ug/L
	As	75	64211.828	0.237	40.077872	ug/L
	Se	77	4636.560	0.017	37.812929	ug/L
	Se	82	6466.525	0.024	39.612185	ug/L
>	Rh	103	330412.544	330412.544		ug/L
	Ag	107	340054.724	1.029	39.173987	ug/L
	Cd	111	79313.493	0.240	38.802908	ug/L

	Cd	114	181780.560	0.550	39.464070	ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	292387.372	1.060	37.974586	ug/L
	Cr	53	36297.149	0.133	39.301810	ug/L
	Co	59	382541.221	1.416	40.050148	ug/L
	Zn	66	46194.523	0.177	39.568981	ug/L
	Zn	68	35338.867	0.133	40.232988	ug/L
>	Ge	72	270108.824	270108.824		ug/L
	As	75	63188.757	0.233	39.353881	ug/L
	Se	77	4748.628	0.017	39.788170	ug/L
	Se	82	6221.317	0.023	39.017337	ug/L
>	Rh	103	331958.838	331958.838		ug/L
	Ag	107	338418.407	1.022	39.818277	ug/L
	Cd	111	76388.642	0.236	39.171772	ug/L
	Cd	114	187330.803	0.564	39.466187	ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	286875.776	1.057	38.238884	ug/L
	Cr	53	35438.048	0.129	38.071246	ug/L
	Co	59	372856.647	1.386	38.700716	ug/L
	Zn	66	46998.983	0.179	38.873086	ug/L
	Zn	68	36087.291	0.131	39.603436	ug/L
>	Ge	72	272448.287	272448.287		ug/L
	As	75	64321.804	0.236	39.718901	ug/L
	Se	77	4667.585	0.017	37.683488	ug/L
	Se	82	6381.640	0.023	38.662973	ug/L
>	Rh	103	329843.581	329843.581		ug/L
	Ag	107	345600.800	1.048	39.804119	ug/L
	Cd	111	80876.416	0.248	39.623813	ug/L
	Cd	114	181480.936	0.550	38.461800	ug/L

: 00352

Sample Information

Sample ID: 0B10035-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, February 10, 2010 14:44:15
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\0B10035-CCB.010
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	8280.214	-0.002	-0.059052	0.026	44.061	ug/L
	Cr	53	392.348	0.000	0.009625	0.012	126.058	ug/L
	Co	59	135.336	0.000	0.000374	0.003	835.193	ug/L
	Zn	66	285.342	0.000	0.000421	0.018	4304.406	ug/L
	Zn	68	425.017	0.000	0.021370	0.010	48.344	ug/L
>	Ge	72	270972.229	270972.229				ug/L
	As	75	278.499	0.000	0.027103	0.032	118.634	ug/L
	Se	77	109.335	0.000	0.030095	0.126	420.299	ug/L
	Se	82	7.918	-0.000	-0.024544	0.070	284.342	ug/L
>	Rh	103	337105.758	337105.758				ug/L
	Ag	107	161.337	0.000	0.014639	0.001	6.582	ug/L
	Cd	111	11.208	0.000	0.003809	0.004	103.712	ug/L
	Cd	114	16.106	0.000	0.001518	0.002	140.702	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.334
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.181
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

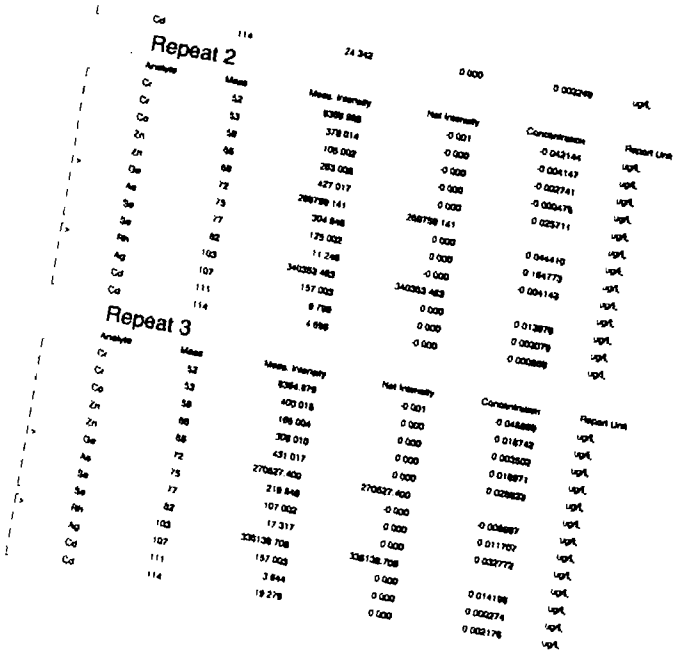
QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	8106.678	-0.002	-0.059013	ug/L
	Cr	53	399.015	0.000	0.014281	ug/L
	Co	59	136.003	0.000	0.000380	ug/L
	Zn	66	265.008	0.000	-0.017233	ug/L
	Zn	68	417.016	0.000	0.009677	ug/L
>	Ge	72	272630.146	272630.146		ug/L
	As	75	312.103	0.000	0.044806	ug/L
	Se	77	98.002	-0.000	-0.085194	ug/L
	Se	82	4.810	0.000	0.102281	ug/L
>	Rh	103	334825.104	334825.104		ug/L
	Ag	107	170.004	0.000	0.015744	ug/L
	Cd	111	19.983	0.000	0.008074	ug/L



Sample ID: 0B10035-CCB
Report Date/Time: Wednesday, February 10, 2010 14:45:19
Page 2

Sample Information

Sample ID: 0B10035-CRL1
Autosampler Position: 3
Sample Date/Time: Wednesday, February 10, 2010 14:47:31
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\0B10035-CRL1.011
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	9804.490	0.004	0.140536	0.017	12.242	ug/L
	Cr	53	565.361	0.001	0.196846	0.013	6.365	ug/L
	Co	59	1965.957	0.007	0.190899	0.008	4.096	ug/L
	Zn	66	581.696	0.001	0.236859	0.020	8.290	ug/L
	Zn	68	625.367	0.001	0.242939	0.012	4.954	ug/L
>	Ge	72	271743.990	271743.990				ug/L
	As	75	546.401	0.001	0.193150	0.027	13.894	ug/L
	Se	77	125.336	0.000	0.159944	0.042	26.496	ug/L
	Se	82	39.341	0.000	0.166462	0.118	70.905	ug/L
>	Rh	103	338897.041	338897.041				ug/L
	Ag	107	1730.227	0.005	0.190761	0.004	2.116	ug/L
	Cd	111	405.824	0.001	0.191985	0.013	6.941	ug/L
	Cd	114	926.368	0.003	0.189282	0.007	3.944	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.611
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.708
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	9830.611	0.003	0.120764	ug/L
	Cr	53	575.029	0.001	0.207711	ug/L
	Co	59	1981.287	0.008	0.192198	ug/L
	Zn	66	567.028	0.001	0.225358	ug/L
	Zn	68	633.034	0.001	0.251878	ug/L
>	Ge	72	271581.677	271581.677		ug/L
	As	75	567.048	0.001	0.208140	ug/L
	Se	77	122.002	0.000	0.132802	ug/L
	Se	82	31.256	0.000	0.117226	ug/L
>	Rh	103	339419.552	339419.552		ug/L
	Ag	107	1697.219	0.006	0.186783	ug/L
	Cd	111	437.918	0.001	0.206983	ug/L

Sample ID: 0B10035-CRL1
Report Date/Time: Wednesday, February 10, 2010 14:48:35

i	Cd	114	923 973	0 003	0 188618	ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
/	Cr	52	9888 937	0 004	0.148988	ug/L
/	Cr	53	554 027	0 001	0.183141	ug/L
1	Ce	58	2032 308	0 007	0 197339	ug/L
I	Zn	66	569 028	0 001	0 229886	ug/L
/	Zn	68	631 034	0 001	0 247886	ug/L
i »	Ge	72	272352 880	272353 880		ug/L
1	As	75	497 810	0 001	0 182291	ug/L
I	Se	77	123 002	0 000	0.138253	ug/L
L	Se	82	25 380	0 000	0 081021	ug/L
ſ »	Rh	103	337078 485	337078 485		ug/L
1	Ag	107	1720 224	0 005	0 190883	ug/L
I	Cd	111	361 817	0 001	0.181537	ug/L
L	Cd	114	867 287	0 003	0.182228	ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
/	Cr	52	9878 821	0 004	0 152256	ug/L
1	Cr	53	567 028	0 001	0 199886	ug/L
:	Ce	58	1984 296	0 007	0.193161	ug/L
I	Zn	66	609 032	0 001	0 258831	ug/L
I	Zn	68	612 032	0 001	0 229256	ug/L
i »	Ge	72	271287 434	271287 434		ug/L
I	As	75	574 247	0 001	0 211018	ug/L
I	Se	77	131 003	0 000	0 208777	ug/L
L	Se	82	61 388	0 000	0 301137	ug/L
ſ »	Rh	103	340193 088	340193 088		ug/L
I	Ag	107	1773 238	0 006	0 194857	ug/L
:	Cd	111	397 737	0 001	0 187428	ug/L
L	Cd	114	987 843	0 003	0 197101	ug/L

Sample Information

Sample ID: 0B10035-CRL2
Autosampler Position: 4
Sample Date/Time: Wednesday, February 10, 2010 14:50:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\0B10035-CRL2.012
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	15443.166	0.025	0.892148	0.037	4.164	ug/L
	Cr	53	1326.470	0.003	1.026465	0.014	1.411	ug/L
	Co	59	9398.609	0.034	0.965336	0.029	2.993	ug/L
	Zn	66	1366.478	0.004	0.865510	0.046	5.370	ug/L
	Zn	68	1214.782	0.003	0.899640	0.007	0.805	ug/L
>	Ge	72	271590.471	271590.471				ug/L
	As	75	1850.482	0.006	1.004161	0.047	4.701	ug/L
	Se	77	204.338	0.000	0.816888	0.079	9.639	ug/L
	Se	82	158.999	0.001	0.895240	0.097	10.889	ug/L
>	Rh	103	337299.155	337299.155				ug/L
	Ag	107	8833.214	0.026	0.993345	0.010	1.049	ug/L
	Cd	111	2005.370	0.006	0.959538	0.026	2.739	ug/L
	Cd	114	4689.387	0.014	0.970453	0.028	2.919	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.556
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.238
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	15324.674	0.024	0.886502	ug/L
	Cr	53	1329.137	0.003	1.017481	ug/L
	Co	59	9158.880	0.033	0.932436	ug/L
	Zn	66	1326.136	0.004	0.823584	ug/L
	Zn	68	1227.116	0.003	0.902196	ug/L
>	Ge	72	273831.639	273831.639		ug/L
	As	75	1856.675	0.006	0.988488	ug/L
	Se	77	202.008	0.000	0.783586	ug/L
	Se	82	157.301	0.001	0.879886	ug/L
>	Rh	103	337881.112	337881.112		ug/L
	Ag	107	8908.641	0.026	1.000080	ug/L
	Cd	111	1946.081	0.006	0.929499	ug/L

: 00357

L	Cd	114	4703.729	0.014	0.971610	ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
f	Cr	52	15851.307	0.026	0.932565	ug/L
I	Cr	53	1312.134	0.003	1.016726	ug/L
f	Co	59	9580.476	0.035	0.986517	ug/L
I	Zn	66	1349.141	0.004	0.857458	ug/L
I	Zn	68	1213.115	0.003	0.906360	ug/L
I>	Ge	72	270099.842	270086.842		ug/L
I	As	75	1920.033	0.008	1.053939	ug/L
I	Se	77	214.008	0.000	0.908809	ug/L
L	Se	82	175.356	0.001	1.000686	ug/L
f>	Rh	103	339473.004	339473.004		ug/L
I	Ag	107	8783.485	0.026	0.981349	ug/L
I	Cd	111	2057.714	0.006	0.978302	ug/L
I	Cd	114	4580.008	0.013	0.941561	ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
f	Cr	52	15343.619	0.024	0.884376	ug/L
I	Cr	53	1338.139	0.004	1.043178	ug/L
I	Co	59	9486.380	0.035	0.977085	ug/L
I	Zn	66	1425.156	0.004	0.915467	ug/L
I	Zn	68	1204.114	0.003	0.881466	ug/L
I>	Ge	72	270843.033	270843.033		ug/L
I	As	75	1774.740	0.008	0.980049	ug/L
I	Se	77	197.006	0.000	0.782286	ug/L
L	Se	82	144.339	0.000	0.808236	ug/L
f>	Rh	103	334543.360	334543.360		ug/L
f	Ag	107	8607.518	0.026	0.968587	ug/L
I	Cd	111	2012.336	0.006	0.970813	ug/L
L	Cd	114	4784.421	0.014	0.988188	ug/L

: 00358

Sample Information

Sample ID: 0B10035-IFA1
Autosampler Position: 10
Sample Date/Time: Wednesday, February 10, 2010 14:54:04
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\0B10035-IFA1.013
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	10214.401	0.005	0.167252	0.025	14.838	ug/L
	Cr	53	1641.205	0.004	1.331383	0.042	3.140	ug/L
	Co	59	182.671	0.000	0.004871	0.000	4.486	ug/L
	Zn	66	2322.401	0.007	1.591277	0.036	2.287	ug/L
	Zn	68	1493.504	0.004	1.174904	0.011	0.928	ug/L
>	Ge	72	277456.434	277456.434				ug/L
	As	75	213.091	-0.000	-0.016784	0.043	253.242	ug/L
	Se	77	243.007	0.000	1.094902	0.208	18.996	ug/L
	Se	82	0.170	-0.000	-0.071739	0.215	299.408	ug/L
>	Rh	103	313966.174	313966.174				ug/L
	Ag	107	267.674	0.001	0.028843	0.006	21.343	ug/L
	Cd	111	99.915	0.000	0.049841	0.012	23.625	ug/L
	Cd	114	1534.943	0.005	0.340016	0.002	0.733	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.663
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	92.373
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	10320.554	0.008	0.192397	ug/L
	Cr	53	1583.191	0.004	1.264070	ug/L
	Co	59	180.004	0.000	0.004757	ug/L
	Zn	66	2281.381	0.007	1.558811	ug/L
	Zn	68	1468.170	0.004	1.182648	ug/L
>	Ge	72	275111.647	275111.647		ug/L
	As	75	246.137	0.000	0.004884	ug/L
	Se	77	218.006	0.000	0.907026	ug/L
	Se	82	33.294	0.000	0.127050	ug/L
>	Rh	103	315075.193	315075.193		ug/L
	Ag	107	318.010	0.001	0.034588	ug/L
	Cd	111	126.563	0.000	0.063381	ug/L

Cd	114	1563.308	0.005	0.342882	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	10129.278	0.004	0.142776	ug/L
Cr	53	1672.212	0.005	1.348746	ug/L
Ca	59	187.004	0.000	0.005123	ug/L
Zn	66	2337.408	0.007	1.584725	ug/L
Zn	68	1497.172	0.004	1.162480	ug/L
Ge	72	280288.380	280288.380		ug/L
As	75	280.808	0.000	0.010723	ug/L
Se	77	241.008	0.000	1.058288	ug/L
Se	82	5.152	-0.000	0.042888	ug/L
Rh	103	315848.871	315848.871		ug/L
Ag	107	275.008	0.001	0.028882	ug/L
Cd	111	88.613	0.000	0.044320	ug/L
Cd	114	1536.210	0.005	0.338482	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	10195.370	0.005	0.168888	ug/L
Cr	53	1868.211	0.006	1.383334	ug/L
Ca	59	181.004	0.000	0.004734	ug/L
Zn	66	2308.418	0.007	1.530484	ug/L
Zn	68	1496.171	0.004	1.178386	ug/L
Ge	72	276992.294	276992.294		ug/L
As	75	132.331	-0.000	-0.086738	ug/L
Se	77	270.008	0.001	1.518380	ug/L
Se	82	37.908	-0.000	0.298880	ug/L
Rh	103	311177.758	311177.758		ug/L
Ag	107	212.005	0.001	0.022381	ug/L
Cd	111	83.570	0.000	0.041840	ug/L
Cd	114	1515.314	0.005	0.338873	ug/L

Sample ID: 0B10035-IFA1
Report Date/Time: Wednesday, February 10, 2010 14:55:09

Sample Information

Sample ID: 0B10035-IFB1
Autosampler Position: 11
Sample Date/Time: Wednesday, February 10, 2010 14:57:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\0B10035-IFB1.014
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	169273.364	0.582	21.033837	0.234	1.115	ug/L
	Cr	53	20340.458	0.072	21.411773	0.417	1.948	ug/L
	Co	59	191188.843	0.693	19.603340	0.392	1.997	ug/L
	Zn	66	27155.461	0.097	21.188505	0.562	2.654	ug/L
	Zn	68	19417.217	0.069	20.846810	0.534	2.560	ug/L
>	Ge	72	275768.799	275768.799				ug/L
	As	75	33156.250	0.119	20.158716	0.304	1.510	ug/L
	Se	77	2600.499	0.009	20.397101	0.487	2.390	ug/L
	Se	82	3209.678	0.012	19.174260	0.230	1.201	ug/L
>	Rh	103	303310.085	303310.085				ug/L
	Ag	107	162779.315	0.537	20.429548	0.381	1.865	ug/L
	Cd	111	38263.383	0.126	20.395368	0.375	1.837	ug/L
	Cd	114	89662.974	0.296	20.674559	0.521	2.522	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.057
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	89.238
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	167874.888	0.588	21.303816	ug/L
	Cr	53	20258.881	0.074	21.798888	ug/L
	Co	59	191438.317	0.709	20.084636	ug/L
	Zn	66	27383.883	0.100	21.836147	ug/L
	Zn	68	19560.819	0.071	21.457197	ug/L
>	Ge	72	269847.383	269847.383		ug/L
	As	75	32867.528	0.121	20.478884	ug/L
	Se	77	2608.802	0.009	20.925436	ug/L
	Se	82	3124.648	0.012	19.076158	ug/L
>	Rh	103	297288.338	297288.338		ug/L
	Ag	107	162180.103	0.545	20.763122	ug/L
	Cd	111	38121.809	0.128	20.727887	ug/L

: 00361

	Cd	114	90108.374	0.303	21.182883	ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	189463.398	0.977	20.881311	ug/L
	Cr	53	30580.766	0.973	21.470221	ug/L
	Co	59	190338.847	0.894	19.357808	ug/L
	Zn	66	27032.325	0.066	20.916838	ug/L
	Zn	68	19384.406	0.069	20.615370	ug/L
	Ge	72	277952.349	277952.349		ug/L
	As	75	32846.617	0.116	19.880844	ug/L
	Se	77	2568.467	0.009	19.864816	ug/L
	Se	82	3278.201	0.012	19.437331	ug/L
	Rh	103	306704.614	306704.614		ug/L
	Ag	107	184748.948	0.539	20.511248	ug/L
	Cd	111	38711.084	0.127	20.468739	ug/L
	Cd	114	90421.341	0.298	20.680662	ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	170881.671	0.878	20.818384	ug/L
	Cr	53	23251.726	0.971	20.969434	ug/L
	Co	59	191791.668	0.885	19.387277	ug/L
	Zn	66	27050.394	0.066	20.913433	ug/L
	Zn	68	19338.330	0.069	20.467883	ug/L
	Ge	72	279508.488	279508.488		ug/L
	As	75	33562.704	0.119	20.129808	ug/L
	Se	77	2524.509	0.009	20.301053	ug/L
	Se	82	3228.188	0.011	19.008281	ug/L
	Rh	103	308838.104	308838.104		ug/L
	Ag	107	181407.887	0.528	20.014272	ug/L
	Cd	111	37957.445	0.124	19.989487	ug/L
	Cd	114	88486.208	0.288	20.150193	ug/L

Sample Information

Sample ID: 0B10035-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, February 10, 2010 15:00:37
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\0B10035-CCV.015
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	322176.409	1.129	40.834075	1.382	3.384	ug/L
	Cr	53	38407.037	0.137	40.551181	1.195	2.946	ug/L
	Co	59	385757.508	1.390	39.325031	1.110	2.822	ug/L
	Zn	66	50108.651	0.180	39.042034	0.845	2.165	ug/L
	Zn	68	36587.498	0.130	39.427959	0.735	1.863	ug/L
>	Ge	72	277512.588	277512.588				ug/L
	As	75	64583.186	0.232	39.163493	0.980	2.502	ug/L
	Se	77	4803.663	0.017	38.179072	1.079	2.825	ug/L
	Se	82	6519.661	0.023	38.797203	1.695	4.369	ug/L
>	Rh	103	327550.167	327550.167				ug/L
	Ag	107	338426.409	1.033	39.325855	0.600	1.525	ug/L
	Cd	111	77563.133	0.237	38.277715	0.194	0.506	ug/L
	Cd	114	179490.767	0.548	38.316145	0.364	0.951	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.683
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	96.370
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	318974.709	1.088	39.384480	ug/L
	Cr	53	38223.380	0.133	39.345638	ug/L
	Co	59	383844.088	1.348	38.140761	ug/L
	Zn	66	50268.753	0.178	38.194577	ug/L
	Zn	68	36731.508	0.128	38.599020	ug/L
>	Ge	72	284441.721	284441.721		ug/L
	As	75	64341.088	0.225	38.049140	ug/L
	Se	77	4785.660	0.016	37.072813	ug/L
	Se	82	6363.488	0.022	37.098738	ug/L
>	Rh	103	327111.672	327111.672		ug/L
	Ag	107	339841.751	1.038	39.521247	ug/L
	Cd	111	77150.438	0.236	38.125618	ug/L

: 00363

L	Cd	114	177981.885	0.544	38.046812	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	328549.815	1.186	42.138504	ug/L
	Cr	53	38845.730	0.141	41.734848	ug/L
	Co	59	388988.385	1.428	40.340588	ug/L
	Zn	66	50310.087	0.183	39.885089	ug/L
	Zn	68	36475.258	0.132	39.987838	ug/L
>	Ge	72	272689.343	272689.343		ug/L
	As	75	64109.014	0.234	39.550881	ug/L
	Se	77	4728.612	0.017	38.238880	ug/L
	Se	82	6410.588	0.023	38.904342	ug/L
>	Rh	103	328837.747	328837.747		ug/L
	Ag	107	343978.083	1.046	39.803856	ug/L
	Cd	111	78334.263	0.238	38.495646	ug/L
	Cd	114	179571.788	0.548	38.171247	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	321004.702	1.133	40.881242	ug/L
	Cr	53	38151.988	0.137	40.573357	ug/L
	Co	59	384630.064	1.398	39.493738	ug/L
	Zn	66	49748.143	0.180	39.046458	ug/L
	Zn	68	36566.688	0.131	39.887017	ug/L
>	Ge	72	275408.700	275408.700		ug/L
	As	75	65300.446	0.238	39.890378	ug/L
	Se	77	4898.727	0.017	39.227723	ug/L
	Se	82	6754.928	0.024	40.488530	ug/L
>	Rh	103	326801.081	326801.081		ug/L
	Ag	107	331658.383	1.015	38.852862	ug/L
	Cd	111	77204.689	0.238	38.211980	ug/L
	Cd	114	180808.648	0.554	38.730677	ug/L

Sample ID: 0B10035-CCV
Report Date/Time: Wednesday, February 10, 2010 15:01:41

Sample Information

Sample ID: 0B10035-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, February 10, 2010 15:03:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\0B10035-CCB.016
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	8466.433	-0.002	-0.067035	0.022	32.594	ug/L
	Cr	53	502.023	0.000	0.113737	0.045	39.305	ug/L
	Co	59	147.336	0.000	0.001195	0.002	147.645	ug/L
	Zn	66	290.676	-0.000	-0.002247	0.015	680.166	ug/L
	Zn	68	439.685	0.000	0.023671	0.032	133.351	ug/L
>	Ge	72	279092.540	279092.540				ug/L
	As	75	230.270	-0.000	-0.007099	0.031	441.092	ug/L
	Se	77	118.336	0.000	0.075222	0.092	122.849	ug/L
	Se	82	7.038	-0.000	-0.032128	0.114	354.355	ug/L
>	Rh	103	332647.321	332647.321				ug/L
	Ag	107	131.336	0.000	0.011450	0.002	15.242	ug/L
	Cd	111	5.585	0.000	0.001134	0.002	134.101	ug/L
	Cd	114	14.473	0.000	0.001215	0.002	156.047	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.251
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	97.869
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	8412.036	0.002	0.063387	ug/L
	Cr	53	504.023	0.000	0.120897	ug/L
	Co	59	156.003	0.000	0.002217	ug/L
	Zn	66	274.008	-0.000	-0.012994	ug/L
	Zn	68	457.019	0.000	0.047131	ug/L
>	Ge	72	276347.000	276347.000		ug/L
	As	75	186.273	-0.000	-0.032591	ug/L
	Se	77	109.002	0.000	0.008243	ug/L
	Se	82	-14.771	0.000	-0.161479	ug/L
>	Rh	103	331630.078	331630.078		ug/L
	Ag	107	148.002	0.000	0.013408	ug/L
	Cd	111	2.538	0.000	0.000337	ug/L

Sample ID: 0B10035-CCB
Report Date/Time: Wednesday, February 10, 2010 15:04:55

L	Cd	114	13 541	0 000	0 001020	ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
M	Cr	52	8564 253	-0 001	-0 047239	ug/L
I	Cr	53	538 038	0 021	0 154429	ug/L
I	Co	59	157 003	0 000	0 002210	ug/L
I	Zn	66	281 008	-0 000	-0 008889	ug/L
I	Zn	68	450 018	0 000	0 038161	ug/L
I >	Ge	72	278250 831	278250 831		ug/L
I	As	75	287 188	0 000	0 027883	ug/L
I	Se	77	113 002	0 000	0 035884	ug/L
I	Se	82	14 356	0 000	0 012235	ug/L
I >	Rh	103	335104 778	335104 778		ug/L
I	Ag	107	120 002	0 000	0 010048	ug/L
I	Cd	111	8 883	0 000	0 002701	ug/L
L	Cd	114	6 031	-0 000	-0 000876	ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
M	Cr	52	8383 018	-0 003	-0 080479	ug/L
I	Cr	53	463 020	0 000	0 066894	ug/L
I	Co	59	126 002	-0 000	-0 000842	ug/L
I	Zn	66	317 010	0 000	0 015251	ug/L
I	Zn	68	412 016	0 000	0 012217	ug/L
I >	Ge	72	262879 787	262879 787		ug/L
I	As	75	217 378	-0 000	-0 016580	ug/L
I	Se	77	133 003	0 000	0 180837	ug/L
L	Se	82	21 528	0 000	0 052880	ug/L
I >	Rh	103	331207 111	331207 111		ug/L
I	Ag	107	126 002	0 000	0 010888	ug/L
I	Cd	111	5 364	0 000	0 001039	ug/L
L	Cd	114	23 849	0 000	0 003200	ug/L

: 00366

Sample Information

Sample ID: 1001061-BLK1
Autosampler Position: 17
Sample Date/Time: Wednesday, February 10, 2010 15:07:06
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1001061-BLK1.017
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	9208.358	-0.000	-0.001206	0.020	1660.335	ug/L
	Cr	53	612.699	0.001	0.214402	0.008	3.508	ug/L
	Co	59	119.669	-0.000	-0.001929	0.002	121.353	ug/L
	Zn	66	2721.879	0.008	1.838230	0.049	2.666	ug/L
	Zn	68	2152.679	0.006	1.820607	0.025	1.384	ug/L
>	Ge	72	286328.948	286328.948				ug/L
	As	75	172.401	-0.000	-0.044740	0.003	6.488	ug/L
	Se	77	116.002	0.000	0.033313	0.070	209.309	ug/L
	Se	82	-1.054	-0.000	-0.079193	0.042	53.590	ug/L
>	Rh	103	343538.925	343538.925				ug/L
	Ag	107	118.002	0.000	0.009498	0.001	13.187	ug/L
	Cd	111	7.652	0.000	0.002031	0.002	95.874	ug/L
	Cd	114	13.033	0.000	0.000823	0.001	102.065	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.850
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.074
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	9063.876	0.000	0.015216	ug/L
Cr	53	610.032	0.001	0.211329	ug/L
Co	59	148.003	0.000	0.000888	ug/L
Zn	66	2726.546	0.008	1.840803	ug/L
Zn	68	2127.339	0.006	1.792727	ug/L
Ge	72	286468.409	286468.409		ug/L
As	75	169.288	0.000	-0.046823	ug/L
Se	77	116.002	0.000	0.032626	ug/L
Se	82	7.246	0.000	-0.031287	ug/L
Rh	103	344233.982	344233.982		ug/L
Ag	107	128.002	0.000	0.010239	ug/L
Cd	111	11.863	0.000	0.000897	ug/L

: 00367

L	Cd	114	9 853	0 000	0 000169	ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
C	Cr	52	9132 926	-0 009	-0 008926	ug/L
I	Cr	53	626 033	0 001	0 222972	ug/L
I	Co	59	113 002	-0 000	-0 002570	ug/L
I	Zn	66	2851 519	0 008	1 787988	ug/L
I	Zn	68	2169 361	0 008	1 841771	ug/L
I S	Ge	72	285683 621	285683 621		ug/L
I	As	75	169 868	-0 000	-0 046208	ug/L
I	Se	77	107 002	-0 000	-0 038220	ug/L
L	Se	82	-6 724	-0 009	-0 111978	ug/L
I S	Rh	103	338905 088	338905 088		ug/L
I	Ag	107	123 002	0 000	0 010203	ug/L
I	Cd	111	7 483	0 000	0 001882	ug/L
L	Cd	114	17 508	0 000	0 001779	ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
C	Cr	52	9388 273	0 001	0 021526	ug/L
I	Cr	53	608 032	0 001	0 208803	ug/L
I	Co	59	100 002	-0 000	0 003883	ug/L
I	Zn	66	2797 572	0 008	1 885806	ug/L
I	Zn	68	2161 349	0 008	1 827322	ug/L
I S	Ge	72	288633 813	288633 813		ug/L
I	As	75	178 256	-0 000	-0 041388	ug/L
I	Se	77	125 002	0 000	0 103234	ug/L
L	Se	82	-3 684	-0 000	-0 094342	ug/L
I S	Rh	103	346777 725	346777 725		ug/L
I	Ag	107	108 002	0 000	0 008852	ug/L
I	Cd	111	3 598	0 000	0 000109	ug/L
L	Cd	114	11 727	0 000	0 000530	ug/L

Sample ID: 1001061-BLK1
Report Date/Time: Wednesday, February 10, 2010 15:08:10

Sample Information

Sample ID: 1001061-BS1
Autosampler Position: 18
Sample Date/Time: Wednesday, February 10, 2010 15:09:51
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1001061-BS1.018
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	161709.975	0.535	19.327419	0.103	0.534	ug/L
	Cr	53	18808.253	0.064	19.085215	0.143	0.747	ug/L
	Co	59	187455.084	0.656	18.569972	0.060	0.321	ug/L
	Zn	66	24337.980	0.084	18.315356	0.330	1.803	ug/L
	Zn	68	17862.487	0.061	18.477413	0.169	0.917	ug/L
>	Ge	72	285349.927	285349.927				ug/L
	As	75	30842.738	0.107	18.104509	0.192	1.061	ug/L
	Se	77	2249.377	0.007	16.900201	0.836	4.948	ug/L
	Se	82	2980.436	0.010	17.199374	0.433	2.520	ug/L
>	Rh	103	341575.732	341575.732				ug/L
	Ag	107	166165.248	0.487	18.521919	0.476	2.572	ug/L
	Cd	111	36979.517	0.108	17.505422	0.370	2.113	ug/L
	Cd	114	85686.723	0.251	17.546452	0.461	2.627	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.499
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.496
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	161577.673	0.538	19.378780	ug/L
	Cr	53	18833.468	0.084	18.966838	ug/L
	Co	59	187533.777	0.656	18.637774	ug/L
	Zn	66	23872.083	0.082	18.018008	ug/L
	Zn	68	17752.210	0.061	18.421438	ug/L
>	Ge	72	284430.279	284430.279		ug/L
	As	75	30403.686	0.106	17.903136	ug/L
	Se	77	2121.338	0.007	15.943728	ug/L
	Se	82	2986.037	0.010	16.758310	ug/L
>	Rh	103	337054.387	337054.387		ug/L
	Ag	107	165037.472	0.490	18.636829	ug/L
	Cd	111	37021.942	0.110	17.754646	ug/L

: 00369

I	Cd	114	86108.884	0.252	17.654985	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	181070.402	0.531	19.209771	ug/L
Cr	53	18995.414	0.086	19.243537	ug/L
Co	59	187383.128	0.658	18.525630	ug/L
Zn	66	24302.618	0.084	18.254747	ug/L
Zn	68	17788.250	0.061	18.343000	ug/L
Ge	72	285875.288	285875.288		ug/L
As	75	31206.763	0.108	18.285731	ug/L
Se	77	2286.383	0.008	17.283714	ug/L
Se	82	2988.143	0.010	17.212881	ug/L
Rh	103	351084.753	351084.753		ug/L
Ag	107	166023.988	0.473	17.999889	ug/L
Cd	111	37086.649	0.106	17.080382	ug/L
Cd	114	85584.735	0.244	17.040844	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	162481.849	0.535	19.396725	ug/L
Cr	53	16796.888	0.084	19.048701	ug/L
Co	59	167472.349	0.658	18.546622	ug/L
Zn	66	24839.383	0.088	18.671714	ug/L
Zn	68	18087.001	0.062	18.687800	ug/L
Ge	72	285744.204	285744.204		ug/L
As	75	30818.888	0.107	18.124083	ug/L
Se	77	2327.402	0.008	17.493158	ug/L
Se	82	3058.138	0.011	17.625820	ug/L
Rh	103	336808.057	336808.057		ug/L
Ag	107	167432.272	0.487	18.031170	ug/L
Cd	111	38820.080	0.109	17.881237	ug/L
Cd	114	86386.671	0.257	17.943416	ug/L

Sample Information

Sample ID: 1002038-01
Autosampler Position: 19
Sample Date/Time: Wednesday, February 10, 2010 15:12:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1002038-01.019
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	12774.208	0.013	0.458378	0.039	8.528	ug/L
	Cr	53	1006.081	0.002	0.626658	0.020	3.154	ug/L
	Co	59	1089.094	0.003	0.094440	0.003	3.050	ug/L
	Zn	66	3147.058	0.010	2.174728	0.036	1.646	ug/L
	Zn	68	2626.176	0.008	2.336831	0.112	4.799	ug/L
>	Ge	72	284736.106	284736.106				ug/L
	As	75	1278.284	0.004	0.611612	0.010	1.558	ug/L
	Se	77	126.336	0.000	0.121247	0.152	124.958	ug/L
	Se	82	-7.151	-0.000	-0.115659	0.168	144.861	ug/L
>	Rh	103	340831.169	340831.169				ug/L
	Ag	107	212.005	0.001	0.020101	0.004	21.908	ug/L
	Cd	111	27.515	0.000	0.011472	0.003	23.138	ug/L
	Cd	114	31.010	0.000	0.004530	0.002	45.909	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.278
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.277
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	12568.210	0.012	0.417352	ug/L
	Cr	53	1036.088	0.002	0.646311	ug/L
	Co	59	1123.100	0.003	0.096823	ug/L
	Zn	66	3128.716	0.010	2.134888	ug/L
	Zn	68	2556.484	0.007	2.234867	ug/L
>	Ge	72	287844.084	287844.084		ug/L
	As	75	1305.888	0.004	0.619704	ug/L
	Se	77	109.002	-0.000	-0.028298	ug/L
	Se	82	28.184	0.000	0.077348	ug/L
>	Rh	103	340471.913	340471.913		ug/L
	Ag	107	251.007	0.001	0.024480	ug/L
	Cd	111	30.758	0.000	0.013046	ug/L

00371

L	Cd	114	42.241	0.000	0.009841	ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
I	Cr	52	12973.901	0.014	0.485236	ug/L
I	Cr	53	998.080	0.002	0.528878	ug/L
I	Co	59	1082.084	0.003	0.086521	ug/L
I	Zn	66	3162.732	0.010	2.203579	ug/L
I	Zn	68	2720.545	0.008	2.467018	ug/L
I>	Ge	72	282721.388	282721.388		ug/L
I	As	75	1273.218	0.004	0.814034	ug/L
I	Se	77	145.003	0.000	0.276431	ug/L
I	Se	82	-21.610	-0.000	-0.200863	ug/L
I>	Rh	103	340032.712	340032.712		ug/L
I	Ag	107	212.006	0.001	0.020188	ug/L
I	Cd	111	20.998	0.000	0.008408	ug/L
I	Cd	114	29.077	0.000	0.003839	ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
I	Cr	52	12758.514	0.013	0.462616	ug/L
I	Cr	53	983.077	0.002	0.509788	ug/L
I	Co	59	1062.089	0.003	0.081176	ug/L
I	Zn	66	3149.726	0.010	2.185807	ug/L
I	Zn	68	2588.489	0.008	2.318509	ug/L
I>	Ge	72	283842.870	283842.870		ug/L
I	As	75	1256.987	0.004	0.801107	ug/L
I	Se	77	125.002	0.000	0.113808	ug/L
I	Se	82	-25.928	-0.000	-0.223882	ug/L
I>	Rh	103	341988.881	341988.881		ug/L
I	Ag	107	173.004	0.000	0.015673	ug/L
I	Cd	111	30.751	0.000	0.012982	ug/L
I	Cd	114	22.712	0.000	0.002809	ug/L

Sample Information

Sample ID: 1002038-02
Autosampler Position: 20
Sample Date/Time: Wednesday, February 10, 2010 15:15:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1002038-02.020
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	9775.126	0.002	0.059889	0.072	120.066	ug/L
	Cr	53	534.359	0.000	0.128536	0.008	6.110	ug/L
	Co	59	715.710	0.002	0.056314	0.003	6.209	ug/L
	Zn	66	1986.963	0.006	1.266794	0.006	0.482	ug/L
	Zn	68	2204.696	0.006	1.854607	0.033	1.799	ug/L
>	Ge	72	288898.096	288898.096				ug/L
	As	75	782.776	0.002	0.311186	0.015	4.779	ug/L
	Se	77	131.003	0.000	0.142479	0.079	55.136	ug/L
	Se	82	30.958	0.000	0.103299	0.143	138.856	ug/L
>	Rh	103	337804.537	337804.537				ug/L
	Ag	107	95.335	0.000	0.007159	0.000	1.354	ug/L
	Cd	111	15.899	0.000	0.006066	0.004	58.096	ug/L
	Cd	114	39.970	0.000	0.006431	0.001	15.186	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.773
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.387
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	9223.043	0.001	-0.023019	ug/L
	Cr	53	540.026	0.000	0.127944	ug/L
	Co	59	743.046	0.002	0.058187	ug/L
	Zn	66	2013.304	0.006	1.268140	ug/L
	Zn	68	2262.381	0.006	1.887681	ug/L
>	Ge	72	292270.526	292270.526		ug/L
	As	75	786.788	0.002	0.296684	ug/L
	Se	77	128.002	0.000	0.107418	ug/L
	Se	82	58.420	0.000	0.257472	ug/L
>	Rh	103	332517.988	332517.988		ug/L
	Ag	107	94.002	0.000	0.007177	ug/L
	Cd	111	24.073	0.000	0.010129	ug/L

	Cd	114	34.291	0.000	0.008376	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	10061.181	0.003	0.105238	ug/L
Cr	53	538.035	0.000	0.139870	ug/L
Co	59	668.039	0.000	0.052282	ug/L
Zn	66	1977.283	0.006	1.271381	ug/L
Zn	68	2156.347	0.006	1.821146	ug/L
Ge	72	286614.043	286614.043		ug/L
As	75	775.827	0.002	0.310883	ug/L
Se	77	123.002	0.000	0.087880	ug/L
Se	82	26.294	0.000	0.078828	ug/L
Rh	103	340868.383	340868.383		ug/L
Ag	107	97.002	0.000	0.007346	ug/L
Cd	111	11.407	0.000	0.003834	ug/L
Cd	114	41.160	0.000	0.006813	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	10041.163	0.003	0.097448	ug/L
Cr	53	525.025	0.000	0.120986	ug/L
Co	59	735.048	0.002	0.058486	ug/L
Zn	66	1870.291	0.006	1.259880	ug/L
Zn	68	2196.380	0.006	1.854792	ug/L
Ge	72	287808.720	287808.720		ug/L
As	75	806.733	0.002	0.326311	ug/L
Se	77	142.003	0.000	0.232462	ug/L
Se	82	9.180	-0.000	-0.028207	ug/L
Rh	103	339835.280	339835.280		ug/L
Ag	107	95.002	0.000	0.007084	ug/L
Cd	111	12.217	0.000	0.004236	ug/L
Cd	114	44.427	0.000	0.007304	ug/L

Sample Information

Sample ID: 1002038-03
Autosampler Position: 21
Sample Date/Time: Wednesday, February 10, 2010 15:18:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1002038-03.021
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	13174.941	0.014	0.488250	0.032	6.643	ug/L
	Cr	53	717.710	0.001	0.317851	0.011	3.609	ug/L
	Co	59	897.732	0.003	0.074337	0.002	2.123	ug/L
	Zn	66	1098.095	0.003	0.599525	0.019	3.100	ug/L
	Zn	68	1214.449	0.003	0.820804	0.051	6.171	ug/L
>	Ge	72	288321.005	288321.005				ug/L
	As	75	580.844	0.001	0.193702	0.026	13.377	ug/L
	Se	77	129.669	0.000	0.134594	0.106	79.124	ug/L
	Se	82	2.159	-0.000	-0.060415	0.099	163.947	ug/L
>	Rh	103	339676.593	339676.593				ug/L
	Ag	107	80.335	0.000	0.005410	0.001	17.808	ug/L
	Cd	111	7.602	0.000	0.002041	0.002	85.114	ug/L
	Cd	114	20.026	0.000	0.002282	0.001	37.130	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.566
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.937
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	13071.079	0.013	0.462147	ug/L
	Cr	53	718.043	0.001	0.312270	ug/L
	Co	59	897.086	0.003	0.073463	ug/L
	Zn	66	1117.099	0.003	0.607121	ug/L
	Zn	68	1257.123	0.003	0.856088	ug/L
>	Ge	72	290634.784	290634.784		ug/L
	As	75	630.248	0.001	0.219780	ug/L
	Se	77	117.002	0.000	0.027598	ug/L
	Se	82	4.087	-0.000	-0.049775	ug/L
>	Rh	103	336186.328	336186.328		ug/L
	Ag	107	72.001	0.000	0.004588	ug/L
	Cd	111	3.928	0.000	0.000315	ug/L

00375

t	Cd	114	18.163	0.000	0.001319	ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
T	Cr	52	12975.606	0.013	0.478044	ug/L
i	Cr	53	724.044	0.001	0.331048	ug/L
I	Co	59	908.057	0.003	0.076182	ug/L
I	Zn	66	1108.057	0.003	0.613108	ug/L
I	Zn	68	1228.117	0.003	0.844736	ug/L
I>	Ge	72	286728.477	286728.477		ug/L
I	As	75	575.013	0.001	0.193409	ug/L
I	Se	77	142.003	0.000	0.240581	ug/L
L	Se	82	16.309	0.000	0.032894	ug/L
T>	Rh	103	337978.585	337978.585		ug/L
I	Ag	107	76.001	0.000	0.005201	ug/L
I	Cd	111	11.211	0.000	0.003788	ug/L
L	Cd	114	21.466	0.000	0.002813	ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
T	Cr	52	13477.539	0.015	0.524669	ug/L
I	Cr	53	711.042	0.001	0.310239	ug/L
I	Co	59	988.084	0.003	0.073298	ug/L
I	Zn	66	1071.081	0.003	0.576346	ug/L
I	Zn	68	1180.108	0.003	0.762618	ug/L
I>	Ge	72	288802.784	288802.784		ug/L
I	As	75	537.270	0.001	0.167838	ug/L
I	Se	77	130.002	0.000	0.139806	ug/L
L	Se	82	-15.928	-0.000	-0.164384	ug/L
T>	Rh	103	344864.889	344864.889		ug/L
I	Ag	107	91.001	0.000	0.006461	ug/L
I	Cd	111	7.666	0.000	0.003019	ug/L
L	Cd	114	23.416	0.000	0.002913	ug/L

Sample Information

Sample ID: 1002038-04
Autosampler Position: 22
Sample Date/Time: Wednesday, February 10, 2010 15:20:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1002038-04.022
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	13550.310	0.015	0.549117	0.012	2.116	ug/L
	Cr	53	982.077	0.002	0.597269	0.055	9.283	ug/L
	Co	59	1043.087	0.003	0.089435	0.004	4.045	ug/L
	Zn	66	3153.061	0.010	2.168762	0.092	4.260	ug/L
	Zn	68	2619.506	0.008	2.316846	0.006	0.249	ug/L
>	Ge	72	285998.907	285998.907				ug/L
	As	75	948.834	0.002	0.413921	0.031	7.576	ug/L
	Se	77	119.002	0.000	0.058110	0.083	142.687	ug/L
	Se	82	1.898	-0.000	-0.061759	0.086	139.441	ug/L
>	Rh	103	347254.377	347254.377				ug/L
	Ag	107	72.001	0.000	0.004306	0.001	16.725	ug/L
	Cd	111	23.728	0.000	0.009487	0.004	42.037	ug/L
	Cd	114	13.770	0.000	0.000940	0.001	87.251	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.732
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.167
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	13557.180	0.015	0.555781	ug/L
	Cr	53	1042.088	0.002	0.666116	ug/L
	Co	59	1013.082	0.003	0.089086	ug/L
	Zn	66	3033.674	0.010	2.089648	ug/L
	Zn	68	2632.511	0.008	2.318547	ug/L
>	Ge	72	287137.483	287137.483		ug/L
	As	75	917.071	0.002	0.392982	ug/L
	Se	77	109.002	-0.000	0.024194	ug/L
	Se	82	-5.052	0.000	-0.102186	ug/L
>	Rh	103	345087.613	345087.613		ug/L
	Ag	107	64.001	0.000	0.003478	ug/L
	Cd	111	33.416	0.000	0.014080	ug/L

: 00377

I	Cd	114	11.718	0.000	0.000640	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
I	Cr	52	13508.883	0.015	0.556883	ug/L
I	Cr	53	970.076	0.002	0.562106	ug/L
I	Co	59	1074.091	0.003	0.083282	ug/L
I	Zn	66	3237.788	0.010	2.290567	ug/L
I	Zn	68	2604.501	0.008	2.320780	ug/L
I>	Ge	72	283866.961	283866.961		ug/L
I	As	75	1002.889	0.003	0.449888	ug/L
I	Se	77	118.002	0.000	0.066800	ug/L
I	Se	82	18.925	0.000	0.037134	ug/L
I>	Rh	103	350218.742	350218.742		ug/L
I	Ag	107	76.001	0.000	0.004877	ug/L
I	Cd	111	18.380	0.000	0.008810	ug/L
I	Cd	114	11.173	0.000	0.000388	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
I	Cr	52	13486.866	0.015	0.535688	ug/L
I	Cr	53	934.070	0.002	0.544588	ug/L
I	Co	59	1042.088	0.003	0.088897	ug/L
I	Zn	66	3187.743	0.010	2.187180	ug/L
I	Zn	68	2621.507	0.008	2.310211	ug/L
I>	Ge	72	288903.318	288903.318		ug/L
I	As	75	928.541	0.002	0.398806	ug/L
I	Se	77	130.002	0.000	0.141624	ug/L
I	Se	82	-8.178	-0.000	-0.120228	ug/L
I>	Rh	103	346475.677	346475.677		ug/L
I	Ag	107	76.001	0.000	0.004798	ug/L
I	Cd	111	19.386	0.000	0.007471	ug/L
I	Cd	114	18.418	0.000	0.001883	ug/L

Sample Information

Sample ID: 1002038-05
Autosampler Position: 23
Sample Date/Time: Wednesday, February 10, 2010 15:23:40
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1002038-05.023
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	10417.030	0.003	0.121458	0.031	25.376	ug/L
	Cr	53	521.358	0.000	0.107644	0.025	23.006	ug/L
	Co	59	12154.791	0.041	1.159814	0.033	2.837	ug/L
	Zn	66	115120.297	0.392	85.193392	1.602	1.880	ug/L
	Zn	68	89384.752	0.304	91.800604	1.458	1.588	ug/L
>	Ge	72	293015.570	293015.570				ug/L
	As	75	1360.264	0.004	0.637420	0.022	3.520	ug/L
	Se	77	119.669	0.000	0.040525	0.086	211.361	ug/L
	Se	82	6.238	-0.000	-0.037879	0.029	75.286	ug/L
>	Rh	103	349088.138	349088.138				ug/L
	Ag	107	60.668	0.000	0.003034	0.000	13.342	ug/L
	Cd	111	389.920	0.001	0.179132	0.014	8.036	ug/L
	Cd	114	907.626	0.003	0.180033	0.008	4.263	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	105.252
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.706
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	10158.321	0.002	0.088138	ug/L
	Cr	53	560.027	0.000	0.135111	ug/L
	Co	59	11971.143	0.040	1.138786	ug/L
	Zn	66	113141.146	0.384	83.491081	ug/L
	Zn	68	88012.782	0.298	90.129535	ug/L
>	Ge	72	293831.672	293831.672		ug/L
	As	75	1351.084	0.004	0.630008	ug/L
	Se	77	118.002	0.000	0.025393	ug/L
	Se	82	11.316	-0.000	-0.009388	ug/L
>	Rh	103	354208.288	354208.288		ug/L
	Ag	107	62.001	0.000	0.003079	ug/L
	Cd	111	380.353	0.001	0.162887	ug/L

: 00379

L	Cd	114	918.246	0.003	0.178048	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	10469.772	0.004	0.135346	ug/L
I	Cr	53	498.022	0.000	0.087034	ug/L
I	Co	59	12477.012	0.042	1.197730	ug/L
I	Zn	66	114766.773	0.393	86.418739	ug/L
I	Zn	68	88850.476	0.307	92.610877	ug/L
I>	Ga	72	291342.745	291342.745		ug/L
I	As	75	1321.706	0.004	0.619827	ug/L
I	Se	77	109.002	-0.000	-0.038656	ug/L
L	Se	82	9.214	-0.000	0.037811	ug/L
[>	Rh	103	342873.568	342873.568		ug/L
I	Ag	107	63.001	0.000	0.003415	ug/L
I	Cd	111	408.738	0.001	0.190304	ug/L
L	Cd	114	931.058	0.003	0.186156	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	10621.998	0.004	0.142882	ug/L
I	Cr	53	516.024	0.000	0.100786	ug/L
I	Co	59	12018.219	0.040	1.142948	ug/L
I	Zn	66	117453.971	0.398	88.670375	ug/L
I	Zn	68	90290.986	0.308	92.461400	ug/L
I>	Ga	72	293872.293	293872.293		ug/L
I	As	75	1408.020	0.004	0.662627	ug/L
I	Se	77	132.003	0.000	0.132737	ug/L
L	Se	82	1.183	0.000	-0.088430	ug/L
[>	Rh	103	350386.588	350386.588		ug/L
I	Ag	107	57.001	0.000	0.002909	ug/L
I	Cd	111	402.670	0.001	0.184204	ug/L
I	Cd	114	875.569	0.002	0.172898	ug/L

: 00380

Sample Information

Sample ID: 1002038-06
Autosampler Position: 24
Sample Date/Time: Wednesday, February 10, 2010 15:26:27
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1002038-06.024
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	11317.407	0.007	0.263530	0.045	16.924	ug/L
	Cr	53	621.700	0.001	0.222914	0.029	12.873	ug/L
	Co	59	14321.820	0.049	1.399448	0.024	1.688	ug/L
	Zn	66	95603.162	0.332	72.277370	1.232	1.704	ug/L
	Zn	68	69785.640	0.242	73.156396	1.163	1.590	ug/L
>	Ge	72	286740.024	286740.024				ug/L
	As	75	1022.234	0.003	0.455596	0.014	2.992	ug/L
	Se	77	118.336	0.000	0.050091	0.064	128.137	ug/L
	Se	82	-16.779	-0.000	-0.170358	0.067	39.375	ug/L
>	Rh	103	346533.077	346533.077				ug/L
	Ag	107	70.334	0.000	0.004149	0.001	20.522	ug/L
	Cd	111	369.742	0.001	0.170943	0.017	9.686	ug/L
	Cd	114	832.829	0.002	0.166305	0.011	6.653	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.998
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.955
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	11442.272	0.008	0.308110	ug/L
	Cr	53	622.033	0.001	0.238142	ug/L
	Co	59	14310.464	0.050	1.426887	ug/L
	Zn	66	95542.992	0.339	73.667086	ug/L
	Zn	68	69348.711	0.245	74.169408	ug/L
>	Ge	72	281038.888	281038.888		ug/L
	As	75	1008.049	0.003	0.458068	ug/L
	Se	77	112.002	0.000	0.018488	ug/L
	Se	82	24.881	0.000	0.219488	ug/L
>	Rh	103	352156.589	352156.589		ug/L
	Ag	107	63.001	0.000	0.003226	ug/L
	Cd	111	380.172	0.001	0.172942	ug/L

00381

L	Cd	114	786.830	0.002	0.184200	ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
I	Cr	52	11071.666	0.008	0.218811	ug/L
I	Cr	53	647.038	0.001	0.242810	ug/L
I	Co	59	14310.484	0.048	1.384713	ug/L
I	Zn	66	95812.270	0.330	71.735198	ug/L
I	Zn	68	96244.709	0.238	71.869781	ug/L
I>	Ge	72	288478.087	288478.087		ug/L
I	As	75	1053.010	0.003	0.467830	ug/L
I	Se	77	114.002	0.000	0.007852	ug/L
I	Se	82	-21.802	-0.000	-0.197841	ug/L
I>	Rh	103	342114.667	342114.667		ug/L
I	Ag	107	71.001	0.000	0.004316	ug/L
I	Cd	111	397.836	0.001	0.186410	ug/L
L	Cd	114	834.984	0.002	0.168822	ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
I	Cr	52	11438.288	0.007	0.283671	ug/L
I	Cr	53	588.031	0.001	0.185980	ug/L
I	Co	59	14344.532	0.048	1.388836	ug/L
I	Zn	66	96484.824	0.328	71.408820	ug/L
I	Zn	68	70763.600	0.243	73.413888	ug/L
I>	Ge	72	288706.089	288706.089		ug/L
I	As	75	1007.641	0.003	0.440801	ug/L
I	Se	77	129.002	0.000	0.123952	ug/L
I	Se	82	3.663	-0.000	-0.063838	ug/L
I>	Rh	103	345327.946	345327.946		ug/L
I	Ag	107	77.001	0.000	0.004804	ug/L
I	Cd	111	331.220	0.001	0.153477	ug/L
L	Cd	114	877.714	0.003	0.175883	ug/L

Sample Information

Sample ID: 1002038-07
Autosampler Position: 25
Sample Date/Time: Wednesday, February 10, 2010 15:29:14
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1002038-07.025
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	11265.997	0.006	0.228147	0.065	28.389	ug/L
	Cr	53	690.041	0.001	0.279952	0.154	55.135	ug/L
	Co	59	2908.288	0.009	0.267344	0.004	1.559	ug/L
	Zn	66	12221.237	0.041	8.849701	0.169	1.912	ug/L
	Zn	68	9472.038	0.031	9.333808	0.122	1.310	ug/L
>	Ge	72	292716.200	292716.200				ug/L
	As	75	357.794	0.000	0.060226	0.030	49.262	ug/L
	Se	77	124.669	0.000	0.080166	0.013	16.260	ug/L
	Se	82	32.672	0.000	0.110794	0.119	107.262	ug/L
>	Rh	103	346988.672	346988.672				ug/L
	Ag	107	41.001	0.000	0.000913	0.001	70.566	ug/L
	Cd	111	71.545	0.000	0.031753	0.002	5.592	ug/L
	Cd	114	154.319	0.000	0.029267	0.004	12.918	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	105.145
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.089
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	10826.307	0.004	0.156250	ug/L
	Cr	53	604.032	0.001	0.184035	ug/L
	Co	59	2911.622	0.008	0.264046	ug/L
	Zn	66	12180.484	0.040	8.688841	ug/L
	Zn	68	9472.371	0.030	9.208384	ug/L
>	Ge	72	296494.411	296484.411		ug/L
	As	75	303.338	0.000	0.026346	ug/L
	Se	77	128.002	0.000	0.093342	ug/L
	Se	82	38.419	0.000	0.141204	ug/L
>	Rh	103	346257.388	346257.388		ug/L
	Ag	107	35.000	0.000	0.000284	ug/L
	Cd	111	68.550	0.000	0.030868	ug/L

Sample ID: 1002038-07
Report Date/Time: Wednesday, February 10, 2010 15:30:20

: 00383

L	Cd	114	175.389	0.000	0.033583	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	11563.482	0.008	0.261933	ug/L
I	Cr	53	856.080	0.002	0.458004	ug/L
I	Co	59	2818.629	0.010	0.272038	ug/L
I	Zn	66	12042.283	0.041	8.634089	ug/L
I	Zn	68	9483.359	0.031	9.452703	ug/L
I>	Ge	72	288808.711	288808.711		ug/L
I	As	75	390.042	0.000	0.081958	ug/L
I	Se	77	123.002	0.000	0.079878	ug/L
L	Se	82	9.222	-0.000	-0.020298	ug/L
[>	Rh	103	348380.013	348380.013		ug/L
I	Ag	107	47.001	0.000	0.001968	ug/L
I	Cd	111	76.218	0.000	0.033784	ug/L
L	Cd	114	147.043	0.000	0.027881	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	11418.233	0.007	0.246280	ug/L
I	Cr	53	610.032	0.001	0.197816	ug/L
I	Co	59	2894.615	0.009	0.284868	ug/L
I	Zn	66	12480.884	0.043	9.028173	ug/L
I	Zn	68	9480.382	0.031	9.340327	ug/L
I>	Ge	72	282747.478	282747.478		ug/L
I	As	75	390.002	0.000	0.072776	ug/L
I	Se	77	123.002	0.000	0.067277	ug/L
L	Se	82	50.373	0.000	0.211474	ug/L
[>	Rh	103	348348.638	348348.638		ug/L
I	Ag	107	41.001	0.000	0.000822	ug/L
I	Cd	111	68.886	0.000	0.030668	ug/L
L	Cd	114	140.536	0.000	0.026639	ug/L

Sample Information

Sample ID: 1002038-08
Autosampler Position: 26
Sample Date/Time: Wednesday, February 10, 2010 15:32:01
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1002038-08.026
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	14483.481	0.018	0.648437	0.008	1.202	ug/L
	Cr	53	987.078	0.002	0.592005	0.013	2.217	ug/L
	Co	59	682.039	0.002	0.053034	0.003	4.875	ug/L
	Zn	66	2379.754	0.007	1.562243	0.040	2.586	ug/L
	Zn	68	2188.357	0.006	1.837131	0.042	2.261	ug/L
>	Ge	72	288946.149	288946.149				ug/L
	As	75	1230.118	0.003	0.572318	0.027	4.798	ug/L
	Se	77	120.336	0.000	0.059033	0.058	97.863	ug/L
	Se	82	8.592	-0.000	-0.024538	0.122	496.063	ug/L
>	Rh	103	347653.515	347653.515				ug/L
	Ag	107	51.667	0.000	0.002074	0.001	34.437	ug/L
	Cd	111	15.861	0.000	0.005800	0.004	65.804	ug/L
	Cd	114	27.588	0.000	0.003715	0.001	15.405	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.790
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.284
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	*Analyte*	*Mass*	*Out of Limits Message*

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	14545.941	0.018	0.640010	ug/L
	Cr	53	1007.081	0.002	0.603363	ug/L
	Co	59	680.037	0.002	0.050292	ug/L
	Zn	66	2366.418	0.007	1.536228	ug/L
	Zn	68	2253.378	0.006	1.884366	ug/L
>	Ge	72	291541.620	291541.620		ug/L
	As	75	1294.703	0.004	0.603463	ug/L
	Se	77	119.002	0.000	0.040247	ug/L
	Se	82	33.310	0.000	0.115880	ug/L
>	Rh	103	348118.880	348118.880		ug/L
	Ag	107	58.001	0.000	0.002756	ug/L
	Cd	111	24.925	0.000	0.010000	ug/L

	Cd	114	30 053	0 000	0 004202	ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	14438 723	0 016	0 648625	ug/L
	Cr	53	986 078	0 002	0 566019	ug/L
	Co	59	663 039	0 002	0 053383	ug/L
	Zn	66	2343 408	0 007	1 541721	ug/L
	Zn	68	2150 348	0 006	1 808435	ug/L
IS	Ge	72	287810 761	287810 761		ug/L
	As	75	1189 725	0 003	0 851584	ug/L
	Se	77	114 002	0 000	0 012993	ug/L
	Se	82	4 770	-0 000	-0 100467	ug/L
IS	Rh	103	348480 822	348480 822		ug/L
	Ag	107	52 001	0 000	0 002129	ug/L
	Cd	111	13 781	0 000	0 004858	ug/L
	Cd	114	28 207	0 000	0 003858	ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	14466.779	0 016	0 666377	ug/L
	Cr	53	988 078	0 002	0 577634	ug/L
	Co	59	703 043	0 002	0 056437	ug/L
	Zn	66	2429 437	0 007	1 608784	ug/L
	Zn	68	2161 349	0 006	1 820582	ug/L
IS	Ge	72	287486 088	287486 088		ug/L
	As	75	1205 934	0 003	0 581697	ug/L
	Se	77	128 002	0 000	0 123868	ug/L
	Se	82	2 763	-0 000	-0 088877	ug/L
IS	Rh	103	348361 062	348361 062		ug/L
	Ag	107	45 001	0 000	0 001333	ug/L
	Cd	111	8 676	0 000	0 002544	ug/L
	Cd	114	24 508	0 000	0 003084	ug/L

Sample Information

Sample ID: 0B10035-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, February 10, 2010 15:34:46
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\0B10035-CCV.027
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	323122.238	1.124	40.649742	0.703	1.729	ug/L
	Cr	53	37627.228	0.133	39.427890	0.478	1.212	ug/L
	Co	59	387824.835	1.387	39.248205	0.122	0.311	ug/L
	Zn	66	50401.030	0.179	38.988611	0.263	0.674	ug/L
	Zn	68	36950.363	0.131	39.536476	0.264	0.669	ug/L
>	Ge	72	279431.673	279431.673				ug/L
	As	75	65589.024	0.234	39.488542	0.387	0.979	ug/L
	Se	77	4866.707	0.017	38.404848	1.124	2.928	ug/L
	Se	82	6601.355	0.024	38.996384	1.265	3.245	ug/L
>	Rh	103	334703.230	334703.230				ug/L
	Ag	107	344739.865	1.030	39.212974	1.136	2.896	ug/L
	Cd	111	78771.419	0.235	38.056139	1.669	4.387	ug/L
	Cd	114	184845.416	0.552	38.622197	0.992	2.568	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.373
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.474
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	318608.810	1.106	39.980284	ug/L
	Cr	53	37930.824	0.134	39.669887	ug/L
	Co	59	389611.238	1.391	39.338668	ug/L
	Zn	66	50373.502	0.179	38.888606	ug/L
	Zn	68	36758.713	0.130	39.248727	ug/L
>	Ge	72	280001.299	280001.299		ug/L
	As	75	64883.811	0.231	39.042277	ug/L
	Se	77	4946.782	0.017	38.972681	ug/L
	Se	82	6371.382	0.023	37.567719	ug/L
>	Rh	103	336572.435	336572.435		ug/L
	Ag	107	339237.185	1.008	38.364481	ug/L
	Cd	111	78361.135	0.233	37.635298	ug/L

: 00387

L	Cd	114	181562.884	0.538	37.719868	ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	327368.028	1.144	41.381500	ug/L
[	Cr	53	37757.910	0.134	38.739158	ug/L
[	Co	59	388634.643	1.389	39.298800	ug/L
[	Zn	66	50585.886	0.181	39.287020	ug/L
[	Zn	68	37004.977	0.132	39.769856	ug/L
[>	Ge	72	278223.809	278223.809		ug/L
[	As	75	66888.589	0.236	39.721173	ug/L
[	Se	77	4888.563	0.016	37.109882	ug/L
[	Se	82	6858.709	0.024	39.494017	ug/L
[>	Rh	103	337256.809	337256.809		ug/L
[	Ag	107	343630.282	1.019	38.771218	ug/L
[	Cd	111	78438.813	0.237	38.637382	ug/L
[	Cd	114	183626.907	0.560	38.464073	ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	323389.777	1.122	40.587442	ug/L
[	Cr	53	37192.852	0.131	38.677548	ug/L
[	Co	59	367338.725	1.383	39.109820	ug/L
[	Zn	66	50283.732	0.178	38.792008	ug/L
[	Zn	68	37088.369	0.131	39.581748	ug/L
[>	Ge	72	280088.912	280088.912		ug/L
[	As	75	66082.884	0.236	39.702177	ug/L
[	Se	77	4967.777	0.017	39.152180	ug/L
[	Se	82	6778.987	0.024	39.837417	ug/L
[>	Rh	103	330280.648	330280.648		ug/L
[	Ag	107	351482.128	1.064	40.503228	ug/L
[	Cd	111	81514.809	0.247	39.606738	ug/L
[	Cd	114	187448.079	0.568	39.683558	ug/L

L

Sample ID: 0B10035-CCV
Report Date/Time: Wednesday, February 10, 2010 15:35:50

Sample Information

Sample ID: 0B10035-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, February 10, 2010 15:38:01
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\0B10035-CCB.028
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	9036.470	-0.000	-0.000230	0.010	4414.531	ug/L
	Cr	53	424.684	0.000	0.028773	0.016	54.292	ug/L
	Co	59	106.669	-0.000	-0.003003	0.000	14.576	ug/L
	Zn	66	283.342	-0.000	-0.009161	0.004	44.264	ug/L
	Zn	68	433.017	0.000	0.013468	0.007	54.670	ug/L
>	Ge	72	280746.192	280746.192				ug/L
	As	75	266.323	0.000	0.013650	0.032	234.437	ug/L
	Se	77	104.335	-0.000	-0.042688	0.111	259.912	ug/L
	Se	82	-1.138	-0.000	-0.080746	0.243	300.548	ug/L
>	Rh	103	332697.861	332697.861				ug/L
	Ag	107	111.335	0.000	0.009147	0.001	10.411	ug/L
	Cd	111	9.757	0.000	0.003164	0.001	16.301	ug/L
	Cd	114	20.876	0.000	0.002554	0.000	18.076	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.845
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	97.884
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	9063.688	0.000	-0.010818	ug/L
	Cr	53	436.018	0.000	0.042982	ug/L
	Co	59	111.002	-0.000	-0.002567	ug/L
	Zn	66	282.008	-0.000	-0.010188	ug/L
	Zn	68	429.017	0.000	0.008183	ug/L
>	Ge	72	280733.210	280733.210		ug/L
	As	75	235.050	-0.000	0.005030	ug/L
	Se	77	104.002	-0.000	-0.044837	ug/L
	Se	82	23.022	-0.000	-0.208704	ug/L
>	Rh	103	333088.788	333088.788		ug/L
	Ag	107	109.002	0.000	0.008874	ug/L
	Cd	111	10.779	0.000	0.003857	ug/L

	Cd	114	23.331	0.000	0.003084	ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	8983.738	0.000	0.000707	ug/L
	Cr	53	408.016	0.000	0.011981	ug/L
	Co	59	106.002	-0.000	-0.003000	ug/L
	Zn	66	277.006	0.000	0.012819	ug/L
	Zn	68	438.018	0.000	0.021970	ug/L
IS	Ge	73	278887.978	278887.978		ug/L
	As	75	234.182	-0.000	-0.004630	ug/L
	Se	77	90.001	-0.000	0.152580	ug/L
	Se	82	-26.912	-0.000	-0.232671	ug/L
IS	Rh	103	336780.938	336780.938		ug/L
	Ag	107	122.002	0.000	0.010308	ug/L
	Cd	111	9.988	0.000	0.003308	ug/L
	Cd	114	19.257	0.000	0.002164	ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	9171.877	0.000	0.000421	ug/L
	Cr	53	430.017	0.000	0.031437	ug/L
	Co	59	103.002	0.000	-0.003443	ug/L
	Zn	66	291.008	-0.000	0.004988	ug/L
	Zn	68	432.017	0.000	0.006282	ug/L
IS	Ge	73	282817.388	282817.388		ug/L
	As	75	329.736	0.000	0.050649	ug/L
	Se	77	119.002	0.000	0.068322	ug/L
	Se	82	46.531	0.000	0.198138	ug/L
IS	Rh	103	328243.880	328243.880		ug/L
	Ag	107	103.002	0.000	0.008361	ug/L
	Cd	111	8.534	0.000	0.002828	ug/L
	Cd	114	20.038	0.000	0.003434	ug/L

Sample Information

Sample ID: 1002038-09
Autosampler Position: 27
Sample Date/Time: Wednesday, February 10, 2010 15:41:15
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1002038-09.029
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	13480.845	0.014	0.522466	0.027	5.250	ug/L
	Cr	53	927.736	0.002	0.530797	0.014	2.549	ug/L
	Co	59	1511.509	0.005	0.134148	0.004	3.046	ug/L
	Zn	66	1942.950	0.006	1.233248	0.044	3.549	ug/L
	Zn	68	1982.962	0.005	1.621545	0.030	1.875	ug/L
>	Ge	72	289059.382	289059.382				ug/L
	As	75	693.527	0.002	0.258777	0.027	10.542	ug/L
	Se	77	124.669	0.000	0.092599	0.081	88.004	ug/L
	Se	82	-19.438	-0.000	-0.184731	0.117	63.295	ug/L
>	Rh	103	343186.364	343186.364				ug/L
	Ag	107	121.336	0.000	0.009889	0.002	19.435	ug/L
	Cd	111	21.098	0.000	0.008390	0.006	75.903	ug/L
	Cd	114	32.136	0.000	0.004730	0.002	45.048	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.831
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.970
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	13621.111	0.016	0.549077	ug/L
	Cr	53	921.068	0.002	0.526216	ug/L
	Co	59	1457.183	0.006	0.129827	ug/L
	Zn	66	1968.281	0.008	1.259988	ug/L
	Zn	68	1940.283	0.008	1.587946	ug/L
>	Ge	72	297488.473	297488.473		ug/L
	As	75	743.108	0.002	0.290044	ug/L
	Se	77	136.003	0.000	0.186588	ug/L
	Se	82	2.738	0.000	-0.088841	ug/L
>	Rh	103	339467.764	339467.764		ug/L
	Ag	107	139.003	0.000	0.012003	ug/L
	Cd	111	39.250	0.000	0.015212	ug/L

Sample ID: 1002038-09
Report Date/Time: Wednesday, February 10, 2010 15:42:19

Cd	114	40 912	0 009	0 008583	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	13359 615	0 014	0 524033	ug/L
Cr	53	908 087	0 002	0 519129	ug/L
Co	59	1507 174	0 005	0 135841	ug/L
Zn	66	1958 287	0 006	1 257039	ug/L
Zn	68	1987 298	0 006	1 647158	ug/L
Ge	72	288180 382	288180 382		ug/L
As	75	854 589	0 001	0 239838	ug/L
Se	77	117 002	0 000	0 041798	ug/L
Se	82	41 959	-0 000	-0 314988	ug/L
Rh	103	342818 033	342818 033		ug/L
Ag	107	117 002	0 000	0 008418	ug/L
Cd	111	8 853	0 000	0 002803	ug/L
Cd	114	34 421	0 000	0 008180	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	13461 808	0 014	0 484288	ug/L
Cr	53	956 074	0 002	0 545047	ug/L
Co	59	1570 188	0 006	0 137577	ug/L
Zn	66	1906 273	0 006	1 162735	ug/L
Zn	68	2021 306	0 006	1 629631	ug/L
Ge	72	293521 291	293521 291		ug/L
As	75	882 904	0 001	0 246481	ug/L
Se	77	121 002	0 000	0 049408	ug/L
Se	82	-13 716	0 000	0 160384	ug/L
Rh	103	347472 298	347472 298		ug/L
Ag	107	108 002	0 000	0 008248	ug/L
Cd	111	18 191	0 000	0 007384	ug/L
Cd	114	21 078	0 000	0 002408	ug/L

Sample Information

Sample ID: 1002038-10
Autosampler Position: 28
Sample Date/Time: Wednesday, February 10, 2010 15:44:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1002038-10.030
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	14231.975	0.017	0.616183	0.031	4.951	ug/L
	Cr	53	1083.093	0.002	0.689855	0.016	2.370	ug/L
	Co	59	1094.428	0.003	0.093358	0.002	2.657	ug/L
	Zn	66	2601.500	0.008	1.728055	0.061	3.530	ug/L
	Zn	68	2101.664	0.006	1.745543	0.083	4.737	ug/L
>	Ge	72	289086.628	289086.628				ug/L
	As	75	633.894	0.001	0.224027	0.029	13.017	ug/L
	Se	77	121.002	0.000	0.063392	0.036	56.199	ug/L
	Se	82	-3.424	-0.000	-0.092860	0.028	30.549	ug/L
>	Rh	103	350622.488	350622.488				ug/L
	Ag	107	112.002	0.000	0.008576	0.000	1.874	ug/L
	Cd	111	18.405	0.000	0.006935	0.003	47.311	ug/L
	Cd	114	27.479	0.000	0.003639	0.001	28.435	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.841
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	103.158
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mean Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	14184.171	0.016	0.585790	ug/L
	Cr	53	1104.086	0.002	0.697768	ug/L
	Co	59	1079.082	0.003	0.090674	ug/L
	Zn	66	2582.488	0.008	1.681128	ug/L
	Zn	68	2109.381	0.006	1.788078	ug/L
>	Ge	72	292802.723	292802.723		ug/L
	As	75	589.001	0.001	0.191188	ug/L
	Se	77	127.002	0.000	0.066586	ug/L
	Se	82	2.351	0.000	-0.060308	ug/L
>	Rh	103	349521.471	349521.471		ug/L
	Ag	107	110.002	0.000	0.008393	ug/L
	Cd	111	18.137	0.000	0.006612	ug/L

: 00393

	Cd	114	28 880	0 000	0 003944	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	14472 782	0 018	0 847289	ug/L
	Cr	53	1084 080	0 002	0 671062	ug/L
	Co	59	1114 089	0 003	0 085334	ug/L
	Zn	66	2883 535	0 008	1 798457	ug/L
	Zn	68	2008 303	0 006	1 660184	ug/L
I>	Ge	72	288912 956	288912 956		ug/L
	As	75	672 929	0 001	0 246868	ug/L
	Se	77	121 002	0 000	0 084341	ug/L
	Se	82	-8 846	-0 000	-0 112289	ug/L
I>	Rh	103	347237 287	347237 287		ug/L
	Ag	107	112 002	0 000	0 008865	ug/L
	Cd	111	25 456	0 000	0 010276	ug/L
	Cd	114	21 484	0 000	0 002466	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	14088 983	0 017	0 814988	ug/L
	Cr	53	1081 088	0 002	0 700748	ug/L
	Co	59	1080 094	0.003	0 084167	ug/L
	Zn	66	2527 478	0 008	1 694878	ug/L
	Zn	68	2126.336	0 006	1.797388	ug/L
I>	Ge	72	285744 204	285744 204		ug/L
	As	75	643.783	0 001	0 234007	ug/L
	Se	77	115 002	0 000	0 027380	ug/L
	Se	82	-5 884	-0 000	0 105884	ug/L
I>	Rh	103	356008 727	356008.727		ug/L
	Ag	107	114 002	0 000	0 008840	ug/L
	Cd	111	11 622	0 000	0 003718	ug/L
	Cd	114	32 082	0 000	0 004488	ug/L

Sample Information

Sample ID: 1002038-11
Autosampler Position: 29
Sample Date/Time: Wednesday, February 10, 2010 15:46:45
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1002038-11.031
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	9620.905	0.001	0.042258	0.020	47.518	ug/L
	Cr	53	488.022	0.000	0.082048	0.023	28.270	ug/L
	Co	59	111.335	-0.000	-0.002835	0.001	18.446	ug/L
	Zn	66	1100.096	0.003	0.600802	0.011	1.888	ug/L
	Zn	68	1013.082	0.002	0.609346	0.011	1.861	ug/L
>	Ge	72	288406.783	288406.783				ug/L
	As	75	412.243	0.001	0.094960	0.020	21.181	ug/L
	Se	77	119.002	0.000	0.050832	0.101	198.028	ug/L
	Se	82	19.072	0.000	0.036289	0.100	275.839	ug/L
>	Rh	103	346912.443	346912.443				ug/L
	Ag	107	51.667	0.000	0.002087	0.001	54.572	ug/L
	Cd	111	7.094	0.000	0.001737	0.003	153.866	ug/L
	Cd	114	16.006	0.000	0.001393	0.001	50.585	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.597
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.066
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	9519.429	0.001	0.019810	ug/L
	Cr	53	484.021	0.000	0.073630	ug/L
	Co	59	110.002	0.000	0.002580	ug/L
	Zn	66	1112.089	0.003	0.603281	ug/L
	Zn	68	1006.081	0.002	0.598825	ug/L
>	Ge	72	290878.388	290878.388		ug/L
	As	75	384.847	0.000	0.077210	ug/L
	Se	77	116.002	0.000	0.019706	ug/L
	Se	82	4.340	0.000	0.048397	ug/L
>	Rh	103	345999.288	345999.288		ug/L
	Ag	107	49.001	0.000	0.001807	ug/L
	Cd	111	13.206	0.000	0.004588	ug/L

L	Cd	114	19 394	0 009	0 002577	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	9707 889	0 001	0 048278	ug/L
I	Cr	53	472 030	0 000	0 064003	ug/L
I	Co	59	115 003	-0 000	-0 002907	ug/L
I	Zn	66	1087 084	0 003	0 588432	ug/L
I	Zn	68	1019 083	0 002	0 612282	ug/L
I>	Ge	72	286298 087	286298 087		ug/L
I	As	75	450 882	0 001	0 116807	ug/L
I	Se	77	109 002	-0 009	-0 030580	ug/L
L	Se	82	36 458	0 000	0 146799	ug/L
[>	Rh	103	346349 686	346349 686		ug/L
I	Ag	107	63 001	0 000	0 003340	ug/L
I	Cd	111	6 187	0 000	0 001314	ug/L
L	Cd	114	16 189	0 000	0 001434	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	9639 686	0 002	0 067884	ug/L
I	Cr	53	508 023	0 000	0 108210	ug/L
I	Co	59	104 003	-0 000	-0 003438	ug/L
I	Zn	66	1101 086	0 003	0 610712	ug/L
I	Zn	68	1011 082	0 002	0 618632	ug/L
I>	Ge	72	285248 863	285248 863		ug/L
I	As	75	400 821	0 001	0 080884	ug/L
I	Se	77	132 003	0 009	0 163380	ug/L
L	Se	82	14 418	0 000	0 010608	ug/L
[>	Rh	103	348388 346	348388 346		ug/L
I	Ag	107	43 001	0 000	0 001115	ug/L
I	Cd	111	1 887	-0 000	-0 000889	ug/L
L	Cd	114	12 473	0 000	0 000888	ug/L

Sample Information

Sample ID: 1002038-12
Autosampler Position: 30
Sample Date/Time: Wednesday, February 10, 2010 15:49:31
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1002038-12.032
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	11083.705	0.006	0.226307	0.043	18.868	ug/L
	Cr	53	673.038	0.001	0.272212	0.039	14.289	ug/L
	Co	59	321.344	0.001	0.017745	0.003	19.239	ug/L
	Zn	66	1718.557	0.005	1.067545	0.037	3.448	ug/L
	Zn	68	1667.545	0.004	1.295725	0.052	3.992	ug/L
>	Ge	72	288346.811	288346.811				ug/L
	As	75	11799.990	0.040	6.765864	0.215	3.174	ug/L
	Se	77	123.336	0.000	0.084582	0.073	86.503	ug/L
	Se	82	8.196	-0.000	-0.026367	0.059	225.225	ug/L
>	Rh	103	342744.052	342744.052				ug/L
	Ag	107	55.001	0.000	0.002528	0.001	44.923	ug/L
	Cd	111	12.597	0.000	0.004370	0.001	32.335	ug/L
	Cd	114	27.412	0.000	0.003759	0.001	17.309	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.575
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.840
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	10982.648	0.006	0.189837	ug/L
	Cr	53	671.038	0.001	0.256228	ug/L
	Co	59	336.011	0.001	0.018847	ug/L
	Zn	66	1737.229	0.006	1.056279	ug/L
	Zn	68	1737.229	0.004	1.338261	ug/L
>	Ge	72	293290.078	293290.078		ug/L
	As	75	11787.318	0.039	6.628409	ug/L
	Se	77	128.002	0.000	0.103882	ug/L
	Se	82	18.223	0.000	0.029888	ug/L
>	Rh	103	345281.782	345281.782		ug/L
	Ag	107	45.001	0.000	0.001377	ug/L
	Cd	111	10.189	0.000	0.003188	ug/L

L	Cd	114	27.280	0.000	0.003888	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
f	Cr	52	11000.674	0.008	0.215894	ug/L
I	Cr	53	844.058	0.001	0.242244	ug/L
I	Ce	58	348.012	0.001	0.020388	ug/L
I	Zn	66	1676.213	0.005	1.035676	ug/L
I	Zn	68	1612.188	0.004	1.238152	ug/L
I>	Ge	72	288293.686	288293.686		ug/L
I	As	75	11813.739	0.039	8.655672	ug/L
I	Se	77	113.002	0.000	0.003671	ug/L
I	Se	82	-2.705	-0.000	-0.088618	ug/L
I>	Rh	103	340813.648	340813.648		ug/L
I	Ag	107	55.001	0.000	0.002589	ug/L
I	Cd	111	11.702	0.000	0.003976	ug/L
I	Cd	114	30.568	0.000	0.004443	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
f	Cr	52	11267.983	0.008	0.273321	ug/L
I	Cr	53	704.042	0.001	0.316188	ug/L
I	Ce	58	277.008	0.000	0.013892	ug/L
I	Zn	66	1742.230	0.008	1.107786	ug/L
I	Zn	68	1653.208	0.004	1.310782	ug/L
I>	Ge	72	283456.881	283456.881		ug/L
I	As	75	12018.913	0.042	7.013312	ug/L
I	Se	77	129.002	0.000	0.148084	ug/L
I	Se	82	9.974	0.000	-0.020149	ug/L
I>	Rh	103	342138.715	342138.715		ug/L
I	Ag	107	55.001	0.000	0.003948	ug/L
I	Cd	111	15.901	0.000	0.005639	ug/L
I	Cd	114	24.379	0.000	0.003148	ug/L

Sample Information

Sample ID: 1001061-MS1
Autosampler Position: 31
Sample Date/Time: Wednesday, February 10, 2010 15:52:16
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1001061-MS1.033
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	179582.646	0.597	21.596073	0.327	1.512	ug/L
	Cr	53	20816.163	0.072	21.171399	0.295	1.393	ug/L
	Co	59	210272.014	0.736	20.834469	0.201	0.965	ug/L
	Zn	66	27971.278	0.097	21.086082	0.127	0.600	ug/L
	Zn	68	20542.708	0.070	21.319709	0.272	1.274	ug/L
>	Ge	72	285321.367	285321.367				ug/L
	As	75	45654.034	0.159	26.872075	0.049	0.182	ug/L
	Se	77	2496.128	0.008	18.857159	0.562	2.981	ug/L
	Se	82	3307.727	0.012	19.100537	0.441	2.306	ug/L
>	Rh	103	347812.665	347812.665				ug/L
	Ag	107	184721.899	0.531	20.213495	0.029	0.141	ug/L
	Cd	111	42151.088	0.121	19.588974	0.346	1.765	ug/L
	Cd	114	96523.257	0.277	19.403619	0.262	1.351	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.488
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.331
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	179482.272	0.593	21.426589	ug/L
	Cr	53	20755.318	0.071	20.982331	ug/L
	Co	59	208434.088	0.729	20.611602	ug/L
	Zn	66	28082.379	0.097	21.027478	ug/L
	Zn	68	20538.691	0.070	21.169879	ug/L
>	Ge	72	287247.758	287247.758		ug/L
	As	75	45621.536	0.158	26.846218	ug/L
	Se	77	2436.439	0.008	18.248418	ug/L
	Se	82	3326.109	0.012	19.087507	ug/L
>	Rh	103	348589.829	348589.829		ug/L
	Ag	107	185302.846	0.531	20.231821	ug/L
	Cd	111	41914.585	0.120	19.435687	ug/L

: 00399

L	Cd	114	95295.015	0.273	19.113791	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
I	Cr	52	180890.946	0.608	21.972588	ug/L
I	Cr	53	20848.894	0.073	21.508771	ug/L
I	Ce	59	209899.983	0.739	20.898804	ug/L
I	Zn	66	27801.508	0.097	20.999462	ug/L
I	Zn	68	20209.726	0.070	21.158070	ug/L
I>	Ge	72	282701.627	282701.627		ug/L
I	As	75	45180.573	0.159	20.839748	ug/L
I	Se	77	2538.476	0.009	19.361217	ug/L
I	Se	82	3354.047	0.012	19.547413	ug/L
I>	Rh	103	346302.297	346302.297		ug/L
I	Ag	107	184680.643	0.530	20.180588	ug/L
I	Cd	111	43082.319	0.124	19.984726	ug/L
I	Cd	114	97757.561	0.281	19.423838	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
I	Cr	52	178388.021	0.592	21.388088	ug/L
I	Cr	53	20744.286	0.071	21.043084	ug/L
I	Ce	59	212483.273	0.742	21.002301	ug/L
I	Zn	66	28229.867	0.098	21.231304	ug/L
I	Zn	68	20889.709	0.072	21.633179	ug/L
I>	Ge	72	298014.717	298014.717		ug/L
I	As	75	45868.982	0.159	20.928291	ug/L
I	Se	77	2517.488	0.008	18.974841	ug/L
I	Se	82	3241.034	0.011	18.888882	ug/L
I>	Rh	103	346545.887	346546.887		ug/L
I	Ag	107	184182.209	0.531	20.228088	ug/L
I	Cd	111	41478.358	0.120	19.346210	ug/L
I	Cd	114	96517.206	0.278	19.473137	ug/L

Sample ID: 1001061-MS1
Report Date/Time: Wednesday, February 10, 2010 15:53:20

Sample Information

Sample ID: 1001061-MSD1
Autosampler Position: 32
Sample Date/Time: Wednesday, February 10, 2010 15:55:01
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1001061-MSD1.034
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	163627.420	0.537	19.426236	0.442	2.278	ug/L
|	Cr	53	19242.078	0.066	19.396919	0.454	2.342	ug/L
|	Co	59	192943.826	0.671	18.979252	0.149	0.783	ug/L
|	Zn	66	24850.405	0.085	18.573146	0.269	1.447	ug/L
|	Zn	68	18350.061	0.062	18.857497	0.329	1.742	ug/L
>	Ge	72	287385.130	287385.130				ug/L
|	As	75	41874.527	0.145	24.458109	0.108	0.440	ug/L
|	Se	77	2277.719	0.008	16.998944	0.112	0.660	ug/L
|	Se	82	2988.383	0.010	17.122826	0.148	0.862	ug/L
>	Rh	103	350615.166	350615.166				ug/L
|	Ag	107	169760.087	0.484	18.428701	0.285	1.548	ug/L
|	Cd	111	37846.392	0.108	17.447770	0.177	1.015	ug/L
|	Cd	114	87971.128	0.251	17.545320	0.599	3.413	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Zn	65.926	
|	Zn	67.925	
>	Ge	71.922	103.230
|	As	74.922	
|	Se	76.920	
|	Se	81.917	
>	Rh	102.905	103.156
|	Ag	106.905	
|	Cd	110.904	
|	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	161346.533	0.524	18.956117	ug/L
|	Cr	53	18999.428	0.064	18.999384	ug/L
|	Co	59	192936.881	0.666	18.808388	ug/L
|	Zn	66	24883.823	0.084	18.279283	ug/L
|	Zn	68	18187.307	0.061	18.514239	ug/L
>	Ge	72	289875.750	289875.750		ug/L
|	As	75	42127.081	0.144	24.384883	ug/L
|	Se	77	2282.387	0.007	16.974880	ug/L
|	Se	82	3017.942	0.010	17.136400	ug/L
>	Rh	103	351358.683	351358.693		ug/L
|	Ag	107	167744.473	0.477	18.170081	ug/L
|	Cd	111	38370.647	0.108	17.652288	ug/L

: 00401

Cd	114	85438.742	0.243	17.001214	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Units
Cr	52	164358.080	0.538	19.490813	ug/L
Cr	53	16220.016	0.088	19.347437	ug/L
Co	59	194188.422	0.674	19.079088	ug/L
Zn	66	25190.585	0.088	18.808088	ug/L
Zn	68	18669.553	0.083	19.188018	ug/L
Ge	72	287731.667	287731.667		ug/L
As	75	41840.822	0.146	24.408086	ug/L
Se	77	2284.386	0.008	17.029014	ug/L
Se	82	3016.088	0.010	17.261888	ug/L
Rh	103	353126.779	353126.779		ug/L
Ag	107	170847.722	0.488	18.381273	ug/L
Cd	111	37903.388	0.107	17.348847	ug/L
Cd	114	88122.481	0.250	17.447802	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Units
Cr	52	166176.638	0.548	19.832979	ug/L
Cr	53	18508.796	0.087	19.873668	ug/L
Co	59	191894.086	0.673	19.050381	ug/L
Zn	66	24676.788	0.086	18.633668	ug/L
Zn	68	18193.322	0.082	18.888232	ug/L
Ge	72	284447.983	284447.983		ug/L
As	75	41858.886	0.146	24.581640	ug/L
Se	77	2268.382	0.008	17.082988	ug/L
Se	82	2931.117	0.010	16.988088	ug/L
Rh	103	347380.028	347380.028		ug/L
Ag	107	170988.088	0.482	18.734749	ug/L
Cd	111	37288.242	0.107	17.341076	ug/L
Cd	114	90364.183	0.260	18.188844	ug/L

Sample Information

Sample ID: 0B10035-SRD1
Autosampler Position: 33
Sample Date/Time: Wednesday, February 10, 2010 15:57:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\0B10035-SRD1.035
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	9428.648	0.001	0.042611	0.021	49.488	ug/L
	Cr	53	480.021	0.000	0.083832	0.016	19.350	ug/L
	Co	59	143.670	0.000	0.000633	0.000	2.570	ug/L
	Zn	66	1693.884	0.005	1.075098	0.026	2.405	ug/L
	Zn	68	1452.162	0.004	1.101529	0.031	2.790	ug/L
>	Ge	72	282533.880	282533.880				ug/L
	As	75	2593.021	0.008	1.403465	0.047	3.374	ug/L
	Se	77	112.002	0.000	0.014340	0.163	1133.473	ug/L
	Se	82	9.282	-0.000	-0.018306	0.118	645.658	ug/L
>	Rh	103	340147.055	340147.055				ug/L
	Ag	107	168.670	0.000	0.015300	0.002	10.133	ug/L
	Cd	111	11.578	0.000	0.003939	0.002	47.044	ug/L
	Cd	114	6.154	-0.000	-0.000574	0.001	177.877	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	101.487
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.076
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	9280.117	0.001	0.019588	ug/L
Cr	53	484.021	0.000	0.086413	ug/L
Co	59	144.003	0.000	0.000617	ug/L
Zn	66	1671.212	0.005	1.053143	ug/L
Zn	68	1437.158	0.004	1.080084	ug/L
Ge	72	283494.138	283494.138		ug/L
As	75	2686.662	0.009	1.441918	ug/L
Se	77	90.001	-0.000	0.184379	ug/L
Se	82	24.278	0.000	0.088537	ug/L
Rh	103	338627.983	338627.983		ug/L
Ag	107	177.004	0.000	0.018432	ug/L
Cd	111	15.923	0.000	0.008072	ug/L

00403

L	Cd	114	2.324	-0.000	0.001352	ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	9356.217	0.001	0.047267	ug/L
[	Cr	53	458.019	0.000	0.068474	ug/L
[	Co	59	142.003	0.000	0.000631	ug/L
[	Zn	66	1711.222	0.005	1.103667	ug/L
[	Zn	68	1488.186	0.004	1.138721	ug/L
[>	Ge	72	279287.132	279287.132		ug/L
[	As	75	2587.352	0.008	1.417905	ug/L
[	Se	77	128.002	0.000	0.153344	ug/L
[	Se	82	17.317	0.000	0.029461	ug/L
[>	Rh	103	341317.888	341317.888		ug/L
[	Ag	107	175.004	0.000	0.015404	ug/L
[	Cd	111	9.702	0.000	0.003021	ug/L
[	Cd	114	4.298	-0.000	-0.000884	ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	9648.610	0.002	0.080981	ug/L
[	Cr	53	498.028	0.000	0.088607	ug/L
[	Co	59	145.003	0.000	0.000660	ug/L
[	Zn	66	1698.818	0.005	1.089584	ug/L
[	Zn	68	1481.182	0.004	1.087793	ug/L
[>	Ge	72	284620.374	284620.374		ug/L
[	As	75	2525.046	0.008	1.360572	ug/L
[	Se	77	118.002	0.000	0.084066	ug/L
[	Se	82	-13.747	-0.000	-0.152907	ug/L
[>	Rh	103	342486.308	342486.308		ug/L
[	Ag	107	154.003	0.000	0.013533	ug/L
[	Cd	111	9.108	0.000	0.003728	ug/L
[	Cd	114	11.841	0.000	0.000583	ug/L

Sample Information

Sample ID: 1001061-PS1
Autosampler Position: 34
Sample Date/Time: Wednesday, February 10, 2010 16:00:34
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1001061-PS1.036
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	170123.960	0.558	20.176062	0.239	1.183	ug/L
	Cr	53	20278.282	0.069	20.399717	0.259	1.270	ug/L
	Co	59	197180.930	0.684	19.337619	0.191	0.987	ug/L
	Zn	66	25599.392	0.088	19.080330	0.253	1.328	ug/L
	Zn	68	19370.759	0.066	19.869800	0.088	0.443	ug/L
>	Ge	72	288239.472	288239.472				ug/L
	As	75	44237.551	0.153	25.770765	0.344	1.334	ug/L
	Se	77	2363.415	0.008	17.617537	0.505	2.866	ug/L
	Se	82	3249.184	0.011	18.571519	0.548	2.951	ug/L
>	Rh	103	346705.028	346705.028				ug/L
	Ag	107	177795.503	0.513	19.518040	0.136	0.698	ug/L
	Cd	111	40735.533	0.117	18.992599	0.103	0.544	ug/L
	Cd	114	94507.525	0.273	19.060862	0.271	1.422	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.537
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.005
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	166881.132	0.552	19.846123	ug/L
	Cr	53	20363.180	0.070	20.653816	ug/L
	Co	59	193888.312	0.677	19.154989	ug/L
	Zn	66	25264.856	0.087	18.981133	ug/L
	Zn	68	19119.736	0.066	19.773138	ug/L
>	Ge	72	285808.710	285808.710		ug/L
	As	75	44470.902	0.156	26.127099	ug/L
	Se	77	2348.408	0.008	17.654816	ug/L
	Se	82	3278.141	0.011	18.894908	ug/L
>	Rh	103	342682.024	342682.024		ug/L
	Ag	107	175899.468	0.516	19.646290	ug/L
	Cd	111	40614.721	0.118	19.111837	ug/L

: 00405

	Cd	114	94922.622	0.277	19.398478	ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	199887.120	0.558	20.156422	ug/L
	Cr	53	20330.217	0.088	20.135736	ug/L
	Co	59	199177.804	0.891	19.535610	ug/L
	Zn	66	25338.104	0.087	18.883584	ug/L
	Zn	68	19440.614	0.086	18.948034	ug/L
IS	Ge	72	288218.649	288218.649		ug/L
	As	75	44191.985	0.152	25.744186	ug/L
	Se	77	2425.436	0.008	18.102829	ug/L
	Se	82	3303.331	0.011	18.680871	ug/L
IS	Rh	103	350737.234	350737.234		ug/L
	Ag	107	179871.880	0.513	18.529381	ug/L
	Cd	111	41083.808	0.117	18.933833	ug/L
	Cd	114	84564.219	0.270	18.867030	ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	173543.629	0.586	20.423841	ug/L
	Cr	53	20461.469	0.088	20.400801	ug/L
	Co	59	199996.874	0.883	19.322246	ug/L
	Zn	66	26198.219	0.089	19.388301	ug/L
	Zn	68	19668.829	0.086	19.891228	ug/L
IS	Ge	72	290893.056	290893.056		ug/L
	As	75	44049.765	0.151	25.441012	ug/L
	Se	77	2318.398	0.008	17.084988	ug/L
	Se	82	3166.079	0.011	17.936879	ug/L
IS	Rh	103	346715.828	346715.828		ug/L
	Ag	107	176616.180	0.506	19.376508	ug/L
	Cd	111	40808.372	0.117	18.932027	ug/L
	Cd	114	84008.734	0.271	18.967081	ug/L

Sample Information

Sample ID: 1002038-13
Autosampler Position: 35
Sample Date/Time: Wednesday, February 10, 2010 16:03:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1002038-13.037
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	11411.890	0.007	0.259577	0.012	4.432	ug/L
	Cr	53	685.040	0.001	0.280564	0.015	5.521	ug/L
	Co	59	1411.487	0.004	0.124017	0.006	4.515	ug/L
	Zn	66	2149.011	0.006	1.383286	0.024	1.700	ug/L
	Zn	68	1828.252	0.005	1.454578	0.031	2.145	ug/L
>	Ge	72	289858.691	289858.691				ug/L
	As	75	2000.446	0.006	1.019026	0.017	1.698	ug/L
	Se	77	118.336	0.000	0.040355	0.078	193.507	ug/L
	Se	82	2.540	-0.000	-0.058552	0.091	156.116	ug/L
>	Rh	103	344409.587	344409.587				ug/L
	Ag	107	240.673	0.001	0.023033	0.003	11.388	ug/L
	Cd	111	21.707	0.000	0.008596	0.004	47.636	ug/L
	Cd	114	26.312	0.000	0.003511	0.002	55.881	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	104.118
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.330
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	11379.170	0.007	0.247802	ug/L
	Cr	53	672.038	0.001	0.263472	ug/L
	Co	59	1353.142	0.004	0.117577	ug/L
	Zn	66	2192.368	0.006	1.408837	ug/L
	Zn	68	1827.252	0.006	1.442857	ug/L
>	Ge	72	291468.733	291468.733		ug/L
	As	75	2002.083	0.006	1.013457	ug/L
	Se	77	111.002	0.000	-0.021440	ug/L
	Se	82	-12.886	-0.000	-0.146079	ug/L
>	Rh	103	344035.786	344035.786		ug/L
	Ag	107	239.008	0.001	0.022881	ug/L
	Cd	111	14.218	0.000	0.006108	ug/L

00407

L	Cd	114	37.198	0.000	0.005726	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	11456.295	0.007	0.260667	ug/L
!	Cr	53	700.041	0.001	0.263673	ug/L
!	Co	59	1484.183	0.005	0.127734	ug/L
!	Zn	66	2158.347	0.005	1.353228	ug/L
!	Zn	68	1611.248	0.005	1.430836	ug/L
[>	Ge	72	280744.071	280744.071		ug/L
!	As	75	1982.870	0.005	1.005189	ug/L
!	Se	77	130.002	0.000	0.128121	ug/L
L	Se	82	19.231	0.000	0.036297	ug/L
[>	Rh	103	341452.088	341452.088		ug/L
!	Ag	107	263.007	0.001	0.025737	ug/L
!	Cd	111	19.334	0.000	0.007578	ug/L
L	Cd	114	22.709	0.000	0.002816	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	11401.208	0.007	0.270648	ug/L
!	Cr	53	683.038	0.001	0.284848	ug/L
!	Co	59	1427.157	0.004	0.126740	ug/L
!	Zn	66	2099.329	0.005	1.358805	ug/L
!	Zn	68	1648.257	0.005	1.469843	ug/L
[>	Ge	72	287363.288	287363.288		ug/L
!	As	75	2018.383	0.005	1.038430	ug/L
!	Se	77	114.002	0.000	0.014384	ug/L
L	Se	82	1.253	-0.000	-0.005873	ug/L
[>	Rh	103	347740.907	347740.907		ug/L
!	Ag	107	220.008	0.001	0.020800	ug/L
!	Cd	111	31.572	0.000	0.013103	ug/L
L	Cd	114	19.027	0.000	0.001991	ug/L

Sample Information

Sample ID: 1001063-BLK1
Autosampler Position: 36
Sample Date/Time: Wednesday, February 10, 2010 16:06:08
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1001063-BLK1.038
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	9388.599	0.000	0.015809	0.055	349.750	ug/L
	Cr	53	472.020	0.000	0.066530	0.024	36.036	ug/L
	Co	59	90.001	-0.000	-0.004912	0.001	17.199	ug/L
	Zn	66	1464.832	0.004	0.878257	0.043	4.894	ug/L
	Zn	68	1292.463	0.003	0.905092	0.037	4.118	ug/L
>	Ge	72	287821.290	287821.290				ug/L
	As	75	240.016	-0.000	-0.005657	0.017	304.443	ug/L
	Se	77	111.002	-0.000	-0.010389	0.034	325.465	ug/L
	Se	82	5.644	-0.000	-0.040129	0.072	179.624	ug/L
>	Rh	103	354216.483	354216.483				ug/L
	Ag	107	84.668	0.000	0.005517	0.000	5.350	ug/L
	Cd	111	-1.270	-0.000	-0.002171	0.003	153.365	ug/L
	Cd	114	10.922	0.000	0.000327	0.001	298.766	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.386
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	104.215
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	9083.838	-0.001	-0.038810	ug/L
	Cr	53	466.020	0.000	0.063360	ug/L
	Co	59	101.002	-0.000	-0.003848	ug/L
	Zn	66	1419.196	0.004	0.830186	ug/L
	Zn	68	1286.128	0.003	0.880524	ug/L
>	Ge	72	291437.498	291437.498		ug/L
	As	75	264.771	0.000	0.008897	ug/L
	Se	77	110.003	-0.000	0.029088	ug/L
	Se	82	8.648	-0.000	0.123298	ug/L
>	Rh	103	354347.050	354347.050		ug/L
	Ag	107	84.001	0.000	0.006440	ug/L
	Cd	111	2.276	-0.000	-0.002613	ug/L

I	Cd	114	11.322	0.000	0.000409	ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	9746.743	0.002	0.071078	ug/L
I	Cr	53	454.019	0.000	0.053038	ug/L
I	Co	59	83.001	-0.000	-0.005823	ug/L
I	Zn	66	1470.168	0.004	0.881668	ug/L
I	Zn	68	1284.194	0.003	0.886772	ug/L
I>	Ge	72	285337.413	285337.413		ug/L
I	As	75	249.806	0.000	0.001302	ug/L
I	Se	77	119.008	0.000	0.028844	ug/L
L	Se	82	13.340	0.000	0.004229	ug/L
[>	Rh	103	351338.647	351338.647		ug/L
I	Ag	107	87.001	0.000	0.005842	ug/L
I	Cd	111	-8.007	-0.000	-0.005288	ug/L
L	Cd	114	15.369	0.000	0.001264	ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	9358.218	0.000	0.015888	ug/L
I	Cr	53	497.022	0.000	0.084208	ug/L
I	Co	59	86.001	-0.000	-0.006286	ug/L
I	Zn	66	1508.174	0.004	0.912937	ug/L
I	Zn	68	1328.127	0.003	0.947979	ug/L
I>	Ge	72	288888.882	288888.882		ug/L
I	As	75	208.870	-0.000	-0.025271	ug/L
I	Se	77	108.002	-0.000	-0.030723	ug/L
L	Se	82	12.442	-0.000	-0.001317	ug/L
[>	Rh	103	358088.753	358088.753		ug/L
I	Ag	107	83.001	0.000	0.005287	ug/L
I	Cd	111	6.474	0.000	0.001367	ug/L
L	Cd	114	9.878	-0.000	-0.000884	ug/L

Sample Information

Sample ID: 0B10035-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, February 10, 2010 16:08:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\0B10035-CCV.039
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	313567.517	1.084	39.185236	0.265	0.677	ug/L
	Cr	53	37531.728	0.132	39.104263	0.282	0.721	ug/L
	Co	59	385918.786	1.373	38.830369	0.762	1.963	ug/L
	Zn	66	49541.711	0.175	38.107327	0.551	1.447	ug/L
	Zn	68	36608.952	0.129	38.949461	0.805	2.066	ug/L
>	Ge	72	281006.496	281006.496				ug/L
	As	75	64830.091	0.230	38.813331	0.427	1.100	ug/L
	Se	77	4788.653	0.017	37.565162	0.861	2.292	ug/L
	Se	82	6408.725	0.023	37.653781	1.360	3.613	ug/L
>	Rh	103	335542.994	335542.994				ug/L
	Ag	107	347695.471	1.036	39.441991	0.100	0.254	ug/L
	Cd	111	79026.214	0.236	38.071379	0.169	0.444	ug/L
	Cd	114	182262.154	0.543	37.980437	0.022	0.057	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.938
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.721
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	317879.864	1.088	39.253282	ug/L
	Cr	53	37668.544	0.131	38.821573	ug/L
	Co	59	395288.978	1.380	39.331188	ug/L
	Zn	66	49711.888	0.174	37.801878	ug/L
	Zn	68	36158.666	0.126	38.022778	ug/L
>	Ge	72	284208.634	284208.634		ug/L
	As	75	64842.788	0.227	38.378804	ug/L
	Se	77	4723.808	0.016	36.811787	ug/L
	Se	82	6279.188	0.022	36.484288	ug/L
>	Rh	103	330262.863	330262.863		ug/L
	Ag	107	342754.298	1.038	39.502881	ug/L
	Cd	111	77953.978	0.238	38.156043	ug/L

L	Cd	114	179346.570	0.543	37.970401	ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	311731.126	1.076	39.882500	ug/L
I	Cr	53	37852.408	0.133	39.385748	ug/L
I	Co	59	390141.269	1.388	39.208809	ug/L
I	Zn	66	49187.288	0.174	37.776303	ug/L
I	Zn	68	37150.732	0.131	39.472081	ug/L
I>	Ge	72	281388.588	281388.588		ug/L
I	As	75	64861.580	0.230	39.828804	ug/L
[	Se	77	4885.719	0.017	39.285727	ug/L
L	Se	82	6389.496	0.023	37.358879	ug/L
[>	Rh	103	338658.384	338658.384		ug/L
I	Ag	107	347832.198	1.033	39.328434	ug/L
I	Cd	111	78884.614	0.234	37.877032	ug/L
L	Cd	114	182988.888	0.544	38.005467	ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	311291.561	1.090	39.409828	ug/L
I	Cr	53	37054.232	0.132	39.105468	ug/L
I	Co	59	372329.114	1.342	37.953088	ug/L
I	Zn	66	49728.982	0.178	38.743800	ug/L
I	Zn	68	36518.468	0.130	39.353513	ug/L
I>	Ge	72	277418.286	277418.286		ug/L
I	As	75	64666.908	0.232	39.232386	ug/L
I	Se	77	4756.631	0.017	37.797981	ug/L
L	Se	82	6677.511	0.024	39.137087	ug/L
[>	Rh	103	339708.735	339708.735		ug/L
I	Ag	107	352499.920	1.038	39.498888	ug/L
I	Cd	111	80238.852	0.238	38.182082	ug/L
L	Cd	114	184460.904	0.543	37.986443	ug/L

h

Sample ID: 0B10035-CCV
Report Date/Time: Wednesday, February 10, 2010 16:09:59
Page 2

Sample Information

Sample ID: 0B10035-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, February 10, 2010 16:12:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\0B10035-CCB.040
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	8726.082	-0.001	-0.024234	0.024	97.754	ug/L
	Cr	53	406.016	0.000	0.015242	0.014	94.702	ug/L
	Co	59	106.335	-0.000	-0.002878	0.001	47.219	ug/L
	Zn	66	303.343	0.000	0.009548	0.025	259.956	ug/L
	Zn	68	430.017	0.000	0.016686	0.023	140.703	ug/L
>	Ge	72	276837.386	276837.386				ug/L
	As	75	223.739	-0.000	-0.009899	0.009	89.325	ug/L
	Se	77	115.002	0.000	0.056783	0.097	170.016	ug/L
	Se	82	-16.875	-0.000	-0.173591	0.066	37.996	ug/L
>	Rh	103	334444.973	334444.973				ug/L
	Ag	107	121.336	0.000	0.010247	0.002	20.255	ug/L
	Cd	111	8.985	0.000	0.002776	0.002	57.759	ug/L
	Cd	114	20.843	0.000	0.002526	0.001	31.650	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.441
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.398
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	8563.216	0.001	0.051408	ug/L
	Cr	53	412.018	0.000	0.019307	ug/L
	Co	59	103.002	0.000	0.003281	ug/L
	Zn	66	336.011	0.000	0.036282	ug/L
	Zn	68	419.019	0.000	0.002352	ug/L
>	Ge	72	276284.081	276284.081		ug/L
	As	75	208.327	0.000	0.019384	ug/L
	Se	77	102.002	0.000	0.053606	ug/L
	Se	82	28.887	0.000	0.244810	ug/L
>	Rh	103	328792.272	328792.272		ug/L
	Ag	107	140.003	0.000	0.012626	ug/L
	Cd	111	11.108	0.000	0.003887	ug/L

: 00413

L	Cd	114	22.541	0.009	0.002958	ug/L

Repeat 2

	Analyte	Mass	Mass, Intensity	Net Intensity	Concentration	Report Unit
I	Cr	52	8853.672	-0.000	-0.013377	ug/L
I	Cr	53	393.015	-0.000	-0.000788	ug/L
I	Co	59	98.002	-0.000	-0.003880	ug/L
I	Zn	66	299.009	0.000	0.006100	ug/L
I	Zn	68	467.019	0.000	0.043780	ug/L
I>	Ge	72	278211.336	278211.336		ug/L
I	As	75	227.388	-0.000	-0.008400	ug/L
I	Se	77	124.002	0.000	0.124808	ug/L
L	Se	82	-14.849	-0.000	-0.161353	ug/L
I>	Rh	103	338432.047	338432.047		ug/L
I	Ag	107	114.002	0.000	0.008315	ug/L
I	Cd	111	5.228	0.000	0.000838	ug/L
L	Cd	114	16.841	0.000	0.001603	ug/L

Repeat 3

	Analyte	Mass	Mass, Intensity	Net Intensity	Concentration	Report Unit
I	Cr	52	8781.456	-0.000	-0.007918	ug/L
I	Cr	53	413.016	0.000	0.027208	ug/L
I	Co	59	120.002	0.000	0.001383	ug/L
I	Zn	66	272.008	0.000	-0.012748	ug/L
I	Zn	68	414.018	0.000	0.003828	ug/L
I>	Ge	72	274016.732	274016.732		ug/L
I	As	75	234.504	-0.000	-0.001901	ug/L
I	Se	77	119.002	0.000	0.099138	ug/L
L	Se	82	6.880	-0.000	-0.114408	ug/L
I>	Rh	103	338110.600	338110.600		ug/L
I	Ag	107	110.002	0.000	0.008001	ug/L
I	Cd	111	10.618	0.000	0.003502	ug/L
L	Cd	114	23.446	0.000	0.003015	ug/L

Sample Information

Sample ID: 1001063-BS1
Autosampler Position: 37
Sample Date/Time: Wednesday, February 10, 2010 16:15:26
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1001063-BS1.041
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	161176.772	0.530	19.159019	0.287	1.497	ug/L
	Cr	53	18896.829	0.064	19.076552	0.253	1.327	ug/L
	Co	59	189650.846	0.661	18.694526	0.320	1.713	ug/L
	Zn	66	24878.839	0.086	18.632690	0.207	1.109	ug/L
	Zn	68	18189.648	0.062	18.729616	0.381	2.033	ug/L
>	Ge	72	286795.609	286795.609				ug/L
	As	75	31200.028	0.108	18.224620	0.314	1.723	ug/L
	Se	77	2321.067	0.008	17.375145	0.431	2.481	ug/L
	Se	82	3007.977	0.010	17.272300	0.637	3.689	ug/L
>	Rh	103	345120.033	345120.033				ug/L
	Ag	107	173452.749	0.503	19.129005	0.210	1.099	ug/L
	Cd	111	38890.098	0.113	18.218159	0.416	2.281	ug/L
	Cd	114	89202.453	0.258	18.072693	0.151	0.834	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.018
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.539
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	161883.248	0.538	19.462433	ug/L
	Cr	53	18413.888	0.064	18.604356	ug/L
	Co	59	188428.886	0.664	18.791612	ug/L
	Zn	66	24797.216	0.086	18.792282	ug/L
	Zn	68	18194.325	0.063	18.966300	ug/L
>	Ge	72	283461.481	283461.481		ug/L
	As	75	30898.304	0.108	18.260187	ug/L
	Se	77	2250.377	0.008	17.026779	ug/L
	Se	82	2921.831	0.010	16.873819	ug/L
>	Rh	103	343556.481	343556.481		ug/L
	Ag	107	170841.884	0.497	18.937184	ug/L
	Cd	111	38421.128	0.112	18.077017	ug/L

: 00415

L	Cd	114	88468.708	0.257	18.002883	ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	160829.378	0.522	18.882802	ug/L
I	Cr	53	19338.338	0.069	19.304808	ug/L
I	Co	59	186208.134	0.646	18.338888	ug/L
I	Zn	66	25288.882	0.086	18.708462	ug/L
I	Zn	68	17991.788	0.060	18.280018	ug/L
I>	Ge	72	280138.780	280138.780		ug/L
I	As	75	30897.721	0.105	17.884421	ug/L
I	Se	77	2330.409	0.008	17.238818	ug/L
L	Se	82	2857.022	0.010	16.838577	ug/L
[>	Rh	103	341011.778	341011.778		ug/L
I	Ag	107	173407.378	0.608	19.353846	ug/L
I	Cd	111	38421.188	0.116	18.888838	ug/L
L	Cd	114	88888.883	0.281	18.248708	ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	160807.787	0.529	19.122121	ug/L
I	Cr	53	19836.282	0.069	19.120488	ug/L
I	Co	59	192317.529	0.670	18.866077	ug/L
I	Zn	66	24678.438	0.086	18.388367	ug/L
I	Zn	68	16382.834	0.063	18.840837	ug/L
I>	Ge	72	288808.648	288808.648		ug/L
I	As	75	31704.068	0.110	18.618282	ug/L
I	Se	77	2382.431	0.008	17.867838	ug/L
L	Se	82	3135.078	0.011	18.004008	ug/L
[>	Rh	103	350782.888	350782.888		ug/L
I	Ag	107	178008.888	0.602	19.088218	ug/L
I	Cd	111	38827.988	0.111	17.881528	ug/L
L	Cd	114	90157.808	0.257	17.988888	ug/L

Sample Information

Sample ID: 1002038-14
Autosampler Position: 38
Sample Date/Time: Wednesday, February 10, 2010 16:18:13
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1002038-14.042
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	11549.449	0.009	0.337027	0.040	11.768	ug/L
	Cr	53	579.029	0.001	0.198061	0.048	23.992	ug/L
	Co	59	588.697	0.002	0.046218	0.005	11.434	ug/L
	Zn	66	5597.916	0.019	4.151433	0.288	6.926	ug/L
	Zn	68	4560.168	0.015	4.505462	0.174	3.866	ug/L
>	Ge	72	278416.710	278416.710				ug/L
	As	75	858.233	0.002	0.375859	0.064	17.160	ug/L
	Se	77	130.002	0.000	0.172727	0.025	14.746	ug/L
	Se	82	26.601	0.000	0.088485	0.174	197.011	ug/L
>	Rh	103	337184.012	337184.012				ug/L
	Ag	107	708.042	0.002	0.076448	0.005	6.258	ug/L
	Cd	111	93.798	0.000	0.043525	0.009	20.478	ug/L
	Cd	114	208.685	0.001	0.041472	0.002	4.496	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.008
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.204
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	11258.979	0.011	0.380322	ug/L
Cr	53	598.031	0.001	0.252508	ug/L
Co	59	614.033	0.002	0.052142	ug/L
Zn	66	5686.322	0.021	4.463881	ug/L
Zn	68	4496.480	0.018	4.705387	ug/L
Ge	72	263808.661	263808.661		ug/L
As	75	915.956	0.003	0.440318	ug/L
Se	77	123.002	0.000	0.172056	ug/L
Se	82	48.177	0.000	0.229186	ug/L
Rh	103	324446.109	324446.109		ug/L
Ag	107	723.044	0.002	0.081249	ug/L
Cd	111	102.188	0.000	0.048340	ug/L

: 00417

L	Cd	114	207.307	0.001	0.042846	ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	11568.476	0.008	0.302449	ug/L
I	Cr	53	574.029	0.001	0.176708	ug/L
I	Ce	58	562.028	0.001	0.041988	ug/L
I	Zn	66	5666.306	0.019	4.082134	ug/L
I	Zn	68	4564.804	0.015	4.386381	ug/L
I>	Ge	72	285236.469	285236.469		ug/L
I	As	75	882.348	0.002	0.375832	ug/L
I	Se	77	130.022	0.000	0.147881	ug/L
I	Se	82	5.770	-0.000	-0.108542	ug/L
[>	Rh	103	344863.469	344863.469		ug/L
I	Ag	107	662.039	0.002	0.071681	ug/L
I	Cd	111	74.340	0.000	0.033284	ug/L
L	Cd	114	203.189	0.001	0.036349	ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	11820.891	0.008	0.328312	ug/L
I	Cr	53	568.028	0.001	0.164987	ug/L
I	Ce	58	580.030	0.002	0.044826	ug/L
I	Zn	66	5436.122	0.018	3.898186	ug/L
I	Zn	68	4618.940	0.015	4.424689	ug/L
I>	Ge	72	288408.019	288408.019		ug/L
I	As	75	778.384	0.002	0.311327	ug/L
I	Se	77	137.003	0.000	0.198527	ug/L
L	Se	82	37.386	0.000	0.142841	ug/L
[>	Rh	103	342152.442	342152.442		ug/L
I	Ag	107	719.043	0.002	0.076414	ug/L
I	Cd	111	104.888	0.000	0.047873	ug/L
L	Cd	114	215.578	0.001	0.042223	ug/L

: 00418

Sample Information

Sample ID: 1001063-MS1
Autosampler Position: 39
Sample Date/Time: Wednesday, February 10, 2010 16:20:59
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1001063-MS1.043
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	173490.550	0.566	20.458635	0.463	2.265	ug/L
	Cr	53	20048.630	0.068	20.028457	0.226	1.129	ug/L
	Co	59	197489.003	0.680	19.244582	0.633	3.288	ug/L
	Zn	66	34030.887	0.116	25.275243	0.551	2.181	ug/L
	Zn	68	25565.268	0.087	26.194251	0.630	2.405	ug/L
>	Ge	72	290164.348	290164.348				ug/L
	As	75	33268.540	0.114	19.216026	0.403	2.095	ug/L
	Se	77	2317.066	0.008	17.133097	0.231	1.351	ug/L
	Se	82	2999.667	0.010	17.026774	0.516	3.028	ug/L
>	Rh	103	337853.835	337853.835				ug/L
	Ag	107	166490.773	0.493	18.759600	0.266	1.420	ug/L
	Cd	111	39492.487	0.117	18.903988	0.627	3.315	ug/L
	Cd	114	92858.071	0.275	19.230605	0.886	4.609	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	104.228
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.401
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	171749.006	0.562	19.958037	ug/L
	Cr	53	20058.324	0.067	19.798726	ug/L
	Co	59	192609.236	0.666	18.518079	ug/L
	Zn	66	33681.419	0.113	24.988623	ug/L
	Zn	68	25490.868	0.086	25.766486	ug/L
>	Ge	72	294014.981	294014.981		ug/L
	As	75	33118.033	0.113	19.073884	ug/L
	Se	77	2348.409	0.008	17.114448	ug/L
	Se	82	2942.083	0.010	16.476148	ug/L
>	Rh	103	340294.782	340294.782		ug/L
	Ag	107	166833.487	0.490	18.668052	ug/L
	Cd	111	40087.566	0.118	19.032394	ug/L

	Cd	114	90910.626	0.287	19.678826	ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	175741.416	0.677	20.872624	ug/L
	Cr	53	20074.370	0.068	20.180844	ug/L
	Co	59	196333.047	0.681	19.540880	ug/L
	Zn	66	34084.373	0.117	25.456806	ug/L
	Zn	68	25128.374	0.086	25.899486	ug/L
	Ge	72	288383.399	288383.399		ug/L
	As	75	32883.074	0.113	19.114727	ug/L
	Se	77	2274.388	0.007	16.911525	ug/L
	Se	82	2986.984	0.010	17.108537	ug/L
	Rh	103	328847.847	328847.847		ug/L
	Ag	107	184988.512	0.501	19.081561	ug/L
	Cd	111	38658.480	0.130	19.456517	ug/L
	Cd	114	86197.832	0.289	20.253018	ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	172991.225	0.569	20.548243	ug/L
	Cr	53	20013.188	0.066	20.135802	ug/L
	Co	59	200824.727	0.698	19.974778	ug/L
	Zn	66	34376.888	0.118	25.715801	ug/L
	Zn	68	26076.773	0.089	26.917886	ug/L
	Ge	72	288114.664	288114.664		ug/L
	As	75	33784.814	0.118	19.656887	ug/L
	Se	77	2331.404	0.008	17.373319	ug/L
	Se	82	3060.984	0.011	17.498538	ug/L
	Rh	103	344618.808	344618.808		ug/L
	Ag	107	188040.309	0.489	18.568186	ug/L
	Cd	111	38851.377	0.113	18.223083	ug/L
	Cd	114	92466.758	0.288	18.758978	ug/L

Sample Information

Sample ID: 1001063-MSD1
Autosampler Position: 40
Sample Date/Time: Wednesday, February 10, 2010 16:23:44
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1001063-MSD1.044
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	162798.174	0.536	19.384964	0.330	1.701	ug/L
	Cr	53	18897.495	0.065	19.101334	0.417	2.181	ug/L
	Co	59	184528.476	0.644	18.208346	0.206	1.132	ug/L
	Zn	66	30452.759	0.105	22.883889	0.334	1.458	ug/L
	Zn	68	22764.119	0.078	23.578585	0.511	2.167	ug/L
>	Ge	72	286470.478	286470.478				ug/L
	As	75	31253.492	0.108	18.275886	0.179	0.979	ug/L
	Se	77	2211.698	0.007	16.536209	0.465	2.814	ug/L
	Se	82	2881.342	0.010	16.560845	0.274	1.652	ug/L
>	Rh	103	348217.805	348217.805				ug/L
	Ag	107	160050.517	0.460	17.498069	0.357	2.038	ug/L
	Cd	111	36470.251	0.105	16.934706	0.390	2.302	ug/L
	Cd	114	84828.241	0.244	17.038608	0.440	2.580	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.901
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.450
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	160162.313	0.526	19.004280	ug/L
	Cr	53	18617.417	0.063	18.788778	ug/L
	Co	59	182688.848	0.638	17.988188	ug/L
	Zn	66	30424.983	0.106	22.808804	ug/L
	Zn	68	22263.866	0.078	22.994448	ug/L
>	Ge	72	287148.778	287148.778		ug/L
	As	75	31013.603	0.107	18.081177	ug/L
	Se	77	2150.348	0.007	16.012518	ug/L
	Se	82	2833.944	0.010	16.247758	ug/L
>	Rh	103	356391.838	356391.838		ug/L
	Ag	107	160327.870	0.450	17.121747	ug/L
	Cd	111	36347.731	0.102	16.485869	ug/L

Cd	114	84269.887	0.238	16.536548	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	163751.393	0.541	19.567884	ug/L
Cr	53	18712.886	0.084	19.988334	ug/L
Co	59	184379.082	0.645	18.246644	ug/L
Zn	66	29879.080	0.104	22.984080	ug/L
Zn	68	23039.327	0.079	23.942483	ug/L
Ge	72	265669.588	265669.588		ug/L
As	75	31481.088	0.109	18.448589	ug/L
Se	77	2251.377	0.007	16.901677	ug/L
Se	82	2908.002	0.010	16.753946	ug/L
Rh	103	348820.741	348820.741		ug/L
Ag	107	159849.417	0.461	17.541320	ug/L
Cd	111	36752.088	0.106	17.126847	ug/L
Cd	114	85440.812	0.246	17.224470	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	164480.846	0.542	19.582749	ug/L
Cr	53	19362.401	0.086	19.567889	ug/L
Co	59	186610.491	0.650	18.391327	ug/L
Zn	66	30864.236	0.107	23.248784	ug/L
Zn	68	22988.165	0.079	23.798818	ug/L
Ge	72	266668.070	266668.070		ug/L
As	75	31298.786	0.108	18.287912	ug/L
Se	77	2233.371	0.007	16.684131	ug/L
Se	82	2904.179	0.010	18.680830	ug/L
Rh	103	341451.039	341451.039		ug/L
Ag	107	158874.186	0.488	17.831141	ug/L
Cd	111	36310.984	0.106	17.169402	ug/L
Cd	114	84754.213	0.246	17.354808	ug/L

Sample ID: 1001063-MSD1
Report Date/Time: Wednesday, February 10, 2010 16:24:48

Sample Information

Sample ID: 0B10035-SRD2
Autosampler Position: 41
Sample Date/Time: Wednesday, February 10, 2010 16:26:30
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\0B10035-SRD2.045
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	9902.961	0.003	0.102314	0.030	29.805	ug/L
	Cr	53	466.353	0.000	0.069230	0.016	22.435	ug/L
	Co	59	175.671	0.000	0.003813	0.002	53.484	ug/L
	Zn	66	1359.476	0.004	0.816770	0.025	3.075	ug/L
	Zn	68	1280.794	0.003	0.916671	0.024	2.671	ug/L
>	Ge	72	282793.024	282793.024				ug/L
	As	75	374.398	0.000	0.076952	0.033	42.393	ug/L
	Se	77	125.002	0.000	0.116189	0.084	72.604	ug/L
	Se	82	12.254	-0.000	-0.002224	0.132	5943.981	ug/L
>	Rh	103	339099.043	339099.043				ug/L
	Ag	107	282.008	0.001	0.028081	0.003	10.810	ug/L
	Cd	111	23.053	0.000	0.009435	0.003	31.146	ug/L
	Cd	114	55.877	0.000	0.009691	0.001	14.905	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	101.580
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.767
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	9731.722	0.002	0.089487	ug/L
	Cr	53	453.019	0.000	0.066729	ug/L
	Co	59	167.004	0.000	0.005093	ug/L
	Zn	66	1335.139	0.004	0.805618	ug/L
	Zn	68	1256.130	0.003	0.842218	ug/L
>	Ge	72	280718.664	280718.664		ug/L
	As	75	366.668	0.001	0.086171	ug/L
	Se	77	129.002	0.000	0.156108	ug/L
	Se	82	-12.904	-0.000	-0.149105	ug/L
>	Rh	103	336788.782	336788.782		ug/L
	Ag	107	312.010	0.001	0.031476	ug/L
	Cd	111	22.618	0.000	0.008219	ug/L

Sample ID: 0B10035-SRD2
Report Date/Time: Wednesday, February 10, 2010 16:27:34

	Cd	114	53.656	0.000	0.011306	ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	9872.917	0.002	0.092353	ug/L
	Cr	53	466.020	0.000	0.081891	ug/L
	Co	59	188.004	0.000	0.004888	ug/L
	Zn	66	1358.142	0.004	0.798246	ug/L
	Zn	68	1297.131	0.003	0.814384	ug/L
I>	Ge	72	288875.223	288875.223		ug/L
	As	75	429.381	0.001	0.103873	ug/L
	Se	77	134.003	0.000	0.173179	ug/L
	Se	82	31.270	0.000	0.107178	ug/L
I>	Rh	103	335801.379	335801.379		ug/L
	Ag	107	271.008	0.001	0.027138	ug/L
	Cd	111	29.189	0.000	0.012477	ug/L
	Cd	114	53.228	0.000	0.009248	ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	10104.243	0.004	0.137132	ug/L
	Cr	53	480.021	0.000	0.087072	ug/L
	Co	59	151.003	0.000	0.001461	ug/L
	Zn	66	1397.149	0.004	0.845647	ug/L
	Zn	68	1290.122	0.003	0.893412	ug/L
I>	Ge	72	280786.186	280786.186		ug/L
	As	75	311.156	0.000	0.040712	ug/L
	Se	77	112.002	0.000	0.018251	ug/L
	Se	82	18.396	0.000	0.035256	ug/L
I>	Rh	103	342725.988	342725.988		ug/L
	Ag	107	263.007	0.001	0.025828	ug/L
	Cd	111	17.354	0.000	0.008611	ug/L
	Cd	114	50.746	0.000	0.008519	ug/L

Sample Information

Sample ID: 1001063-PS1
Autosampler Position: 42
Sample Date/Time: Wednesday, February 10, 2010 16:29:16
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1001063-PS1.046
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	172427.255	0.565	20.440019	0.364	1.781	ug/L
	Cr	53	19706.344	0.067	19.787015	0.244	1.232	ug/L
	Co	59	196452.001	0.680	19.243869	0.454	2.360	ug/L
	Zn	66	30014.232	0.103	22.384503	0.405	1.810	ug/L
	Zn	68	22012.758	0.075	22.613524	0.382	1.689	ug/L
>	Ge	72	288609.225	288609.225				ug/L
	As	75	32900.293	0.113	19.103365	0.235	1.229	ug/L
	Se	77	2381.754	0.008	17.736369	0.164	0.926	ug/L
	Se	82	3050.661	0.011	17.407940	0.296	1.698	ug/L
>	Rh	103	344453.370	344453.370				ug/L
	Ag	107	173667.335	0.504	19.189554	0.210	1.096	ug/L
	Cd	111	39316.100	0.114	18.449192	0.253	1.372	ug/L
	Cd	114	92234.580	0.268	18.721392	0.174	0.927	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.669
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.343
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	171626.106	0.558	20.188179	ug/L
	Cr	53	19647.180	0.066	19.563152	ug/L
	Co	59	193538.873	0.666	18.803807	ug/L
	Zn	66	29661.714	0.101	21.929883	ug/L
	Zn	68	21875.886	0.074	22.284275	ug/L
>	Ge	72	290861.256	290861.256		ug/L
	As	75	32770.138	0.112	18.872083	ug/L
	Se	77	2377.419	0.008	17.562123	ug/L
	Se	82	3040.938	0.010	17.211401	ug/L
>	Rh	103	342122.038	342122.038		ug/L
	Ag	107	174217.751	0.509	19.380894	ug/L
	Cd	111	38554.398	0.113	18.215733	ug/L

Sample ID: 1001063-PS1
Report Date/Time: Wednesday, February 10, 2010 16:30:19

[illegible]	Cd	114	90831.232	0.288	18.521947	ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
[illegible]	Cr	52	170899.758	0.561	20.301914	ug/L
[illegible]	Cr	53	19821.108	0.067	19.751101	ug/L
[illegible]	Co	59	195888.308	0.679	19.217170	ug/L
[illegible]	Zn	66	30114.649	0.104	22.617453	ug/L
[illegible]	Zn	68	22368.181	0.078	23.032366	ug/L
[illegible]>	Ge	72	287667.583	287667.583		ug/L
[illegible]	As	75	33222.013	0.115	19.341527	ug/L
[illegible]	Se	77	2382.421	0.008	17.789419	ug/L
[illegible]	Se	82	3101.988	0.011	17.747843	ug/L
[illegible]>	Rh	103	345376.197	345376.197		ug/L
[illegible]	Ag	107	172086.186	0.498	19.984407	ug/L
[illegible]	Cd	111	39984.929	0.139	18.718340	ug/L
[illegible]	Cd	114	93067.731	0.269	18.838886	ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
[illegible]	Cr	52	174766.906	0.577	20.852883	ug/L
[illegible]	Cr	53	19860.744	0.066	20.046783	ug/L
[illegible]	Co	59	200127.821	0.697	19.710628	ug/L
[illegible]	Zn	66	30278.332	0.104	22.708403	ug/L
[illegible]	Zn	68	21807.457	0.074	22.523831	ug/L
[illegible]>	Ge	72	287018.824	287018.824		ug/L
[illegible]	As	75	32708.726	0.113	19.095804	ug/L
[illegible]	Se	77	2388.422	0.008	17.887586	ug/L
[illegible]	Se	82	3038.049	0.010	17.264477	ug/L
[illegible]>	Rh	103	345861.876	345861.876		ug/L
[illegible]	Ag	107	174888.068	0.508	19.223280	ug/L
[illegible]	Cd	111	39368.978	0.114	18.413604	ug/L
[illegible]	Cd	114	93014.778	0.269	18.803644	ug/L

Sample Information

Sample ID: 1002038-15
Autosampler Position: 43
Sample Date/Time: Wednesday, February 10, 2010 16:32:01
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1002038-15.047
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	10593.290	0.004	0.155296	0.025	15.896	ug/L
	Cr	53	522.358	0.000	0.113610	0.032	28.273	ug/L
	Co	59	186.004	0.000	0.004368	0.001	25.124	ug/L
	Zn	66	1314.801	0.003	0.756085	0.045	5.944	ug/L
	Zn	68	1175.775	0.003	0.771687	0.005	0.677	ug/L
>	Ge	72	290330.865	290330.865				ug/L
	As	75	397.052	0.001	0.084554	0.020	23.583	ug/L
	Se	77	120.669	0.000	0.056937	0.088	155.094	ug/L
	Se	82	6.694	-0.000	-0.034779	0.053	152.219	ug/L
>	Rh	103	349713.483	349713.483				ug/L
	Ag	107	223.006	0.001	0.020705	0.004	18.134	ug/L
	Cd	111	5.572	0.000	0.000982	0.002	157.668	ug/L
	Cd	114	25.794	0.000	0.003335	0.001	37.760	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	104.288
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.890
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	10674.078	0.006	0.173333	ug/L
	Cr	53	534.025	0.000	0.128782	ug/L
	Co	59	172.004	0.000	0.003108	ug/L
	Zn	66	1305.132	0.003	0.754702	ug/L
	Zn	68	1164.108	0.003	0.766858	ug/L
>	Ge	72	288581.338	288581.338		ug/L
	As	75	422.349	0.001	0.100827	ug/L
	Se	77	113.002	0.000	0.002758	ug/L
	Se	82	17.283	0.000	0.026011	ug/L
>	Rh	103	348864.478	348864.478		ug/L
	Ag	107	261.007	0.001	0.024816	ug/L
	Cd	111	4.707	0.000	0.000801	ug/L

00427

L	Cd	114	30 661	0 000	0 004892	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
f	Cr	52	10388 649	0 004	0.127163	ug/L
I	Cr	53	467 021	0 009	0 078718	ug/L
i	Co	59	194 006	0 000	0 005118	ug/L
)	Zn	66	1378.147	0 004	0 801708	ug/L
I	Zn	68	1177 109	0 003	0 770874	ug/L
I>	Ge	72	290833 609	290833 609		ug/L
i	As	75	356 481	0 000	0 062310	ug/L
I	Se	77	134 003	0 000	0 156837	ug/L
L	Se	82	0 410	-0 000	0 070756	ug/L
f>	Rh	103	358431 011	358431 011		ug/L
I	Ag	107	197 006	0 000	0 017488	ug/L
I	Cd	111	9 391	0 000	0 002688	ug/L
L	Cd	114	19 079	0 000	0 001935	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
f	Cr	52	10720.148	0 006	0.168384	ug/L
I	Cr	53	548.028	0 000	0.135352	ug/L
I	Co	59	192 006	0 000	0 004677	ug/L
I	Zn	66	1261.124	0 003	0.711648	ug/L
I	Zn	68	1186.110	0 003	0.777229	ug/L
I>	Ge	72	291567 651	291567 651		ug/L
I	As	75	408 116	0 001	0 090534	ug/L
I	Se	77	115 002	0 000	0 008218	ug/L
L	Se	82	2 379	0 000	-0 069884	ug/L
f>	Rh	103	342864 661	342864 661		ug/L
I	Ag	107	211 006	0 001	0 018844	ug/L
I	Cd	111	2 618	0 000	0 000340	ug/L
L	Cd	114	27 661	0 000	0 003805	ug/L

00428

Sample Information

Sample ID: 1002038-16
Autosampler Position: 44
Sample Date/Time: Wednesday, February 10, 2010 16:34:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1002038-16.048
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	10783.242	0.005	0.196935	0.021	10.799	ug/L
	Cr	53	591.364	0.001	0.191853	0.025	13.181	ug/L
	Co	59	419.016	0.001	0.027623	0.002	6.764	ug/L
	Zn	66	1803.246	0.005	1.139659	0.041	3.636	ug/L
	Zn	68	1832.253	0.005	1.480901	0.061	4.147	ug/L
>	Ge	72	286505.700	286505.700				ug/L
	As	75	2099.672	0.006	1.091188	0.027	2.511	ug/L
	Se	77	135.669	0.000	0.187075	0.135	72.381	ug/L
	Se	82	0.537	-0.000	-0.070138	0.045	64.678	ug/L
>	Rh	103	351671.730	351671.730				ug/L
	Ag	107	173.337	0.000	0.015182	0.001	4.866	ug/L
	Cd	111	27.381	0.000	0.010996	0.004	40.895	ug/L
	Cd	114	38.753	0.000	0.005865	0.002	32.083	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.914
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	103.466
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	10839.326	0.006	0.218086	ug/L
	Cr	53	562.026	0.001	0.166830	ug/L
	Co	59	423.017	0.001	0.028387	ug/L
	Zn	66	1726.228	0.005	1.093068	ug/L
	Zn	68	1786.244	0.005	1.456780	ug/L
>	Ge	72	283680.918	283680.918		ug/L
	As	75	2130.087	0.007	1.120187	ug/L
	Se	77	117.002	0.000	0.048874	ug/L
	Se	82	5.884	0.000	-0.107237	ug/L
>	Rh	103	353232.626	353232.626		ug/L
	Ag	107	171.004	0.000	0.014845	ug/L
	Cd	111	37.980	0.000	0.015798	ug/L

: 00429

L	Cd	114	40 617	0 000	0 006188	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	10868.048	0 006	0.174047	ug/L
I	Cr	53	619 033	0 001	0 217388	ug/L
I	Co	59	435 016	0 001	0 028888	ug/L
I	Zn	66	1858.288	0 006	1.172408	ug/L
I	Zn	68	1799 244	0 006	1 433834	ug/L
[>	Ge	72	287823.158	287823.158		ug/L
I	As	75	2104 333	0 006	1 087705	ug/L
I	Se	77	137 003	0 000	0 192948	ug/L
L	Se	82	1 833	-0 000	-0 083814	ug/L
[>	Rh	103	348373.788	348373.788		ug/L
I	Ag	107	180.004	0 000	0 016029	ug/L
I	Cd	111	18 279	0 000	0 006863	ug/L
L	Cd	114	28 388	0 000	0 003843	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	10856.381	0 006	0 200679	ug/L
I	Cr	53	583 031	0 001	0 191332	ug/L
I	Co	59	398 015	0 001	0 026484	ug/L
I	Zn	66	1828 252	0 006	1.153003	ug/L
I	Zn	68	1905.273	0 006	1 580308	ug/L
[>	Ge	72	287813 029	287813 029		ug/L
I	As	75	2084 587	0 006	1 086702	ug/L
I	Se	77	153 003	0 000	0 319801	ug/L
L	Se	82	9 308	-0 000	-0 019583	ug/L
[>	Rh	103	352408.874	352408 874		ug/L
I	Ag	107	188 004	0 000	0 014672	ug/L
I	Cd	111	28 903	0 000	0 010308	ug/L
L	Cd	114	47 373	0 000	0 007588	ug/L

Sample Information

Sample ID: 1002038-17
Autosampler Position: 45
Sample Date/Time: Wednesday, February 10, 2010 16:37:33
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1002038-17.049
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	10635.019	0.005	0.169967	0.038	22.103	ug/L
	Cr	53	575.696	0.001	0.172127	0.014	8.279	ug/L
	Co	59	390.348	0.001	0.024515	0.003	12.501	ug/L
	Zn	66	2182.355	0.007	1.417370	0.041	2.916	ug/L
	Zn	68	1987.963	0.005	1.631564	0.037	2.249	ug/L
>	Ge	72	288344.583	288344.583				ug/L
	As	75	2636.819	0.008	1.398127	0.055	3.960	ug/L
	Se	77	119.336	0.000	0.054081	0.131	241.982	ug/L
	Se	82	27.333	0.000	0.084602	0.088	103.872	ug/L
>	Rh	103	347946.507	347946.507				ug/L
	Ag	107	116.002	0.000	0.009120	0.004	40.573	ug/L
	Cd	111	21.947	0.000	0.008649	0.005	63.582	ug/L
	Cd	114	26.591	0.000	0.003505	0.001	29.419	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.574
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.370
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	10518.848	0.004	0.132170	ug/L
	Cr	53	570.028	0.001	0.156049	ug/L
	Co	59	433.017	0.001	0.027994	ug/L
	Zn	66	2179.384	0.006	1.386288	ug/L
	Zn	68	2080.318	0.006	1.670417	ug/L
>	Ge	72	293425.471	293425.471		ug/L
	As	75	2588.925	0.008	1.343430	ug/L
	Se	77	104.002	-0.000	-0.080988	ug/L
	Se	82	10.289	-0.000	-0.015208	ug/L
>	Rh	103	350802.317	350802.317		ug/L
	Ag	107	93.002	0.000	0.006508	ug/L
	Cd	111	8.506	0.000	0.002346	ug/L

: 00431

	Cd	114	32 078	0 000	0 004980	ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	10584 988	0 008	0 170427	ug/L
Cr	53	584 030	0 001	0 183188	ug/L
Co	59	366 013	0 001	0 022217	ug/L
Zn	66	2152 348	0 008	1 401647	ug/L
Zn	68	1974 293	0 008	1 628781	ug/L
Ge	72	287076 057	287076 057		ug/L
As	75	2721 114	0 008	1 484134	ug/L
Se	77	136 003	0 000	0 180288	ug/L
Se	82	33 288	0 000	0 118584	ug/L
Rh	103	348838 247	348838 247		ug/L
Ag	107	101 002	0 000	0 007488	ug/L
Cd	111	27 287	0 000	0 011140	ug/L
Cd	114	26 242	0 000	0 003484	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	10791 253	0 008	0 207303	ug/L
Cr	53	573 029	0 001	0 177137	ug/L
Co	59	373 013	0 001	0 023334	ug/L
Zn	66	2215 388	0 007	1 484277	ug/L
Zn	68	1929 280	0 008	1 587514	ug/L
Ge	72	284532 222	284532 222		ug/L
As	75	2600 419	0 008	1 398817	ug/L
Se	77	116 002	0 000	0 062830	ug/L
Se	82	38 443	0 000	0 150360	ug/L
Rh	103	348088 958	348088 958		ug/L
Ag	107	154 003	0 000	0 013356	ug/L
Cd	111	30 048	0 000	0 012461	ug/L
Cd	114	21 453	0 000	0 002488	ug/L

Sample Information

Sample ID: 1002038-18
Autosampler Position: 46
Sample Date/Time: Wednesday, February 10, 2010 16:40:20
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1002038-18.050
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	10578.601	0.004	0.146242	0.012	8.332	ug/L
	Cr	53	625.367	0.001	0.215094	0.024	11.202	ug/L
	Co	59	311.343	0.001	0.016418	0.001	5.860	ug/L
	Zn	66	2396.092	0.007	1.556029	0.010	0.644	ug/L
	Zn	68	2091.660	0.006	1.713824	0.020	1.139	ug/L
>	Ge	72	291921.343	291921.343				ug/L
	As	75	977.976	0.002	0.419279	0.051	12.081	ug/L
	Se	77	121.336	0.000	0.057010	0.185	323.801	ug/L
	Se	82	13.897	0.000	0.005681	0.132	2317.442	ug/L
>	Rh	103	354036.153	354036.153				ug/L
	Ag	107	78.335	0.000	0.004838	0.000	5.267	ug/L
	Cd	111	12.625	0.000	0.004211	0.005	125.312	ug/L
	Cd	114	20.441	0.000	0.002205	0.000	14.090	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	104.859
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	104.162
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	10468.771	0.004	0.134808	ug/L
	Cr	53	608.032	0.001	0.188466	ug/L
	Co	59	308.010	0.001	0.015850	ug/L
	Zn	66	2387.423	0.007	1.552287	ug/L
	Zn	68	2088.328	0.006	1.711571	ug/L
>	Ge	72	291480.188	291480.188		ug/L
	As	75	975.770	0.002	0.418881	ug/L
	Se	77	107.002	0.000	0.052431	ug/L
	Se	82	25.247	0.000	0.070153	ug/L
>	Rh	103	351080.048	351080.048		ug/L
	Ag	107	80.001	0.000	0.004850	ug/L
	Cd	111	9.728	0.000	0.002781	ug/L

I	Cd	114	19 938	0 000	0 001945	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
I	Cr	52	10679 851	0 004	0 145302	ug/L
I	Cr	53	655 038	0 001	0 242737	ug/L
I	Co	59	329 011	0 001	0 017578	ug/L
I	Zn	66	2387 423	0 007	1 549432	ug/L
I	Zn	68	2079 322	0 006	1 666619	ug/L
I>	Ge	72	282109 119	282109 119		ug/L
I	As	75	891 333	0 003	0 388834	ug/L
I	Se	77	149 033	0 000	0 270139	ug/L
I	Se	82	-12 841	-0 005	-0 145788	ug/L
I>	Rh	103	361276 876	361218 876		ug/L
I	Ag	107	80 001	0 000	0 000697	ug/L
I	Cd	111	2 875	-0 000	-0 003203	ug/L
I	Cd	114	22 013	0 000	0 002546	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
I	Cr	52	10880 100	0 004	0 156815	ug/L
I	Cr	53	816 033	0 001	0 304089	ug/L
I	Co	59	308 010	0 001	0 016678	ug/L
I	Zn	66	2413 432	0 007	1 567388	ug/L
I	Zn	68	2113 334	0 006	1 734380	ug/L
I>	Ge	72	282174 723	282174 723		ug/L
I	As	75	1088 828	0 003	0 470141	ug/L
I	Se	77	156 062	-0 000	-0 048879	ug/L
I	Se	82	29 388	0 000	0 059878	ug/L
I>	Rh	103	348811 443	348811 443		ug/L
I	Ag	107	75 051	0 000	0 004578	ug/L
I	Cd	111	25 167	0 000	0 010068	ug/L
I	Cd	114	19 808	0 000	0 002126	ug/L

Sample Information

Sample ID: 0B10035-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, February 10, 2010 16:43:06
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\0B10035-CCV.051
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	315814.282	1.094	39.552548	0.927	2.343	ug/L
	Cr	53	37913.737	0.134	39.582592	0.722	1.824	ug/L
	Co	59	392337.139	1.398	39.560083	0.973	2.460	ug/L
	Zn	66	50788.769	0.180	39.143078	0.614	1.569	ug/L
	Zn	68	36647.138	0.129	39.059511	0.492	1.259	ug/L
>	Ge	72	280524.109	280524.109				ug/L
	As	75	65208.969	0.232	39.116075	0.893	2.282	ug/L
	Se	77	4861.703	0.017	38.220638	0.679	1.776	ug/L
	Se	82	6503.863	0.023	38.288888	1.700	4.440	ug/L
>	Rh	103	340907.253	340907.253				ug/L
	Ag	107	350337.858	1.028	39.119539	0.678	1.734	ug/L
	Cd	111	79008.935	0.232	37.467852	0.869	2.320	ug/L
	Cd	114	183581.721	0.539	37.656324	0.569	1.510	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.765
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.299
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	318871.238	1.084	39.212874	ug/L
	Cr	53	37818.212	0.131	38.787138	ug/L
	Co	59	395628.718	1.389	39.188757	ug/L
	Zn	66	50818.629	0.177	39.463084	ug/L
	Zn	68	36880.230	0.128	39.582820	ug/L
>	Ge	72	285667.972	285667.972		ug/L
	As	75	65010.141	0.227	38.286481	ug/L
	Se	77	4851.668	0.017	37.448187	ug/L
	Se	82	6407.287	0.022	37.033339	ug/L
>	Rh	103	343883.381	343883.381		ug/L
	Ag	107	346333.949	1.008	38.356874	ug/L
	Cd	111	77533.614	0.228	36.467337	ug/L

: 00435

L	Cd	114	182003.288	0.530	37.028148	ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	310839.494	1.074	39.843863	ug/L
I	Cr	53	38222.378	0.135	39.840843	ug/L
I	Co	59	385882.499	1.373	39.843432	ug/L
I	Zn	66	51088.547	0.181	39.308898	ug/L
I	Zn	68	36880.308	0.129	39.031311	ug/L
I>	Ge	72	280834.914	280834.914		ug/L
I	As	75	65108.626	0.231	39.985882	ug/L
I	Se	77	4830.751	0.017	39.711674	ug/L
L	Se	82	6401.469	0.023	37.609711	ug/L
[>	Rh	103	340478.108	340478.108		ug/L
I	Ag	107	351867.108	1.034	39.346730	ug/L
I	Cd	111	80113.242	0.235	39.035888	ug/L
L	Cd	114	184088.317	0.541	37.808182	ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	317732.113	1.123	40.801208	ug/L
I	Cr	53	37703.824	0.136	40.139787	ug/L
I	Co	59	395862.200	1.438	40.868080	ug/L
I	Zn	66	50483.133	0.182	38.687521	ug/L
I	Zn	68	36400.879	0.131	39.584802	ug/L
I>	Ge	72	275078.442	275078.442		ug/L
I	As	75	65610.241	0.237	40.089782	ug/L
I	Se	77	4802.662	0.017	38.504084	ug/L
L	Se	82	6702.833	0.024	40.223813	ug/L
[>	Rh	103	338562.281	338562.281		ug/L
I	Ag	107	352722.517	1.042	39.655222	ug/L
I	Cd	111	79379.981	0.234	37.900664	ug/L
L	Cd	114	184683.558	0.545	38.136842	ug/L

Sample Information

Sample ID: 0B10035-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, February 10, 2010 16:46:20
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\0B10035-CCB.052
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	8856.910	-0.001	-0.022751	0.011	49.711	ug/L
	Cr	53	416.350	0.000	0.020438	0.036	178.238	ug/L
	Co	59	109.002	-0.000	-0.002764	0.001	33.721	ug/L
	Zn	66	288.342	-0.000	-0.005072	0.013	255.022	ug/L
	Zn	68	446.352	0.000	0.027967	0.013	45.901	ug/L
>	Ge	72	280609.896	280609.896				ug/L
	As	75	200.301	-0.000	-0.025657	0.038	148.927	ug/L
	Se	77	122.002	0.000	0.100731	0.071	70.654	ug/L
	Se	82	-8.765	-0.000	-0.124315	0.061	49.242	ug/L
>	Rh	103	342249.539	342249.539				ug/L
	Ag	107	132.669	0.000	0.011186	0.003	24.073	ug/L
	Cd	111	4.605	0.000	0.000615	0.001	240.427	ug/L
	Cd	114	18.798	0.000	0.002030	0.002	112.530	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.796
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.694
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	8829.542	-0.001	-0.036243	ug/L
	Cr	53	421.017	0.000	0.021681	ug/L
	Co	59	115.002	-0.000	-0.001646	ug/L
	Zn	66	281.008	-0.000	-0.012586	ug/L
	Zn	68	450.019	0.000	0.028181	ug/L
>	Ge	72	282830.588	282830.588		ug/L
	As	75	196.181	-0.000	-0.029284	ug/L
	Se	77	115.002	0.000	0.038702	ug/L
	Se	82	-14.857	0.000	-0.159987	ug/L
>	Rh	103	337984.852	337984.852		ug/L
	Ag	107	158.003	0.000	0.014312	ug/L
	Cd	111	5.556	0.000	0.001084	ug/L

: 00437

L	Cd	114	27 585	0 000	0 003868	ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	6772 471	-0 001	0 019808	ug/L
I	Cr	53	446 018	0 000	0 056230	ug/L
I	Co	59	108 002	-0 000	0 002731	ug/L
I	Zn	66	304 010	0 000	0 009884	ug/L
I	Zn	68	429 017	0 000	0 015024	ug/L
I >	Ge	72	277211 581	277211 581		ug/L
I	As	75	263 733	0 000	0 014237	ug/L
I	Se	77	130 002	0 000	0 177360	ug/L
I	Se	82	3 261	-0 000	-0 063831	ug/L
[>	Rh	103	348338 828	348338 828		ug/L
I	Ag	107	127 002	0 000	0 010295	ug/L
I	Cd	111	1 148	-0 000	-0 001041	ug/L
L	Cd	114	6 513	-0 000	-0 000527	ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	8686 717	-0 000	-0 013208	ug/L
I	Cr	53	383 014	-0 000	-0 016868	ug/L
I	Co	59	100 002	0 000	0 003713	ug/L
I	Zn	66	260 008	-0 000	-0 012527	ug/L
I	Zn	68	480 019	0 000	0 040886	ug/L
I >	Ge	72	281787 641	281787 641		ug/L
I	As	75	140 988	-0 000	-0 061924	ug/L
I	Se	77	121 002	0 000	0 088131	ug/L
L	Se	82	-14 700	-0 000	0 158358	ug/L
[>	Rh	103	340426 839	340426 839		ug/L
I	Ag	107	113 002	0 000	0 009052	ug/L
I	Cd	111	7 108	0 000	0 001801	ug/L
L	Cd	114	22 312	0 000	0 002748	ug/L

Sample Information

Sample ID: 1002038-19
Autosampler Position: 47
Sample Date/Time: Wednesday, February 10, 2010 16:49:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1002038-19.053
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	12056.287	0.010	0.345449	0.014	4.179	ug/L
	Cr	53	752.380	0.001	0.352102	0.008	2.407	ug/L
	Co	59	801.386	0.002	0.064754	0.003	5.061	ug/L
	Zn	66	3202.083	0.010	2.182351	0.070	3.213	ug/L
	Zn	68	2703.539	0.008	2.377564	0.058	2.455	ug/L
>	Ge	72	288808.446	288808.446				ug/L
	As	75	852.302	0.002	0.351571	0.079	22.591	ug/L
	Se	77	119.002	0.000	0.049239	0.102	206.864	ug/L
	Se	82	-5.099	-0.000	-0.102808	0.169	164.147	ug/L
>	Rh	103	348896.545	348896.545				ug/L
	Ag	107	152.003	0.000	0.013008	0.002	16.887	ug/L
	Cd	111	20.837	0.000	0.008075	0.002	28.079	ug/L
	Cd	114	26.852	0.000	0.003544	0.001	34.582	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.741
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.650
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	17025.234	0.009	0.328780	ug/L
	Cr	53	750.047	0.001	0.343200	ug/L
	Co	59	773.080	0.002	0.061329	ug/L
	Zn	66	3186.743	0.010	2.150252	ug/L
	Zn	68	2789.573	0.008	2.443321	ug/L
>	Ge	72	291265.886	291265.886		ug/L
	As	75	1013.148	0.003	0.440847	ug/L
	Se	77	120.002	0.000	0.048884	ug/L
	Se	82	25.288	0.000	0.070481	ug/L
>	Rh	103	346031.819	346031.819		ug/L
	Ag	107	169.004	0.000	0.015008	ug/L
	Cd	111	17.542	0.000	0.008621	ug/L

L	Cd	114	22 734	0 000	0 002758	ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	12018 222	0 010	0 353247	ug/L
I	Cr	53	747 047	0 001	0 353038	ug/L
I	Co	59	798 063	0 002	0 065073	ug/L
I	Zn	66	3281 787	0 010	2 263788	ug/L
I	Zn	68	2637 813	0 008	2 331930	ug/L
I>	Ge	72	286403 857	286403 857		ug/L
I	As	75	799 056	0 002	0 324684	ug/L
I	Se	77	131 003	0 000	0 161283	ug/L
L	Se	82	-8 788	-0 000	-0 112271	ug/L
[>	Rh	103	350480 088	350480 088		ug/L
I	Ag	107	156 003	0 000	0 013380	ug/L
I	Cd	111	18 408	0 000	0 008818	ug/L
L	Cd	114	34 094	0 000	0 004668	ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	12129 404	0 010	0 364310	ug/L
I	Cr	53	760 048	0 001	0 360078	ug/L
I	Co	59	833 067	0 002	0 067880	ug/L
I	Zn	66	3137 720	0 010	2 134017	ug/L
I	Zn	68	2683 831	0 008	2 357440	ug/L
I>	Ge	72	288756 787	288756 787		ug/L
I	As	75	744 703	0 002	0 289073	ug/L
I	Se	77	108 002	-0 000	-0 063431	ug/L
L	Se	82	-33 798	0 000	-0 266636	ug/L
[>	Rh	103	350177 757	350177 757		ug/L
I	Ag	107	131 003	0 000	0 010887	ug/L
I	Cd	111	28 561	0 000	0 010887	ug/L
L	Cd	114	23 788	0 000	0 002918	ug/L

: 00440

Sample Information

Sample ID: 1002038-20
Autosampler Position: 48
Sample Date/Time: Wednesday, February 10, 2010 16:52:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1002038-20.054
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	11263.988	0.007	0.254657	0.021	8.221	ug/L
	Cr	53	662.037	0.001	0.263591	0.013	4.837	ug/L
	Co	59	468.353	0.001	0.032398	0.002	6.201	ug/L
	Zn	66	1702.220	0.005	1.060653	0.042	3.923	ug/L
	Zn	68	1566.521	0.004	1.197310	0.068	5.661	ug/L
>	Ge	72	287083.382	287083.382				ug/L
	As	75	622.525	0.001	0.219688	0.044	19.870	ug/L
	Se	77	114.002	0.000	0.015220	0.089	582.620	ug/L
	Se	82	4.631	-0.000	-0.046451	0.164	352.215	ug/L
>	Rh	103	351471.948	351471.948				ug/L
	Ag	107	79.335	0.000	0.005001	0.001	22.749	ug/L
	Cd	111	4.918	0.000	0.000693	0.002	235.041	ug/L
	Cd	114	15.389	0.000	0.001224	0.001	46.091	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.121
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	103.408
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	11458.299	0.008	0.278787	ug/L
	Cr	53	648.038	0.001	0.248638	ug/L
	Co	59	482.022	0.001	0.034718	ug/L
	Zn	66	1752.232	0.006	1.088046	ug/L
	Zn	68	1578.180	0.004	1.208916	ug/L
>	Ge	72	287178.988	287178.988		ug/L
	As	75	663.886	0.002	0.251662	ug/L
	Se	77	127.002	0.000	0.117084	ug/L
	Se	82	37.411	0.000	0.142363	ug/L
>	Rh	103	353864.508	353864.508		ug/L
	Ag	107	89.001	0.000	0.005681	ug/L
	Cd	111	0.882	-0.000	-0.001187	ug/L

: 00441

	Cd	114	14.788	0.000	0.001080	ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	11192.875	0.007	0.241330	ug/L
	Cr	53	670.038	0.001	0.269881	ug/L
	Co	59	456.019	0.001	0.031338	ug/L
	Zn	66	1646.207	0.008	1.015625	ug/L
	Zn	68	1502.173	0.004	1.124478	ug/L
I >	Ge	72	287876.238	287876.238		ug/L
	As	75	629.816	0.001	0.222887	ug/L
	Se	77	109.002	-0.000	-0.029888	ug/L
	Se	82	10.816	-0.000	-0.135183	ug/L
I >	Rh	103	353174.032	353174.032		ug/L
	Ag	107	82.001	0.000	0.006256	ug/L
	Cd	111	7.505	0.000	0.001881	ug/L
	Cd	114	18.580	0.000	0.001844	ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	11139.781	0.007	0.243863	ug/L
	Cr	53	668.038	0.001	0.272148	ug/L
	Co	59	454.019	0.001	0.031140	ug/L
	Zn	66	1708.221	0.008	1.068087	ug/L
	Zn	68	1619.200	0.004	1.258538	ug/L
I >	Ge	72	288086.813	288086.813		ug/L
	As	75	543.785	0.001	0.174526	ug/L
	Se	77	109.002	-0.000	0.044736	ug/L
	Se	82	-12.709	-0.000	-0.146843	ug/L
I >	Rh	103	347387.306	347387.306		ug/L
	Ag	107	67.001	0.000	0.003758	ug/L
	Cd	111	6.356	0.000	0.001383	ug/L
	Cd	114	12.789	0.000	0.000749	ug/L

Sample Information

Sample ID: 1002038-21
Autosampler Position: 49
Sample Date/Time: Wednesday, February 10, 2010 16:55:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1002038-21.055
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	17143.386	0.027	0.973675	0.033	3.387	ug/L
	Cr	53	1431.491	0.004	1.042089	0.031	3.017	ug/L
	Co	59	1079.092	0.003	0.091540	0.006	6.073	ug/L
	Zn	66	5214.956	0.017	3.682027	0.121	3.290	ug/L
	Zn	68	4123.231	0.013	3.846928	0.063	1.648	ug/L
>	Ge	72	290013.351	290013.351				ug/L
	As	75	1030.282	0.003	0.453719	0.027	6.039	ug/L
	Se	77	131.003	0.000	0.138206	0.128	92.798	ug/L
	Se	82	-6.429	-0.000	-0.109696	0.141	128.285	ug/L
>	Rh	103	350625.763	350625.763				ug/L
	Ag	107	89.335	0.000	0.006114	0.000	5.727	ug/L
	Cd	111	22.183	0.000	0.008649	0.002	18.166	ug/L
	Cd	114	50.519	0.000	0.008242	0.001	16.116	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	104.174
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	103.159
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	17078.584	0.028	0.984007	ug/L
Cr	53	1424.156	0.003	1.026809	ug/L
Co	59	1024.084	0.003	0.085611	ug/L
Zn	66	5091.868	0.016	3.589580	ug/L
Zn	68	4082.207	0.013	3.781179	ug/L
Ge	72	291567.238	291567.238		ug/L
As	75	1029.337	0.003	0.449736	ug/L
Se	77	115.002	0.000	0.009248	ug/L
Se	82	-33.844	-0.000	-0.265620	ug/L
Rh	103	348697.175	348697.175		ug/L
Ag	107	86.001	0.000	0.005807	ug/L
Cd	111	20.158	0.000	0.007772	ug/L

: 00443

L	Cd	114	54.531	0.000	0.008104	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
I	Cr	52	17164.731	0.028	1.011745	ug/L
I	Cr	53	1443.160	0.004	1.078288	ug/L
I	Co	59	1113.088	0.003	0.098834	ug/L
I	Zn	66	5288.017	0.018	3.809838	ug/L
I	Zn	68	4113.226	0.013	3.807636	ug/L
I>	Ga	72	295283.146	295283.146		ug/L
I	As	75	1093.088	0.003	0.482884	ug/L
I	Se	77	129.002	0.000	0.138828	ug/L
L	Se	82	0.300	-0.000	-0.071346	ug/L
I>	Rh	103	351230.616	351230.616		ug/L
I	Ag	107	93.002	0.000	0.008498	ug/L
I	Cd	111	20.178	0.000	0.007713	ug/L
L	Cd	114	42.931	0.000	0.008712	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
I	Cr	52	17186.824	0.028	0.988276	ug/L
I	Cr	53	1427.167	0.003	1.021383	ug/L
I	Co	59	1100.088	0.003	0.092377	ug/L
I	Zn	66	5254.988	0.017	3.867872	ug/L
I	Zn	68	4174.281	0.013	3.851988	ug/L
I>	Ga	72	293229.988	293229.988		ug/L
I	As	75	988.412	0.003	0.428627	ug/L
I	Se	77	149.003	0.000	0.288743	ug/L
L	Se	82	14.368	0.000	0.007877	ug/L
I>	Rh	103	352049.487	352049.487		ug/L
I	Ag	107	98.001	0.000	0.008040	ug/L
I	Cd	111	26.219	0.000	0.010463	ug/L
L	Cd	114	54.088	0.000	0.008810	ug/L

Sample Information

Sample ID: 1002038-22
Autosampler Position: 50
Sample Date/Time: Wednesday, February 10, 2010 16:57:57
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1002038-22.056
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	13177.611	0.013	0.484136	0.047	9.619	ug/L
	Cr	53	904.733	0.002	0.506902	0.018	3.592	ug/L
	Co	59	1001.414	0.003	0.084252	0.005	5.793	ug/L
	Zn	66	3057.352	0.010	2.070779	0.073	3.513	ug/L
	Zn	68	2598.165	0.007	2.265034	0.092	4.077	ug/L
>	Ge	72	289164.593	289164.593				ug/L
	As	75	839.215	0.002	0.343601	0.016	4.522	ug/L
	Se	77	139.669	0.000	0.209294	0.029	13.901	ug/L
	Se	82	8.965	-0.000	-0.022371	0.078	349.160	ug/L
>	Rh	103	351905.865	351905.865				ug/L
	Ag	107	160.337	0.000	0.013759	0.000	2.557	ug/L
	Cd	111	26.743	0.000	0.010718	0.002	21.540	ug/L
	Cd	114	44.746	0.000	0.007051	0.002	31.305	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.869
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	103.535
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	13103.139	0.012	0.450173	ug/L
	Cr	53	938.071	0.002	0.528838	ug/L
	Co	59	999.076	0.003	0.081578	ug/L
	Zn	66	2994.648	0.009	1.988781	ug/L
	Zn	68	2535.479	0.007	2.150363	ug/L
>	Ge	72	293508.782	293508.782		ug/L
	As	75	872.881	0.003	0.356782	ug/L
	Se	77	139.003	0.000	0.187783	ug/L
	Se	82	24.286	0.000	0.063748	ug/L
>	Rh	103	349756.984	349756.984		ug/L
	Ag	107	158.003	0.000	0.013613	ug/L
	Cd	111	32.198	0.000	0.013308	ug/L

: 00445

Cd	114	42.180	0.000	0.008588	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	13007.984	0.013	0.488014	ug/L
Cr	53	888.084	0.002	0.491364	ug/L
Co	59	970.078	0.003	0.081294	ug/L
Zn	66	3132.716	0.010	2.130522	ug/L
Zn	68	2633.812	0.008	2.306374	ug/L
Ge	72	286722.480	286722.480		ug/L
As	75	807.936	0.002	0.328088	ug/L
Se	77	138.003	0.000	0.187680	ug/L
Se	82	2.716	-0.000	0.088640	ug/L
Rh	103	351879.154	351879.154		ug/L
Ag	107	158.003	0.000	0.013504	ug/L
Cd	111	22.746	0.000	0.008872	ug/L
Cd	114	34.934	0.000	0.006108	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	13421.732	0.015	0.537220	ug/L
Cr	53	888.084	0.002	0.502404	ug/L
Co	59	1046.087	0.003	0.080888	ug/L
Zn	66	3044.879	0.010	2.092034	ug/L
Zn	68	2625.508	0.008	2.330348	ug/L
Ge	72	285262.508	285262.508		ug/L
As	75	836.836	0.002	0.348844	ug/L
Se	77	142.003	0.000	0.242400	ug/L
Se	82	5.324	-0.000	-0.042221	ug/L
Rh	103	353878.477	353878.477		ug/L
Ag	107	166.004	0.000	0.014160	ug/L
Cd	111	25.290	0.000	0.009878	ug/L
Cd	114	57.125	0.000	0.009480	ug/L

: 00446

Sample Information

Sample ID: 1002038-23
Autosampler Position: 51
Sample Date/Time: Wednesday, February 10, 2010 17:00:43
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1002038-23.057
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	27112.328	0.061	2.192720	0.106	4.848	ug/L
	Cr	53	2509.466	0.007	2.123769	0.041	1.932	ug/L
	Co	59	1082.426	0.003	0.091091	0.003	2.873	ug/L
	Zn	66	1603.529	0.004	0.965279	0.027	2.798	ug/L
	Zn	68	1778.906	0.005	1.389093	0.027	1.962	ug/L
>	Ge	72	292058.317	292058.317				ug/L
	As	75	1323.384	0.004	0.618935	0.044	7.162	ug/L
	Se	77	134.336	0.000	0.156922	0.027	17.362	ug/L
	Se	82	23.007	0.000	0.057458	0.096	167.614	ug/L
>	Rh	103	348671.336	348671.336				ug/L
	Ag	107	47.667	0.000	0.001620	0.001	39.018	ug/L
	Cd	111	15.528	0.000	0.005625	0.001	25.887	ug/L
	Cd	114	42.145	0.000	0.006618	0.001	14.073	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	104.908
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.584
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	26820.407	0.058	2.087412	ug/L
	Cr	53	2552.482	0.007	2.150086	ug/L
	Co	59	1109.087	0.003	0.092987	ug/L
	Zn	66	1606.188	0.004	0.966436	ug/L
	Zn	68	1761.238	0.004	1.356487	ug/L
>	Ge	72	294021.240	294021.240		ug/L
	As	75	1252.288	0.003	0.572777	ug/L
	Se	77	139.003	0.000	0.185831	ug/L
	Se	82	4.269	0.000	0.048074	ug/L
>	Rh	103	348460.259	348460.259		ug/L
	Ag	107	51.001	0.000	0.001988	ug/L
	Cd	111	15.797	0.000	0.005764	ug/L

: 00447

	Cd	114	42.733	0.000	0.008741	ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	28736.211	0.000	2.173383	ug/L
	Cr	53	2508.468	0.007	2.144788	ug/L
	Ce	58	1086.083	0.000	0.092218	ug/L
	Zn	66	1630.208	0.005	0.995053	ug/L
	Zn	68	1785.241	0.005	1.410788	ug/L
	Ge	72	288886.542	288886.542		ug/L
	As	75	1385.359	0.004	0.651167	ug/L
	Se	77	130.002	0.000	0.131877	ug/L
	Se	82	27.356	0.000	0.083086	ug/L
	Rh	103	348828.048	348828.048		ug/L
	Ag	107	41.001	0.000	0.000880	ug/L
	Cd	111	12.283	0.000	0.004108	ug/L
	Cd	114	37.242	0.000	0.008631	ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	28080.387	0.084	2.307386	ug/L
	Cr	53	2466.460	0.007	2.076492	ug/L
	Ce	58	1053.088	0.003	0.088088	ug/L
	Zn	66	1575.188	0.004	0.942381	ug/L
	Zn	68	1760.242	0.005	1.397984	ug/L
	Ge	72	282488.171	282488.171		ug/L
	As	75	1332.810	0.004	0.622883	ug/L
	Se	77	134.005	0.000	0.152887	ug/L
	Se	82	37.386	0.000	0.138352	ug/L
	Rh	103	348735.688	348735.688		ug/L
	Ag	107	51.001	0.000	0.001083	ug/L
	Cd	111	18.524	0.000	0.007012	ug/L
	Cd	114	46.461	0.000	0.007481	ug/L

Sample Information

Sample ID: 1002038-24
Autosampler Position: 52
Sample Date/Time: Wednesday, February 10, 2010 17:03:29
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\1002038-24.058
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	28831.359	0.068	2.452412	0.050	2.043	ug/L
	Cr	53	2769.231	0.008	2.423514	0.022	0.900	ug/L
	Co	59	1713.223	0.005	0.154363	0.004	2.583	ug/L
	Zn	66	3890.765	0.012	2.706161	0.071	2.617	ug/L
	Zn	68	3380.834	0.010	3.093530	0.028	0.914	ug/L
>	Ge	72	288289.533	288289.533				ug/L
	As	75	2361.493	0.007	1.236844	0.013	1.056	ug/L
	Se	77	116.002	0.000	0.027088	0.056	208.541	ug/L
	Se	82	-2.387	-0.000	-0.086665	0.087	100.070	ug/L
>	Rh	103	347300.170	347300.170				ug/L
	Ag	107	78.335	0.000	0.005001	0.001	28.974	ug/L
	Cd	111	-22.639	-0.000	-0.012168	0.005	43.011	ug/L
	Cd	114	47.540	0.000	0.007725	0.001	17.210	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.555
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.180
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	28831.635	0.068	2.395491	ug/L
	Cr	53	2800.577	0.008	2.428535	ug/L
	Co	59	1687.219	0.005	0.151209	ug/L
	Zn	66	3819.099	0.012	2.624382	ug/L
	Zn	68	3416.861	0.010	3.097242	ug/L
>	Ge	72	291048.128	291048.128		ug/L
	As	75	2367.783	0.007	1.227298	ug/L
	Se	77	123.002	0.000	0.072808	ug/L
	Se	82	4.214	0.000	0.049140	ug/L
>	Rh	103	353815.660	353815.660		ug/L
	Ag	107	75.001	0.000	0.004486	ug/L
	Cd	111	9.988	-0.000	0.006128	ug/L

	Cd	114	51.746	0.000	0.008382	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	28831.358	0.000	2.469772	ug/L
	Cr	53	2717.544	0.000	2.398818	ug/L
	Co	59	1682.215	0.000	0.153036	ug/L
	Zn	66	3904.105	0.013	2.746602	ug/L
	Zn	68	3370.628	0.010	3.118780	ug/L
>	Ge	72	285317.647	285317.647		ug/L
	As	75	2362.438	0.007	1.251728	ug/L
	Se	77	117.002	0.000	0.044520	ug/L
	Se	82	8.293	-0.000	-0.025030	ug/L
>	Rh	103	341708.947	341708.947		ug/L
	Ag	107	67.001	0.000	0.003880	ug/L
	Cd	111	-28.439	-0.000	-0.015028	ug/L
	Cd	114	38.237	0.000	0.006194	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	29011.088	0.000	2.471971	ug/L
	Cr	53	2789.573	0.000	2.442389	ug/L
	Co	59	1760.234	0.000	0.156846	ug/L
	Zn	66	3849.131	0.013	2.747588	ug/L
	Zn	68	3354.821	0.010	3.063568	ug/L
>	Ge	72	288601.825	288601.825		ug/L
	As	75	2354.281	0.007	1.231510	ug/L
	Se	77	108.002	-0.000	-0.038083	ug/L
	Se	82	-19.689	-0.000	-0.185833	ug/L
>	Rh	103	346375.912	346375.912		ug/L
	Ag	107	93.002	0.000	0.008837	ug/L
	Cd	111	-29.513	-0.000	-0.015346	ug/L
	Cd	114	51.637	0.000	0.008580	ug/L

Sample Information

Sample ID: 0B10035-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, February 10, 2010 17:06:14
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\0B10035-CCV.059
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	316216.622	1.095	39.598116	0.467	1.179	ug/L
	Cr	53	37346.775	0.132	38.980335	0.902	2.313	ug/L
	Co	59	387775.523	1.382	39.093592	0.649	1.659	ug/L
	Zn	66	50697.812	0.180	39.068951	0.729	1.866	ug/L
	Zn	68	37100.476	0.131	39.543464	0.247	0.626	ug/L
>	Ge	72	280512.873	280512.873				ug/L
	As	75	65956.354	0.234	39.558207	0.627	1.586	ug/L
	Se	77	4831.348	0.017	37.972975	0.359	0.945	ug/L
	Se	82	6486.177	0.023	38.168346	0.833	2.182	ug/L
>	Rh	103	340039.837	340039.837				ug/L
	Ag	107	346046.524	1.018	38.737286	0.517	1.334	ug/L
	Cd	111	79815.209	0.235	37.943711	0.332	0.874	ug/L
	Cd	114	183475.974	0.540	37.729243	0.462	1.225	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.761
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.044
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	313386.371	1.081	39.071888	ug/L
	Cr	53	36672.756	0.129	38.010847	ug/L
	Co	59	382205.987	1.357	38.379884	ug/L
	Zn	66	49868.179	0.178	38.296209	ug/L
	Zn	68	37131.633	0.130	39.421213	ug/L
>	Ge	72	281610.788	281610.788		ug/L
	As	75	65081.204	0.230	38.862878	ug/L
	Se	77	4811.988	0.017	37.842758	ug/L
	Se	82	6393.524	0.023	37.472817	ug/L
>	Rh	103	341508.604	341508.604		ug/L
	Ag	107	343780.922	1.007	38.316807	ug/L
	Cd	111	79884.274	0.234	37.856839	ug/L

: 00451

L	Cd	114	183083.388	0.539	37.467379	ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	317848.108	1.109	39.780473	ug/L
I	Cr	53	37538.768	0.132	39.139183	ug/L
I	Co	59	398826.718	1.388	39.253727	ug/L
I	Zn	66	50883.109	0.180	39.169486	ug/L
:	Zn	68	37407.087	0.132	39.828238	ug/L
I>	Ge	72	280833.022	280833.022		ug/L
I	As	75	68219.294	0.236	39.686284	ug/L
I	Se	77	4826.678	0.017	37.980073	ug/L
L	Se	82	6466.450	0.023	37.941288	ug/L
[>	Rh	103	338128.318	338128.318		ug/L
I	Ag	107	349238.442	1.033	39.314229	ug/L
I	Cd	111	80132.381	0.237	39.309163	ug/L
L	Cd	114	169029.186	0.647	38.282288	ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
[	Cr	52	317436.388	1.108	39.862008	ug/L
I	Cr	53	37827.808	0.134	39.783884	ug/L
I	Co	59	381284.885	1.402	39.647186	ug/L
L	Zn	66	51312.157	0.183	38.746088	ug/L
I	Zn	68	38762.729	0.130	39.380841	ug/L
I>	Ge	72	279084.828	279084.828		ug/L
I	As	75	68568.649	0.238	40.122489	ug/L
I	Se	77	4855.888	0.017	38.388082	ug/L
L	Se	82	6808.568	0.024	39.081156	ug/L
[>	Rh	103	340488.589	340488.589		ug/L
I	Ag	107	348119.208	1.014	38.581028	ug/L
I	Cd	111	79328.972	0.233	37.682140	ug/L
L	Cd	114	182308.370	0.536	37.438083	ug/L

Sample Information

Sample ID: 0B10035-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, February 10, 2010 17:09:29
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B10035.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B10035\0B10035-CCB.060
Tuning File: C:\Elandata\Tuning\10FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\10FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	8902.969	-0.000	-0.017258	0.021	122.892	ug/L
	Cr	53	422.350	0.000	0.026574	0.019	70.086	ug/L
	Co	59	107.002	-0.000	-0.002979	0.001	40.324	ug/L
	Zn	66	287.675	-0.000	-0.005724	0.006	100.571	ug/L
	Zn	68	405.016	-0.000	-0.016659	0.025	148.408	ug/L
>	Ge	72	280710.248	280710.248				ug/L
	As	75	171.292	-0.000	-0.043239	0.057	130.931	ug/L
	Se	77	121.336	0.000	0.094570	0.039	41.259	ug/L
	Se	82	-7.687	-0.000	-0.119176	0.194	162.742	ug/L
>	Rh	103	343491.976	343491.976				ug/L
	Ag	107	127.336	0.000	0.010524	0.002	16.953	ug/L
	Cd	111	9.440	0.000	0.002869	0.004	133.961	ug/L
	Cd	114	22.822	0.000	0.002811	0.000	12.503	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.832
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.060
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	8884.673	-0.001	-0.035077	ug/L
	Cr	53	413.016	0.000	0.012182	ug/L
	Co	59	117.002	-0.000	-0.002081	ug/L
	Zn	66	282.006	-0.000	-0.012387	ug/L
	Zn	68	426.017	0.000	0.003429	ug/L
>	Ge	72	283580.884	283580.884		ug/L
	As	75	76.088	-0.001	-0.101104	ug/L
	Se	77	116.003	0.000	0.058107	ug/L
	Se	82	19.716	-0.000	-0.186060	ug/L
>	Rh	103	342228.886	342228.886		ug/L
	Ag	107	132.003	0.000	0.011089	ug/L
	Cd	111	17.229	0.000	0.008584	ug/L

	Cd	114	20 750	0 000	0 002e06	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	6730 419	-0 001	-0 022886	ug/L
	Cr	53	436 018	0 000	0 047601	ug/L
	Co	59	92 002	-0 000	-0 004344	ug/L
	Zn	66	288 008	-0 000	-0 002210	ug/L
	Zn	68	408 016	-0 000	-0 009137	ug/L
>	Ge	72	2788629 634	2788629 634		ug/L
	As	75	173 288	-0 000	-0 040847	ug/L
	Se	77	118 002	0 000	0 080882	ug/L
	Se	82	32 818	-0 000	-0 269282	ug/L
>	Rh	103	345638 639	345638 639		ug/L
	Ag	107	141 003	0 000	0 011980	ug/L
	Cd	111	10 103	0 000	0 003182	ug/L
	Cd	114	24 031	0 000	0 003028	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	9123 915	0 000	0 008200	ug/L
	Cr	53	418 016	0 000	0 018870	ug/L
	Co	59	112 002	-0 000	-0 002513	ug/L
	Zn	66	293 008	-0 000	-0 002584	ug/L
	Zn	68	381 014	-0 000	-0 044271	ug/L
>	Ge	72	261810 248	261810 248		ug/L
	As	75	264 523	0 000	0 012053	ug/L
	Se	77	127 002	0 000	0 136723	ug/L
	Se	82	29 474	0 000	0 099813	ug/L
>	Rh	103	342713 404	342713 404		ug/L
	Ag	107	109 002	0 000	0 008523	ug/L
	Cd	111	0 988	-0 000	-0 001108	ug/L
	Cd	114	23 985	0 000	0 002988	ug/L

: 00454

due 3-05
Cal ID: OB23006

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence

Instrument #: 114
Date: 2-22-10
Analyst: DSL

Data File: OB22027
Calibration BLK/ICB/CCB: 1% HNO3 LOT#1109060
Internal Standard #: 0020464

All samples are run at a 5x dilution which is accounted for on the prep benchsheet

.002 -

Autosampler Position:

1. BLK/ICB/CCB/9120094
2. ICV/SCV/CCV 40ug/L 0010901
3. STD2 0.2 ug/L 9120100
4. STD3 1.0 ug/L 9120099
5. STD4 10 ug/L 9120098
6. STD5 20 ug/L 9120097
7. STD6 50 ug/L 9120096
8. STD7 100 ug/L 9120095
9. STD1 0.04 ug/L 9120101
10. IFA1 0010903 .002 -
11. IFB1 0010904

Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor	Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor
Bcout									
1/17	1000901-blk2				35/51	1002038-11			
2/18	bs2				36/52	1002038-12			
3/19	1002004-01				37/53	1001061-MS2			
4/20	MS3				38/54	1001061-MS02			
5/21	MS03				39/55	SR03			
6/22	SR01				40/56	1001061-PS2			
7/23	PS3				41/57	1002038-13			
8/24	-02				42/58	1001063-BLK2			
9/25	-03				43/59	1001063-BS2			
10/26	-04				44/60	1002038-14			
11/27	-05				45/61	1001063-MS2			
12/28	-06				46/62	1001063-MS02			
13/29	-07				47/63	SR04			
14/30	-08				48/64	1001063-PS2			
15/31	MS4				49/65	1002038-15			
16/32	MS04				50/66	1002038-16			
17/33	SR02				51/67	1002038-17			
18/34	PS4				52/68	1002038-18			
19/35	-09				53/69	1002038-19			
20/36	70				54/70	1002038-20			
21/37	71				55/71	1002038-21			
22/38	72				56/72	1002038-22			
23/39	1001061-BLK 2				57/73	1002038-23			
24/40	1001061-BS 2				58/74	1002038-24			
25/41	1002038-01				59/75	1001399-BLK2			
26/42	1002038-02				60/76	1001399-BS2			
27/43	1002038-03				61/77	1002144-01			
28/44	1002038-04				62/78	1002144-02			
29/45	1002038-05				63/79	1002144-03			
30/46	1002038-06				64/80	1002144-04			
31/47	1002038-07				65/81	1002144-05			
32/48	1002038-08				66/82	1002144-06			
33/49	1002038-09				67/83	1002144-07			
34/50	1002038-10				68/84	1002144-08			

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence

Instrument #: _____ **Data File:** _____

Date: _____ **Calibration BLK/ICB/CCB:** 1% HNO3 LOT#1109060

Analyst: _____ **Internal Standard #:** _____

All samples are run at a 5x dilution which is accounted for on the prep benchsheet

Autosampler Position:

1. BLK/ICB/CCB/9120094
2. ICV/SCV/CCV 40ug/L 0010901
3. STD2 0.2 ug/L 9120100
4. STD3 1.0 ug/L 9120099
5. STD4 10 ug/L 9120098
6. STD5 20 ug/L 9120097
7. STD6 50 ug/L 9120096
8. STD7 100 ug/L 9120095
9. STD1 0.04 ug/L 9120101
10. IFA1 0010903
11. IFB1 0010904

Analysis #/ Position #	ID	Dilution			Analysis #/ Position #	ID	Dilution		
		Initial Volume (mL)	Final Volume (mL)	Dilution Factor			Initial Volume (mL)	Final Volume (mL)	Dilution Factor
85 1/17	1002144-09				35/51				
6 2/18	1002144-10				36/52				
7 3/19	1002144-11				37/53				
8 4/20	1002144-12				38/54				
9 5/21	1002144-13 DTZ-2270				39/55				
90 6/22	1002144-14 IS				40/56				
1 7/23	1002144-15				41/57				
2 8/24	1002144-17				42/58				
3 9/25	1002144-18				43/59				
4 10/26	1002144-19				44/60				
5 11/27	1001399-MS2				45/61				
6 12/28	1001399-MSD2				46/62				
7 13/29	SRD-5				47/63				
8 14/30	1001399-PS2				48/64				
9 15/31	1001400-BLK2				49/65				
100 16/32	1001400-BS2				50/66				
1 17/33	1002144-20				51/67				
2 18/34	1001400-MS2				52/68				
3 19/35	1001400-MSD2				53/69				
4 20/36	SRD-6				54/70				
5 21/37	1001400-PS2				55/71				
6 22/38	1002144-21				56/72				
7 23/39	1002144-22				57/73				
8 24/40	1002144-23				58/74				
9 25/41	1002144-24				59/75				
110 26/42	1002144-25				60/76				
27/43					61/77				
28/44					62/78				
29/45					63/79				
30/46					64/80				
31/47					65/81				
32/48					66/82				
33/49					67/83				
34/50					68/84				

Instrument Tuning Report

File Name: 22FEB2010_6020A_C.tun
File Path: C:\Elandata\Tuning

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
Li	7.016	7.078	1528	2025	0.847	
Co	58.933	58.877	14181	2005	0.852	
In	114.904	114.878	27843	2000	0.843	
Ba	137.905	137.879	33454	1990	0.876	
Ce	139.905	139.929	33943	1985	0.868	
Tl	204.975	205.027	49830	1980	0.857	

Report Date/Time: Monday, February 22, 2010 13:16:07

: 00457

Daily Performance Report

Sample ID: 0010896
Sample Date/Time: Monday, February 22, 2010 13:16:28
Sample Description:
Method File: C:\elandata\Method\6020A_Daily.mth
Dataset File: C:\elandata\Dataset\daily performance\0010896.2575
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac
Dual Detector Mode: Dual

Acq. Dead Time(ns): 70
Current Dead Time (ns): 70

Number of Replicates: 6

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Li	7.0	7123.4	7123.384	124.853	1.8
	Co	58.9	81878.6	81878.649	1877.567	2.3
	In	114.9	217854.5	217854.450	2567.497	1.2
	Tl	205.0	167620.4	167620.361	2695.833	1.6
⌈>	Ba	137.9	185978.9	185978.901	2574.041	1.4
⌊	Ba++	69.0	2146.5	0.012	0.000	2.9
⌈>	Ce	139.9	239332.6	239332.650	2227.459	0.9
⌊	CeO	155.9	6377.3	0.027	0.001	3.4
	Bkgd	220.0	3.7	3.667	2.503	68.3

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	7080.508	7080.508
Co	59	82551.289	82551.289
In	115	219169.615	219169.615
Tl	205	165931.192	165931.192
Ba	138	188744.376	188744.376
Ba++	69	2166.328	0.011
Ce	140	239045.150	239045.150
CeO	156	6587.036	0.028
Bkgd	220	5.000	5.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	7284.713	7284.713
Co	59	79698.159	79698.159
In	115	216373.031	216373.031
Tl	205	167026.276	167026.276
Ba	138	188648.377	188648.377
Ba++	69	2137.320	0.011
Ce	140	241399.372	241399.372
CeO	156	6100.604	0.025
Bkgd	220	1.000	1.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	6928.359	6928.359
Co	59	82308.512	82308.512
In	115	221627.589	221627.589
Tl	205	167796.004	167796.004
Ba	138	183268.572	183268.572
Ba++	69	2237.350	0.012
Ce	140	239571.346	239571.346
CeO	156	6514.970	0.027
Bkgd	220	8.000	8.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	7225.653	7225.653
Co	59	84933.980	84933.980
In	115	218361.517	218361.517

Tl	205	164046.399	164046.399
Ba	138	187304.292	187304.292
Ba++	69	2132.318	0.011
Ce	140	242222.547	242222.547
CeO	156	6350.822	0.026
Bkgd	220	3.000	3.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	7085.513	7085.513
Co	59	81577.194	81577.194
In	115	217541.029	217541.029
Tl	205	171908.069	171908.069
Ba	138	184678.681	184678.681
Ba++	69	2087.305	0.011
Ce	140	236910.778	236910.778
CeO	156	6200.690	0.026
Bkgd	220	2.000	2.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	7135.562	7135.562
Co	59	80202.760	80202.760
In	115	214053.921	214053.921
Tl	205	169014.226	169014.226
Ba	138	183229.105	183229.105
Ba++	69	2118.314	0.012
Ce	140	236846.704	236846.704
CeO	156	6509.965	0.027
Bkgd	220	3.000	3.000

Sample/Batch Report

User Name: Administrator
Computer Name: ELAN6000_22
Sample File: C:\Elandata\Sample\0B22027.sam
Report Date/Time: Monday, February 22, 2010 13:30:49

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
17		1000901-BLK2		Sample					
18		1000901-BS2		Sample					
19		1002004-01		Sample					
20		1000901-MS3		Sample					
21		1000901-MSD3		Sample					
22		0B22027-SRD1		Sample					
23		1000901-PS3		Sample					
24		1002004-02		Sample					
25		1002004-03		Sample					
26		1002004-04		Sample					
27		1002004-05		Sample					
28		1002004-06		Sample					
29		1002004-07		Sample					
30		1002004-08		Sample					
31		1000901-MS4		Sample					
32		1000901-MSD4		Sample					
33		0B22027-SRD2		Sample					
34		1000901-PS4		Sample					
35		1002004-09		Sample					
36		1002004-10		Sample					
37		1002004-11		Sample					
38		1002004-12		Sample					

Sample Information

Sample ID: 0B22027-CAL1
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 13:31:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CAL1.001
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	362041.222					ug/L
⌊	Be	9	1.667					ug/L
⌈	V	51	2577.954					ug/L
|	Cu	63	162.003					ug/L
|	Cu	65	85.001					ug/L
|	Zn	66	122.336					ug/L
|	Zn	68	259.007					ug/L
|>	Ge	72	248920.391					ug/L
|	As	75	46.830					ug/L
|	Se	77	128.002					ug/L
⌊	Se	82	-60.127					ug/L
⌈>	Rh	103	298542.747					ug/L
|	Ag	107	15.334					ug/L
|	Cd	111	0.745					ug/L
⌊	Cd	114	8.620					ug/L
⌈>	In	115	243499.506					ug/L
|	Sb	121	64.001					ug/L
⌊	Sb	123	43.164					ug/L
⌈	Tl	203	39.334					ug/L
|	Tl	205	86.335					ug/L
|	Pb	208	542.013					ug/L
⌊>	Bi	209	331417.847					ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	

00461

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	367423.582			ug/L
	Be	9	2.000			ug/L
	V	51	2822.802			ug/L
	Cu	63	170.004			ug/L
	Cu	65	86.001			ug/L
	Zn	66	128.002			ug/L
	Zn	68	283.007			ug/L
>	Ge	72	251386.886			ug/L
	As	75	49.179			ug/L
	Se	77	143.005			ug/L
	Se	82	-73.838			ug/L
>	Rh	103	295407.738			ug/L
	Ag	107	18.000			ug/L
	Cd	111	0.188			ug/L
	Cd	114	6.087			ug/L
>	In	115	246804.306			ug/L
	Sb	121	63.001			ug/L
	Sb	123	43.623			ug/L
	Tl	203	41.001			ug/L
	Tl	205	79.001			ug/L
	Pb	208	543.014			ug/L
>	Bi	209	338068.944			ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	380138.231			ug/L
	Be	9	2.000			ug/L
	V	51	2535.940			ug/L
	Cu	63	168.004			ug/L
	Cu	65	82.001			ug/L
	Zn	66	131.002			ug/L
	Zn	68	276.008			ug/L
>	Ge	72	248841.792			ug/L
	As	75	-4.103			ug/L
	Se	77	119.002			ug/L
	Se	82	-37.513			ug/L
>	Rh	103	297639.604			ug/L
	Ag	107	15.000			ug/L
	Cd	111	0.228			ug/L
	Cd	114	8.041			ug/L
>	In	115	242515.143			ug/L
	Sb	121	63.001			ug/L
	Sb	123	41.497			ug/L
	Tl	203	42.001			ug/L
	Tl	205	95.002			ug/L
	Pb	208	564.014			ug/L
>	Bi	209	329888.878			ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	358562.864			ug/L
	Be	9	1.000			ug/L
	V	51	2575.129			ug/L
	Cu	63	148.003			ug/L
	Cu	65	87.001			ug/L
	Zn	66	108.002			ug/L
	Zn	68	238.008			ug/L
>	Ge	72	244622.387			ug/L
	As	75	98.416			ug/L
	Se	77	122.002			ug/L
	Se	82	-66.830			ug/L
>	Rh	103	302580.899			ug/L
	Ag	107	13.000			ug/L
	Cd	111	1.838			ug/L
	Cd	114	11.733			ug/L
>	In	115	241079.071			ug/L
	Sb	121	58.001			ug/L
	Sb	123	44.371			ug/L
	Tl	203	35.000			ug/L
	Tl	205	85.001			ug/L
	Pb	208	519.013			ug/L
>	Bi	209	331510.723			ug/L

: 00462

Sample Information

Sample ID: 0B22027-CAL2
Autosampler Position: 9
Sample Date/Time: Monday, February 22, 2010 13:35:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CAL2.002
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	351437.807	351437.807				ug/L
⌊	Be	9	11.000	0.000				ug/L
⌈	V	51	2850.665	0.001				ug/L
|	Cu	63	466.687	0.001				ug/L
|	Cu	65	242.673	0.001				ug/L
|	Zn	66	540.026	0.002				ug/L
|	Zn	68	538.692	0.001				ug/L
|>	Ge	72	249215.107	249215.107				ug/L
|	As	75	36.748	-0.000				ug/L
|	Se	77	118.335	-0.000				ug/L
⌊	Se	82	-45.352	0.000				ug/L
⌈>	Rh	103	300032.122	300032.122				ug/L
|	Ag	107	289.675	0.001	0.040000	0.003	7.885	ug/L
|	Cd	111	68.998	0.000	0.040000	0.005	12.358	ug/L
⌊	Cd	114	157.837	0.000	0.040000	0.003	6.378	ug/L
⌈>	In	115	241665.695	241665.695				ug/L
|	Sb	121	302.009	0.001				ug/L
⌊	Sb	123	242.254	0.001				ug/L
⌈	Tl	203	331.678	0.001	0.040000	0.003	7.051	ug/L
|	Tl	205	771.383	0.002	0.040000	0.001	1.945	ug/L
|	Pb	208	2106.142	0.005				ug/L
⌊>	Bi	209	334153.059	334153.059				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	

: 00463

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	351816.422	351816.422		ug/L
Be	9	7.000	0.000		ug/L
V	51	2771.680	0.001		ug/L
Cu	63	477.021	0.001		ug/L
Cu	65	246.007	0.001		ug/L
Zn	66	530.025	0.002		ug/L
Zn	68	535.025	0.001		ug/L
Ge	72	253435.178	253435.178		ug/L
As	75	80.772	0.000		ug/L
Se	77	111.002	-0.000		ug/L
Se	82	40.612	0.000		ug/L
Rh	103	298136.710	298136.710		ug/L
Ag	107	264.008	0.001	0.038512	ug/L
Cd	111	58.934	0.000	0.034337	ug/L
Cd	114	149.313	0.000	0.037974	ug/L
In	115	239340.320	239340.320		ug/L
Sb	121	303.009	0.001		ug/L
Sb	123	260.378	0.001		ug/L
Tl	203	330.011	0.001	0.038886	ug/L
Tl	205	775.060	0.002	0.040321	ug/L
Pb	208	2058.136	0.008		ug/L
Bi	209	333410.156	333410.156		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	350629.393	350629.393		ug/L
Be	9	13.000	0.000		ug/L
V	51	2635.716	0.001		ug/L
Cu	63	453.019	0.001		ug/L
Cu	65	238.008	0.001		ug/L
Zn	66	544.028	0.002		ug/L
Zn	68	539.028	0.001		ug/L
Ge	72	248016.823	248016.823		ug/L
As	75	9.389	-0.000		ug/L
Se	77	122.002	-0.000		ug/L
Se	82	28.560	0.000		ug/L
Rh	103	300716.874	300716.874		ug/L
Ag	107	298.009	0.001	0.040827	ug/L
Cd	111	72.907	0.000	0.042213	ug/L
Cd	114	188.888	0.001	0.042866	ug/L
In	115	245753.001	245753.001		ug/L
Sb	121	279.008	0.001		ug/L
Sb	123	218.502	0.001		ug/L
Tl	203	357.012	0.001	0.042871	ug/L
Tl	205	791.062	0.002	0.040568	ug/L
Pb	208	2181.151	0.008		ug/L
Bi	209	338462.706	338462.706		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	351987.606	351987.606		ug/L
Be	9	13.000	0.000		ug/L
V	51	2944.600	0.002		ug/L
Cu	63	470.020	0.001		ug/L
Cu	65	244.007	0.001		ug/L
Zn	66	546.028	0.002		ug/L
Zn	68	542.028	0.001		ug/L
Ge	72	246193.321	246193.321		ug/L
As	75	58.881	0.000		ug/L
Se	77	122.002	-0.000		ug/L
Se	82	-48.686	0.000		ug/L
Rh	103	301243.083	301243.083		ug/L
Ag	107	308.010	0.001	0.042661	ug/L
Cd	111	75.153	0.000	0.043459	ug/L
Cd	114	156.313	0.000	0.039161	ug/L
In	115	239802.783	239802.783		ug/L
Sb	121	324.011	0.001		ug/L
Sb	123	247.881	0.001		ug/L
Tl	203	308.010	0.001	0.037234	ug/L
Tl	205	748.047	0.002	0.038113	ug/L
Pb	208	2079.140	0.008		ug/L
Bi	209	330588.318	330588.318		ug/L

Sample ID: 0B22027-CAL2
Report Date/Time: Monday, February 22, 2010 13:37:41

Sample Information

Sample ID: 0B22027-CAL3
Autosampler Position: 3
Sample Date/Time: Monday, February 22, 2010 13:39:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CAL3.003
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	349470.450	349470.450				ug/L
⌊	Be	9	38.667	0.000	0.200000	0.023	11.516	ug/L
⌈	V	51	4044.259	0.006	0.200000	0.015	7.376	ug/L
|	Cu	63	959.074	0.003	0.200000	0.010	5.232	ug/L
|	Cu	65	474.021	0.002	0.200000	0.016	7.856	ug/L
|	Zn	66	336.345	0.001	0.200000	0.022	10.933	ug/L
|	Zn	68	405.349	0.001	0.200000	0.013	6.313	ug/L
\>	Ge	72	247293.073	247293.073				ug/L
|	As	75	334.437	0.001	0.200000	0.041	20.685	ug/L
|	Se	77	131.336	0.000	0.200000	0.293	146.643	ug/L
⌊	Se	82	-19.719	0.000	0.200000	0.088	44.151	ug/L
⌈>	Rh	103	296443.738	296443.738				ug/L
|	Ag	107	1462.498	0.005	0.200494	0.003	1.288	ug/L
|	Cd	111	342.377	0.001	0.200104	0.006	3.236	ug/L
⌊	Cd	114	831.193	0.003	0.200806	0.008	3.843	ug/L
⌈>	In	115	238406.996	238406.996				ug/L
|	Sb	121	1204.114	0.005	0.200000	0.007	3.505	ug/L
⌊	Sb	123	913.480	0.004	0.200000	0.004	2.098	ug/L
⌈	Tl	203	1432.158	0.004	0.199730	0.004	2.119	ug/L
|	Tl	205	3470.544	0.010	0.200010	0.003	1.322	ug/L
|	Pb	208	5207.124	0.014	0.200000	0.003	1.711	ug/L
⌊>	Bi	209	330161.315	330161.315				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
\>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	

00465

Sb	120.904
Sb	122.904
Tl	202.972
Tl	204.975
Pb	207.977
Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	353086.277	353086.277		ug/L
Be	9	36.000	0.000	0.183446	ug/L
V	51	4016.767	0.006	0.189642	ug/L
Cu	63	978.079	0.009	0.201240	ug/L
Cu	65	479.021	0.002	0.198868	ug/L
Zn	66	348.912	0.001	0.208184	ug/L
Zn	68	402.016	0.001	0.188808	ug/L
Ge	72	250367.412	250367.412		ug/L
As	75	387.470	0.001	0.219819	ug/L
Se	77	138.003	0.000	0.488216	ug/L
Se	82	-8.668	0.000	0.265878	ug/L
Rh	103	298688.461	298688.461		ug/L
Ag	107	1487.163	0.006	0.199808	ug/L
Cd	111	348.718	0.001	0.203671	ug/L
Cd	114	802.088	0.003	0.193344	ug/L
In	115	237654.798	237654.798		ug/L
Sb	121	1230.118	0.006	0.204225	ug/L
Sb	123	814.312	0.004	0.200868	ug/L
Tl	203	1473.187	0.004	0.204469	ug/L
Tl	205	3439.862	0.010	0.197088	ug/L
Pb	208	5224.787	0.014	0.199500	ug/L
Bi	209	331987.108	331987.108		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	350487.406	350487.406		ug/L
Be	9	37.000	0.000	0.190251	ug/L
V	51	4184.731	0.007	0.215880	ug/L
Cu	63	914.068	0.003	0.188871	ug/L
Cu	65	444.018	0.001	0.184818	ug/L
Zn	66	356.012	0.001	0.218822	ug/L
Zn	68	415.016	0.001	0.213087	ug/L
Ge	72	246897.386	246897.386		ug/L
As	75	265.988	0.001	0.152448	ug/L
Se	77	125.002	-0.000	-0.087181	ug/L
Se	82	-39.764	0.000	0.099866	ug/L
Rh	103	295477.538	295477.538		ug/L
Ag	107	1443.180	0.006	0.199473	ug/L
Cd	111	328.523	0.001	0.192630	ug/L
Cd	114	881.624	0.003	0.208810	ug/L
In	115	238461.287	238461.287		ug/L
Sb	121	1220.118	0.006	0.202742	ug/L
Sb	123	893.613	0.004	0.195441	ug/L
Tl	203	1434.158	0.004	0.198391	ug/L
Tl	205	3511.988	0.010	0.200780	ug/L
Pb	208	5175.781	0.014	0.198856	ug/L
Bi	209	332824.777	332824.777		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344828.867	344828.867		ug/L
Be	9	43.001	0.000	0.226303	ug/L
V	51	3981.258	0.006	0.183468	ug/L
Cu	63	987.079	0.003	0.208780	ug/L
Cu	65	500.023	0.002	0.215182	ug/L
Zn	66	307.010	0.001	0.178018	ug/L
Zn	68	399.016	0.001	0.197505	ug/L
Ge	72	244524.422	244524.422		ug/L
As	75	370.172	0.001	0.227732	ug/L
Se	77	130.002	0.000	0.207973	ug/L
Se	82	-12.724	0.000	0.234467	ug/L
Rh	103	297184.215	297184.215		ug/L
Ag	107	1487.170	0.006	0.203403	ug/L
Cd	111	349.887	0.001	0.204010	ug/L
Cd	114	829.856	0.003	0.199884	ug/L
In	115	239104.903	239104.903		ug/L
Sb	121	1162.106	0.006	0.192033	ug/L
Sb	123	932.318	0.004	0.203701	ug/L
Tl	203	1389.149	0.004	0.195329	ug/L
Tl	205	3468.872	0.010	0.202184	ug/L
Pb	208	5220.804	0.014	0.200844	ug/L
Bi	209	325672.084	325672.084		ug/L

: 00466

Sample Information

Sample ID: 0B22027-CAL4

Autosampler Position: 4
Sample Date/Time: Monday, February 22, 2010 13:43:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CAL4.004
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	348373.001	348373.001				ug/L
⌊	Be	9	212.005	0.001	1.004698	0.059	5.853	ug/L
⌈	V	51	9967.337	0.030	0.999912	0.027	2.715	ug/L
|	Cu	63	4214.285	0.016	1.000565	0.014	1.429	ug/L
|	Cu	65	1969.625	0.008	0.998687	0.021	2.069	ug/L
|	Zn	66	1176.109	0.004	0.999280	0.032	3.161	ug/L
|	Zn	68	1024.750	0.003	1.001332	0.028	2.793	ug/L
|>	Ge	72	247459.486	247459.486				ug/L
|	As	75	1260.942	0.005	0.992887	0.009	0.913	ug/L
|	Se	77	218.672	0.000	1.030648	0.160	15.505	ug/L
⌊	Se	82	58.933	0.000	0.974409	0.278	28.573	ug/L
⌈>	Rh	103	297613.018	297613.018				ug/L
|	Ag	107	7449.959	0.025	1.001007	0.017	1.701	ug/L
|	Cd	111	1742.666	0.006	1.000645	0.024	2.360	ug/L
⌊	Cd	114	4168.869	0.014	1.000455	0.023	2.289	ug/L
⌈>	In	115	241161.529	241161.529				ug/L
|	Sb	121	5781.730	0.024	0.999630	0.018	1.754	ug/L
⌊	Sb	123	4406.900	0.018	0.999629	0.018	1.822	ug/L
⌈	Tl	203	7224.391	0.022	1.000882	0.010	1.018	ug/L
|	Tl	205	17269.023	0.052	1.000305	0.004	0.412	ug/L
|	Pb	208	23930.199	0.070	0.999787	0.007	0.699	ug/L
⌊>	Bi	209	332663.170	332663.170				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	

: 00467

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Units
Li	6	345041.580	345041.580		ug/L
Be	9	224.006	0.001	1.071988	ug/L
V	51	10106.331	0.030	1.007077	ug/L
Cu	63	4236.289	0.018	0.987879	ug/L
Cu	65	1943.284	0.007	0.973869	ug/L
Zn	66	1179.109	0.004	0.992784	ug/L
Zn	68	1014.082	0.003	0.978172	ug/L
Ge	72	249581.840	249581.840		ug/L
As	75	1282.197	0.006	1.001500	ug/L
Se	77	233.006	0.000	1.170633	ug/L
Se	82	37.153	0.000	0.792038	ug/L
Rh	103	298061.586	298061.586		ug/L
Ag	107	7279.780	0.025	0.983186	ug/L
Cd	111	1732.503	0.008	0.998988	ug/L
Cd	114	4084.887	0.014	0.987832	ug/L
In	115	242306.770	242306.770		ug/L
Sb	121	5683.325	0.023	0.979429	ug/L
Sb	123	4344.881	0.018	0.980886	ug/L
Tl	203	7298.787	0.022	1.010314	ug/L
Tl	205	17274.035	0.052	1.000087	ug/L
Pb	208	23844.782	0.070	0.986616	ug/L
Bi	209	332632.107	332632.107		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Units
Li	6	350840.681	350840.681		ug/L
Be	9	208.006	0.001	0.978888	ug/L
V	51	9735.877	0.029	0.969803	ug/L
Cu	63	4159.252	0.018	0.987933	ug/L
Cu	65	1977.269	0.008	1.003565	ug/L
Zn	66	1211.116	0.004	1.033607	ug/L
Zn	68	1020.083	0.003	0.998387	ug/L
Ge	72	247218.880	247218.880		ug/L
As	75	1248.131	0.006	0.983427	ug/L
Se	77	203.006	0.000	0.856842	ug/L
Se	82	42.200	0.000	0.838303	ug/L
Rh	103	297089.388	297089.388		ug/L
Ag	107	7448.957	0.025	1.002708	ug/L
Cd	111	1781.318	0.008	1.024583	ug/L
Cd	114	4271.381	0.014	1.026881	ug/L
In	115	241742.310	241742.310		ug/L
Sb	121	5880.462	0.024	1.010887	ug/L
Sb	123	4493.703	0.018	1.017019	ug/L
Tl	203	7146.648	0.021	0.980077	ug/L
Tl	205	17341.188	0.052	1.004532	ug/L
Pb	208	23838.627	0.070	0.995686	ug/L
Bi	209	332668.140	332668.140		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Units
Li	6	349436.751	349436.751		ug/L
Be	9	204.005	0.001	0.963230	ug/L
V	51	10080.804	0.031	1.022758	ug/L
Cu	63	4246.304	0.017	1.016085	ug/L
Cu	65	1986.297	0.008	1.016414	ug/L
Zn	66	1138.102	0.004	0.971436	ug/L
Zn	68	1040.086	0.003	1.031436	ug/L
Ge	72	245808.628	245808.628		ug/L
As	75	1252.497	0.006	0.993733	ug/L
Se	77	220.008	0.000	1.084788	ug/L
Se	82	97.446	0.001	1.294868	ug/L
Rh	103	299888.070	299888.070		ug/L
Ag	107	7622.141	0.029	1.017119	ug/L
Cd	111	1714.177	0.008	0.977383	ug/L
Cd	114	4140.338	0.014	0.988841	ug/L
In	115	239436.508	239436.508		ug/L
Sb	121	5791.405	0.024	1.008578	ug/L
Sb	123	4382.135	0.018	1.001172	ug/L
Tl	203	7230.730	0.022	1.002254	ug/L
Tl	205	17181.836	0.051	0.996286	ug/L
Pb	208	24107.180	0.071	1.007850	ug/L
Bi	209	332502.262	332502.262		ug/L

Sample ID: 0B22027-CAL4
Report Date/Time: Monday, February 22, 2010 13:45:40

00468

Sample Information

Sample ID: 0B22027-CAL5
Autosampler Position: 5
Sample Date/Time: Monday, February 22, 2010 13:47:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CAL5.005
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	346664.691	346664.691				ug/L
⌊	Be	9	2217.033	0.006	10.006107	0.330	3.300	ug/L
⌈	V	51	80637.265	0.316	10.005356	0.203	2.026	ug/L
|	Cu	63	42320.119	0.170	10.004071	0.203	2.034	ug/L
|	Cu	65	20231.817	0.081	10.006539	0.187	1.872	ug/L
|	Zn	66	11260.315	0.045	10.005475	0.170	1.694	ug/L
|	Zn	68	8215.137	0.032	10.003856	0.116	1.161	ug/L
|>	Ge	72	247351.868	247351.868				ug/L
|	As	75	13406.477	0.054	10.008765	0.282	2.820	ug/L
|	Se	77	1107.764	0.004	10.009919	0.321	3.211	ug/L
⌊	Se	82	1344.151	0.006	10.013558	0.266	2.657	ug/L
⌈>	Rh	103	293659.554	293659.554				ug/L
|	Ag	107	77541.412	0.264	10.005653	0.143	1.426	ug/L
|	Cd	111	18427.976	0.063	10.006996	0.212	2.121	ug/L
⌊	Cd	114	43266.420	0.147	10.005308	0.238	2.380	ug/L
⌈>	In	115	240769.797	240769.797				ug/L
|	Sb	121	59771.980	0.248	10.004485	0.155	1.553	ug/L
⌊	Sb	123	45751.586	0.190	10.004797	0.275	2.745	ug/L
⌈	Tl	203	76290.053	0.231	10.006760	0.157	1.566	ug/L
|	Tl	205	179156.805	0.542	10.004937	0.115	1.152	ug/L
|	Pb	208	244793.826	0.740	10.005090	0.082	0.818	ug/L
⌊>	Bi	209	330210.985	330210.985				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	

: 00469

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344297.958	344297.958		ug/L
Be	9	2242.374	0.007	10.187802	ug/L
V	51	79873.144	0.308	9.808813	ug/L
Cu	63	42511.555	0.170	9.952938	ug/L
Cu	65	20077.378	0.080	9.833846	ug/L
Zn	66	11156.823	0.044	9.818721	ug/L
Zn	68	8200.787	0.032	9.886862	ug/L
Ge	72	249734.147	249734.147		ug/L
As	75	13098.443	0.052	9.882888	ug/L
Se	77	1082.083	0.004	9.640763	ug/L
Se	82	1335.496	0.006	9.880322	ug/L
Rh	103	294942.070	294942.070		ug/L
Ag	107	78724.629	0.280	9.856748	ug/L
Cd	111	18145.464	0.062	9.810538	ug/L
Cd	114	42579.186	0.144	9.803388	ug/L
In	115	243663.056	243663.056		ug/L
Sb	121	59380.479	0.244	9.825408	ug/L
Sb	123	44834.088	0.184	9.889888	ug/L
Tl	203	77436.242	0.236	10.188171	ug/L
Tl	205	179871.880	0.548	10.079227	ug/L
Pb	208	243828.380	0.739	9.998367	ug/L
Bi	209	329256.985	329256.985		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	350823.036	350823.036		ug/L
Be	9	2159.348	0.008	9.824875	ug/L
V	51	81928.745	0.322	10.213854	ug/L
Cu	63	41419.154	0.167	9.831058	ug/L
Cu	65	20086.432	0.081	9.980108	ug/L
Zn	66	11374.162	0.046	10.149581	ug/L
Zn	68	8182.786	0.032	10.005598	ug/L
Ge	72	246321.638	246321.638		ug/L
As	75	13562.758	0.056	10.166745	ug/L
Se	77	1118.099	0.004	10.161341	ug/L
Se	82	1381.543	0.006	10.320828	ug/L
Rh	103	293828.484	293828.484		ug/L
Ag	107	77892.011	0.284	10.018868	ug/L
Cd	111	18853.747	0.064	10.232196	ug/L
Cd	114	44427.502	0.151	10.257874	ug/L
In	115	238922.036	238922.036		ug/L
Sb	121	59809.780	0.250	10.104148	ug/L
Sb	123	45883.487	0.192	10.131584	ug/L
Tl	203	75888.782	0.228	9.899972	ug/L
Tl	205	177801.488	0.535	9.972171	ug/L
Pb	208	244281.043	0.734	9.926784	ug/L
Bi	209	332108.421	332108.421		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344773.077	344773.077		ug/L
Be	9	2249.377	0.007	10.206544	ug/L
V	51	80108.906	0.315	9.993302	ug/L
Cu	63	43029.648	0.174	10.228217	ug/L
Cu	65	20621.642	0.083	10.206807	ug/L
Zn	66	11246.980	0.045	10.048123	ug/L
Zn	68	8261.858	0.033	10.119078	ug/L
Ge	72	245698.821	245698.821		ug/L
As	75	13558.229	0.056	10.176880	ug/L
Se	77	1123.100	0.004	10.227663	ug/L
Se	82	1315.414	0.006	9.886525	ug/L
Rh	103	292210.128	292210.128		ug/L
Ag	107	78207.587	0.288	10.141256	ug/L
Cd	111	18284.717	0.063	9.978256	ug/L
Cd	114	42782.589	0.148	9.944660	ug/L
In	115	239824.298	239824.298		ug/L
Sb	121	60015.678	0.250	10.083902	ug/L
Sb	123	46437.172	0.193	10.193107	ug/L
Tl	203	75846.158	0.229	9.937136	ug/L
Tl	205	179697.068	0.548	10.083414	ug/L
Pb	208	246172.066	0.748	10.090118	ug/L
Bi	209	329270.571	329270.571		ug/L

: 00478

Sample Information

Sample ID: 0B22027-CAL6
Autosampler Position: 6
Sample Date/Time: Monday, February 22, 2010 13:51:51
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CAL6.006
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	343208.165	343208.165				ug/L
⌊	Be	9	4345.032	0.013	19.961791	0.446	2.232	ug/L
⌈	V	51	152434.919	0.614	19.889119	0.040	0.203	ug/L
|	Cu	63	79172.175	0.324	19.789113	0.230	1.163	ug/L
|	Cu	65	38295.771	0.157	19.839370	0.237	1.197	ug/L
|	Zn	66	20812.487	0.085	19.752559	0.124	0.627	ug/L
|	Zn	68	15124.149	0.061	19.776679	0.389	1.967	ug/L
|>	Ge	72	244133.425	244133.425				ug/L
|	As	75	26087.763	0.107	19.951873	0.316	1.584	ug/L
|	Se	77	2120.669	0.008	20.124148	0.591	2.939	ug/L
⌊	Se	82	2713.558	0.011	20.007409	0.770	3.848	ug/L
⌈>	Rh	103	288089.445	288089.445				ug/L
|	Ag	107	149117.595	0.518	19.921169	0.143	0.720	ug/L
|	Cd	111	35132.099	0.122	19.886135	0.327	1.643	ug/L
⌊	Cd	114	81052.658	0.281	19.813318	0.058	0.292	ug/L
⌈>	In	115	237199.348	237199.348				ug/L
|	Sb	121	118731.917	0.500	20.036372	0.279	1.390	ug/L
⌊	Sb	123	90525.528	0.381	20.020307	0.424	2.119	ug/L
⌈	Tl	203	146431.315	0.450	19.900639	0.175	0.881	ug/L
|	Tl	205	348794.298	1.073	19.957924	0.266	1.333	ug/L
|	Pb	208	470103.279	1.445	19.905646	0.210	1.055	ug/L
⌊>	Bi	209	325046.053	325046.053				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	

: 00471

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	345152.778	345152.778		ug/L
Be	9	4264.318	0.012	19.478801	ug/L
V	51	151937.725	0.613	19.842748	ug/L
Cu	63	80104.463	0.328	20.041777	ug/L
Cu	65	38322.812	0.157	19.672138	ug/L
Zn	66	20758.321	0.085	19.718534	ug/L
Zn	68	15413.767	0.062	20.181107	ug/L
Ge	72	243866.485	243866.485		ug/L
As	75	25681.177	0.106	19.580617	ug/L
Se	77	2051.318	0.008	19.448179	ug/L
Se	82	2688.847	0.011	19.701688	ug/L
Rh	103	288430.008	288430.008		ug/L
Ag	107	146822.870	0.518	19.832484	ug/L
Cd	111	34788.247	0.121	19.671684	ug/L
Cd	114	81402.101	0.282	19.975209	ug/L
In	115	238497.394	238497.394		ug/L
Sb	121	117464.488	0.492	19.718688	ug/L
Sb	123	89421.394	0.375	19.666858	ug/L
Tl	203	144401.588	0.446	19.722497	ug/L
Tl	205	352121.941	1.074	19.971054	ug/L
Pb	208	466808.980	1.427	19.663688	ug/L
Bi	209	327808.030	327808.030		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	341274.913	341274.913		ug/L
Be	9	4408.403	0.013	20.356874	ug/L
V	51	157088.079	0.615	19.916515	ug/L
Cu	63	78972.667	0.323	19.734330	ug/L
Cu	65	38581.309	0.158	20.058781	ug/L
Zn	66	20629.958	0.084	19.648256	ug/L
Zn	68	15045.980	0.061	19.743800	ug/L
Ge	72	243261.382	243261.382		ug/L
As	75	26266.866	0.108	20.176852	ug/L
Se	77	2140.342	0.008	20.400479	ug/L
Se	82	2825.040	0.012	20.853097	ug/L
Rh	103	289479.210	289479.210		ug/L
Ag	107	149262.910	0.516	19.644353	ug/L
Cd	111	35018.648	0.121	19.724534	ug/L
Cd	114	81227.862	0.281	19.760772	ug/L
In	115	237183.732	237183.732		ug/L
Sb	121	119887.597	0.506	20.228830	ug/L
Sb	123	89997.946	0.379	19.903404	ug/L
Tl	203	148238.862	0.454	20.073017	ug/L
Tl	205	345303.820	1.056	19.686480	ug/L
Pb	208	475045.080	1.456	20.041468	ug/L
Bi	209	326223.392	326223.392		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	343198.809	343198.809		ug/L
Be	9	4384.377	0.013	20.049888	ug/L
V	51	153270.952	0.618	19.908084	ug/L
Cu	63	79739.387	0.320	19.561232	ug/L
Cu	65	37983.101	0.156	19.587214	ug/L
Zn	66	21051.185	0.085	19.899888	ug/L
Zn	68	14912.700	0.060	19.406131	ug/L
Ge	72	245242.426	245242.426		ug/L
As	75	26385.256	0.107	20.088439	ug/L
Se	77	2170.351	0.009	20.526787	ug/L
Se	82	2646.786	0.011	19.437436	ug/L
Rh	103	286359.115	286359.115		ug/L
Ag	107	148458.906	0.522	20.086888	ug/L
Cd	111	35683.404	0.124	20.262187	ug/L
Cd	114	80528.013	0.281	19.803973	ug/L
In	115	235816.918	235816.918		ug/L
Sb	121	116843.689	0.503	20.163499	ug/L
Sb	123	92157.246	0.390	20.490866	ug/L
Tl	203	144658.514	0.451	19.908403	ug/L
Tl	205	348957.132	1.087	20.217239	ug/L
Pb	208	466756.168	1.452	20.011806	ug/L
Bi	209	321008.748	321008.748		ug/L

: 00472

Sample Information

Sample ID: 0B22027-CAL7
Autosampler Position: 7
Sample Date/Time: Monday, February 22, 2010 13:55:49
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CAL7.007
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	342747.716	342747.716				ug/L
	Be	9	10671.408	0.031	49.848503	1.429	2.866	ug/L
	V	51	374840.964	1.554	50.054652	0.223	0.445	ug/L
	Cu	63	195089.974	0.813	49.956112	0.436	0.873	ug/L
	Cu	65	93625.911	0.390	49.911800	0.329	0.659	ug/L
	Zn	66	50540.348	0.210	49.836442	0.126	0.252	ug/L
	Zn	68	36956.061	0.153	49.955315	0.351	0.702	ug/L
>	Ge	72	239638.721	239638.721				ug/L
	As	75	63802.288	0.266	49.961423	1.272	2.545	ug/L
	Se	77	4964.442	0.020	49.959194	1.576	3.154	ug/L
	Se	82	6559.279	0.028	49.769144	1.298	2.608	ug/L
>	Rh	103	291202.902	291202.902				ug/L
	Ag	107	366913.209	1.260	49.742577	0.517	1.040	ug/L
	Cd	111	85156.800	0.292	49.597975	0.226	0.456	ug/L
	Cd	114	200980.448	0.690	49.762795	0.762	1.532	ug/L
>	In	115	235453.337	235453.337				ug/L
	Sb	121	292417.965	1.242	49.955026	1.022	2.047	ug/L
	Sb	123	222675.524	0.946	49.937637	1.213	2.429	ug/L
	Tl	203	356666.574	1.106	49.809974	0.569	1.143	ug/L
	Tl	205	863647.928	2.679	49.972463	0.416	0.832	ug/L
	Pb	208	1163261.777	3.607	49.949654	0.371	0.743	ug/L
>	Bi	209	322354.290	322354.290				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	349782.841	349782.841		ug/L
Be	9	10412.889	0.030	48.204047	ug/L
V	51	378287.380	1.561	50.288884	ug/L
Cu	63	198463.879	0.818	50.080003	ug/L
Cu	65	93392.514	0.388	49.586294	ug/L
Zn	66	50818.233	0.210	49.661433	ug/L
Zn	68	36825.049	0.152	49.562910	ug/L
Ge	72	240710.063	240710.063		ug/L
As	75	62887.000	0.260	48.862836	ug/L
Se	77	4879.714	0.020	48.842718	ug/L
Se	82	6419.381	0.027	48.498229	ug/L
Rh	103	293906.624	293906.624		ug/L
Ag	107	396146.567	1.246	49.180488	ug/L
Cd	111	86130.585	0.269	49.703633	ug/L
Cd	114	200027.153	0.661	49.086388	ug/L
In	115	237323.988	237323.988		ug/L
Sb	121	286208.353	1.214	48.841823	ug/L
Sb	123	219930.281	0.922	48.703225	ug/L
Tl	203	357461.150	1.104	49.702786	ug/L
Tl	205	884447.323	2.670	49.788111	ug/L
Pb	208	1160451.674	3.583	49.810093	ug/L
Bi	209	323787.320	323787.320		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342846.298	342846.298		ug/L
Be	9	10821.299	0.032	50.558014	ug/L
V	51	378232.909	1.563	50.026870	ug/L
Cu	63	194033.016	0.806	49.471316	ug/L
Cu	65	94808.343	0.393	50.219134	ug/L
Zn	66	50839.784	0.211	49.913520	ug/L
Zn	68	37238.178	0.154	50.118028	ug/L
Ge	72	240988.624	240988.624		ug/L
As	75	63708.484	0.265	49.667048	ug/L
Se	77	4919.743	0.020	49.273283	ug/L
Se	82	6561.702	0.028	49.720546	ug/L
Rh	103	291482.288	291482.288		ug/L
Ag	107	370550.116	1.272	50.199078	ug/L
Cd	111	84792.314	0.291	49.338071	ug/L
Cd	114	200718.293	0.689	49.644783	ug/L
In	115	236086.906	236086.906		ug/L
Sb	121	294504.567	1.247	50.170788	ug/L
Sb	123	223502.566	0.947	49.981389	ug/L
Tl	203	350986.486	1.086	49.301836	ug/L
Tl	205	868682.429	2.704	50.446811	ug/L
Pb	208	1165780.038	3.636	50.345809	ug/L
Bi	209	320604.992	320604.992		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339804.212	339804.212		ug/L
Be	9	10780.237	0.032	50.785448	ug/L
V	51	370022.624	1.547	49.847433	ug/L
Cu	63	194783.027	0.816	50.317018	ug/L
Cu	65	92676.676	0.381	49.950872	ug/L
Zn	66	50166.048	0.211	49.904372	ug/L
Zn	68	36808.968	0.154	50.184008	ug/L
Ge	72	237538.488	237538.488		ug/L
As	75	65013.371	0.274	51.354383	ug/L
Se	77	5094.887	0.021	51.761680	ug/L
Se	82	6878.773	0.028	51.080868	ug/L
Rh	103	288220.812	288220.812		ug/L
Ag	107	363940.922	1.263	49.848184	ug/L
Cd	111	84547.518	0.293	49.752323	ug/L
Cd	114	202187.886	0.702	50.077208	ug/L
In	115	232980.120	232980.120		ug/L
Sb	121	294539.974	1.264	50.852388	ug/L
Sb	123	225683.706	0.958	51.126318	ug/L
Tl	203	361563.102	1.120	50.425326	ug/L
Tl	205	856834.031	2.653	49.671667	ug/L
Pb	208	1163563.722	3.603	49.893382	ug/L
Bi	209	322780.580	322780.580		ug/L

Sample ID: 0B22027-CAL7
Report Date/Time: Monday, February 22, 2010 13:57:36

Sample Information

Sample ID: 0B22027-CAL8
Autosampler Position: 8
Sample Date/Time: Monday, February 22, 2010 13:59:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CAL8.008
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	340021.021	340021.021				ug/L
⌊	Be	9	21268.165	0.063	100.033285	1.830	1.829	ug/L
⌈	V	51	749260.209	3.105	100.003337	1.245	1.245	ug/L
|	Cu	63	379943.711	1.579	99.283212	0.862	0.868	ug/L
|	Cu	65	181598.632	0.755	99.169594	2.162	2.180	ug/L
|	Zn	66	99403.549	0.413	99.476299	0.933	0.937	ug/L
|	Zn	68	72638.884	0.301	99.566116	0.102	0.103	ug/L
|>	Ge	72	240535.519	240535.519				ug/L
|	As	75	125714.319	0.522	99.554709	1.075	1.079	ug/L
|	Se	77	9553.480	0.039	99.276682	1.237	1.246	ug/L
⌊	Se	82	13169.422	0.055	99.791089	1.602	1.605	ug/L
⌈>	Rh	103	284829.951	284829.951				ug/L
|	Ag	107	715448.276	2.512	99.806574	0.689	0.690	ug/L
|	Cd	111	170047.169	0.597	100.289448	1.662	1.657	ug/L
⌊	Cd	114	393625.141	1.382	99.915687	0.440	0.440	ug/L
⌈>	In	115	233013.036	233013.036				ug/L
|	Sb	121	576201.450	2.473	99.876167	1.166	1.168	ug/L
⌊	Sb	123	442154.773	1.897	100.044497	1.044	1.043	ug/L
⌈	Tl	203	704778.240	2.197	99.743796	0.968	0.970	ug/L
|	Tl	205	1663052.331	5.183	99.215192	0.727	0.732	ug/L
|	Pb	208	2253789.757	7.023	99.353251	0.404	0.407	ug/L
⌊>	Bi	209	320824.610	320824.610				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	

00475

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	342381.094	342381.094		ug/L
Be	9	20973.968	0.061	97.987984	ug/L
V	51	752188.742	3.141	101.188946	ug/L
Cu	63	380711.214	1.586	100.263282	ug/L
Cu	65	184717.781	0.774	101.667829	ug/L
Zn	66	99502.243	0.416	100.354847	ug/L
Zn	68	72131.081	0.301	99.648486	ug/L
Ge	72	238856.787	238856.787		ug/L
As	75	124041.011	0.520	99.001568	ug/L
Se	77	9586.499	0.040	100.169086	ug/L
Se	82	12952.489	0.054	98.167127	ug/L
Rh	103	269850.148	269850.148		ug/L
Ag	107	716818.272	2.498	99.253344	ug/L
Cd	111	172150.088	0.800	100.770054	ug/L
Cd	114	397770.588	1.388	100.220808	ug/L
In	115	232210.247	232210.247		ug/L
Sb	121	569583.533	2.453	99.083008	ug/L
Sb	123	436297.969	1.887	99.513008	ug/L
Tl	203	714162.969	2.217	100.883438	ug/L
Tl	205	1660714.289	5.217	99.881930	ug/L
Pb	208	2253048.608	6.992	98.914643	ug/L
Bi	209	322138.086	322138.086		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	338881.731	338881.731		ug/L
Be	9	21488.483	0.063	101.452527	ug/L
V	51	738207.150	3.084	98.704431	ug/L
Cu	63	377988.006	1.574	98.944862	ug/L
Cu	65	179321.808	0.747	98.086810	ug/L
Zn	66	99324.787	0.413	99.576256	ug/L
Zn	68	72528.084	0.301	99.597931	ug/L
Ge	72	240080.716	240080.716		ug/L
As	75	127044.281	0.529	100.793217	ug/L
Se	77	9563.521	0.039	99.772614	ug/L
Se	82	13253.449	0.056	101.389521	ug/L
Rh	103	288749.314	288749.314		ug/L
Ag	107	718733.122	2.508	99.586188	ug/L
Cd	111	168062.811	0.588	98.440947	ug/L
Cd	114	394282.300	1.375	99.411298	ug/L
In	115	234367.747	234367.747		ug/L
Sb	121	576381.518	2.456	99.330366	ug/L
Sb	123	441750.351	1.885	99.373343	ug/L
Tl	203	705132.407	2.198	99.836386	ug/L
Tl	205	1664712.441	5.191	99.354840	ug/L
Pb	208	2261017.148	7.049	99.710083	ug/L
Bi	209	320688.438	320688.438		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	339020.238	339020.238		ug/L
Be	9	21344.055	0.063	100.678346	ug/L
V	51	757384.734	3.108	100.116833	ug/L
Cu	63	381153.816	1.588	98.641483	ug/L
Cu	65	180756.307	0.744	97.753943	ug/L
Zn	66	99383.607	0.409	98.497795	ug/L
Zn	68	73297.478	0.301	99.481822	ug/L
Ge	72	242880.043	242880.043		ug/L
As	75	126057.668	0.519	99.888349	ug/L
Se	77	9611.424	0.038	97.888348	ug/L
Se	82	13302.328	0.056	99.838817	ug/L
Rh	103	280780.394	280780.394		ug/L
Ag	107	710793.438	2.531	100.578188	ug/L
Cd	111	169938.688	0.606	101.657744	ug/L
Cd	114	388822.529	1.386	100.115187	ug/L
In	115	232461.115	232461.115		ug/L
Sb	121	582549.299	2.508	101.215141	ug/L
Sb	123	446418.007	1.920	101.248642	ug/L
Tl	203	695038.313	2.174	98.733588	ug/L
Tl	205	1643730.262	5.142	98.426806	ug/L
Pb	208	2247308.514	7.029	99.439018	ug/L
Bi	209	319636.329	319636.329		ug/L

: 00476

Quantitative Analysis Calibration Report

File Name:
File Path:
Calibration Type: External Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Li	6.015	Linear Thru Zero	0.00	0.00	0.000000
Be	9.012	Linear Thru Zero	0.00	0.00	0.999994
V	50.944	Linear Thru Zero	0.03	0.00	0.999997
Cu	62.930	Linear Thru Zero	0.02	0.00	0.999905
Cu	64.928	Linear Thru Zero	0.01	0.00	0.999878
Zn	65.926	Linear Thru Zero	0.00	0.00	0.999935
Zn	67.925	Linear Thru Zero	0.00	0.00	0.999958
Ge	71.922	Linear Thru Zero	0.00	0.00	0.000000
As	74.922	Linear Thru Zero	0.01	0.00	0.999966
Se	76.920	Linear Thru Zero	0.00	0.00	0.999908
Se	81.917	Linear Thru Zero	0.00	0.00	0.999979
Rh	102.905	Linear Thru Zero	0.00	0.00	0.000000
Ag	106.905	Linear Thru Zero	0.03	0.00	0.999977
Cd	110.904	Linear Thru Zero	0.01	0.00	0.999947
Cd	113.904	Linear Thru Zero	0.01	0.00	0.999979
In	114.904	Linear Thru Zero	0.00	0.00	0.000000
Sb	120.904	Linear Thru Zero	0.02	0.00	0.999997
Sb	122.904	Linear Thru Zero	0.02	0.00	0.999999
Tl	202.972	Linear Thru Zero	0.02	0.00	0.999978
Tl	204.975	Linear Thru Zero	0.05	0.00	0.999897
Pb	207.977	Linear Thru Zero	0.07	0.00	0.999928
Bi	208.980	Linear Thru Zero	0.00	0.00	0.000000

Method Equation

Analyte	Mass	Corrections
V	50.944	-3.127 *(ClO 53 -(0.113 *Cr 52))
As	74.922	-3.127 *(ArCl 77 -(0.706602625 *Se 82))
Se	81.917	- 1.007833 * Kr 83
Cd	110.904	-1.060002 *(MoO 108 -(0.712 *Pd 106))
Cd	113.904	-0.027250 *Sn 118
In	114.904	- 0.014038 * Sn 118
Sb	122.904	- 0.125884 * Te 125
Pb	207.977	+1*Pb 206 +1*Pb 207

00477

Sample Information

Sample ID: 0B22027-SCV1
Autosampler Position: 2
Sample Date/Time: Monday, February 22, 2010 14:03:46
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-SCV1.009
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	337373.912	337373.912				ug/L
⌊	Be	9	7955.841	0.024	37.708502	0.525	1.392	ug/L
⌈	V	51	278694.960	1.163	37.453052	0.480	1.283	ug/L
|	Cu	63	146459.825	0.616	38.722922	0.343	0.886	ug/L
|	Cu	65	70818.377	0.298	39.125208	0.112	0.286	ug/L
|	Zn	66	38473.424	0.161	38.908088	0.887	2.280	ug/L
|	Zn	68	27659.728	0.115	38.175054	0.222	0.582	ug/L
|>	Ge	72	237567.395	237567.395				ug/L
|	As	75	49687.835	0.209	39.817485	0.618	1.551	ug/L
|	Se	77	3715.670	0.015	38.302685	0.682	1.780	ug/L
⌊	Se	82	4918.851	0.021	38.011469	0.853	2.243	ug/L
⌈>	Rh	103	286535.705	286535.705				ug/L
|	Ag	107	280600.100	0.979	38.910143	0.307	0.790	ug/L
|	Cd	111	65225.577	0.228	38.238576	0.332	0.869	ug/L
⌊	Cd	114	150210.074	0.524	37.903565	0.486	1.282	ug/L
⌈>	In	115	233549.538	233549.538				ug/L
|	Sb	121	217512.329	0.931	37.615025	0.859	2.285	ug/L
⌊	Sb	123	166672.782	0.714	37.628872	1.431	3.804	ug/L
⌈	Tl	203	269386.114	0.837	37.990528	0.967	2.545	ug/L
|	Tl	205	639222.444	1.985	37.998903	0.304	0.801	ug/L
|	Pb	208	864500.459	2.684	37.961595	0.126	0.333	ug/L
⌊>	Bi	209	321953.379	321953.379				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.187
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	95.439
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	95.978
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	95.914

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	97.144

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	337028.193	337028.193		ug/L
Be	9	7915.463	0.023	37.563087	ug/L
V	51	274401.056	1.146	38.813258	ug/L
Cu	63	145444.299	0.612	38.497768	ug/L
Cu	65	70576.883	0.297	39.038788	ug/L
Zn	66	37652.831	0.158	38.017738	ug/L
Zn	68	27488.089	0.115	37.980798	ug/L
Ge	72	237298.674	237298.674		ug/L
As	75	48744.686	0.205	39.106877	ug/L
Se	77	3785.040	0.016	39.087346	ug/L
Se	82	4786.086	0.020	37.031616	ug/L
Rh	103	289471.923	289471.923		ug/L
Ag	107	280865.087	0.971	38.863316	ug/L
Cd	111	65387.261	0.226	37.947309	ug/L
Cd	114	151520.078	0.523	37.842483	ug/L
In	115	238453.059	238453.059		ug/L
Sb	121	214444.558	0.907	38.822913	ug/L
Sb	123	161438.586	0.683	35.980032	ug/L
Tl	203	266684.561	0.626	37.503084	ug/L
Tl	205	645220.521	1.999	38.261666	ug/L
Pb	208	863867.788	2.674	37.827039	ug/L
Bi	209	322743.503	322743.503		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	340107.133	340107.133		ug/L
Be	9	7929.478	0.023	37.278072	ug/L
V	51	280177.227	1.168	37.812358	ug/L
Cu	63	145678.048	0.613	38.553052	ug/L
Cu	65	71124.058	0.299	39.250838	ug/L
Zn	66	36521.981	0.151	36.914568	ug/L
Zn	68	27656.711	0.116	38.127005	ug/L
Ge	72	237829.917	237829.917		ug/L
As	75	50235.709	0.211	40.212885	ug/L
Se	77	3687.988	0.015	37.983820	ug/L
Se	82	4909.202	0.021	38.583681	ug/L
Rh	103	288191.670	288191.670		ug/L
Ag	107	283028.188	0.982	39.019079	ug/L
Cd	111	65488.180	0.227	38.187669	ug/L
Cd	114	149288.363	0.518	37.450871	ug/L
In	115	230996.174	230996.174		ug/L
Sb	121	217878.221	0.943	38.089086	ug/L
Sb	123	167670.268	0.726	38.263066	ug/L
Tl	203	276431.188	0.861	39.104189	ug/L
Tl	205	638418.084	1.989	38.089646	ug/L
Pb	208	884449.328	2.692	38.077701	ug/L
Bi	209	320951.384	320951.384		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	334986.411	334986.411		ug/L
Be	9	8022.583	0.024	38.283438	ug/L
V	51	281508.568	1.175	37.833538	ug/L
Cu	63	147966.128	0.622	39.117966	ug/L
Cu	65	70754.410	0.297	39.088886	ug/L
Zn	66	39345.458	0.165	39.791972	ug/L
Zn	68	27834.405	0.116	38.417358	ug/L
Ge	72	237573.583	237573.583		ug/L
As	75	50083.129	0.211	40.133812	ug/L
Se	77	3673.981	0.015	37.856688	ug/L
Se	82	4972.282	0.021	38.419208	ug/L
Rh	103	291943.520	291943.520		ug/L
Ag	107	277807.045	0.966	39.148034	ug/L
Cd	111	64793.268	0.230	38.600731	ug/L
Cd	114	149820.781	0.531	38.417242	ug/L
In	115	233200.386	233200.386		ug/L
Sb	121	220213.208	0.944	38.133078	ug/L
Sb	123	170908.482	0.733	38.833531	ug/L
Tl	203	265132.814	0.823	37.364330	ug/L
Tl	205	634028.737	1.968	37.966387	ug/L
Pb	208	865494.784	2.685	37.980048	ug/L
Bi	209	322166.251	322166.251		ug/L

00479

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 14:12:14
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.010
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	337475.933	337475.933				ug/L
⌊	Be	9	1.000	-0.000	-0.002614	0.005	180.662	ug/L
⌈	V	51	2393.232	-0.000	-0.010992	0.014	125.822	ug/L
|	Cu	63	165.004	0.000	0.002486	0.005	187.357	ug/L
|	Cu	65	83.001	0.000	0.000758	0.002	297.607	ug/L
|	Zn	66	111.669	-0.000	-0.005835	0.002	40.723	ug/L
|	Zn	68	249.007	0.000	0.000548	0.026	4789.882	ug/L
|>	Ge	72	239003.286	239003.286				ug/L
|	As	75	59.241	0.000	0.011562	0.039	334.612	ug/L
|	Se	77	119.002	-0.000	-0.041122	0.062	150.162	ug/L
⌊	Se	82	-46.696	0.000	0.083464	0.184	220.646	ug/L
⌈>	Rh	103	290803.792	290803.792				ug/L
|	Ag	107	85.668	0.000	0.009661	0.001	7.263	ug/L
|	Cd	111	6.438	0.000	0.003281	0.003	85.650	ug/L
⌊	Cd	114	10.783	0.000	0.000592	0.001	224.101	ug/L
⌈>	In	115	235309.658	235309.658				ug/L
|	Sb	121	704.042	0.003	0.110285	0.006	5.747	ug/L
⌊	Sb	123	540.189	0.002	0.111701	0.004	3.463	ug/L
⌈	Tl	203	39.334	0.000	0.000186	0.001	721.160	ug/L
|	Tl	205	90.668	0.000	0.000431	0.000	77.665	ug/L
|	Pb	208	504.345	-0.000	-0.000862	0.001	69.013	ug/L
⌊>	Bi	209	320323.836	320323.836				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.215
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.016
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	97.408
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	96.637

: 00480

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	96.653

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	338670.203	338670.203		ug/L
Be	9	2.000	0.000	0.002082	ug/L
V	51	2322.981	0.001	0.073256	ug/L
Cu	63	171.004	0.000	0.003872	ug/L
Cu	65	66.001	0.000	0.001998	ug/L
Zn	66	111.002	-0.000	-0.007482	ug/L
Zn	68	232.009	-0.000	-0.025801	ug/L
Ge	72	241112.287	241112.287		ug/L
As	75	5.864	-0.000	-0.031180	ug/L
Se	77	115.002	0.000	-0.084383	ug/L
Se	82	-41.615	0.000	0.125131	ug/L
Rh	103	280493.184	280493.184		ug/L
Ag	107	89.001	0.000	0.010133	ug/L
Cd	111	6.923	0.000	0.000584	ug/L
Cd	114	16.698	0.000	0.002069	ug/L
In	115	233463.184	233463.184		ug/L
Sb	121	721.044	0.000	0.114139	ug/L
Sb	123	553.398	0.002	0.115837	ug/L
Tl	203	49.001	0.000	0.001536	ug/L
Tl	205	96.002	0.000	0.000875	ug/L
Pb	208	508.012	-0.000	0.000849	ug/L
Bi	209	321187.680	321187.680		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	340817.621	340817.621		ug/L
Be	9	0.000	-0.000	-0.007362	ug/L
V	51	2490.962	0.000	0.003897	ug/L
Cu	63	178.004	0.000	0.008434	ug/L
Cu	65	65.001	0.000	0.000123	ug/L
Zn	66	110.002	-0.000	-0.008901	ug/L
Zn	68	248.007	0.000	0.000878	ug/L
Ge	72	237872.814	237872.814		ug/L
As	75	71.801	0.000	0.021718	ug/L
Se	77	117.002	0.000	-0.055576	ug/L
Se	82	-72.658	-0.000	0.117980	ug/L
Rh	103	288105.288	288105.288		ug/L
Ag	107	79.001	0.000	0.008854	ug/L
Cd	111	1.286	0.000	0.000332	ug/L
Cd	114	6.339	-0.000	0.000497	ug/L
In	115	234180.228	234180.228		ug/L
Sb	121	721.044	0.000	0.113749	ug/L
Sb	123	520.772	0.002	0.107903	ug/L
Tl	203	39.000	0.000	0.000157	ug/L
Tl	205	84.001	0.000	0.000048	ug/L
Pb	208	518.013	-0.000	-0.000273	ug/L
Bi	209	319293.481	319293.481		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	333139.975	333139.975		ug/L
Be	9	1.000	-0.000	-0.002582	ug/L
V	51	2366.753	0.000	-0.013715	ug/L
Cu	63	145.003	0.000	-0.002880	ug/L
Cu	65	78.001	-0.000	-0.001847	ug/L
Zn	66	114.002	-0.000	-0.003113	ug/L
Zn	68	267.008	0.000	0.026588	ug/L
Ge	72	236224.797	236224.797		ug/L
As	75	100.029	0.000	0.044181	ug/L
Se	77	125.002	0.000	0.026573	ug/L
Se	82	25.615	0.000	0.243221	ug/L
Rh	103	293812.924	293812.924		ug/L
Ag	107	89.001	0.000	0.009998	ug/L
Cd	111	11.103	0.000	0.005428	ug/L
Cd	114	9.310	0.000	0.000203	ug/L
In	115	238275.984	238275.984		ug/L
Sb	121	870.038	0.003	0.102870	ug/L
Sb	123	648.287	0.002	0.111563	ug/L
Tl	203	30.000	0.000	0.001138	ug/L
Tl	205	93.002	0.000	0.000688	ug/L
Pb	208	491.011	0.000	-0.001462	ug/L
Bi	209	320480.356	320490.356		ug/L

Sample Information

Sample ID: 0B22027-CRL1
Autosampler Position: 3
Sample Date/Time: Monday, February 22, 2010 14:16:12
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CRL1.011
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	343273.124	343273.124				ug/L
⌊	Be	9	39.667	0.000	0.177368	0.060	33.715	ug/L
⌈	V	51	3848.773	0.006	0.181527	0.012	6.834	ug/L
|	Cu	63	932.737	0.003	0.202760	0.004	2.169	ug/L
|	Cu	65	451.019	0.002	0.201335	0.002	0.893	ug/L
|	Zn	66	331.011	0.001	0.212943	0.010	4.581	ug/L
|	Zn	68	384.681	0.001	0.184570	0.017	9.246	ug/L
|>	Ge	72	240699.569	240699.569				ug/L
|	As	75	289.651	0.001	0.193639	0.032	16.667	ug/L
|	Se	77	129.002	0.000	0.055072	0.040	72.825	ug/L
⌊	Se	82	-22.016	0.000	0.273032	0.116	42.665	ug/L
⌈>	Rh	103	292083.020	292083.020				ug/L
|	Ag	107	1379.147	0.005	0.185624	0.015	8.263	ug/L
|	Cd	111	370.118	0.001	0.212475	0.010	4.588	ug/L
⌊	Cd	114	792.952	0.003	0.194162	0.010	5.118	ug/L
⌈>	In	115	235941.242	235941.242				ug/L
|	Sb	121	1527.179	0.006	0.250840	0.003	1.121	ug/L
⌊	Sb	123	1162.477	0.005	0.250410	0.008	3.203	ug/L
⌈	Tl	203	1475.834	0.004	0.202011	0.004	2.018	ug/L
|	Tl	205	3391.839	0.010	0.195944	0.002	1.139	ug/L
|	Pb	208	5161.116	0.014	0.202840	0.006	3.118	ug/L
⌊>	Bi	209	323152.763	323152.763				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.816
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.697
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	97.836
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	96.896

00482

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	97.506

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
U	6	341570.568	341570.568		ug/L
Be	9	28.000	0.000	0.126420	ug/L
V	51	3847.194	0.005	0.180068	ug/L
Cu	63	926.089	0.003	0.200439	ug/L
Cu	65	453.019	0.002	0.201871	ug/L
Zn	66	323.011	0.001	0.204217	ug/L
Zn	68	374.014	0.001	0.168866	ug/L
Ge	72	241251.665	241251.665		ug/L
As	75	284.318	0.001	0.188715	ug/L
Se	77	133.003	0.000	0.063871	ug/L
Se	82	-23.748	0.000	0.258712	ug/L
Rh	103	293549.412	293549.412		ug/L
Ag	107	1258.129	0.004	0.167980	ug/L
Cd	111	383.133	0.001	0.218811	ug/L
Cd	114	762.760	0.003	0.185778	ug/L
In	115	235712.831	235712.831		ug/L
Sb	121	1506.174	0.008	0.247833	ug/L
Sb	123	1128.723	0.005	0.243383	ug/L
Tl	203	1485.188	0.004	0.198746	ug/L
Tl	205	3408.848	0.010	0.193376	ug/L
Pb	208	5120.775	0.014	0.187210	ug/L
Bi	209	326750.410	326750.410		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
U	6	343648.012	343648.012		ug/L
Be	9	54.001	0.000	0.244021	ug/L
V	51	3908.988	0.006	0.194989	ug/L
Cu	63	943.072	0.003	0.207831	ug/L
Cu	65	443.018	0.002	0.199330	ug/L
Zn	66	326.011	0.001	0.211136	ug/L
Zn	68	394.015	0.001	0.202982	ug/L
Ge	72	238380.838	238380.838		ug/L
As	75	330.198	0.001	0.228092	ug/L
Se	77	128.002	0.000	0.057571	ug/L
Se	82	-5.614	0.000	0.396808	ug/L
Rh	103	294832.689	294832.689		ug/L
Ag	107	1448.181	0.005	0.193120	ug/L
Cd	111	353.982	0.001	0.201249	ug/L
Cd	114	845.043	0.003	0.205138	ug/L
In	115	234410.116	234410.116		ug/L
Sb	121	1532.180	0.008	0.253408	ug/L
Sb	123	1147.348	0.005	0.248732	ug/L
Tl	203	1447.181	0.004	0.199568	ug/L
Tl	205	3388.838	0.010	0.197381	ug/L
Pb	208	5276.818	0.015	0.208884	ug/L
Bi	209	320617.894	320617.894		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
U	6	344702.804	344702.804		ug/L
Be	9	36.000	0.000	0.159884	ug/L
V	51	3790.158	0.005	0.189816	ug/L
Cu	63	929.070	0.003	0.200008	ug/L
Cu	65	457.019	0.002	0.202803	ug/L
Zn	66	344.012	0.001	0.223476	ug/L
Zn	68	366.014	0.001	0.182482	ug/L
Ge	72	242466.988	242466.988		ug/L
As	75	254.440	0.001	0.184110	ug/L
Se	77	126.002	0.000	0.013775	ug/L
Se	82	-36.585	0.000	0.163775	ug/L
Rh	103	297886.969	297886.969		ug/L
Ag	107	1433.158	0.005	0.195772	ug/L
Cd	111	373.239	0.001	0.217388	ug/L
Cd	114	771.063	0.003	0.191589	ug/L
In	115	237700.778	237700.778		ug/L
Sb	121	1541.182	0.008	0.251281	ug/L
Sb	123	1210.359	0.005	0.259126	ug/L
Tl	203	1496.171	0.005	0.206717	ug/L
Tl	205	3378.833	0.010	0.197088	ug/L
Pb	208	5085.756	0.014	0.201624	ug/L
Bi	209	320089.988	320089.988		ug/L

00483

Sample Information

Sample ID: 0B22027-CRL2
Autosampler Position: 4
Sample Date/Time: Monday, February 22, 2010 14:20:11
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CRL2.012
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	340348.974	340348.974				ug/L
⌊	Be	9	220.006	0.001	1.026265	0.104	10.133	ug/L
⌈	V	51	9575.225	0.029	0.947819	0.007	0.733	ug/L
|	Cu	63	4055.192	0.016	1.018467	0.026	2.574	ug/L
|	Cu	65	1980.628	0.008	1.036384	0.026	2.469	ug/L
|	Zn	66	1120.099	0.004	1.003048	0.021	2.127	ug/L
|	Zn	68	988.078	0.003	1.013835	0.060	5.875	ug/L
|>	Ge	72	240692.828	240692.828				ug/L
|	As	75	1224.709	0.005	0.933793	0.064	6.832	ug/L
|	Se	77	218.006	0.000	0.991443	0.167	16.816	ug/L
⌊	Se	82	71.311	0.001	0.976046	0.113	11.604	ug/L
⌈>	Rh	103	291279.105	291279.105				ug/L
|	Ag	107	7243.413	0.025	0.986238	0.043	4.324	ug/L
|	Cd	111	1743.534	0.006	1.005060	0.039	3.839	ug/L
⌊	Cd	114	3969.600	0.014	0.983367	0.028	2.804	ug/L
⌈>	In	115	236808.281	236808.281				ug/L
|	Sb	121	5982.898	0.025	1.010096	0.019	1.921	ug/L
⌊	Sb	123	4544.363	0.019	1.002683	0.021	2.118	ug/L
⌈	Tl	203	7223.390	0.022	0.997166	0.021	2.090	ug/L
|	Tl	205	17061.524	0.052	0.993138	0.004	0.439	ug/L
|	Pb	208	23619.839	0.071	0.998116	0.016	1.565	ug/L
⌊>	Bi	209	327190.651	327190.651				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.008
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.695
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	97.567
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.252

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.725

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339854 523	339854 523		ug/L
Be	9	196 008	0 001	0 914984	ug/L
V	51	9580 133	0.029	0 848882	ug/L
Cu	63	4020 171	0 016	1 008720	ug/L
Cu	65	2015 304	0 008	1 056788	ug/L
Zn	66	1116 088	0 004	0 988476	ug/L
Zn	68	954 072	0 003	0 987886	ug/L
Ge	72	240694 246	240694 246		ug/L
As	75	1225 251	0 005	0 934540	ug/L
Se	77	236 008	0 000	1.181784	ug/L
Se	82	56 368	0 000	0 883427	ug/L
Rh	103	283776 469	283776 469		ug/L
Ag	107	8944 444	0 024	0 937189	ug/L
Cd	111	1727 592	0 006	0 987353	ug/L
Cd	114	3875 192	0 013	0 951622	ug/L
In	115	236475 251	236475 251		ug/L
Sb	121	5946 534	0 025	1 006133	ug/L
Sb	123	4501 086	0 019	0 994261	ug/L
Tl	203	7187 688	0 022	0 982402	ug/L
Tl	205	16974 315	0 052	0 988308	ug/L
Pb	208	23816 729	0 071	1 008851	ug/L
Bi	209	327103 302	327103 302		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339598 681	339598 681		ug/L
Be	9	223 008	0 001	1 042841	ug/L
V	51	9638 137	0 029	0 940388	ug/L
Cu	63	3984 161	0 016	0 997738	ug/L
Cu	65	2002 301	0 008	1 049488	ug/L
Zn	66	1103 088	0 004	0 983728	ug/L
Zn	68	1039 088	0 003	1 081073	ug/L
Ge	72	241188 807	241188 807		ug/L
As	75	1146 114	0 005	0 888828	ug/L
Se	77	207 005	0 000	0 871166	ug/L
Se	82	71 298	0 001	0 974774	ug/L
Rh	103	289650 988	289650 988		ug/L
Ag	107	7410 917	0 026	1 014566	ug/L
Cd	111	1688 088	0 006	0 978513	ug/L
Cd	114	4002 885	0 014	0 987079	ug/L
In	115	240587 089	240587 089		ug/L
Sb	121	5981 563	0 025	0 993864	ug/L
Sb	123	4548 889	0.019	0 998950	ug/L
Tl	203	7134 633	0 022	0 979116	ug/L
Tl	205	17221 909	0 052	0 988770	ug/L
Pb	208	23337 211	0.069	0 980080	ug/L
Bi	209	329070 686	329070 686		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	341586 718	341586 718		ug/L
Be	9	241 008	0 001	1 120870	ug/L
V	51	9808 408	0 030	0 964108	ug/L
Cu	63	4161 253	0 017	1 047943	ug/L
Cu	65	1924 278	0 008	1 007379	ug/L
Zn	66	1141,103	0 004	1 025941	ug/L
Zn	68	971 078	0 003	0 982739	ug/L
Ge	72	240295 432	240295 432		ug/L
As	75	1302 782	0 005	0 987211	ug/L
Se	77	211 005	0 000	0 921398	ug/L
Se	82	86 281	0 001	1 089936	ug/L
Rh	103	290409 877	290409 877		ug/L
Ag	107	7374 879	0 025	1 009988	ug/L
Cd	111	1814 921	0 006	1 048314	ug/L
Cd	114	4030 726	0 014	1 001399	ug/L
In	115	233382 503	233382 503		ug/L
Sb	121	6020 586	0 026	1 031502	ug/L
Sb	123	4566 014	0 019	1 026637	ug/L
Tl	203	7347 851	0 022	1 019981	ug/L
Tl	205	16988 348	0 052	0 994337	ug/L
Pb	208	23705 577	0 071	1 007417	ug/L
Bi	209	325397 984	325397 984		ug/L

: 00485

Sample Information

Sample ID: 0B22027-IFA1
Autosampler Position: 10
Sample Date/Time: Monday, February 22, 2010 14:24:11
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-IFA1.013
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	348400.701	348400.701				ug/L
⌊	Be	9	1.333	-0.000	-0.001228	0.003	220.743	ug/L
⌈	V	51	2039.298	-0.002	-0.060344	0.013	20.947	ug/L
|	Cu	63	1085.427	0.004	0.242996	0.012	4.843	ug/L
|	Cu	65	557.694	0.002	0.260138	0.019	7.132	ug/L
|	Zn	66	1749.232	0.007	1.635498	0.006	0.337	ug/L
|	Zn	68	1117.765	0.004	1.194269	0.029	2.411	ug/L
|>	Ge	72	240338.009	240338.009				ug/L
|	As	75	42.796	-0.000	-0.001784	0.108	6050.485	ug/L
|	Se	77	268.674	0.001	1.528806	0.134	8.773	ug/L
⌊	Se	82	-52.686	0.000	0.040253	0.073	180.625	ug/L
⌈>	Rh	103	280513.262	280513.262				ug/L
|	Ag	107	184.338	0.001	0.024018	0.007	28.332	ug/L
|	Cd	111	-2.250	-0.000	-0.001763	0.016	900.941	ug/L
⌊	Cd	114	1503.405	0.005	0.385412	0.011	2.756	ug/L
⌈>	In	115	225874.987	225874.987				ug/L
|	Sb	121	393.348	0.001	0.059708	0.008	12.831	ug/L
⌊	Sb	123	296.839	0.001	0.059944	0.006	9.993	ug/L
⌈	Tl	203	45.001	0.000	0.001073	0.000	33.902	ug/L
|	Tl	205	108.335	0.000	0.001571	0.001	39.109	ug/L
|	Pb	208	783.025	0.001	0.011918	0.002	20.017	ug/L
⌊>	Bi	209	316092.050	316092.050				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.232
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
⌊	Zn	67.925	
|>	Ge	71.922	96.552
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	93.961
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	92.762

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

95.376

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348780.754	348780.754		ug/L
Be	9	1.000	-0.000	-0.002771	ug/L
V	51	2148.984	-0.001	0.047675	ug/L
Cu	63	1082.094	0.004	0.243114	ug/L
Cu	65	548.028	0.002	0.251805	ug/L
Zn	66	1768.236	0.007	1.641150	ug/L
Zn	68	1135.102	0.004	1.208108	ug/L
Ge	72	241758.587	241758.587		ug/L
As	75	143.271	0.000	0.077074	ug/L
Se	77	279.008	0.001	1.620203	ug/L
Se	82	54.804	0.000	0.028871	ug/L
Rh	103	284082.881	284082.881		ug/L
Ag	107	239.008	0.001	0.031388	ug/L
Cd	111	-10.587	-0.000	-0.008887	ug/L
Cd	114	1529.823	0.005	0.387258	ug/L
In	115	227963.848	227963.848		ug/L
Sb	121	437.018	0.002	0.066822	ug/L
Sb	123	318.507	0.001	0.063883	ug/L
Tl	203	48.001	0.000	0.001407	ug/L
Tl	205	117.002	0.000	0.001897	ug/L
Pb	208	781.024	0.001	0.010433	ug/L
Bi	209	320708.844	320708.844		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	345271.303	345271.303		ug/L
Be	9	2.000	0.000	0.001902	ug/L
V	51	2048.617	-0.002	-0.080402	ug/L
Cu	63	1134.101	0.004	0.254704	ug/L
Cu	65	538.025	0.002	0.247128	ug/L
Zn	66	1750.232	0.007	1.630126	ug/L
Zn	68	1135.102	0.004	1.212611	ug/L
Ge	72	241214.659	241214.659		ug/L
As	75	-112.563	-0.001	-0.124782	ug/L
Se	77	256.007	0.001	1.374839	ug/L
Se	82	-42.490	0.000	0.118686	ug/L
Rh	103	279499.192	279499.192		ug/L
Ag	107	174.004	0.001	0.022698	ug/L
Cd	111	27.313	0.000	0.015996	ug/L
Cd	114	1453.634	0.006	0.373987	ug/L
In	115	223722.131	223722.131		ug/L
Sb	121	396.016	0.002	0.060703	ug/L
Sb	123	308.632	0.001	0.062921	ug/L
Tl	203	42.001	0.000	0.000886	ug/L
Tl	205	98.002	0.000	0.000887	ug/L
Pb	208	839.027	0.001	0.014888	ug/L
Bi	209	313868.480	313868.480		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	351840.048	351840.048		ug/L
Be	9	1.000	-0.000	-0.002814	ug/L
V	51	1976.123	-0.002	-0.072956	ug/L
Cu	63	1020.088	0.004	0.231171	ug/L
Cu	65	501.030	0.002	0.231383	ug/L
Zn	66	1732.227	0.007	1.635218	ug/L
Zn	68	1083.080	0.004	1.161088	ug/L
Ge	72	238040.771	238040.771		ug/L
As	75	97.709	0.000	0.042387	ug/L
Se	77	272.008	0.001	1.591378	ug/L
Se	82	60.766	0.000	-0.024887	ug/L
Rh	103	277957.742	277957.742		ug/L
Ag	107	140.003	0.000	0.017972	ug/L
Cd	111	23.496	-0.000	-0.014618	ug/L
Cd	114	1526.558	0.006	0.394888	ug/L
In	115	225948.981	225948.981		ug/L
Sb	121	348.012	0.001	0.051588	ug/L
Sb	123	287.378	0.001	0.053046	ug/L
Tl	203	45.001	0.000	0.001138	ug/L
Tl	205	112.002	0.000	0.001880	ug/L
Pb	208	748.023	0.001	0.010861	ug/L
Bi	209	313811.845	313811.845		ug/L

: 00487

Sample Information

Sample ID: 0B22027-IFB1
Autosampler Position: 11
Sample Date/Time: Monday, February 22, 2010 14:28:11
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-IFB1.014
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	346896.487	346896.487				ug/L
⌊	Be	9	3979.148	0.011	18.337146	0.279	1.523	ug/L
⌈	V	51	141749.849	0.581	18.717807	0.233	1.245	ug/L
|	Cu	63	72571.539	0.302	18.998680	0.094	0.496	ug/L
|	Cu	65	34481.051	0.144	18.861361	0.397	2.106	ug/L
|	Zn	66	20593.517	0.085	20.588563	0.028	0.137	ug/L
|	Zn	68	14665.854	0.060	19.901437	0.124	0.623	ug/L
|>	Ge	72	239663.101	239663.101				ug/L
|	As	75	25095.633	0.105	19.917829	0.295	1.483	ug/L
|	Se	77	2115.001	0.008	21.043674	0.284	1.348	ug/L
⌊	Se	82	2404.435	0.010	18.645508	0.591	3.168	ug/L
⌈>	Rh	103	273650.712	273650.712				ug/L
|	Ag	107	136755.638	0.500	19.854297	0.155	0.779	ug/L
|	Cd	111	32201.597	0.118	19.768258	0.467	2.364	ug/L
⌊	Cd	114	76288.107	0.279	20.155518	0.198	0.985	ug/L
⌈>	In	115	224610.166	224610.166				ug/L
|	Sb	121	111545.364	0.496	20.052130	0.379	1.889	ug/L
⌊	Sb	123	84946.725	0.378	19.934917	0.482	2.418	ug/L
⌈	Tl	203	131898.315	0.426	19.343781	0.403	2.082	ug/L
|	Tl	205	316821.682	1.023	19.586360	0.376	1.920	ug/L
|	Pb	208	430198.291	1.388	19.635838	0.292	1.486	ug/L
⌊>	Bi	209	309610.742	309610.742				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.817
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.281
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	91.662
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	92.243

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

93.420

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	347781.829	347781.829		ug/L
Be	9	4066.189	0.012	19.884142	ug/L
V	51	141787.541	0.585	18.828878	ug/L
Cu	63	71978.562	0.301	18.951230	ug/L
Cu	65	35084.362	0.147	19.308378	ug/L
Zn	66	20444.421	0.085	20.566306	ug/L
Zn	68	14662.221	0.061	20.038560	ug/L
Ge	72	238300.213	238300.213		ug/L
As	75	25384.800	0.106	20.246253	ug/L
Se	77	2080.327	0.008	20.808834	ug/L
Se	82	2431.993	0.010	19.956237	ug/L
Rh	103	275180.476	275180.476		ug/L
Ag	107	136881.713	0.504	20.023518	ug/L
Cd	111	31569.310	0.116	19.270803	ug/L
Cd	114	76608.982	0.278	20.101344	ug/L
In	115	226891.618	226891.618		ug/L
Sb	121	110477.916	0.487	19.667832	ug/L
Sb	123	83468.804	0.368	19.385032	ug/L
Tl	203	131668.622	0.418	18.983726	ug/L
Tl	205	316751.980	1.005	19.232496	ug/L
Pb	208	431888.522	1.369	19.380875	ug/L
Bi	209	315187.119	315187.119		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344467.865	344467.865		ug/L
Be	9	3928.119	0.011	19.229778	ug/L
V	51	140120.084	0.573	18.450088	ug/L
Cu	63	73172.614	0.304	19.107133	ug/L
Cu	65	34340.894	0.143	19.734711	ug/L
Zn	66	20868.069	0.086	20.608162	ug/L
Zn	68	14630.114	0.060	19.789791	ug/L
Ge	72	240280.867	240280.867		ug/L
As	75	24863.791	0.103	19.673816	ug/L
Se	77	2151.348	0.008	21.369660	ug/L
Se	82	2458.808	0.010	19.015827	ug/L
Rh	103	276415.580	276415.580		ug/L
Ag	107	137205.588	0.496	19.720406	ug/L
Cd	111	32842.610	0.118	19.835814	ug/L
Cd	114	76432.125	0.276	19.989775	ug/L
In	115	221824.764	221824.764		ug/L
Sb	121	112208.614	0.506	20.413015	ug/L
Sb	123	85413.637	0.386	20.294013	ug/L
Tl	203	131481.567	0.425	19.301697	ug/L
Tl	205	315882.888	1.021	19.548241	ug/L
Pb	208	428089.222	1.386	19.604378	ug/L
Bi	209	309254.872	309254.872		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348439.788	348439.788		ug/L
Be	9	3951.132	0.011	19.127816	ug/L
V	51	142381.911	0.586	18.674478	ug/L
Cu	63	72563.441	0.301	18.937678	ug/L
Cu	65	34008.108	0.141	18.942980	ug/L
Zn	66	20870.071	0.086	20.601219	ug/L
Zn	68	14685.227	0.060	19.864970	ug/L
Ge	72	240408.132	240408.132		ug/L
As	75	25089.308	0.104	19.833417	ug/L
Se	77	2103.331	0.008	20.851637	ug/L
Se	82	2321.802	0.010	17.984362	ug/L
Rh	103	269376.080	269376.080		ug/L
Ag	107	134379.803	0.498	19.819889	ug/L
Cd	111	32392.872	0.120	20.198288	ug/L
Cd	114	75822.512	0.282	20.375438	ug/L
In	115	225014.118	225014.118		ug/L
Sb	121	111948.563	0.497	20.088744	ug/L
Sb	123	85089.742	0.382	20.135707	ug/L
Tl	203	132643.758	0.435	19.765618	ug/L
Tl	205	317850.198	1.044	19.981343	ug/L
Pb	208	429636.129	1.410	19.942161	ug/L
Bi	209	304410.238	304410.238		ug/L

: 00489

Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 22, 2010 14:32:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.015
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	345161.033	345161.033				ug/L
⌊	Be	9	7716.579	0.022	35.741928	0.605	1.693	ug/L
⌈	V	51	279111.228	1.150	37.030718	0.545	1.472	ug/L
|	Cu	63	148165.777	0.615	38.677361	0.458	1.185	ug/L
|	Cu	65	70802.586	0.294	38.617413	0.263	0.680	ug/L
|	Zn	66	38641.627	0.160	38.581991	0.405	1.049	ug/L
|	Zn	68	27929.784	0.115	38.059715	0.791	2.077	ug/L
|>	Ge	72	240631.302	240631.302				ug/L
|	As	75	49856.224	0.207	39.445915	0.472	1.196	ug/L
|	Se	77	3738.349	0.015	38.042203	1.209	3.179	ug/L
⌊	Se	82	4957.606	0.021	37.828105	1.158	3.061	ug/L
⌈>	Rh	103	289333.149	289333.149				ug/L
|	Ag	107	278343.953	0.962	38.221267	0.568	1.485	ug/L
|	Cd	111	64156.271	0.222	37.245548	0.350	0.939	ug/L
⌊	Cd	114	150389.321	0.520	37.577736	0.252	0.670	ug/L
⌈>	In	115	231415.180	231415.180				ug/L
|	Sb	121	215326.169	0.930	37.578361	1.015	2.701	ug/L
⌊	Sb	123	163232.292	0.705	37.186953	0.976	2.624	ug/L
⌈	Tl	203	269119.807	0.843	38.264626	0.304	0.796	ug/L
|	Tl	205	636450.279	1.993	38.146556	0.357	0.935	ug/L
|	Pb	208	860845.669	2.694	38.114344	0.229	0.602	ug/L
⌊>	Bi	209	319310.643	319310.643				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.337
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.670
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	96.915
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	95.037

: 00490

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	96.347

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B22027-CCV	Be	9	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348494.461	348494.461		ug/L
Be	9	7887.409	0.023	36.308147	ug/L
V	51	280563.709	1.187	37.573781	ug/L
Cu	63	148725.978	0.623	39.185184	ug/L
Cu	65	70056.565	0.294	36.567987	ug/L
Zn	66	38866.756	0.162	36.986472	ug/L
Zn	68	28173.738	0.117	39.753819	ug/L
Ge	72	238400.478	238400.478		ug/L
As	75	50022.886	0.210	39.946433	ug/L
Se	77	3798.046	0.016	39.049463	ug/L
Se	82	5004.242	0.021	38.630749	ug/L
Rh	103	269817.526	269817.526		ug/L
Ag	107	283670.082	0.979	38.874462	ug/L
Cd	111	63744.289	0.220	39.644022	ug/L
Cd	114	151043.148	0.521	37.678375	ug/L
In	115	231707.771	231707.771		ug/L
Sb	121	210082.729	0.908	38.612763	ug/L
Sb	123	156861.310	0.680	38.388381	ug/L
Tl	203	256340.333	0.837	38.028307	ug/L
Tl	205	627032.700	1.972	37.738733	ug/L
Pb	208	883198.264	2.713	38.377772	ug/L
Bi	209	317882.914	317882.914		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	349838.116	349838.116		ug/L
Be	9	7832.370	0.022	35.819882	ug/L
V	51	278783.310	1.133	36.483868	ug/L
Cu	63	148816.638	0.613	38.863116	ug/L
Cu	65	71766.442	0.298	38.901203	ug/L
Zn	66	38480.661	0.156	36.156846	ug/L
Zn	68	27477.022	0.112	37.199162	ug/L
Ge	72	242132.987	242132.987		ug/L
As	75	50088.084	0.207	39.382186	ug/L
Se	77	3833.980	0.014	36.700894	ug/L
Se	82	5073.388	0.021	38.461768	ug/L
Rh	103	269558.322	269558.322		ug/L
Ag	107	276518.371	0.958	37.941380	ug/L
Cd	111	64086.710	0.221	37.183647	ug/L
Cd	114	151249.872	0.522	37.763723	ug/L
In	115	233348.009	233348.009		ug/L
Sb	121	216812.546	0.828	37.485982	ug/L
Sb	123	163456.186	0.700	36.925622	ug/L
Tl	203	272841.570	0.850	38.808158	ug/L
Tl	205	641529.184	2.001	38.294888	ug/L
Pb	208	881949.010	2.687	38.007014	ug/L
Bi	209	320817.884	320817.884		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339353.522	339353.522		ug/L
Be	9	7448.858	0.022	35.101848	ug/L
V	51	280008.872	1.150	37.034538	ug/L
Cu	63	147154.819	0.609	38.294814	ug/L
Cu	65	70588.752	0.292	38.383070	ug/L
Zn	66	38798.474	0.160	38.619868	ug/L
Zn	68	28136.597	0.116	38.226106	ug/L
Ge	72	241360.463	241360.463		ug/L
As	75	49458.723	0.205	39.008127	ug/L
Se	77	3782.039	0.015	38.378152	ug/L
Se	82	4786.190	0.020	38.461802	ug/L
Rh	103	288823.800	288823.800		ug/L
Ag	107	274948.428	0.953	37.847980	ug/L
Cd	111	64068.817	0.224	37.629078	ug/L
Cd	114	148874.944	0.518	37.281109	ug/L
In	115	229188.780	229188.780		ug/L
Sb	121	219283.233	0.957	38.638859	ug/L
Sb	123	166378.400	0.726	38.268878	ug/L
Tl	203	258377.617	0.840	38.157414	ug/L
Tl	205	640788.952	2.008	38.404848	ug/L
Pb	208	857388.744	2.683	37.968246	ug/L
Bi	209	319331.119	319331.119		ug/L

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 14:40:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.016
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	344900.191	344900.191				ug/L
⌊	Be	9	1.000	-0.000	-0.002740	0.008	292.166	ug/L
⌈	V	51	2189.561	-0.001	-0.045342	0.011	25.168	ug/L
|	Cu	63	177.337	0.000	0.004658	0.003	67.177	ug/L
|	Cu	65	86.001	0.000	0.001313	0.002	165.615	ug/L
|	Zn	66	125.669	0.000	0.005306	0.012	219.942	ug/L
|	Zn	68	252.007	-0.000	-0.003357	0.039	1155.680	ug/L
|>	Ge	72	244731.548	244731.548				ug/L
|	As	75	-21.851	-0.000	-0.053144	0.048	90.085	ug/L
|	Se	77	130.002	0.000	0.042512	0.110	258.807	ug/L
⌊	Se	82	-54.618	0.000	0.032569	0.149	458.068	ug/L
⌈>	Rh	103	293361.423	293361.423				ug/L
|	Ag	107	68.001	0.000	0.007166	0.001	13.970	ug/L
|	Cd	111	7.614	0.000	0.003940	0.001	16.639	ug/L
⌊	Cd	114	11.509	0.000	0.000756	0.002	219.400	ug/L
⌈>	In	115	236220.857	236220.857				ug/L
|	Sb	121	572.362	0.002	0.087231	0.005	5.536	ug/L
⌊	Sb	123	436.472	0.002	0.088124	0.009	10.620	ug/L
⌈	Tl	203	33.000	-0.000	-0.000710	0.000	50.542	ug/L
|	Tl	205	85.001	0.000	0.000087	0.001	1289.724	ug/L
|	Pb	208	495.345	-0.000	-0.001253	0.000	35.816	ug/L
⌊>	Bi	209	320235.815	320235.815				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.265
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.317
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.264
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.011

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

96.626

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	348002.448	348002.448		ug/L
Be	9	3.000	0.000	0.008804	ug/L
V	51	2242.827	-0.001	-0.036277	ug/L
Cu	63	184.004	0.000	0.008880	ug/L
Cu	65	85.001	0.000	0.001084	ug/L
Zn	66	134.003	0.000	0.014458	ug/L
Zn	68	280.005	0.000	0.039886	ug/L
Ge	72	242986.672	242986.672		ug/L
As	75	-72.452	-0.000	-0.092883	ug/L
Se	77	126.002	0.000	0.042184	ug/L
Se	82	-40.584	-0.000	-0.014103	ug/L
Rh	103	291458.382	291458.382		ug/L
Ag	107	64.001	0.000	0.008884	ug/L
Cd	111	8.204	0.000	0.004308	ug/L
Cd	114	18.970	0.000	0.002618	ug/L
In	115	238014.410	238014.410		ug/L
Sb	121	609.032	0.002	0.082741	ug/L
Sb	123	447.787	0.002	0.089846	ug/L
Tl	203	31.000	-0.000	-0.000817	ug/L
Tl	205	65.001	-0.000	-0.001033	ug/L
Pb	208	483.011	-0.000	0.001426	ug/L
Bi	209	314737.783	314737.783		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	346218.403	346218.403		ug/L
Be	9	0.000	-0.000	-0.007362	ug/L
V	51	2113.473	-0.003	-0.056186	ug/L
Cu	63	165.004	0.000	0.001056	ug/L
Cu	65	83.001	-0.000	-0.000744	ug/L
Zn	66	131.003	0.000	0.008294	ug/L
Zn	68	227.008	-0.000	-0.040384	ug/L
Ge	72	247159.866	247159.866		ug/L
As	75	46.619	0.000	0.000083	ug/L
Se	77	142.003	0.000	0.152710	ug/L
Se	82	-32.529	0.000	0.199611	ug/L
Rh	103	293223.421	293223.421		ug/L
Ag	107	63.001	0.000	0.008498	ug/L
Cd	111	8.288	0.000	0.003183	ug/L
Cd	114	9.324	0.000	0.000211	ug/L
In	115	233321.450	233321.450		ug/L
Sb	121	545.028	0.002	0.083740	ug/L
Sb	123	468.381	0.002	0.096502	ug/L
Tl	203	38.000	-0.000	0.000298	ug/L
Tl	205	104.002	0.000	0.001218	ug/L
Pb	208	509.012	-0.000	-0.000744	ug/L
Bi	209	320848.187	320848.187		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	342482.723	342482.723		ug/L
Be	9	0.000	-0.000	-0.007362	ug/L
V	51	2212.282	-0.001	-0.041581	ug/L
Cu	63	183.004	0.000	0.005230	ug/L
Cu	65	90.001	0.000	0.000549	ug/L
Zn	66	112.002	-0.000	-0.007835	ug/L
Zn	68	249.007	-0.000	0.008671	ug/L
Ge	72	244038.208	244038.208		ug/L
As	75	-39.720	-0.000	-0.066883	ug/L
Se	77	119.002	-0.000	-0.087338	ug/L
Se	82	-70.741	-0.000	-0.087702	ug/L
Rh	103	295401.487	295401.487		ug/L
Ag	107	77.001	0.000	0.008316	ug/L
Cd	111	8.348	0.000	0.004328	ug/L
Cd	114	8.234	-0.000	-0.000582	ug/L
In	115	237328.712	237328.712		ug/L
Sb	121	563.028	0.002	0.085211	ug/L
Sb	123	393.299	0.001	0.078024	ug/L
Tl	203	32.000	-0.000	-0.000618	ug/L
Tl	205	86.001	0.000	0.000078	ug/L
Pb	208	496.012	-0.000	0.001581	ug/L
Bi	209	325023.498	325023.498		ug/L

: 00493

Sample Information

Sample ID: 1000901-BLK2
Autosampler Position: 17
Sample Date/Time: Monday, February 22, 2010 14:44:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1000901-BLK2.017
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	345747.938	345747.938				ug/L
⌊	Be	9	2.000	0.000	0.001876	0.012	650.604	ug/L
⌈	V	51	2379.309	-0.001	-0.023916	0.007	27.382	ug/L
|	Cu	63	323.677	0.001	0.041338	0.004	9.763	ug/L
|	Cu	65	152.670	0.000	0.036211	0.003	8.728	ug/L
|	Zn	66	1255.790	0.005	1.104463	0.008	0.743	ug/L
⌊	Zn	68	1081.093	0.003	1.101174	0.047	4.300	ug/L
|>	Ge	72	247458.746	247458.746				ug/L
|	As	75	26.069	-0.000	-0.015855	0.021	129.682	ug/L
|	Se	77	110.669	-0.000	-0.169614	0.116	68.451	ug/L
⌊	Se	82	-52.998	0.000	0.049502	0.083	167.703	ug/L
⌈>	Rh	103	300333.764	300333.764				ug/L
|	Ag	107	56.667	0.000	0.005454	0.001	10.189	ug/L
|	Cd	111	3.929	0.000	0.001773	0.001	75.945	ug/L
⌊	Cd	114	8.164	-0.000	-0.000122	0.000	381.159	ug/L
⌈>	In	115	237602.564	237602.564				ug/L
|	Sb	121	438.685	0.002	0.063956	0.001	1.908	ug/L
⌊	Sb	123	324.258	0.001	0.062599	0.005	8.041	ug/L
⌈	Tl	203	35.334	-0.000	-0.000548	0.001	187.188	ug/L
|	Tl	205	66.001	-0.000	-0.001165	0.000	20.648	ug/L
|	Pb	208	1177.716	0.002	0.027237	0.001	2.171	ug/L
⌊>	Bi	209	330762.384	330762.384				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.500
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.413
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.600
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.578

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.802

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344615.062	344615.062		ug/L
Be	9	1.000	-0.000	-0.002780	ug/L
V	51	2361.440	-0.001	-0.028821	ug/L
Cu	63	337.011	0.001	0.044869	ug/L
Cu	65	156.003	0.000	0.037676	ug/L
Zn	66	1249.122	0.006	1.101857	ug/L
Zn	68	1045.087	0.003	1.057080	ug/L
Ge	72	246738.688	246738.688		ug/L
As	75	30.740	-0.000	-0.012108	ug/L
Se	77	123.002	-0.000	-0.038801	ug/L
Se	82	-44.847	0.000	0.108978	ug/L
Rh	103	301139.863	301139.863		ug/L
Ag	107	57.001	0.000	0.005480	ug/L
Cd	111	5.043	0.000	0.002384	ug/L
Cd	114	10.179	0.000	0.000398	ug/L
In	115	236316.469	236316.469		ug/L
Sb	121	490.019	0.002	0.065340	ug/L
Sb	123	334.678	0.001	0.064436	ug/L
Tl	203	43.001	0.000	0.000988	ug/L
Tl	205	64.001	-0.000	-0.001357	ug/L
Pb	208	1193.051	0.002	0.028888	ug/L
Bi	209	337588.781	337588.781		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346585.734	346585.734		ug/L
Be	9	5.000	0.000	0.016710	ug/L
V	51	2468.441	-0.001	-0.016446	ug/L
Cu	63	308.010	0.001	0.036886	ug/L
Cu	65	147.003	0.000	0.032584	ug/L
Zn	66	1275.127	0.006	1.113729	ug/L
Zn	68	1083.093	0.003	1.095250	ug/L
Ge	72	248387.337	248387.337		ug/L
As	75	50.280	0.000	0.022876	ug/L
Se	77	108.002	-0.000	-0.205615	ug/L
Se	82	48.741	0.000	0.083873	ug/L
Rh	103	301570.478	301570.478		ug/L
Ag	107	61.001	0.000	0.006888	ug/L
Cd	111	5.594	0.000	0.002888	ug/L
Cd	114	8.315	-0.000	-0.000573	ug/L
In	115	237112.820	237112.820		ug/L
Sb	121	439.018	0.002	0.063480	ug/L
Sb	123	340.888	0.001	0.068456	ug/L
Tl	203	36.000	-0.000	-0.000388	ug/L
Tl	205	70.001	-0.000	-0.000885	ug/L
Pb	208	1182.080	0.002	0.027819	ug/L
Bi	209	327523.938	327523.938		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346143.018	346143.018		ug/L
Be	9	0.000	-0.000	-0.007382	ug/L
V	51	2331.048	-0.001	-0.028878	ug/L
Cu	63	329.011	0.001	0.042086	ug/L
Cu	65	156.003	0.000	0.035373	ug/L
Zn	66	1243.121	0.006	1.088104	ug/L
Zn	68	1113.098	0.003	1.161213	ug/L
Ge	72	246290.234	246290.234		ug/L
As	75	2.921	-0.000	-0.038031	ug/L
Se	77	101.002	-0.000	0.263627	ug/L
Se	82	-66.608	-0.000	-0.048148	ug/L
Rh	103	298290.968	298290.968		ug/L
Ag	107	52.001	0.000	0.004888	ug/L
Cd	111	1.149	0.000	0.000228	ug/L
Cd	114	7.987	-0.000	-0.000149	ug/L
In	115	236378.403	236378.403		ug/L
Sb	121	431.017	0.002	0.063037	ug/L
Sb	123	297.009	0.001	0.066805	ug/L
Tl	203	27.000	-0.000	-0.001642	ug/L
Tl	205	64.001	-0.000	-0.001243	ug/L
Pb	208	1158.048	0.002	0.026838	ug/L
Bi	209	327174.453	327174.453		ug/L

Sample ID: 1000901-BLK2
Report Date/Time: Monday, February 22, 2010 14:46:23

Sample Information

Sample ID: 1000901-BS2
Autosampler Position: 18
Sample Date/Time: Monday, February 22, 2010 14:48:04
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1000901-BS2.018
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	346612.892	346612.892				ug/L
⌊	Be	9	3552.252	0.010	16.385660	0.479	2.920	ug/L
⌈	V	51	134923.867	0.537	17.289453	0.319	1.848	ug/L
|	Cu	63	70119.255	0.284	17.835936	0.214	1.199	ug/L
|	Cu	65	33229.450	0.134	17.660401	0.165	0.934	ug/L
|	Zn	66	19088.999	0.077	18.534082	0.042	0.225	ug/L
|	Zn	68	13730.657	0.055	18.075375	0.249	1.376	ug/L
\>	Ge	72	246621.637	246621.637				ug/L
|	As	75	22012.464	0.089	16.971729	0.089	0.524	ug/L
|	Se	77	1792.576	0.007	17.106009	0.716	4.186	ug/L
⌊	Se	82	2184.460	0.009	16.513169	0.165	0.998	ug/L
⌈>	Rh	103	294023.386	294023.386				ug/L
|	Ag	107	130661.968	0.444	17.655069	0.083	0.470	ug/L
|	Cd	111	29918.683	0.102	17.093176	0.239	1.398	ug/L
⌊	Cd	114	69952.141	0.238	17.200459	0.250	1.452	ug/L
⌈>	In	115	239175.214	239175.214				ug/L
|	Sb	121	107924.013	0.451	18.217617	0.286	1.570	ug/L
⌊	Sb	123	81979.153	0.343	18.064985	0.323	1.785	ug/L
⌈	Tl	203	124799.841	0.380	17.258009	0.152	0.878	ug/L
|	Tl	205	298424.752	0.909	17.398864	0.326	1.872	ug/L
|	Pb	208	402593.583	1.225	17.326944	0.167	0.965	ug/L
⌊>	Bi	209	328278.175	328278.175				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.739
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
\>	Ge	71.922	99.077
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.486
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.224

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
	Bi	208.980

99.053

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342788.758	342788.758		ug/L
Be	9	3631.869	0.011	16.637536	ug/L
V	51	137161.619	0.643	17.467984	ug/L
Cu	63	71441.202	0.286	16.079106	ug/L
Cu	65	33668.032	0.136	17.748148	ug/L
Zn	66	19236.089	0.077	16.580684	ug/L
Zn	68	13606.082	0.054	17.813887	ug/L
Ge	72	247908.040	247908.040		ug/L
As	75	22248.541	0.090	17.085176	ug/L
Se	77	1723.229	0.006	16.299375	ug/L
Se	82	2175.916	0.008	16.308443	ug/L
Rh	103	290586.356	290586.356		ug/L
Ag	107	129277.680	0.446	17.673811	ug/L
Cd	111	30023.302	0.103	17.353448	ug/L
Cd	114	70148.411	0.241	17.449883	ug/L
In	115	240780.647	240780.647		ug/L
Sb	121	108744.758	0.449	17.896086	ug/L
Sb	123	80947.146	0.336	17.715980	ug/L
Tl	203	126997.028	0.381	17.313024	ug/L
Tl	206	297818.860	0.899	17.156448	ug/L
Pb	208	404042.062	1.215	17.182368	ug/L
Bi	209	332195.467	332195.467		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	347201.584	347201.584		ug/L
Be	9	3493.889	0.010	16.088084	ug/L
V	51	132870.980	0.525	16.920985	ug/L
Cu	63	69696.012	0.281	17.677425	ug/L
Cu	65	33052.673	0.133	17.470104	ug/L
Zn	66	19185.924	0.077	16.521648	ug/L
Zn	68	13984.817	0.056	16.308814	ug/L
Ge	72	248041.684	248041.684		ug/L
As	75	22030.568	0.089	16.888306	ug/L
Se	77	1827.252	0.007	17.351684	ug/L
Se	82	2192.646	0.009	16.481536	ug/L
Rh	103	296142.240	296142.240		ug/L
Ag	107	132140.383	0.446	17.727068	ug/L
Cd	111	29768.077	0.101	16.863874	ug/L
Cd	114	70463.742	0.238	17.200852	ug/L
In	115	240238.808	240238.808		ug/L
Sb	121	108979.139	0.453	18.312902	ug/L
Sb	123	82533.934	0.344	18.128817	ug/L
Tl	203	123484.488	0.383	17.374420	ug/L
Tl	206	299562.384	0.928	17.788838	ug/L
Pb	208	398881.743	1.236	17.510142	ug/L
Bi	209	322628.478	322628.478		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	349851.327	349851.327		ug/L
Be	9	3530.908	0.010	16.133386	ug/L
V	51	134739.082	0.542	17.456380	ug/L
Cu	63	69020.552	0.282	17.751278	ug/L
Cu	65	33056.645	0.136	17.782948	ug/L
Zn	66	18845.015	0.077	16.499948	ug/L
Zn	68	13601.073	0.056	16.100852	ug/L
Ge	72	243918.209	243918.209		ug/L
As	75	21758.288	0.089	16.981706	ug/L
Se	77	1827.252	0.007	17.668988	ug/L
Se	82	2184.618	0.009	16.681536	ug/L
Rh	103	295328.582	295328.582		ug/L
Ag	107	130567.843	0.442	17.564338	ug/L
Cd	111	29984.668	0.101	17.042207	ug/L
Cd	114	68247.789	0.234	16.950841	ug/L
In	115	236498.189	236498.189		ug/L
Sb	121	108048.148	0.457	18.443864	ug/L
Sb	123	82358.380	0.348	18.332048	ug/L
Tl	203	124218.029	0.378	17.086682	ug/L
Tl	206	297873.042	0.902	17.272204	ug/L
Pb	208	403836.814	1.222	17.288332	ug/L
Bi	209	330010.583	330010.583		ug/L

00497

Sample Information

Sample ID: 1002004-01
Autosampler Position: 19
Sample Date/Time: Monday, February 22, 2010 14:56:33
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002004-01.019
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	345985.924	345985.924				ug/L
⌊	Be	9	8.333	0.000	0.031172	0.005	17.556	ug/L
⌈	V	51	9146.047	0.027	0.865853	0.040	4.641	ug/L
|	Cu	63	5950.871	0.024	1.482444	0.037	2.476	ug/L
|	Cu	65	2813.249	0.011	1.460079	0.041	2.838	ug/L
|	Zn	66	7835.375	0.031	7.566783	0.061	0.806	ug/L
|	Zn	68	5886.150	0.023	7.583946	0.190	2.505	ug/L
|>	Ge	72	245688.060	245688.060				ug/L
|	As	75	3053.260	0.012	2.332227	0.056	2.411	ug/L
|	Se	77	136.336	0.000	0.103297	0.116	112.771	ug/L
⌊	Se	82	-41.048	0.000	0.138212	0.291	210.509	ug/L
⌈>	Rh	103	295621.738	295621.738				ug/L
|	Ag	107	114.002	0.000	0.013296	0.003	22.820	ug/L
|	Cd	111	39.188	0.000	0.021887	0.006	26.623	ug/L
⌊	Cd	114	92.980	0.000	0.020644	0.002	9.680	ug/L
⌈>	In	115	237361.567	237361.567				ug/L
|	Sb	121	1212.115	0.005	0.195641	0.008	4.249	ug/L
⌊	Sb	123	955.404	0.004	0.202933	0.005	2.627	ug/L
⌈	Tl	203	157.337	0.000	0.016256	0.002	12.723	ug/L
|	Tl	205	367.013	0.001	0.016296	0.000	1.295	ug/L
|	Pb	208	44575.843	0.133	1.888380	0.058	3.090	ug/L
⌊>	Bi	209	330081.774	330081.774				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.565
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.701
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.022
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.479

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.597

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	347300.220	347300.220		ug/L
	Be	9	7.000	0.000	0.024872	ug/L
	V	51	6962.382	0.025	0.820220	ug/L
	Cu	63	5864.480	0.023	1.442087	ug/L
	Cu	65	2774.667	0.011	1.413902	ug/L
	Zn	66	7858.512	0.031	7.556480	ug/L
	Zn	68	5858.459	0.022	7.408389	ug/L
>	Ge	72	249821.835	249821.835		ug/L
	As	75	3086.182	0.012	2.301821	ug/L
	Se	77	131.003	0.000	0.025180	ug/L
	Se	82	-86.964	-0.000	-0.193039	ug/L
>	Rh	103	298746.413	298746.413		ug/L
	Ag	107	109.002	0.000	0.012329	ug/L
	Cd	111	30.386	0.000	0.016864	ug/L
	Cd	114	102.637	0.000	0.022752	ug/L
>	In	115	234900.156	234900.156		ug/L
	Sb	121	1234.119	0.005	0.201801	ug/L
	Sb	123	966.825	0.004	0.207447	ug/L
	Tl	203	157.003	0.000	0.015487	ug/L
	Tl	205	378.014	0.001	0.016288	ug/L
	Pb	208	44818.944	0.129	1.821014	ug/L
>	Bi	209	341494.023	341494.023		ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	341842.087	341842.087		ug/L
	Be	9	9.000	0.000	0.034744	ug/L
	V	51	9358.519	0.028	0.886972	ug/L
	Cu	63	5873.567	0.024	1.491486	ug/L
	Cu	65	2870.608	0.011	1.494017	ug/L
	Zn	66	7883.427	0.032	7.632282	ug/L
	Zn	68	5854.497	0.023	7.557839	ug/L
>	Ge	72	245111.028	245111.028		ug/L
	As	75	3129.608	0.013	2.397101	ug/L
	Se	77	149.003	0.000	0.237188	ug/L
	Se	82	-74.724	0.000	0.255298	ug/L
>	Rh	103	292623.551	292623.551		ug/L
	Ag	107	139.003	0.000	0.016888	ug/L
	Cd	111	49.798	0.000	0.028188	ug/L
	Cd	114	91.029	0.000	0.020403	ug/L
>	In	115	241079.278	241079.278		ug/L
	Sb	121	1253.122	0.005	0.199178	ug/L
	Sb	123	943.684	0.004	0.197061	ug/L
	Tl	203	173.004	0.000	0.016569	ug/L
	Tl	205	368.013	0.001	0.016823	ug/L
	Pb	208	45018.762	0.130	1.921447	ug/L
>	Bi	209	327492.547	327492.547		ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	348815.466	348815.466		ug/L
	Be	9	9.000	0.000	0.033902	ug/L
	V	51	9129.231	0.027	0.881367	ug/L
	Cu	63	5984.568	0.024	1.513611	ug/L
	Cu	65	2794.575	0.011	1.472319	ug/L
	Zn	66	7883.188	0.031	7.511608	ug/L
	Zn	68	5947.535	0.024	7.785609	ug/L
>	Ge	72	242031.616	242031.616		ug/L
	As	75	2983.980	0.012	2.297856	ug/L
	Se	77	129.002	0.000	0.047534	ug/L
	Se	82	-11.466	0.000	0.352380	ug/L
>	Rh	103	295486.249	295486.249		ug/L
	Ag	107	96.002	0.000	0.010868	ug/L
	Cd	111	37.399	0.000	0.020840	ug/L
	Cd	114	86.274	0.000	0.018777	ug/L
>	In	115	236105.266	236105.266		ug/L
	Sb	121	1150.104	0.005	0.186148	ug/L
	Sb	123	956.688	0.004	0.204302	ug/L
	Tl	203	142.003	0.000	0.014462	ug/L
	Tl	205	354.012	0.001	0.016108	ug/L
	Pb	208	44189.823	0.136	1.922660	ug/L
>	Bi	209	321258.753	321258.753		ug/L

Sample ID: 1002004-01
Report Date/Time: Monday, February 22, 2010 14:58:20

Sample Information

Sample ID: 1000901-MS3
Autosampler Position: 20
Sample Date/Time: Monday, February 22, 2010 15:00:02
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1000901-MS3.020
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	348928.868	348928.868				ug/L
⌊	Be	9	3878.759	0.011	17.770209	0.293	1.647	ug/L
⌈	V	51	152694.144	0.608	19.576620	0.151	0.771	ug/L
|	Cu	63	79765.716	0.322	20.262056	0.071	0.348	ug/L
|	Cu	65	37765.620	0.153	20.043356	0.052	0.261	ug/L
|	Zn	66	23087.817	0.093	22.405009	0.197	0.881	ug/L
|	Zn	68	16975.651	0.068	22.391274	0.175	0.780	ug/L
|>	Ge	72	247030.953	247030.953				ug/L
|	As	75	26688.220	0.108	20.549525	0.223	1.085	ug/L
|	Se	77	1850.258	0.007	17.664245	0.181	1.026	ug/L
⌊	Se	82	2340.345	0.010	17.629484	0.337	1.910	ug/L
⌈>	Rh	103	293986.888	293986.888				ug/L
|	Ag	107	140431.598	0.478	18.978064	0.306	1.613	ug/L
|	Cd	111	32369.010	0.110	18.494186	0.320	1.732	ug/L
⌊	Cd	114	74818.682	0.254	18.398152	0.063	0.345	ug/L
⌈>	In	115	239254.060	239254.060				ug/L
|	Sb	121	110240.046	0.461	18.602141	0.144	0.772	ug/L
⌊	Sb	123	84522.360	0.353	18.621208	0.319	1.711	ug/L
⌈	Tl	203	135711.601	0.414	18.801663	0.113	0.601	ug/L
|	Tl	205	325332.831	0.993	19.003453	0.388	2.042	ug/L
|	Pb	208	474743.278	1.447	20.474665	0.302	1.477	ug/L
⌊>	Bi	209	327691.842	327691.842				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.378
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.241
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.474
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.256

00500

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	98.876

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	350279.672	350279.672		ug/L
Be	9	3937.124	0.011	17.988308	ug/L
V	51	152509.241	0.611	19.688418	ug/L
Cu	63	79107.433	0.322	20.233429	ug/L
Cu	65	37481.467	0.153	20.028720	ug/L
Zn	66	23099.813	0.094	22.585202	ug/L
Zn	68	17004.388	0.069	22.585224	ug/L
Ge	72	245338.648	245338.648		ug/L
As	75	26298.871	0.107	20.389625	ug/L
Se	77	1846.257	0.007	17.743002	ug/L
Se	82	2272.641	0.010	17.248617	ug/L
Rh	103	294689.978	294689.978		ug/L
Ag	107	138783.688	0.471	18.710142	ug/L
Cd	111	31811.794	0.108	18.131980	ug/L
Cd	114	74908.864	0.254	18.376337	ug/L
In	115	242504.336	242504.336		ug/L
Sb	121	111870.351	0.461	18.623300	ug/L
Sb	123	84387.168	0.348	18.334336	ug/L
Tl	203	137494.070	0.412	18.683781	ug/L
Tl	205	324472.258	0.972	18.596586	ug/L
Pb	208	478646.847	1.432	20.251870	ug/L
Bi	209	333886.618	333886.618		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	347788.178	347788.178		ug/L
Be	9	3886.101	0.011	17.908389	ug/L
V	51	151656.943	0.602	19.405156	ug/L
Cu	63	80239.849	0.324	20.342430	ug/L
Cu	65	37943.883	0.153	20.101078	ug/L
Zn	66	23188.811	0.093	22.461244	ug/L
Zn	68	16901.141	0.067	22.249257	ug/L
Ge	72	247486.870	247486.870		ug/L
As	75	26813.159	0.107	20.454634	ug/L
Se	77	1866.282	0.007	17.782686	ug/L
Se	82	2379.881	0.010	17.987646	ug/L
Rh	103	293819.184	293819.184		ug/L
Ag	107	139816.467	0.476	18.912350	ug/L
Cd	111	32566.628	0.111	18.610336	ug/L
Cd	114	74599.815	0.254	18.348488	ug/L
In	115	240388.644	240388.644		ug/L
Sb	121	109848.310	0.457	18.449220	ug/L
Sb	123	84675.408	0.352	18.586080	ug/L
Tl	203	135824.986	0.414	18.782180	ug/L
Tl	205	326427.843	0.998	18.044249	ug/L
Pb	208	472812.307	1.438	20.353233	ug/L
Bi	209	328104.707	328104.707		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348717.858	348717.858		ug/L
Be	9	3803.080	0.011	17.433831	ug/L
V	51	153813.248	0.610	19.635291	ug/L
Cu	63	79880.886	0.321	20.210317	ug/L
Cu	65	37871.510	0.152	19.999271	ug/L
Zn	66	22978.130	0.092	22.185579	ug/L
Zn	68	17021.427	0.068	22.338341	ug/L
Ge	72	248288.340	248288.340		ug/L
As	75	27152.930	0.109	20.804324	ug/L
Se	77	1839.256	0.007	17.457047	ug/L
Se	82	2368.714	0.010	17.752380	ug/L
Rh	103	293351.524	293351.524		ug/L
Ag	107	142584.672	0.486	19.311701	ug/L
Cd	111	32729.909	0.112	18.740243	ug/L
Cd	114	74947.287	0.256	18.466631	ug/L
In	115	234891.200	234891.200		ug/L
Sb	121	109001.476	0.464	18.733802	ug/L
Sb	123	84524.508	0.360	18.664198	ug/L
Tl	203	133816.167	0.417	18.919079	ug/L
Tl	205	324998.391	1.012	19.369623	ug/L
Pb	208	473070.879	1.472	20.818882	ug/L
Bi	209	321086.203	321086.203		ug/L

00501

Sample Information

Sample ID: 1000901-MSD3
Autosampler Position: 21
Sample Date/Time: Monday, February 22, 2010 15:03:31
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1000901-MSD3.021
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	343241.837	343241.837				ug/L
⌊	Be	9	3817.725	0.011	17.786555	0.474	2.667	ug/L
⌈	V	51	149412.498	0.613	19.760055	0.208	1.053	ug/L
|	Cu	63	78166.495	0.326	20.480702	0.359	1.753	ug/L
|	Cu	65	36903.118	0.154	20.200649	0.190	0.940	ug/L
|	Zn	66	31711.892	0.132	31.788058	0.363	1.142	ug/L
|	Zn	68	22828.320	0.094	31.190093	0.646	2.070	ug/L
|>	Ge	72	239530.703	239530.703				ug/L
|	As	75	25996.286	0.108	20.646797	0.319	1.547	ug/L
|	Se	77	1777.906	0.007	17.496911	0.601	3.436	ug/L
⌊	Se	82	2258.010	0.010	17.545558	0.528	3.011	ug/L
⌈>	Rh	103	291707.414	291707.414				ug/L
|	Ag	107	134942.127	0.463	18.381063	0.319	1.738	ug/L
|	Cd	111	30982.662	0.106	17.845234	0.531	2.974	ug/L
⌊	Cd	114	72835.136	0.250	18.053035	0.273	1.510	ug/L
⌈>	In	115	233410.462	233410.462				ug/L
|	Sb	121	109863.275	0.470	19.004946	0.205	1.077	ug/L
⌊	Sb	123	84630.811	0.362	19.113187	0.319	1.671	ug/L
⌈	Tl	203	130184.058	0.405	18.371322	0.460	2.503	ug/L
|	Tl	205	316744.837	0.985	18.845621	0.597	3.166	ug/L
|	Pb	208	467021.693	1.450	20.514674	0.478	2.330	ug/L
⌊>	Bi	209	321804.260	321804.260				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.807
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.228
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	97.710
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	95.857

00502

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.099

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
> Li	6	348076.687	348076.687		ug/L
Be	9	3782.028	0.011	17.277570	ug/L
V	51	149638.769	0.614	19.784621	ug/L
Cu	63	77994.197	0.324	20.402244	ug/L
Cu	65	36884.356	0.154	20.184668	ug/L
Zn	66	31443.370	0.131	31.509175	ug/L
Zn	68	22484.569	0.093	30.718770	ug/L
> Ge	72	239681.019	239681.019		ug/L
As	75	28084.009	0.109	20.709841	ug/L
Se	77	1808.246	0.007	17.788389	ug/L
Se	82	2338.741	0.010	18.153188	ug/L
> Rh	103	298881.974	298881.974		ug/L
Ag	107	135818.460	0.458	18.237802	ug/L
Cd	111	30434.388	0.103	17.278180	ug/L
Cd	114	72775.632	0.246	17.782257	ug/L
> In	115	235025.584	235025.584		ug/L
Sb	121	110308.323	0.469	18.947788	ug/L
Sb	123	84540.689	0.360	18.958881	ug/L
Tl	203	132078.249	0.408	18.582746	ug/L
Tl	205	315380.871	0.977	18.705817	ug/L
Pb	208	466788.203	1.442	20.387688	ug/L
> Bi	209	322849.380	322849.380		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
> Li	6	333746.338	333746.338		ug/L
Be	9	3803.060	0.011	18.216331	ug/L
V	51	148137.684	0.620	19.954701	ug/L
Cu	63	78753.562	0.332	20.672476	ug/L
Cu	65	36837.111	0.158	20.387948	ug/L
Zn	66	31752.737	0.134	32.198476	ug/L
Zn	68	23098.508	0.097	31.926186	ug/L
> Ge	72	238777.808	238777.808		ug/L
As	75	28062.281	0.110	20.929917	ug/L
Se	77	1795.244	0.007	17.898734	ug/L
Se	82	2198.562	0.010	17.288774	ug/L
> Rh	103	298813.724	298813.724		ug/L
Ag	107	135388.398	0.472	18.747108	ug/L
Cd	111	31310.913	0.108	18.330188	ug/L
Cd	114	72737.536	0.253	18.327284	ug/L
> In	115	227879.988	227879.988		ug/L
Sb	121	108463.372	0.476	19.232122	ug/L
Sb	123	84199.481	0.369	19.460804	ug/L
Tl	203	128863.108	0.412	18.687419	ug/L
Tl	205	318084.861	1.018	19.498804	ug/L
Pb	208	468089.100	1.487	21.040281	ug/L
> Bi	209	313008.208	313008.208		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
> Li	6	347902.499	347902.499		ug/L
Be	9	3889.097	0.011	17.868787	ug/L
V	51	149480.041	0.607	19.640641	ug/L
Cu	63	77851.737	0.321	20.167386	ug/L
Cu	65	36987.089	0.152	20.016333	ug/L
Zn	66	31939.569	0.131	31.658618	ug/L
Zn	68	22894.862	0.093	30.926343	ug/L
> Ge	72	242233.294	242233.294		ug/L
As	75	25852.569	0.107	20.300634	ug/L
Se	77	1732.227	0.007	16.806808	ug/L
Se	82	2236.696	0.009	17.194732	ug/L
> Rh	103	292348.548	292348.548		ug/L
Ag	107	133619.638	0.457	18.158277	ug/L
Cd	111	31202.678	0.107	17.927364	ug/L
Cd	114	72982.044	0.250	18.049683	ug/L
> In	115	237523.808	237523.808		ug/L
Sb	121	110818.129	0.466	18.834827	ug/L
Sb	123	85182.254	0.358	18.901978	ug/L
Tl	203	129620.816	0.393	17.843801	ug/L
Tl	205	315888.888	0.958	18.331354	ug/L
Pb	208	469227.774	1.421	20.106056	ug/L
> Bi	209	329758.181	329758.181		ug/L

Sample ID: 1000901-MSD3
Report Date/Time: Monday, February 22, 2010 15:05:18

Sample Information

Sample ID: 0B22027-SRD1
Autosampler Position: 22
Sample Date/Time: Monday, February 22, 2010 15:07:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-SRD1.022
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	350218.856	350218.856				ug/L
⌊	Be	9	2.000	0.000	0.001771	0.000	2.785	ug/L
⌈	V	51	3560.865	0.004	0.136006	0.019	13.799	ug/L
|	Cu	63	964.742	0.003	0.207435	0.011	5.418	ug/L
|	Cu	65	462.020	0.002	0.203759	0.017	8.475	ug/L
|	Zn	66	888.064	0.003	0.758068	0.043	5.684	ug/L
|	Zn	68	816.055	0.002	0.761031	0.031	4.039	ug/L
|>	Ge	72	244234.631	244234.631				ug/L
|	As	75	634.788	0.002	0.459453	0.030	6.426	ug/L
|	Se	77	133.336	0.000	0.080446	0.053	66.196	ug/L
⌊	Se	82	-58.155	0.000	0.005761	0.081	1403.061	ug/L
⌈>	Rh	103	292212.368	292212.368				ug/L
|	Ag	107	382.348	0.001	0.049987	0.013	25.812	ug/L
|	Cd	111	3.308	0.000	0.001476	0.003	181.611	ug/L
⌊	Cd	114	23.264	0.000	0.003678	0.002	63.192	ug/L
⌈>	In	115	236871.866	236871.866				ug/L
|	Sb	121	352.346	0.001	0.049480	0.005	10.919	ug/L
⌊	Sb	123	259.879	0.001	0.048500	0.002	4.048	ug/L
⌈	Tl	203	51.001	0.000	0.001768	0.001	32.641	ug/L
|	Tl	205	116.002	0.000	0.001870	0.000	9.919	ug/L
|	Pb	208	8034.174	0.023	0.327897	0.005	1.382	ug/L
⌊>	Bi	209	323790.042	323790.042				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.735
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.118
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	97.880
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.278

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.698

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
> Li	6	352161.339	352161.339		ug/L
Be	9	2.000	0.000	0.001721	ug/L
V	51	3736.436	0.008	0.157529	ug/L
Cu	63	924.089	0.003	0.198177	ug/L
Cu	65	429.017	0.001	0.184632	ug/L
Zn	66	676.063	0.003	0.743086	ug/L
Zn	68	840.058	0.002	0.788870	ug/L
> Ge	72	245068.283	245068.283		ug/L
As	75	593.218	0.002	0.425412	ug/L
Se	77	128.002	0.000	0.020521	ug/L
Se	82	-52.864	0.000	0.048134	ug/L
> Rh	103	291231.338	291231.338		ug/L
Ag	107	486.021	0.002	0.084131	ug/L
Cd	111	-2.072	-0.000	-0.001614	ug/L
Cd	114	26.928	0.000	0.004349	ug/L
> In	115	236827.638	236827.638		ug/L
Sb	121	370.013	0.001	0.052488	ug/L
Sb	123	269.756	0.001	0.050886	ug/L
Tl	203	49.001	0.000	0.001412	ug/L
Tl	205	120.002	0.000	0.002034	ug/L
Pb	208	7997.842	0.023	0.322872	ug/L
> Bi	209	327170.287	327170.287		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
> Li	6	348370.508	348370.508		ug/L
Be	9	2.000	0.000	0.001819	ug/L
V	51	3486.882	0.004	0.123068	ug/L
Cu	63	1015.082	0.003	0.218858	ug/L
Cu	65	474.020	0.002	0.208446	ug/L
Zn	66	880.080	0.003	0.724489	ug/L
Zn	68	824.066	0.002	0.764531	ug/L
> Ge	72	245883.631	245883.631		ug/L
As	75	863.182	0.003	0.478087	ug/L
Se	77	138.003	0.000	0.068468	ug/L
Se	82	-51.725	0.000	0.056584	ug/L
> Rh	103	291067.488	291067.488		ug/L
Ag	107	358.013	0.001	0.046869	ug/L
Cd	111	5.583	0.000	0.002860	ug/L
Cd	114	30.818	0.000	0.005883	ug/L
> In	115	235639.711	235639.711		ug/L
Sb	121	370.013	0.001	0.052730	ug/L
Sb	123	251.629	0.001	0.046887	ug/L
Tl	203	55.001	0.000	0.002434	ug/L
Tl	205	111.002	0.000	0.001889	ug/L
Pb	208	7985.786	0.023	0.330708	ug/L
> Bi	209	319257.954	319257.954		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
> Li	6	350134.722	350134.722		ug/L
Be	9	2.000	0.000	0.001773	ug/L
V	51	3480.297	0.004	0.127439	ug/L
Cu	63	958.073	0.003	0.207474	ug/L
Cu	65	464.021	0.002	0.216201	ug/L
Zn	66	929.070	0.003	0.826652	ug/L
Zn	68	784.061	0.002	0.728662	ug/L
> Ge	72	241761.700	241761.700		ug/L
As	75	647.999	0.002	0.474859	ug/L
Se	77	136.003	0.000	0.122348	ug/L
Se	82	-70.047	-0.000	-0.087446	ug/L
> Rh	103	294346.308	294346.308		ug/L
Ag	107	303.009	0.001	0.039881	ug/L
Cd	111	6.313	0.000	0.003183	ug/L
Cd	114	12.945	0.000	0.001082	ug/L
> In	115	237748.252	237748.252		ug/L
Sb	121	317.010	0.001	0.043243	ug/L
Sb	123	258.262	0.001	0.047928	ug/L
Tl	203	49.001	0.000	0.001498	ug/L
Tl	205	117.002	0.000	0.001908	ug/L
Pb	208	8118.886	0.023	0.330313	ug/L
> Bi	209	324941.906	324941.906		ug/L

00505

Sample Information

Sample ID: 1000901-PS3
Autosampler Position: 23
Sample Date/Time: Monday, February 22, 2010 15:10:31
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1000901-PS3.023
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	350104.019	350104.019				ug/L
	Be	9	3934.456	0.011	17.965563	0.230	1.278	ug/L
	V	51	154505.979	0.625	20.134171	0.481	2.388	ug/L
	Cu	63	80066.438	0.329	20.663128	0.417	2.019	ug/L
	Cu	65	38336.326	0.157	20.669849	0.153	0.739	ug/L
	Zn	66	22604.608	0.092	22.281705	0.175	0.787	ug/L
	Zn	68	16551.990	0.067	22.173829	0.104	0.470	ug/L
>	Ge	72	243179.845	243179.845				ug/L
	As	75	27330.355	0.112	21.382442	0.555	2.594	ug/L
	Se	77	1904.273	0.007	18.525759	0.338	1.824	ug/L
	Se	82	2385.819	0.010	18.246861	0.922	5.053	ug/L
>	Rh	103	297805.936	297805.936				ug/L
	Ag	107	140895.851	0.473	18.799148	0.380	2.021	ug/L
	Cd	111	32459.186	0.109	18.310155	0.331	1.809	ug/L
	Cd	114	76138.089	0.256	18.482698	0.093	0.505	ug/L
>	In	115	235124.141	235124.141				ug/L
	Sb	121	107217.175	0.456	18.408944	0.239	1.296	ug/L
	Sb	123	81274.151	0.345	18.216257	0.120	0.657	ug/L
	Tl	203	138430.981	0.425	19.300493	0.389	2.014	ug/L
	Tl	205	334363.577	1.027	19.649985	0.334	1.698	ug/L
	Pb	208	481867.795	1.479	20.915889	0.614	2.936	ug/L
>	Bi	209	325706.770	325706.770				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	96.703
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.694
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.753
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	96.560

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.277

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	350219.693	350219.693		ug/L
	Be	9	3992.089	0.011	17.765828	ug/L
	V	51	157027.930	0.638	20.562780	ug/L
	Cu	63	79256.102	0.327	20.548280	ug/L
	Cu	65	37871.910	0.156	20.514162	ug/L
	Zn	66	22618.983	0.093	22.400889	ug/L
	Zn	68	16386.980	0.067	22.086139	ug/L
>	Ge	72	242060.232	242060.232		ug/L
	As	75	27388.903	0.113	21.509714	ug/L
	Se	77	1817.278	0.007	18.756166	ug/L
	Se	82	2486.882	0.011	19.150686	ug/L
>	Rh	103	301980.686	301980.686		ug/L
	Ag	107	140082.867	0.464	18.430022	ug/L
	Cd	111	32239.685	0.107	17.931620	ug/L
	Cd	114	77163.986	0.256	18.471908	ug/L
>	In	115	234247.287	234247.287		ug/L
	Sb	121	108028.146	0.452	18.272186	ug/L
	Sb	123	80366.526	0.343	18.078178	ug/L
	Tl	203	139829.461	0.415	18.886291	ug/L
	Tl	205	338657.328	1.017	19.456784	ug/L
	Pb	208	481240.843	1.438	20.341843	ug/L
>	Bi	209	334288.742	334288.742		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	348670.634	348670.634		ug/L
	Be	9	3873.144	0.011	18.216474	ug/L
	V	51	152079.306	0.608	19.614208	ug/L
	Cu	63	79501.779	0.323	20.315343	ug/L
	Cu	65	38724.071	0.157	20.675781	ug/L
	Zn	66	22909.810	0.093	22.363769	ug/L
	Zn	68	16788.875	0.067	22.274336	ug/L
>	Ge	72	245668.378	245668.378		ug/L
	As	75	26820.086	0.108	20.778101	ug/L
	Se	77	1938.282	0.007	18.684334	ug/L
	Se	82	2282.758	0.010	17.307480	ug/L
>	Rh	103	294867.691	294867.691		ug/L
	Ag	107	142417.181	0.483	19.189128	ug/L
	Cd	111	32567.137	0.110	18.548282	ug/L
	Cd	114	75786.788	0.257	18.580893	ug/L
>	In	115	236247.989	236247.989		ug/L
	Sb	121	106819.339	0.452	18.270251	ug/L
	Sb	123	81944.681	0.347	18.279454	ug/L
	Tl	203	139287.333	0.428	19.418877	ug/L
	Tl	205	331034.372	1.016	19.454909	ug/L
	Pb	208	480206.846	1.473	20.842978	ug/L
>	Bi	209	325613.481	325613.481		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	351422.731	351422.731		ug/L
	Be	9	3936.125	0.011	17.914388	ug/L
	V	51	154410.711	0.629	20.225645	ug/L
	Cu	63	81438.433	0.336	21.125781	ug/L
	Cu	65	38413.397	0.158	20.819686	ug/L
	Zn	66	22284.932	0.092	22.080356	ug/L
	Zn	68	16471.134	0.067	22.181014	ug/L
>	Ge	72	241919.925	241919.925		ug/L
	As	75	27802.078	0.115	21.882510	ug/L
	Se	77	1867.260	0.007	18.137778	ug/L
	Se	82	2378.815	0.010	18.282514	ug/L
>	Rh	103	296589.432	296589.432		ug/L
	Ag	107	140177.504	0.473	18.778297	ug/L
	Cd	111	32580.738	0.110	18.452582	ug/L
	Cd	114	75464.613	0.254	18.396303	ug/L
>	In	115	234877.148	234877.148		ug/L
	Sb	121	108707.037	0.463	18.684387	ug/L
	Sb	123	81521.246	0.347	18.291139	ug/L
	Tl	203	137076.148	0.432	19.616309	ug/L
	Tl	205	332119.032	1.047	20.035252	ug/L
	Pb	208	484066.684	1.524	21.563147	ug/L
>	Bi	209	317220.087	317220.087		ug/L

00507

Sample Information

Sample ID: 1002004-02

Autosampler Position: 24

Sample Date/Time: Monday, February 22, 2010 15:19:01

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Number of Replicates: 3

Sample File: C:\Elandata\Sample\0B22027.sam

Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth

Dataset File: C:\Elandata\DataSet\0B22027\1002004-02.024

Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun

Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	353683.952	353683.952				ug/L
	Be	9	6.000	0.000	0.019737	0.012	60.084	ug/L
	V	51	8877.799	0.025	0.812584	0.015	1.896	ug/L
	Cu	63	3887.764	0.015	0.938870	0.018	1.947	ug/L
	Cu	65	1825.251	0.007	0.916500	0.020	2.128	ug/L
	Zn	66	5468.814	0.021	5.164025	0.046	0.886	ug/L
	Zn	68	4229.628	0.016	5.264708	0.055	1.042	ug/L
>	Ge	72	249497.549	249497.549				ug/L
	As	75	645.712	0.002	0.457331	0.011	2.348	ug/L
	Se	77	132.003	0.000	0.037831	0.060	157.479	ug/L
	Se	82	-54.408	0.000	0.043540	0.108	248.738	ug/L
>	Rh	103	302994.433	302994.433				ug/L
	Ag	107	208.005	0.001	0.025239	0.002	7.737	ug/L
	Cd	111	23.514	0.000	0.012601	0.003	24.162	ug/L
	Cd	114	45.606	0.000	0.008764	0.004	47.730	ug/L
>	In	115	238558.542	238558.542				ug/L
	Sb	121	722.711	0.003	0.111741	0.005	4.766	ug/L
	Sb	123	572.984	0.002	0.117303	0.006	5.165	ug/L
	Tl	203	79.001	0.000	0.005606	0.002	38.068	ug/L
	Tl	205	159.670	0.000	0.004394	0.001	27.069	ug/L
	Pb	208	29015.751	0.087	1.235120	0.034	2.735	ug/L
>	Bi	209	326337.609	326337.609				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.692
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.232
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.491
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	97.971

: 00508

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.467

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	356486.680	356486.680		ug/L
Be	9	0.000	0.000	0.028626	ug/L
V	51	8763.286	0.025	0.514746	ug/L
Cu	63	3847.074	0.016	0.943188	ug/L
Cu	65	1624.251	0.007	0.830312	ug/L
Zn	66	5426.114	0.022	5.201223	ug/L
Zn	68	4199.276	0.016	5.307883	ug/L
Ge	72	245807.361	245807.361		ug/L
As	75	643.350	0.002	0.462673	ug/L
Se	77	134.003	0.000	0.078301	ug/L
Se	82	-38.544	0.000	0.188648	ug/L
Rh	103	307066.970	307066.970		ug/L
Ag	107	207.005	0.001	0.024748	ug/L
Cd	111	27.511	0.000	0.014794	ug/L
Cd	114	66.707	0.000	0.013384	ug/L
In	115	238511.478	238511.478		ug/L
Sb	121	749.047	0.003	0.116238	ug/L
Sb	123	803.402	0.003	0.124048	ug/L
Tl	203	81.001	0.000	0.005808	ug/L
Tl	206	142.003	0.000	0.003141	ug/L
Pb	208	28836.744	0.096	1.196486	ug/L
Bi	209	334467.484	334467.484		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	352487.321	352487.321		ug/L
Be	9	3.000	0.000	0.006248	ug/L
V	51	9039.474	0.026	0.826780	ug/L
Cu	63	3830.066	0.016	0.916831	ug/L
Cu	65	1793.243	0.007	0.894180	ug/L
Zn	66	5447.131	0.021	5.112937	ug/L
Zn	68	4288.318	0.016	5.283479	ug/L
Ge	72	250823.780	250823.780		ug/L
As	75	633.146	0.002	0.444866	ug/L
Se	77	126.002	-0.000	-0.030580	ug/L
Se	82	-62.836	-0.000	-0.016089	ug/L
Rh	103	301060.625	301060.625		ug/L
Ag	107	223.006	0.001	0.027381	ug/L
Cd	111	25.636	0.000	0.013884	ug/L
Cd	114	40.842	0.000	0.007673	ug/L
In	115	237220.467	237220.467		ug/L
Sb	121	684.040	0.003	0.105868	ug/L
Sb	123	561.902	0.002	0.115847	ug/L
Tl	203	93.002	0.000	0.007738	ug/L
Tl	206	160.003	0.000	0.004436	ug/L
Pb	208	29167.248	0.099	1.258088	ug/L
Bi	209	321674.871	321674.871		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	352077.848	352077.848		ug/L
Be	9	7.000	0.000	0.024436	ug/L
V	51	8830.664	0.025	0.765212	ug/L
Cu	63	3988.152	0.015	0.954821	ug/L
Cu	65	1858.280	0.007	0.824989	ug/L
Zn	66	5533.188	0.021	5.177913	ug/L
Zn	68	4221.288	0.016	5.202953	ug/L
Ge	72	251781.508	251781.508		ug/L
As	75	660.841	0.002	0.464186	ug/L
Se	77	136.003	0.000	0.086770	ug/L
Se	82	-62.843	0.000	-0.021841	ug/L
Rh	103	300866.703	300866.703		ug/L
Ag	107	194.005	0.001	0.023580	ug/L
Cd	111	17.098	0.000	0.008125	ug/L
Cd	114	30.470	0.000	0.006234	ug/L
In	115	239943.682	239943.682		ug/L
Sb	121	735.046	0.003	0.113124	ug/L
Sb	123	563.649	0.002	0.112316	ug/L
Tl	203	83.001	0.000	0.003471	ug/L
Tl	206	177.004	0.000	0.005507	ug/L
Pb	208	29054.264	0.098	1.248789	ug/L
Bi	209	322880.491	322880.491		ug/L

: 00509

Sample Information

Sample ID: 1002004-03
Autosampler Position: 25
Sample Date/Time: Monday, February 22, 2010 15:22:32
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002004-03.025
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	350260.497	350260.497				ug/L
⌊	Be	9	3.333	0.000	0.007821	0.011	144.925	ug/L
⌈	V	51	3902.708	0.005	0.167697	0.003	2.082	ug/L
|	Cu	63	2697.537	0.010	0.635446	0.025	3.868	ug/L
|	Cu	65	1236.453	0.005	0.603010	0.005	0.875	ug/L
|	Zn	66	2683.864	0.010	2.460926	0.068	2.744	ug/L
|	Zn	68	2226.369	0.008	2.592971	0.029	1.118	ug/L
|>	Ge	72	250766.114	250766.114				ug/L
|	As	75	396.060	0.001	0.265297	0.063	23.643	ug/L
|	Se	77	151.670	0.000	0.229438	0.037	16.160	ug/L
⌊	Se	82	-41.006	0.000	0.141954	0.112	79.120	ug/L
⌈>	Rh	103	296264.933	296264.933				ug/L
|	Ag	107	83.668	0.000	0.009180	0.000	1.645	ug/L
|	Cd	111	8.410	0.000	0.004349	0.002	57.074	ug/L
⌊	Cd	114	33.182	0.000	0.006017	0.003	41.831	ug/L
⌈>	In	115	236041.768	236041.768				ug/L
|	Sb	121	1036.086	0.004	0.166735	0.007	4.367	ug/L
⌊	Sb	123	820.969	0.003	0.174066	0.004	2.185	ug/L
⌈	Tl	203	39.334	0.000	0.000129	0.001	664.678	ug/L
|	Tl	205	97.002	0.000	0.000742	0.000	66.542	ug/L
|	Pb	208	6889.030	0.020	0.277463	0.005	1.884	ug/L
⌊>	Bi	209	324254.120	324254.120				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.746
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	100.741
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.237
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	96.937

: 09519

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.838

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	361362.682	361362.682		ug/L
	Be	9	1.000	0.000	-0.002811	ug/L
	V	51	3863.563	0.008	0.171388	ug/L
	Cu	63	2758.568	0.010	0.646884	ug/L
	Cu	65	1252.122	0.008	0.607716	ug/L
	Zn	66	2636.814	0.010	2.403567	ug/L
	Zn	68	2280.380	0.008	2.821911	ug/L
>	Ge	72	252116.786	252116.786		ug/L
	As	75	302.807	0.001	0.193010	ug/L
	Se	77	152.003	0.000	0.224534	ug/L
	Se	82	-58.733	0.000	0.015581	ug/L
>	Rh	103	297390.643	297390.643		ug/L
	Ag	107	65.001	0.000	0.000316	ug/L
	Cd	111	4.583	0.000	0.002158	ug/L
	Cd	114	21.543	0.000	0.003150	ug/L
>	In	115	238867.886	238867.886		ug/L
	Sb	121	999.080	0.004	0.156336	ug/L
	Sb	123	815.829	0.003	0.170767	ug/L
	Tl	203	33.000	0.000	-0.000868	ug/L
	Tl	205	93.002	0.000	0.000387	ug/L
	Pb	208	6821.378	0.019	0.272823	ug/L
>	Bi	209	330711.936	330711.936		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	346449.624	346449.624		ug/L
	Be	9	3.000	0.000	0.000528	ug/L
	V	51	3892.236	0.008	0.187258	ug/L
	Cu	63	2580.482	0.010	0.607276	ug/L
	Cu	65	1236.119	0.008	0.604012	ug/L
	Zn	66	2661.522	0.010	2.443881	ug/L
	Zn	68	2200.361	0.008	2.563938	ug/L
>	Ge	72	250317.033	250317.033		ug/L
	As	75	448.206	0.002	0.305338	ug/L
	Se	77	148.003	0.000	0.196068	ug/L
	Se	82	-35.664	0.000	0.179884	ug/L
>	Rh	103	294638.933	294638.933		ug/L
	Ag	107	82.001	0.000	0.000617	ug/L
	Cd	111	7.478	0.000	0.003844	ug/L
	Cd	114	40.552	0.000	0.007883	ug/L
>	In	115	235375.386	235375.386		ug/L
	Sb	121	1080.088	0.004	0.171307	ug/L
	Sb	123	814.922	0.003	0.173208	ug/L
	Tl	203	42.001	0.000	0.000877	ug/L
	Tl	205	92.002	0.000	0.000522	ug/L
	Pb	208	6822.364	0.020	0.283178	ug/L
>	Bi	209	319687.647	319687.647		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	353988.979	353988.979		ug/L
	Be	9	6.000	0.000	0.019747	ug/L
	V	51	3883.338	0.008	0.184448	ug/L
	Cu	63	2756.568	0.010	0.652510	ug/L
	Cu	65	1221.117	0.008	0.597303	ug/L
	Zn	66	2781.667	0.011	2.536388	ug/L
	Zn	68	2218.367	0.008	2.583088	ug/L
>	Ge	72	249862.523	249862.523		ug/L
	As	75	437.169	0.002	0.297842	ug/L
	Se	77	155.003	0.000	0.208723	ug/L
	Se	82	28.630	0.000	0.230408	ug/L
>	Rh	103	296766.323	296766.323		ug/L
	Ag	107	84.001	0.000	0.000208	ug/L
	Cd	111	13.157	0.000	0.007046	ug/L
	Cd	114	37.461	0.000	0.007037	ug/L
>	In	115	233892.254	233892.254		ug/L
	Sb	121	1049.088	0.004	0.170561	ug/L
	Sb	123	832.057	0.003	0.178226	ug/L
	Tl	203	43.001	0.000	0.000888	ug/L
	Tl	205	108.002	0.000	0.001308	ug/L
	Pb	208	6823.351	0.020	0.276288	ug/L
>	Bi	209	322362.878	322362.878		ug/L

: 00511

Sample Information

Sample ID: 1002004-04
Autosampler Position: 26
Sample Date/Time: Monday, February 22, 2010 15:26:02
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002004-04.026
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	355119.324	355119.324				ug/L
⌊	Be	9	7.333	0.000	0.025676	0.003	11.017	ug/L
⌈	V	51	8166.106	0.023	0.729919	0.005	0.694	ug/L
|	Cu	63	2119.669	0.008	0.498087	0.021	4.229	ug/L
|	Cu	65	967.075	0.004	0.468958	0.022	4.792	ug/L
|	Zn	66	4554.164	0.018	4.319091	0.060	1.399	ug/L
|	Zn	68	3559.256	0.013	4.417326	0.083	1.883	ug/L
|>	Ge	72	247326.823	247326.823				ug/L
|	As	75	496.989	0.002	0.346782	0.038	10.922	ug/L
|	Se	77	125.669	-0.000	-0.015316	0.106	693.057	ug/L
⌊	Se	82	-38.363	0.000	0.156117	0.172	110.040	ug/L
⌈>	Rh	103	302453.878	302453.878				ug/L
|	Ag	107	79.001	0.000	0.008341	0.001	6.898	ug/L
|	Cd	111	41.018	0.000	0.022367	0.003	14.838	ug/L
⌊	Cd	114	25.202	0.000	0.003941	0.001	19.562	ug/L
⌈>	In	115	234754.246	234754.246				ug/L
|	Sb	121	268.341	0.001	0.035556	0.006	17.105	ug/L
⌊	Sb	123	215.959	0.001	0.039158	0.001	1.720	ug/L
⌈	Tl	203	62.334	0.000	0.003294	0.002	52.261	ug/L
|	Tl	205	156.670	0.000	0.004210	0.000	6.502	ug/L
|	Pb	208	12468.349	0.037	0.517778	0.008	1.581	ug/L
⌊>	Bi	209	326137.368	326137.368				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	98.088
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.360
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	101.310
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	96.409

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.407

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	357668.188	357668.188		ug/L
	Be	9	7.000	0.000	0.023938	ug/L
	V	51	8280.816	0.023	0.731750	ug/L
	Cu	63	2068.316	0.008	0.475246	ug/L
	Cu	65	957.074	0.003	0.457423	ug/L
	Zn	66	4572.509	0.018	4.282667	ug/L
	Zn	68	3538.911	0.013	4.329428	ug/L
>	Ge	72	250370.672	250370.672		ug/L
	As	75	563.240	0.002	0.386304	ug/L
	Se	77	127.002	-0.000	-0.017858	ug/L
	Se	82	-27.779	0.000	0.238988	ug/L
>	Rh	103	303822.088	303822.088		ug/L
	Ag	107	80.001	0.000	0.008418	ug/L
	Cd	111	46.852	0.000	0.025478	ug/L
	Cd	114	26.792	0.000	0.004288	ug/L
>	In	115	235448.841	235448.841		ug/L
	Sb	121	260.007	0.001	0.033980	ug/L
	Sb	123	218.124	0.001	0.039725	ug/L
	Tl	203	61.001	0.000	0.002916	ug/L
	Tl	205	158.003	0.000	0.004140	ug/L
	Pb	208	12531.304	0.038	0.508388	ug/L
>	Bi	209	333504.408	333504.408		ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	352436.873	352436.873		ug/L
	Be	9	8.000	0.000	0.028940	ug/L
	V	51	8125.983	0.023	0.733818	ug/L
	Cu	63	2118.336	0.008	0.502286	ug/L
	Cu	65	932.070	0.003	0.454583	ug/L
	Zn	66	4481.450	0.018	4.286771	ug/L
	Zn	68	3536.811	0.013	4.427765	ug/L
>	Ge	72	245211.387	245211.387		ug/L
	As	75	444.384	0.002	0.309480	ug/L
	Se	77	133.003	0.000	0.061983	ug/L
	Se	82	-84.796	-0.000	-0.041187	ug/L
>	Rh	103	298493.146	298493.146		ug/L
	Ag	107	82.001	0.000	0.008878	ug/L
	Cd	111	41.180	0.000	0.022764	ug/L
	Cd	114	27.111	0.000	0.004479	ug/L
>	In	115	234488.701	234488.701		ug/L
	Sb	121	307.010	0.001	0.042268	ug/L
	Sb	123	218.502	0.001	0.039338	ug/L
	Tl	203	75.001	0.000	0.006173	ug/L
	Tl	205	151.003	0.000	0.003978	ug/L
	Pb	208	12458.408	0.037	0.523470	ug/L
>	Bi	209	322446.529	322446.529		ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	356282.911	356282.911		ug/L
	Be	9	7.000	0.000	0.024149	ug/L
	V	51	8091.608	0.022	0.724192	ug/L
	Cu	63	2186.356	0.008	0.516751	ug/L
	Cu	65	1012.082	0.004	0.494867	ug/L
	Zn	66	4608.532	0.018	4.388847	ug/L
	Zn	68	3803.946	0.014	4.484786	ug/L
>	Ge	72	246398.210	246398.210		ug/L
	As	75	493.332	0.002	0.345863	ug/L
	Se	77	115.002	-0.000	-0.120273	ug/L
	Se	82	22.513	0.000	0.272540	ug/L
>	Rh	103	304946.398	304946.398		ug/L
	Ag	107	75.001	0.000	0.007732	ug/L
	Cd	111	35.022	0.000	0.018871	ug/L
	Cd	114	21.702	0.000	0.003058	ug/L
>	In	115	234324.196	234324.196		ug/L
	Sb	121	238.008	0.001	0.030411	ug/L
	Sb	123	212.250	0.001	0.038413	ug/L
	Tl	203	51.001	0.000	0.001793	ug/L
	Tl	205	160.003	0.000	0.004511	ug/L
	Pb	208	12414.338	0.037	0.521468	ug/L
>	Bi	209	322461.188	322461.188		ug/L

: 00513

Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 22, 2010 15:29:31
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.027
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	348940.181	348940.181				ug/L
⌊	Be	9	7660.850	0.022	35.106285	0.713	2.031	ug/L
⌈	V	51	279922.687	1.141	36.742988	0.875	2.383	ug/L
|	Cu	63	150345.500	0.617	38.826134	0.284	0.731	ug/L
|	Cu	65	72499.131	0.298	39.124573	0.134	0.343	ug/L
|	Zn	66	38806.872	0.159	38.334268	0.702	1.832	ug/L
|	Zn	68	28608.802	0.117	38.571344	0.226	0.585	ug/L
|>	Ge	72	243214.657	243214.657				ug/L
|	As	75	50723.406	0.208	39.705540	0.365	0.918	ug/L
|	Se	77	3822.728	0.015	38.504763	1.476	3.834	ug/L
⌊	Se	82	5031.009	0.021	37.975428	0.396	1.042	ug/L
⌈>	Rh	103	294599.085	294599.085				ug/L
|	Ag	107	284188.615	0.965	38.327450	0.195	0.510	ug/L
|	Cd	111	65220.431	0.221	37.187680	0.545	1.467	ug/L
⌊	Cd	114	154447.036	0.524	37.903258	0.427	1.126	ug/L
⌈>	In	115	237428.312	237428.312				ug/L
|	Sb	121	214346.362	0.903	36.461916	1.200	3.291	ug/L
⌊	Sb	123	164769.787	0.694	36.588365	1.133	3.096	ug/L
⌈	Tl	203	266331.923	0.833	37.818085	0.356	0.942	ug/L
|	Tl	205	646189.671	2.021	38.679124	0.306	0.792	ug/L
|	Pb	208	866474.650	2.708	38.311421	0.097	0.254	ug/L
⌊>	Bi	209	319743.359	319743.359				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.381
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.708
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.679
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.507

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

96.477

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B22027-CCV	Be	9	

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	351264.211	351264.211		ug/L
	Be	9	7578.084	0.022	34.494846	ug/L
	V	51	278846.138	1.128	38.346468	ug/L
	Cu	63	152817.728	0.623	38.146310	ug/L
	Cu	65	72788.613	0.297	39.003776	ug/L
	Zn	66	38351.482	0.160	38.808888	ug/L
	Zn	68	26718.887	0.116	38.484888	ug/L
>	Ge	72	244888.931	244888.931		ug/L
	As	75	50540.686	0.208	39.293204	ug/L
	Se	77	3686.869	0.015	38.817881	ug/L
	Se	82	5048.232	0.021	37.850508	ug/L
>	Rh	103	294298.310	294298.310		ug/L
	Ag	107	263532.469	0.984	38.260881	ug/L
	Cd	111	66494.449	0.223	37.380433	ug/L
	Cd	114	153539.438	0.522	37.717941	ug/L
>	In	115	236784.876	236784.876		ug/L
	Sb	121	208580.643	0.870	35.126078	ug/L
	Sb	123	160488.807	0.669	35.291167	ug/L
	Tl	203	268879.563	0.838	36.083043	ug/L
	Tl	205	650740.181	2.031	38.881661	ug/L
	Pb	208	868986.131	2.711	38.362804	ug/L
>	Bi	209	320314.734	320314.734		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	348129.154	348129.154		ug/L
	Be	9	7808.124	0.022	34.934320	ug/L
	V	51	278031.534	1.122	38.138003	ug/L
	Cu	63	150277.871	0.616	38.717283	ug/L
	Cu	65	72630.114	0.298	39.101012	ug/L
	Zn	66	38093.689	0.156	37.536479	ug/L
	Zn	68	26866.809	0.117	38.831337	ug/L
>	Ge	72	243798.146	243798.146		ug/L
	As	75	51016.860	0.209	39.836446	ug/L
	Se	77	3857.080	0.015	39.758147	ug/L
	Se	82	5102.416	0.021	38.418448	ug/L
>	Rh	103	293430.679	293430.679		ug/L
	Ag	107	264624.804	0.970	38.538678	ug/L
	Cd	111	65703.256	0.224	37.610491	ug/L
	Cd	114	155819.307	0.531	38.381226	ug/L
>	In	115	235752.587	235752.587		ug/L
	Sb	121	214907.158	0.911	36.611019	ug/L
	Sb	123	166389.236	0.706	37.196749	ug/L
	Tl	203	268174.312	0.838	37.967936	ug/L
	Tl	205	646918.588	2.029	38.628881	ug/L
	Pb	208	864331.229	2.713	38.380826	ug/L
>	Bi	209	318373.784	318373.784		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	347427.177	347427.177		ug/L
	Be	9	7798.333	0.022	35.899880	ug/L
	V	51	284800.400	1.172	37.746482	ug/L
	Cu	63	148140.900	0.614	38.612808	ug/L
	Cu	65	72088.788	0.299	39.268929	ug/L
	Zn	66	38875.436	0.161	38.867980	ug/L
	Zn	68	28241.000	0.116	38.427828	ug/L
>	Ge	72	240978.886	240978.886		ug/L
	As	75	50812.644	0.210	39.984970	ug/L
	Se	77	3916.112	0.016	39.837280	ug/L
	Se	82	4942.381	0.021	37.637327	ug/L
>	Rh	103	290088.268	290088.268		ug/L
	Ag	107	264308.573	0.980	38.152782	ug/L
	Cd	111	64463.587	0.218	36.572117	ug/L
	Cd	114	153982.388	0.520	37.600808	ug/L
>	In	115	236747.474	236747.474		ug/L
	Sb	121	219681.284	0.927	37.448852	ug/L
	Sb	123	167460.319	0.707	37.284167	ug/L
	Tl	203	264141.888	0.824	37.413278	ug/L
	Tl	205	641810.247	2.002	38.326888	ug/L
	Pb	208	868126.580	2.700	38.200432	ug/L
>	Bi	209	320641.580	320641.580		ug/L

Sample ID: 0B22027-CCV
Report Date/Time: Monday, February 22, 2010 15:31:18

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 15:37:59
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.028
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	347476.587	347476.587				ug/L
⌊	Be	9	3.000	0.000	0.006460	0.008	123.799	ug/L
⌈	V	51	2337.559	-0.001	-0.026500	0.005	19.920	ug/L
|	Cu	63	168.670	0.000	0.002337	0.002	67.081	ug/L
|	Cu	65	81.335	-0.000	-0.001306	0.005	363.438	ug/L
|	Zn	66	137.336	0.000	0.016615	0.011	65.914	ug/L
|	Zn	68	265.008	0.000	0.013302	0.013	96.487	ug/L
\>	Ge	72	245194.086	245194.086				ug/L
|	As	75	25.946	-0.000	-0.015633	0.056	359.907	ug/L
|	Se	77	121.669	-0.000	-0.045839	0.153	333.869	ug/L
⌊	Se	82	-51.366	0.000	0.057889	0.049	84.129	ug/L
⌈>	Rh	103	296313.210	296313.210				ug/L
|	Ag	107	67.001	0.000	0.006938	0.001	12.127	ug/L
|	Cd	111	1.930	0.000	0.000670	0.001	217.073	ug/L
⌊	Cd	114	12.740	0.000	0.001024	0.001	74.551	ug/L
⌈>	In	115	237943.708	237943.708				ug/L
|	Sb	121	557.361	0.002	0.083971	0.005	6.002	ug/L
⌊	Sb	123	421.763	0.002	0.084099	0.004	4.462	ug/L
⌈	Tl	203	30.000	-0.000	-0.001148	0.001	96.837	ug/L
|	Tl	205	87.001	0.000	0.000203	0.000	179.910	ug/L
|	Pb	208	493.679	-0.000	-0.001381	0.001	82.713	ug/L
⌊>	Bi	209	321099.934	321099.934				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.977
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
\>	Ge	71.922	98.503
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.253
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.718

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

96.887

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	345843.984	345843.984		ug/L
Be	9	4.000	0.000	0.011135	ug/L
V	51	2341.662	-0.001	-0.029478	ug/L
Cu	63	166.004	0.000	0.001163	ug/L
Cu	65	91.001	0.000	0.003342	ug/L
Zn	66	126.002	0.000	0.003893	ug/L
Zn	68	269.006	0.000	0.014581	ug/L
Ge	72	248018.893	248018.893		ug/L
As	75	32.873	-0.000	0.010983	ug/L
Se	77	123.002	-0.000	0.046316	ug/L
Se	82	-44.623	0.000	0.111846	ug/L
Rh	103	298804.470	298804.470		ug/L
Ag	107	75.001	0.000	0.007986	ug/L
Cd	111	3.474	0.000	0.001528	ug/L
Cd	114	11.188	0.000	0.000616	ug/L
In	115	240291.923	240291.923		ug/L
Sb	121	587.031	0.003	0.089744	ug/L
Sb	123	432.514	0.002	0.085588	ug/L
Tl	203	38.000	-0.000	-0.000383	ug/L
Tl	205	62.001	-0.000	0.000180	ug/L
Pb	208	500.012	-0.000	-0.001387	ug/L
Bi	209	325241.073	325241.073		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	347980.643	347980.643		ug/L
Be	9	4.000	0.000	0.011031	ug/L
V	51	2286.504	-0.001	-0.029818	ug/L
Cu	63	166.004	0.000	0.001730	ug/L
Cu	65	81.001	-0.000	-0.001114	ug/L
Zn	66	142.003	0.000	0.022246	ug/L
Zn	68	253.007	-0.000	-0.000129	ug/L
Ge	72	243244.813	243244.813		ug/L
As	75	94.108	0.000	0.037941	ug/L
Se	77	108.002	-0.000	-0.188643	ug/L
Se	82	62.772	0.000	0.044640	ug/L
Rh	103	294364.978	294364.978		ug/L
Ag	107	64.001	0.000	0.006668	ug/L
Cd	111	3.354	0.000	0.001494	ug/L
Cd	114	18.253	0.000	0.001004	ug/L
In	115	237558.761	237558.761		ug/L
Sb	121	543.028	0.002	0.081718	ug/L
Sb	123	433.640	0.002	0.086901	ug/L
Tl	203	33.000	-0.000	-0.000881	ug/L
Tl	205	92.002	0.000	0.000671	ug/L
Pb	208	513.013	-0.000	0.000238	ug/L
Bi	209	316910.799	316910.799		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	348598.128	348598.128		ug/L
Be	9	1.000	0.000	-0.002775	ug/L
V	51	2375.530	-0.001	0.020406	ug/L
Cu	63	175.004	0.000	0.004117	ug/L
Cu	65	72.001	-0.000	-0.008147	ug/L
Zn	66	144.003	0.000	0.023602	ug/L
Zn	68	273.008	0.000	0.025443	ug/L
Ge	72	244318.562	244318.562		ug/L
As	75	49.232	-0.000	-0.074246	ug/L
Se	77	136.003	0.000	0.107442	ug/L
Se	82	-56.702	0.000	0.017183	ug/L
Rh	103	294670.184	294670.184		ug/L
Ag	107	62.001	0.000	0.006319	ug/L
Cd	111	-1.038	-0.000	-0.001010	ug/L
Cd	114	10.778	0.000	0.000667	ug/L
In	115	235980.461	235980.461		ug/L
Sb	121	532.025	0.002	0.080481	ug/L
Sb	123	399.134	0.002	0.079836	ug/L
Tl	203	21.000	-0.000	-0.002420	ug/L
Tl	205	87.001	0.000	0.000199	ug/L
Pb	208	468.011	-0.000	0.002520	ug/L
Bi	209	321147.931	321147.931		ug/L

: 00517

Sample Information

Sample ID: 1002004-05
Autosampler Position: 27
Sample Date/Time: Monday, February 22, 2010 15:41:56
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002004-05.029
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	352840.478	352840.478				ug/L
	Be	9	3.667	0.000	0.009289	0.007	75.451	ug/L
	V	51	7927.742	0.021	0.682052	0.012	1.743	ug/L
	Cu	63	1787.575	0.006	0.406100	0.008	1.863	ug/L
	Cu	65	860.727	0.003	0.404954	0.005	1.275	ug/L
	Zn	66	2699.204	0.010	2.468763	0.039	1.572	ug/L
	Zn	68	2188.024	0.008	2.534852	0.021	0.816	ug/L
>	Ge	72	251426.725	251426.725				ug/L
	As	75	618.471	0.002	0.432776	0.037	8.604	ug/L
	Se	77	130.336	0.000	0.010574	0.038	357.650	ug/L
	Se	82	-69.796	-0.000	-0.065724	0.123	186.452	ug/L
>	Rh	103	304475.273	304475.273				ug/L
	Ag	107	84.668	0.000	0.009007	0.001	9.159	ug/L
	Cd	111	18.634	0.000	0.009855	0.005	53.935	ug/L
	Cd	114	18.864	0.000	0.002394	0.002	85.759	ug/L
>	In	115	241880.726	241880.726				ug/L
	Sb	121	684.040	0.003	0.103609	0.003	3.152	ug/L
	Sb	123	517.481	0.002	0.103453	0.005	4.802	ug/L
	Tl	203	39.334	0.000	0.000014	0.001	7920.424	ug/L
	Tl	205	106.669	0.000	0.001164	0.001	59.652	ug/L
	Pb	208	6163.094	0.017	0.240295	0.014	5.951	ug/L
>	Bi	209	331379.834	331379.834				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.459
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	101.007
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.987
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	99.335

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.989

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	351822.722	351822.722		ug/L
Be	9	5.000	0.000	0.015386	ug/L
V	51	7974.132	0.021	0.692010	ug/L
Cu	63	1747.231	0.006	0.387752	ug/L
Cu	65	847.068	0.003	0.398662	ug/L
Zn	66	2717.544	0.010	2.495807	ug/L
Zn	68	2184.366	0.008	2.541361	ug/L
Ge	72	250440.242	250440.242		ug/L
As	75	573.988	0.002	0.400881	ug/L
Se	77	130.002	0.000	0.012320	ug/L
Se	82	81.988	-0.000	-0.156728	ug/L
Rh	103	303723.918	303723.918		ug/L
Ag	107	80.001	0.000	0.008426	ug/L
Cd	111	10.483	0.000	0.006378	ug/L
Cd	114	28.224	0.000	0.004155	ug/L
In	115	242504.147	242504.147		ug/L
Sb	121	708.043	0.003	0.107320	ug/L
Sb	123	544.774	0.002	0.109102	ug/L
Tl	203	35.000	0.000	0.000784	ug/L
Tl	205	122.002	0.000	0.001780	ug/L
Pb	208	6051.056	0.016	0.224877	ug/L
Bi	209	345138.080	345138.080		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	358019.214	358019.214		ug/L
Be	9	2.000	0.000	0.001622	ug/L
V	51	7824.844	0.021	0.688888	ug/L
Cu	63	1786.244	0.006	0.408050	ug/L
Cu	65	870.052	0.003	0.409862	ug/L
Zn	66	2718.644	0.010	2.485380	ug/L
Zn	68	2170.351	0.008	2.511690	ug/L
Ge	72	251419.776	251419.776		ug/L
As	75	606.426	0.002	0.423756	ug/L
Se	77	134.003	0.000	0.047486	ug/L
Se	82	-76.702	-0.000	-0.115283	ug/L
Rh	103	304879.837	304879.837		ug/L
Ag	107	82.001	0.000	0.008648	ug/L
Cd	111	16.112	0.000	0.008458	ug/L
Cd	114	20.978	0.000	0.002887	ug/L
In	115	242477.641	242477.641		ug/L
Sb	121	678.038	0.003	0.102336	ug/L
Sb	123	501.771	0.002	0.099764	ug/L
Tl	203	48.001	0.000	0.001292	ug/L
Tl	205	92.002	0.000	0.000412	ug/L
Pb	208	6136.086	0.017	0.242886	ug/L
Bi	209	328243.270	328243.270		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	350879.500	350879.500		ug/L
Be	9	4.000	0.000	0.010880	ug/L
V	51	7984.251	0.021	0.685257	ug/L
Cu	63	1820.250	0.007	0.412500	ug/L
Cu	65	865.081	0.003	0.406447	ug/L
Zn	66	2663.525	0.010	2.424423	ug/L
Zn	68	2209.364	0.008	2.551504	ug/L
Ge	72	252420.157	252420.157		ug/L
As	75	674.990	0.002	0.473662	ug/L
Se	77	127.002	0.000	0.029088	ug/L
Se	82	50.702	0.000	0.073637	ug/L
Rh	103	304822.264	304822.264		ug/L
Ag	107	92.002	0.000	0.009861	ug/L
Cd	111	29.308	0.000	0.015730	ug/L
Cd	114	9.388	0.000	0.000138	ug/L
In	115	240880.380	240880.380		ug/L
Sb	121	686.038	0.003	0.101173	ug/L
Sb	123	505.887	0.002	0.101462	ug/L
Tl	203	35.000	0.000	0.000466	ug/L
Tl	205	108.002	0.000	0.001300	ug/L
Pb	208	6303.132	0.018	0.253122	ug/L
Bi	209	322758.143	322758.143		ug/L

: 00519

Sample Information

Sample ID: 1002004-06
Autosampler Position: 28
Sample Date/Time: Monday, February 22, 2010 15:45:25
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002004-06.030
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	353264.972	353264.972				ug/L
⌊	Be	9	22.334	0.000	0.093629	0.034	35.815	ug/L
⌈	V	51	27510.330	0.101	3.252725	0.064	1.981	ug/L
|	Cu	63	8550.868	0.034	2.135157	0.029	1.353	ug/L
|	Cu	65	4181.933	0.017	2.179222	0.057	2.598	ug/L
|	Zn	66	9370.236	0.037	9.020867	0.144	1.600	ug/L
|	Zn	68	7421.595	0.029	9.593287	0.098	1.021	ug/L
|>	Ge	72	247081.928	247081.928				ug/L
|	As	75	2270.186	0.009	1.714725	0.112	6.549	ug/L
|	Se	77	134.336	0.000	0.074584	0.041	54.387	ug/L
⌊	Se	82	-44.418	0.000	0.111513	0.327	293.373	ug/L
⌈>	Rh	103	299470.520	299470.520				ug/L
|	Ag	107	94.335	0.000	0.010490	0.002	17.236	ug/L
|	Cd	111	57.846	0.000	0.032112	0.010	32.123	ug/L
⌊	Cd	114	89.867	0.000	0.019615	0.002	8.340	ug/L
⌈>	In	115	240021.213	240021.213				ug/L
|	Sb	121	590.030	0.002	0.088657	0.005	5.718	ug/L
⌊	Sb	123	477.727	0.002	0.095576	0.006	6.209	ug/L
⌈	Tl	203	187.338	0.000	0.020672	0.001	5.523	ug/L
|	Tl	205	444.018	0.001	0.021071	0.000	0.502	ug/L
|	Pb	208	87652.076	0.267	3.780712	0.125	3.315	ug/L
⌊>	Bi	209	326189.837	326189.837				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.576
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.261
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.311
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.572

: 00520

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.423

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	356129.516	356129.516		ug/L
	Be	9	22.000	0.000	0.081712	ug/L
	V	51	27345.284	0.100	3.222238	ug/L
	Cu	63	8449.074	0.033	2.102749	ug/L
	Cu	65	4077.704	0.016	2.117637	ug/L
	Zn	66	9253.082	0.037	8.883480	ug/L
	Zn	68	7480.886	0.029	8.620843	ug/L
>	Ge	72	247708.388	247708.388		ug/L
	As	75	2304.523	0.009	1.736897	ug/L
	Se	77	132.003	0.000	0.047282	ug/L
	Se	82	28.716	0.000	0.242818	ug/L
>	Rh	103	304081.671	304081.671		ug/L
	Ag	107	61.001	0.000	0.008643	ug/L
	Cd	111	39.367	0.000	0.021321	ug/L
	Cd	114	87.125	0.000	0.018828	ug/L
>	In	115	241849.700	241849.700		ug/L
	Sb	121	614.033	0.002	0.091938	ug/L
	Sb	123	512.023	0.002	0.102282	ug/L
	Tl	203	202.008	0.000	0.021751	ug/L
	Tl	205	458.019	0.001	0.020864	ug/L
	Pb	208	87538.143	0.257	3.640728	ug/L
>	Bi	209	337973.328	337973.328		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	350427.574	350427.574		ug/L
	Be	9	15.000	0.000	0.081088	ug/L
	V	51	28102.186	0.103	3.326756	ug/L
	Cu	63	8586.254	0.034	2.144614	ug/L
	Cu	65	4206.280	0.017	2.180133	ug/L
	Zn	66	9366.229	0.037	9.007807	ug/L
	Zn	68	7346.880	0.029	9.464611	ug/L
>	Ge	72	247295.440	247295.440		ug/L
	As	75	2401.117	0.010	1.814285	ug/L
	Se	77	139.003	0.000	0.121193	ug/L
	Se	82	-11.881	0.000	0.352772	ug/L
>	Rh	103	297482.688	297482.688		ug/L
	Ag	107	106.002	0.000	0.012117	ug/L
	Cd	111	59.438	0.000	0.033141	ug/L
	Cd	114	97.071	0.000	0.021504	ug/L
>	In	115	239986.688	239986.688		ug/L
	Sb	121	805.032	0.002	0.091214	ug/L
	Sb	123	458.787	0.002	0.091008	ug/L
	Tl	203	176.004	0.000	0.019478	ug/L
	Tl	205	438.018	0.001	0.021158	ug/L
	Pb	208	87293.316	0.270	3.818872	ug/L
>	Bi	209	321408.288	321408.288		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	354237.828	354237.828		ug/L
	Be	9	30.000	0.000	0.128078	ug/L
	V	51	27083.671	0.100	3.208179	ug/L
	Cu	63	8612.275	0.034	2.158210	ug/L
	Cu	65	4262.314	0.017	2.229588	ug/L
	Zn	66	9482.398	0.038	9.171309	ug/L
	Zn	68	7458.985	0.029	9.674607	ug/L
>	Ge	72	246241.956	246241.956		ug/L
	As	75	2104.918	0.008	1.582994	ug/L
	Se	77	132.003	0.000	0.056298	ug/L
	Se	82	94.878	-0.000	-0.260853	ug/L
>	Rh	103	296837.221	296837.221		ug/L
	Ag	107	98.002	0.000	0.010810	ug/L
	Cd	111	74.742	0.000	0.041875	ug/L
	Cd	114	85.406	0.000	0.018715	ug/L
>	In	115	238217.241	238217.241		ug/L
	Sb	121	561.027	0.002	0.083818	ug/L
	Sb	123	464.380	0.002	0.093441	ug/L
	Tl	203	184.004	0.000	0.020788	ug/L
	Tl	205	435.018	0.001	0.021101	ug/L
	Pb	208	88126.779	0.274	3.862538	ug/L
>	Bi	209	319187.926	319187.926		ug/L

00521

Sample Information

Sample ID: 1002004-07
Autosampler Position: 29
Sample Date/Time: Monday, February 22, 2010 15:48:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002004-07.031
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	351816.553	351816.553				ug/L
⌊	Be	9	1.000	-0.000	-0.002816	0.000	1.969	ug/L
⌈	V	51	3871.304	0.005	0.164510	0.010	6.276	ug/L
|	Cu	63	832.390	0.003	0.168142	0.004	2.650	ug/L
|	Cu	65	365.680	0.001	0.147050	0.002	1.151	ug/L
|	Zn	66	1334.471	0.005	1.166109	0.023	2.003	ug/L
|	Zn	68	1175.108	0.004	1.208551	0.007	0.584	ug/L
|>	Ge	72	250365.104	250365.104				ug/L
|	As	75	255.474	0.001	0.158596	0.009	5.754	ug/L
|	Se	77	125.669	-0.000	-0.031168	0.136	436.552	ug/L
⌊	Se	82	-82.175	-0.000	-0.156945	0.139	88.513	ug/L
⌈>	Rh	103	302486.030	302486.030				ug/L
|	Ag	107	54.667	0.000	0.005141	0.001	13.259	ug/L
|	Cd	111	3.272	0.000	0.001397	0.001	57.546	ug/L
⌊	Cd	114	10.199	0.000	0.000352	0.001	368.976	ug/L
⌈>	In	115	242388.244	242388.244				ug/L
|	Sb	121	391.348	0.001	0.054588	0.007	12.449	ug/L
⌊	Sb	123	292.797	0.001	0.054341	0.002	3.441	ug/L
⌈	Tl	203	29.334	-0.000	-0.001333	0.001	89.538	ug/L
|	Tl	205	70.334	-0.000	-0.000899	0.000	29.830	ug/L
|	Pb	208	1093.377	0.002	0.023830	0.003	11.172	ug/L
⌊>	Bi	209	329551.337	329551.337				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.176
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	100.580
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	101.321
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.544

: 00522

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.437

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	352971.372	352971.372		ug/L
	Be	9	1.000	-0.000	-0.002831	ug/L
	V	51	3810.466	0.006	0.153388	ug/L
	Cu	63	622.068	0.003	0.184152	ug/L
	Cu	65	368.013	0.001	0.148886	ug/L
	Zn	66	1324.136	0.006	1.147873	ug/L
	Zn	68	1188.111	0.004	1.216580	ug/L
>	Ge	72	252048.389	252048.389		ug/L
	As	75	258.180	0.001	0.157822	ug/L
	Se	77	126.002	-0.000	-0.038258	ug/L
	Se	82	-93.805	-0.000	-0.237036	ug/L
>	Rh	103	301673.701	301673.701		ug/L
	Ag	107	56.001	0.000	0.005730	ug/L
	Cd	111	2.709	0.000	0.000811	ug/L
	Cd	114	11.569	0.000	0.000892	ug/L
>	In	115	243324.787	243324.787		ug/L
	Sb	121	438.018	0.002	0.082282	ug/L
	Sb	123	303.758	0.001	0.056476	ug/L
	Tl	203	22.000	-0.000	-0.002386	ug/L
	Tl	205	72.001	-0.000	-0.000886	ug/L
	Pb	208	1078.041	0.002	0.022494	ug/L
>	Bi	209	333597.613	333597.613		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	347087.231	347087.231		ug/L
	Be	9	1.000	-0.000	-0.002756	ug/L
	V	51	3878.373	0.006	0.156410	ug/L
	Cu	63	627.066	0.003	0.187329	ug/L
	Cu	65	368.013	0.001	0.148774	ug/L
	Zn	66	1323.136	0.006	1.158414	ug/L
	Zn	68	1168.107	0.004	1.203309	ug/L
>	Ge	72	249720.889	249720.889		ug/L
	As	75	243.407	0.001	0.149882	ug/L
	Se	77	139.003	0.000	0.107370	ug/L
	Se	82	-92.870	-0.000	-0.237283	ug/L
>	Rh	103	303229.562	303229.562		ug/L
	Ag	107	56.001	0.000	0.005297	ug/L
	Cd	111	2.883	0.000	0.001087	ug/L
	Cd	114	4.217	0.000	-0.001082	ug/L
>	In	115	242988.508	242988.508		ug/L
	Sb	121	360.013	0.001	0.049334	ug/L
	Sb	123	269.376	0.001	0.053656	ug/L
	Tl	203	28.000	-0.000	-0.001586	ug/L
	Tl	205	68.001	-0.000	-0.001188	ug/L
	Pb	208	1063.042	0.002	0.022101	ug/L
>	Bi	209	332431.068	332431.068		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	355381.087	355381.087		ug/L
	Be	9	1.000	-0.000	-0.002852	ug/L
	V	51	3927.071	0.006	0.173752	ug/L
	Cu	63	648.068	0.003	0.172980	ug/L
	Cu	65	381.013	0.001	0.145382	ug/L
	Zn	66	1356.142	0.006	1.192341	ug/L
	Zn	68	1168.107	0.004	1.205763	ug/L
>	Ge	72	249329.224	249329.224		ug/L
	As	75	266.837	0.001	0.168083	ug/L
	Se	77	112.002	-0.000	0.154616	ug/L
	Se	82	-58.749	0.000	0.003462	ug/L
>	Rh	103	302564.828	302564.828		ug/L
	Ag	107	49.001	0.000	0.004394	ug/L
	Cd	111	4.923	0.000	0.002314	ug/L
	Cd	114	14.781	0.000	0.001446	ug/L
>	In	115	241271.438	241271.438		ug/L
	Sb	121	375.014	0.001	0.052167	ug/L
	Sb	123	285.253	0.001	0.062992	ug/L
	Tl	203	36.000	-0.000	-0.000041	ug/L
	Tl	205	73.001	-0.000	0.000866	ug/L
	Pb	208	1141.046	0.002	0.026886	ug/L
>	Bi	209	322625.339	322625.339		ug/L

Sample ID: 1002004-07
Report Date/Time: Monday, February 22, 2010 15:50:40

Sample Information

Sample ID: 1002004-08
Autosampler Position: 30
Sample Date/Time: Monday, February 22, 2010 15:52:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002004-08.032
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	350861.458	350861.458				ug/L
⌊	Be	9	4.333	0.000	0.012388	0.007	56.127	ug/L
⌈	V	51	6178.068	0.014	0.465980	0.014	2.898	ug/L
|	Cu	63	5260.323	0.020	1.288119	0.042	3.296	ug/L
|	Cu	65	2421.768	0.009	1.233693	0.022	1.755	ug/L
|	Zn	66	3593.273	0.014	3.360736	0.041	1.214	ug/L
|	Zn	68	2792.907	0.010	3.368156	0.018	0.528	ug/L
|>	Ge	72	248894.322	248894.322				ug/L
|	As	75	918.553	0.004	0.667523	0.041	6.145	ug/L
|	Se	77	136.336	0.000	0.085259	0.109	127.569	ug/L
⌊	Se	82	-50.001	0.000	0.073277	0.170	231.640	ug/L
⌈>	Rh	103	300482.198	300482.198				ug/L
|	Ag	107	45.334	0.000	0.003953	0.001	14.632	ug/L
|	Cd	111	15.455	0.000	0.008237	0.007	85.833	ug/L
⌊	Cd	114	21.571	0.000	0.003102	0.001	46.188	ug/L
⌈>	In	115	242893.282	242893.282				ug/L
|	Sb	121	1398.151	0.005	0.221878	0.005	2.353	ug/L
⌊	Sb	123	1091.922	0.004	0.227698	0.007	2.976	ug/L
⌈	Tl	203	46.001	0.000	0.000981	0.001	140.371	ug/L
|	Tl	205	115.335	0.000	0.001747	0.001	28.661	ug/L
|	Pb	208	23217.999	0.069	0.978157	0.024	2.456	ug/L
⌊>	Bi	209	328087.777	328087.777				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.912
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.990
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.650
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.751

: 00524

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.995

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	351039.569	351039.569		ug/L
	Be	9	3.000	0.000	0.006306	ug/L
	V	51	6131.562	0.014	0.461986	ug/L
	Cu	63	5249.881	0.020	1.268827	ug/L
	Cu	65	2381.421	0.009	1.215847	ug/L
	Zn	66	3580.933	0.014	3.336322	ug/L
	Zn	68	2770.586	0.010	3.348109	ug/L
>	Ge	72	248246.804	248246.804		ug/L
	As	75	932.708	0.004	0.680077	ug/L
	Se	77	135.003	0.000	0.074638	ug/L
	Se	82	-45.676	0.000	0.104433	ug/L
>	Rh	103	300899.631	300899.631		ug/L
	Ag	107	41.001	0.000	0.003374	ug/L
	Cd	111	2.012	0.000	0.000704	ug/L
	Cd	114	29.488	0.000	0.004753	ug/L
>	In	115	242340.681	242340.681		ug/L
	Sb	121	1418.184	0.006	0.225381	ug/L
	Sb	123	1128.348	0.004	0.236498	ug/L
	Tl	203	54.001	0.000	0.002026	ug/L
	Tl	205	114.002	0.000	0.001612	ug/L
	Pb	206	23046.882	0.088	0.962803	ug/L
>	Bi	209	330738.013	330738.013		ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	351099.396	351099.396		ug/L
	Be	9	6.000	0.000	0.019868	ug/L
	V	51	6272.110	0.015	0.481030	ug/L
	Cu	63	5408.101	0.021	1.330230	ug/L
	Cu	65	2466.446	0.010	1.257686	ug/L
	Zn	66	3629.868	0.014	3.407822	ug/L
	Zn	68	2787.572	0.010	3.374413	ug/L
>	Ge	72	248003.387	248003.387		ug/L
	As	75	958.783	0.004	0.700798	ug/L
	Se	77	147.003	0.000	0.108815	ug/L
	Se	82	-74.922	0.000	-0.109882	ug/L
>	Rh	103	302329.412	302329.412		ug/L
	Ag	107	50.001	0.000	0.004531	ug/L
	Cd	111	17.453	0.000	0.006278	ug/L
	Cd	114	17.838	0.000	0.002178	ug/L
>	In	115	245008.984	245008.984		ug/L
	Sb	121	1426.157	0.006	0.224507	ug/L
	Sb	123	1080.980	0.004	0.223289	ug/L
	Tl	203	35.000	0.000	-0.000680	ug/L
	Tl	205	109.002	0.000	0.001329	ug/L
	Pb	206	23108.822	0.088	0.988049	ug/L
>	Bi	209	330448.135	330448.135		ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	350448.419	350448.419		ug/L
	Be	9	4.000	0.000	0.010882	ug/L
	V	51	6130.532	0.014	0.454917	ug/L
	Cu	63	5122.868	0.020	1.245308	ug/L
	Cu	65	2425.436	0.009	1.227737	ug/L
	Zn	66	3588.938	0.014	3.338084	ug/L
	Zn	68	2820.586	0.010	3.381948	ug/L
>	Ge	72	250432.994	250432.994		ug/L
	As	75	864.188	0.003	0.621882	ug/L
	Se	77	127.002	-0.000	0.017976	ug/L
	Se	82	-29.403	0.000	0.225269	ug/L
>	Rh	103	298251.361	298251.361		ug/L
	Ag	107	45.001	0.000	0.003864	ug/L
	Cd	111	26.998	0.000	0.014729	ug/L
	Cd	114	18.410	0.000	0.002375	ug/L
>	In	115	241332.262	241332.262		ug/L
	Sb	121	1353.142	0.006	0.215857	ug/L
	Sb	123	1068.481	0.004	0.224312	ug/L
	Tl	203	49.001	0.000	0.001498	ug/L
	Tl	205	123.002	0.000	0.002301	ug/L
	Pb	206	23300.381	0.071	1.005829	ug/L
>	Bi	209	323079.182	323079.182		ug/L

: 00525

Sample Information

Sample ID: 1000901-MS4
Autosampler Position: 31
Sample Date/Time: Monday, February 22, 2010 15:55:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1000901-MS4.033
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	353219.299	353219.299				ug/L
⌊	Be	9	3683.320	0.010	16.670399	0.282	1.693	ug/L
⌈	V	51	146187.882	0.578	18.626211	0.348	1.870	ug/L
|	Cu	63	75766.823	0.304	19.140775	0.107	0.557	ug/L
|	Cu	65	36221.977	0.146	19.119211	0.208	1.087	ug/L
|	Zn	66	19075.628	0.076	18.390632	0.046	0.252	ug/L
|	Zn	68	14138.456	0.056	18.489606	0.330	1.786	ug/L
|>	Ge	72	248361.850	248361.850				ug/L
|	As	75	23594.450	0.095	18.066434	0.186	1.032	ug/L
|	Se	77	1773.905	0.007	16.784531	0.786	4.684	ug/L
⌊	Se	82	2156.024	0.009	16.191879	0.250	1.547	ug/L
⌈>	Rh	103	299728.170	299728.170				ug/L
|	Ag	107	133695.131	0.446	17.719218	0.199	1.124	ug/L
|	Cd	111	30704.280	0.102	17.208697	0.248	1.440	ug/L
⌊	Cd	114	70878.088	0.236	17.097088	0.217	1.272	ug/L
⌈>	In	115	239175.218	239175.218				ug/L
|	Sb	121	107979.503	0.451	18.228177	0.365	2.004	ug/L
⌊	Sb	123	82929.293	0.347	18.274605	0.258	1.411	ug/L
⌈	Tl	203	127833.726	0.391	17.740976	0.310	1.745	ug/L
|	Tl	205	309141.659	0.945	18.084929	0.238	1.314	ug/L
|	Pb	208	425336.816	1.299	18.370442	0.146	0.797	ug/L
⌊>	Bi	209	327133.857	327133.857				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.563
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.776
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.397
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.224

: 00526

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.707

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	354346 228	354346 228		ug/L
	Be	9	3654 971	0 010	16 493232	ug/L
	V	51	146259 736	0 576	16 623347	ug/L
	Cu	63	78027 224	0 308	19 194618	ug/L
	Cu	65	36307 404	0.146	19.152233	ug/L
	Zn	66	19038 529	0 079	18 343089	ug/L
	Zn	68	13868 583	0 056	18.114434	ug/L
>	Ge	72	248516 761	248516 761		ug/L
	As	75	23333.112	0 094	17 854670	ug/L
	Se	77	1724 225	0 008	16 268241	ug/L
	Se	82	2188 680	0 009	16 427743	ug/L
>	Rh	103	295854 647	295854 647		ug/L
	Ag	107	130218 513	0 440	17 497748	ug/L
	Cd	111	30787 532	0 104	17 480803	ug/L
	Cd	114	70910 244	0 240	17 338612	ug/L
>	In	115	242048 868	242048 868		ug/L
	Sb	121	107330 440	0 443	17 900742	ug/L
	Sb	123	82630 773	0 341	17 980806	ug/L
	Tl	203	126833 418	0 383	17 391982	ug/L
	Tl	206	308318 536	0.931	17 822075	ug/L
	Pb	208	426534 288	1 287	16 202914	ug/L
>	Bi	209	331043.784	331043 784		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	351387 536	351387 536		ug/L
	Be	9	3736 014	0 011	16 866836	ug/L
	V	51	146611.992	0 589	16 975988	ug/L
	Cu	63	75141 921	0 302	19 017978	ug/L
	Cu	65	36512 447	0 147	18 308527	ug/L
	Zn	66	19086 668	0 077	18 436666	ug/L
	Zn	68	14297.438	0 057	16 738640	ug/L
>	Ge	72	247901 936	247901.936		ug/L
	As	75	23732.114	0 096	18 205732	ug/L
	Se	77	1868 261	0 007	17 688117	ug/L
	Se	82	2156 736	0 009	16 218918	ug/L
>	Rh	103	304608.156	304608.156		ug/L
	Ag	107	137073 090	0 450	17 883788	ug/L
	Cd	111	30867 011	0 101	17 026398	ug/L
	Cd	114	71256 728	0 234	16 916771	ug/L
>	In	115	238749 018	238749.018		ug/L
	Sb	121	107408 602	0 460	18 161526	ug/L
	Sb	123	83082 474	0 348	18 338146	ug/L
	Tl	203	126206 668	0 393	17 848207	ug/L
	Tl	205	311572 420	0 956	18 284811	ug/L
	Pb	208	429472 880	1 303	16 434631	ug/L
>	Bi	209	326082.156	326082.156		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	354014 133	354014 133		ug/L
	Be	9	3668.974	0 010	16 622129	ug/L
	V	51	143691.920	0 587	16 279287	ug/L
	Cu	63	78131 326	0 308	19 206530	ug/L
	Cu	65	35846 078	0 144	18 098873	ug/L
	Zn	66	19101 698	0 076	18 393157	ug/L
	Zn	68	14253 347	0 056	16 617856	ug/L
>	Ge	72	248668 853	248668 853		ug/L
	As	75	23718 124	0 096	18.136888	ug/L
	Se	77	1738 229	0 008	16 398235	ug/L
	Se	82	2122 687	0 009	15 928974	ug/L
>	Rh	103	299024 706	299024 706		ug/L
	Ag	107	133785 780	0 447	17 776120	ug/L
	Cd	111	30468 297	0 102	17 108832	ug/L
	Cd	114	70467 294	0 238	17 035481	ug/L
>	In	115	238727 778	238727 778		ug/L
	Sb	121	106199 468	0 461	16 622262	ug/L
	Sb	123	83074 639	0 351	18 494083	ug/L
	Tl	203	128466.101	0 386	17 982738	ug/L
	Tl	205	307537 021	0 948	18 146201	ug/L
	Pb	208	424013 213	1 308	18 473780	ug/L
>	Bi	209	324275 821	324275 821		ug/L

00527

Sample Information

Sample ID: 1000901-MSD4

Autosampler Position: 32
Sample Date/Time: Monday, February 22, 2010 15:59:19
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1000901-MSD4.034
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	353382.710	353382.710				ug/L
⌊	Be	9	3947.798	0.011	17.857473	0.700	3.921	ug/L
⌈	V	51	155975.860	0.619	19.922376	0.511	2.566	ug/L
|	Cu	63	79381.599	0.319	20.079226	0.298	1.482	ug/L
|	Cu	65	38345.034	0.154	20.267345	0.072	0.354	ug/L
|	Zn	66	19907.574	0.080	19.221010	0.244	1.267	ug/L
|	Zn	68	14646.147	0.058	19.190908	0.266	1.384	ug/L
|>	Ge	72	248058.097	248058.097				ug/L
|	As	75	25044.638	0.101	19.202990	0.103	0.535	ug/L
|	Se	77	1903.606	0.007	18.127341	0.430	2.372	ug/L
⌊	Se	82	2267.416	0.009	17.026805	0.137	0.805	ug/L
⌈>	Rh	103	297690.306	297690.306				ug/L
|	Ag	107	144466.713	0.485	19.280879	0.364	1.886	ug/L
|	Cd	111	32312.854	0.109	18.232862	0.329	1.806	ug/L
⌊	Cd	114	75074.777	0.252	18.232158	0.164	0.897	ug/L
⌈>	In	115	241285.965	241285.965				ug/L
|	Sb	121	114326.552	0.474	19.129471	0.299	1.562	ug/L
⌊	Sb	123	87864.025	0.364	19.191583	0.151	0.787	ug/L
⌈	Tl	203	136980.397	0.418	18.985300	0.691	3.639	ug/L
|	Tl	205	329506.618	1.006	19.251642	0.708	3.676	ug/L
|	Pb	208	449266.255	1.370	19.376369	0.488	2.518	ug/L
⌊>	Bi	209	327758.888	327758.888				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.608
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.654
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.714
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.091

: 00528

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.896

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	352259.481	352258.481		ug/L
Be	9	3862.082	0.011	17.528584	ug/L
V	51	158846.742	0.618	19.816342	ug/L
Cu	63	79983.225	0.320	20.105697	ug/L
Cu	65	38435.816	0.154	20.184803	ug/L
Zn	66	20309.034	0.081	19.488014	ug/L
Zn	68	14716.291	0.058	19.157338	ug/L
Ge	72	249868.672	249868.672		ug/L
As	75	29089.848	0.100	19.090827	ug/L
Se	77	1842.283	0.007	18.397584	ug/L
Se	82	2267.847	0.009	18.921343	ug/L
Rh	103	298488.846	298488.846		ug/L
Ag	107	142375.388	0.478	18.873111	ug/L
Cd	111	31838.181	0.106	17.856376	ug/L
Cd	114	74784.338	0.250	18.061341	ug/L
In	115	242541.622	242541.622		ug/L
Sb	121	113544.476	0.466	18.866247	ug/L
Sb	123	87524.676	0.361	19.018003	ug/L
Tl	203	135883.291	0.461	18.228812	ug/L
Tl	205	328863.476	0.983	19.436686	ug/L
Pb	208	450888.412	1.336	18.815147	ug/L
Bi	209	338337.988	338337.988		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	354581.256	354581.256		ug/L
Be	9	4139.240	0.012	18.661837	ug/L
V	51	158368.006	0.634	20.437023	ug/L
Cu	63	77372.568	0.314	19.768328	ug/L
Cu	65	38033.388	0.156	20.306319	ug/L
Zn	66	19858.213	0.080	19.172946	ug/L
Zn	68	14708.277	0.058	19.471789	ug/L
Ge	72	245679.726	245679.726		ug/L
As	75	24909.848	0.101	19.282043	ug/L
Se	77	1838.254	0.007	17.631482	ug/L
Se	82	2268.648	0.009	17.181828	ug/L
Rh	103	298888.228	298888.228		ug/L
Ag	107	147288.836	0.493	19.571381	ug/L
Cd	111	32879.086	0.110	18.467537	ug/L
Cd	114	75583.662	0.253	18.275282	ug/L
In	115	241132.208	241132.208		ug/L
Sb	121	113617.628	0.471	19.022028	ug/L
Sb	123	88138.836	0.366	19.263446	ug/L
Tl	203	136806.828	0.422	19.144238	ug/L
Tl	205	332887.608	1.025	19.622745	ug/L
Pb	208	450848.023	1.387	19.613700	ug/L
Bi	209	324638.474	324638.474		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	353307.381	353307.381		ug/L
Be	9	3842.071	0.011	17.383897	ug/L
V	51	152822.639	0.603	19.414783	ug/L
Cu	63	80779.002	0.324	20.362848	ug/L
Cu	65	38648.219	0.156	20.312213	ug/L
Zn	66	19754.478	0.079	19.008071	ug/L
Zn	68	14612.674	0.057	18.943668	ug/L
Ge	72	248835.981	248835.981		ug/L
As	75	25184.534	0.101	19.228400	ug/L
Se	77	1932.281	0.007	18.352988	ug/L
Se	82	2268.753	0.009	16.977247	ug/L
Rh	103	294588.848	294588.848		ug/L
Ag	107	143838.208	0.488	19.398186	ug/L
Cd	111	32228.286	0.109	18.374672	ug/L
Cd	114	74868.331	0.254	18.388853	ug/L
In	115	240184.089	240184.089		ug/L
Sb	121	115817.587	0.482	19.467137	ug/L
Sb	123	87828.282	0.366	19.283300	ug/L
Tl	203	138171.971	0.431	19.582881	ug/L
Tl	205	329878.772	1.029	19.696686	ug/L
Pb	208	446588.331	1.393	19.700280	ug/L
Bi	209	320302.190	320302.190		ug/L

: 00529

Sample Information

Sample ID: 0B22027-SRD2
Autosampler Position: 33
Sample Date/Time: Monday, February 22, 2010 16:02:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-SRD2.035
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	345394.058	345394.058				ug/L
⌊	Be	9	2.667	0.000	0.004978	0.005	106.765	ug/L
⌈	V	51	3030.615	0.002	0.060702	0.005	7.833	ug/L
|	Cu	63	1183.110	0.004	0.259625	0.009	3.436	ug/L
|	Cu	65	545.360	0.002	0.244626	0.006	2.327	ug/L
|	Zn	66	825.389	0.003	0.685159	0.035	5.084	ug/L
|	Zn	68	819.722	0.002	0.751272	0.010	1.350	ug/L
|>	Ge	72	247565.194	247565.194				ug/L
|	As	75	270.546	0.001	0.172371	0.034	19.640	ug/L
|	Se	77	136.669	0.000	0.095661	0.016	17.171	ug/L
⌊	Se	82	-42.683	0.000	0.125083	0.101	80.466	ug/L
⌈>	Rh	103	297491.713	297491.713				ug/L
|	Ag	107	388.682	0.001	0.049831	0.014	28.702	ug/L
|	Cd	111	2.190	0.000	0.000835	0.002	233.355	ug/L
⌊	Cd	114	15.077	0.000	0.001583	0.001	49.733	ug/L
⌈>	In	115	236503.102	236503.102				ug/L
|	Sb	121	750.047	0.003	0.117545	0.016	13.338	ug/L
⌊	Sb	123	619.863	0.002	0.128890	0.006	4.976	ug/L
⌈	Tl	203	43.001	0.000	0.000623	0.001	143.472	ug/L
|	Tl	205	90.335	0.000	0.000330	0.000	72.895	ug/L
|	Pb	208	4929.048	0.014	0.191427	0.006	2.995	ug/L
⌊>	Bi	209	325053.148	325053.148				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.402
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.456
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.648
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.127

: 00530

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.080

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348224.846	348224.846		ug/L
Be	9	4.000	0.000	0.011114	ug/L
V	51	2998.184	0.002	0.080839	ug/L
Cu	63	1211.115	0.004	0.288868	ug/L
Cu	65	562.027	0.002	0.251186	ug/L
Zn	66	818.056	0.003	0.686103	ug/L
Zn	68	815.068	0.002	0.756228	ug/L
Ge	72	245033.433	245033.433		ug/L
As	75	292.882	0.001	0.191809	ug/L
Se	77	134.003	0.000	0.082881	ug/L
Se	82	-41.786	0.000	0.126808	ug/L
Rh	103	301001.197	301001.197		ug/L
Ag	107	502.023	0.002	0.084228	ug/L
Cd	111	-1.276	0.000	-0.001131	ug/L
Cd	114	11.646	0.000	0.000710	ug/L
In	115	239782.841	239782.841		ug/L
Sb	121	851.058	0.003	0.125177	ug/L
Sb	123	648.408	0.003	0.134878	ug/L
Tl	203	39.000	0.000	0.000088	ug/L
Tl	205	97.002	0.000	0.000807	ug/L
Pb	208	4960.730	0.013	0.187028	ug/L
Bi	209	331971.400	331971.400		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	345328.988	345328.988		ug/L
Be	9	2.000	0.000	0.001930	ug/L
V	51	3101.760	0.002	0.086540	ug/L
Cu	63	1172.108	0.004	0.253600	ug/L
Cu	65	544.028	0.002	0.240707	ug/L
Zn	66	798.053	0.003	0.649881	ug/L
Zn	68	820.056	0.002	0.739803	ug/L
Ge	72	250318.088	250318.088		ug/L
As	75	298.218	0.001	0.191824	ug/L
Se	77	140.003	0.000	0.114123	ug/L
Se	82	-29.581	0.000	0.223819	ug/L
Rh	103	292930.770	292930.770		ug/L
Ag	107	381.014	0.001	0.049840	ug/L
Cd	111	5.553	0.000	0.002788	ug/L
Cd	114	17.529	0.000	0.002238	ug/L
In	115	240017.079	240017.079		ug/L
Sb	121	688.040	0.003	0.105178	ug/L
Sb	123	568.779	0.002	0.122183	ug/L
Tl	203	50.001	0.000	0.001838	ug/L
Tl	205	97.001	0.000	0.000188	ug/L
Pb	208	4833.679	0.013	0.188418	ug/L
Bi	209	323219.314	323219.314		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344628.338	344628.338		ug/L
Be	9	2.000	0.000	0.001819	ug/L
V	51	2991.822	0.002	0.084036	ug/L
Cu	63	1168.107	0.004	0.256818	ug/L
Cu	65	540.028	0.002	0.242018	ug/L
Zn	66	880.080	0.003	0.719513	ug/L
Zn	68	824.056	0.002	0.767988	ug/L
Ge	72	247344.082	247344.082		ug/L
As	75	219.539	0.001	0.133280	ug/L
Se	77	136.003	0.000	0.090200	ug/L
Se	82	56.883	0.000	0.022622	ug/L
Rh	103	298643.173	298643.173		ug/L
Ag	107	283.008	0.001	0.035628	ug/L
Cd	111	2.294	0.000	0.000871	ug/L
Cd	114	18.082	0.000	0.001802	ug/L
In	115	233898.386	233898.386		ug/L
Sb	121	711.042	0.003	0.112282	ug/L
Sb	123	615.403	0.002	0.129609	ug/L
Tl	203	40.001	0.000	0.000287	ug/L
Tl	205	97.001	0.000	0.000218	ug/L
Pb	208	5002.736	0.014	0.198039	ug/L
Bi	209	319988.729	319988.729		ug/L

: 00531

Sample Information

Sample ID: 1000901-PS4
Autosampler Position: 34
Sample Date/Time: Monday, February 22, 2010 16:06:17
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1000901-PS4.036
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	354132.830	354132.830				ug/L
⌊	Be	9	3957.136	0.011	17.864298	0.448	2.506	ug/L
⌈	V	51	155715.521	0.620	19.984397	0.220	1.101	ug/L
|	Cu	63	83127.095	0.336	21.133531	0.264	1.251	ug/L
|	Cu	65	39524.112	0.160	20.994300	0.180	0.859	ug/L
|	Zn	66	22165.562	0.089	21.520473	0.241	1.122	ug/L
|	Zn	68	16039.817	0.064	21.152572	0.106	0.499	ug/L
|>	Ge	72	246853.231	246853.231				ug/L
|	As	75	25626.801	0.104	19.746420	0.361	1.830	ug/L
|	Se	77	1952.953	0.007	18.733114	0.905	4.833	ug/L
⌊	Se	82	2431.475	0.010	18.312686	0.600	3.276	ug/L
⌈>	Rh	103	299571.449	299571.449				ug/L
|	Ag	107	143756.063	0.480	19.065892	0.247	1.293	ug/L
|	Cd	111	32913.253	0.110	18.455506	0.275	1.488	ug/L
⌊	Cd	114	77712.448	0.259	18.755004	0.262	1.396	ug/L
⌈>	In	115	240697.910	240697.910				ug/L
|	Sb	121	110088.057	0.457	18.464567	0.286	1.549	ug/L
⌊	Sb	123	83802.626	0.348	18.348978	0.363	1.977	ug/L
⌈	Tl	203	138949.266	0.423	19.222387	0.550	2.863	ug/L
|	Tl	205	336801.018	1.026	19.641393	0.544	2.768	ug/L
|	Pb	208	476071.757	1.449	20.498293	0.468	2.282	ug/L
⌊>	Bi	209	328316.530	328316.530				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.816
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.170
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.345
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.849

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.064

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	357108.538	357108.538		ug/L
Be	9	3879.082	0.011	17.384788	ug/L
V	51	158123.833	0.628	20.222564	ug/L
Cu	63	82276.988	0.331	20.838812	ug/L
Cu	65	39364.509	0.158	20.825786	ug/L
Zn	66	22008.086	0.088	21.284886	ug/L
Zn	68	16190.490	0.064	21.274124	ug/L
Ge	72	247773.584	247773.584		ug/L
As	75	25648.589	0.103	19.612108	ug/L
Se	77	1872.264	0.007	17.631846	ug/L
Se	82	2414.048	0.010	18.118974	ug/L
Rh	103	302723.788	302723.788		ug/L
Ag	107	145308.536	0.480	19.089689	ug/L
Cd	111	32700.089	0.108	18.143858	ug/L
Cd	114	77271.883	0.256	18.452841	ug/L
In	115	240848.164	240848.164		ug/L
Sb	121	108480.174	0.450	18.170280	ug/L
Sb	123	82189.115	0.341	17.971827	ug/L
Tl	203	138586.294	0.408	18.581803	ug/L
Tl	205	336685.101	0.986	19.037478	ug/L
Pb	208	479790.422	1.417	20.038889	ug/L
Bi	209	336310.752	336310.752		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348524.788	348524.788		ug/L
Be	9	3924.117	0.011	17.998130	ug/L
V	51	153644.788	0.614	19.788588	ug/L
Cu	63	83088.002	0.340	21.349288	ug/L
Cu	65	39735.814	0.161	21.184462	ug/L
Zn	66	22073.274	0.089	21.509580	ug/L
Zn	68	15941.930	0.064	21.100409	ug/L
Ge	72	245846.016	245846.016		ug/L
As	75	26081.632	0.106	20.155614	ug/L
Se	77	2034.310	0.008	19.642393	ug/L
Se	82	2357.660	0.010	17.833676	ug/L
Rh	103	300144.234	300144.234		ug/L
Ag	107	142163.194	0.474	18.917483	ug/L
Cd	111	33346.988	0.111	18.881617	ug/L
Cd	114	78543.388	0.262	18.917840	ug/L
In	115	239563.686	239563.686		ug/L
Sb	121	111210.156	0.464	18.741497	ug/L
Sb	123	84980.372	0.356	18.695249	ug/L
Tl	203	140630.338	0.429	18.470876	ug/L
Tl	205	338814.388	1.034	19.784777	ug/L
Pb	208	474841.420	1.448	20.482568	ug/L
Bi	209	327642.181	327642.181		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	356767.190	356767.190		ug/L
Be	9	4088.198	0.011	18.228886	ug/L
V	51	155377.831	0.619	19.941960	ug/L
Cu	63	83438.313	0.337	21.212784	ug/L
Cu	65	39482.212	0.160	20.972874	ug/L
Zn	66	22417.346	0.090	21.767153	ug/L
Zn	68	15987.031	0.064	21.083184	ug/L
Ge	72	246840.084	246840.084		ug/L
As	75	25270.212	0.102	19.471841	ug/L
Se	77	1952.286	0.007	18.725103	ug/L
Se	82	2522.818	0.010	18.985608	ug/L
Rh	103	295846.347	295846.347		ug/L
Ag	107	143788.486	0.486	19.310503	ug/L
Cd	111	32882.886	0.111	18.561243	ug/L
Cd	114	77322.092	0.261	18.684232	ug/L
In	115	241581.871	241581.871		ug/L
Sb	121	110803.843	0.458	18.481923	ug/L
Sb	123	84258.388	0.348	18.379877	ug/L
Tl	203	137782.186	0.432	19.804884	ug/L
Tl	205	334923.564	1.050	20.081927	ug/L
Pb	208	473483.429	1.463	20.973653	ug/L
Bi	209	318998.658	318998.658		ug/L

: 00533

Sample Information

Sample ID: 1002004-09
Autosampler Position: 35
Sample Date/Time: Monday, February 22, 2010 16:14:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002004-09.037
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	353378.650	353378.650				ug/L
	Be	9	1.333	-0.000	-0.001334	0.003	194.147	ug/L
	V	51	3440.873	0.004	0.114665	0.005	4.005	ug/L
	Cu	63	864.728	0.003	0.179038	0.007	3.632	ug/L
	Cu	65	453.019	0.001	0.195951	0.008	4.203	ug/L
	Zn	66	2574.823	0.010	2.391741	0.072	3.030	ug/L
	Zn	68	2989.989	0.011	3.657412	0.095	2.588	ug/L
>	Ge	72	247239.155	247239.155				ug/L
	As	75	969.398	0.004	0.711536	0.069	9.673	ug/L
	Se	77	128.002	0.000	0.008495	0.054	638.366	ug/L
	Se	82	-60.413	-0.000	-0.004730	0.104	2189.555	ug/L
>	Rh	103	303574.183	303574.183				ug/L
	Ag	107	89.001	0.000	0.009611	0.001	10.288	ug/L
	Cd	111	3.681	0.000	0.001637	0.006	383.893	ug/L
	Cd	114	28.273	0.000	0.004648	0.002	43.039	ug/L
>	In	115	239240.109	239240.109				ug/L
	Sb	121	2184.356	0.009	0.358212	0.008	2.193	ug/L
	Sb	123	1674.169	0.007	0.359633	0.003	0.790	ug/L
	Tl	203	37.334	-0.000	-0.000235	0.001	367.134	ug/L
	Tl	205	101.668	0.000	0.000921	0.001	71.006	ug/L
	Pb	208	2357.842	0.006	0.078243	0.002	2.350	ug/L
>	Bi	209	329064.822	329064.822				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.607
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.325
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.685
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.251

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.290

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	360848.230	360848.230		ug/L
Be	9	1.000	-0.000	-0.002806	ug/L
V	51	3507.548	0.004	0.119800	ug/L
Cu	63	856.080	0.003	0.174833	ug/L
Cu	65	444.018	0.001	0.189286	ug/L
Zn	66	2529.473	0.010	2.327758	ug/L
Zn	68	2981.643	0.011	3.587830	ug/L
Ge	72	249188.611	249188.611		ug/L
As	75	874.412	0.003	0.632781	ug/L
Se	77	134.003	0.000	0.058566	ug/L
Se	82	-76.998	-0.000	-0.121666	ug/L
Rh	103	302246.181	302246.181		ug/L
Ag	107	91.001	0.000	0.008922	ug/L
Cd	111	9.582	0.000	0.004908	ug/L
Cd	114	23.710	0.000	0.003584	ug/L
In	115	238494.412	238494.412		ug/L
Sb	121	2227.388	0.006	0.388827	ug/L
Sb	123	1468.958	0.007	0.367420	ug/L
Tl	203	38.009	-0.000	-0.000231	ug/L
Tl	205	113.002	0.000	0.001480	ug/L
Pb	208	2347.174	0.008	0.078130	ug/L
Bi	209	334488.933	334488.933		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	354508.787	354508.787		ug/L
Be	9	1.000	-0.000	-0.002881	ug/L
V	51	3372.932	0.003	0.110853	ug/L
Cu	63	884.084	0.003	0.186828	ug/L
Cu	65	466.020	0.002	0.206150	ug/L
Zn	66	2625.508	0.010	2.470437	ug/L
Zn	68	3035.675	0.011	3.786176	ug/L
Ge	72	244396.108	244396.108		ug/L
As	75	987.120	0.004	0.741581	ug/L
Se	77	121.002	-0.000	-0.048418	ug/L
Se	82	-54.717	0.000	0.032050	ug/L
Rh	103	303256.677	303256.677		ug/L
Ag	107	95.002	0.000	0.010408	ug/L
Cd	111	10.887	0.000	0.005811	ug/L
Cd	114	37.926	0.000	0.009856	ug/L
In	115	238408.629	238408.629		ug/L
Sb	121	2169.351	0.008	0.356838	ug/L
Sb	123	1682.837	0.007	0.362838	ug/L
Tl	203	31.000	-0.000	-0.001088	ug/L
Tl	205	104.002	0.000	0.001083	ug/L
Pb	208	2371.178	0.008	0.079123	ug/L
Bi	209	328020.980	328020.980		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	354678.931	354678.931		ug/L
Be	9	2.000	0.000	0.001856	ug/L
V	51	3442.143	0.004	0.113241	ug/L
Cu	63	856.080	0.003	0.175752	ug/L
Cu	65	450.019	0.001	0.193440	ug/L
Zn	66	2569.488	0.010	2.377033	ug/L
Zn	68	2972.648	0.011	3.819240	ug/L
Ge	72	248132.748	248132.748		ug/L
As	75	1036.861	0.004	0.780236	ug/L
Se	77	129.002	0.000	0.014338	ug/L
Se	82	49.623	0.000	0.078436	ug/L
Rh	103	306219.711	306219.711		ug/L
Ag	107	81.001	0.000	0.008504	ug/L
Cd	111	9.427	-0.000	-0.005607	ug/L
Cd	114	23.182	0.000	0.003404	ug/L
In	115	240820.287	240820.287		ug/L
Sb	121	2158.347	0.008	0.351071	ug/L
Sb	123	1680.711	0.007	0.358840	ug/L
Tl	203	43.001	0.000	0.000825	ug/L
Tl	205	88.001	0.000	0.000202	ug/L
Pb	208	2356.174	0.008	0.078477	ug/L
Bi	209	324683.543	324683.543		ug/L

Sample Information

Sample ID: 1002004-10
Autosampler Position: 36
Sample Date/Time: Monday, February 22, 2010 16:18:17
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002004-10.038
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	352210.142	352210.142				ug/L
⌊	Be	9	3.333	0.000	0.007766	0.003	32.759	ug/L
⌈	V	51	5689.678	0.013	0.417633	0.021	5.078	ug/L
|	Cu	63	5261.990	0.021	1.315313	0.040	3.058	ug/L
|	Cu	65	2568.821	0.010	1.338274	0.006	0.473	ug/L
|	Zn	66	3384.169	0.013	3.224955	0.128	3.980	ug/L
|	Zn	68	2717.878	0.010	3.340516	0.026	0.781	ug/L
|>	Ge	72	244040.566	244040.566				ug/L
|	As	75	1017.426	0.004	0.758787	0.031	4.130	ug/L
|	Se	77	144.336	0.000	0.197261	0.169	85.642	ug/L
⌊	Se	82	-24.752	0.000	0.253519	0.068	26.982	ug/L
⌈>	Rh	103	295947.541	295947.541				ug/L
|	Ag	107	75.001	0.000	0.008023	0.002	25.334	ug/L
|	Cd	111	12.357	0.000	0.006627	0.005	68.508	ug/L
⌊	Cd	114	23.761	0.000	0.003710	0.001	33.091	ug/L
⌈>	In	115	240366.301	240366.301				ug/L
|	Sb	121	2626.843	0.011	0.430834	0.012	2.679	ug/L
⌊	Sb	123	2101.911	0.009	0.451789	0.014	3.156	ug/L
⌈	Tl	203	49.334	0.000	0.001459	0.001	84.423	ug/L
|	Tl	205	114.335	0.000	0.001699	0.000	16.486	ug/L
|	Pb	208	50541.298	0.153	2.160705	0.033	1.540	ug/L
⌊>	Bi	209	327412.671	327412.671				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.285
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.040
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.131
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.713

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.792

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
U	6	354777.858	354777.858		ug/L
Be	9	3.000	0.000	0.008181	ug/L
V	51	5724.883	0.014	0.438684	ug/L
Cu	63	5323.036	0.022	1.360791	ug/L
Cu	65	2815.488	0.010	1.338394	ug/L
Zn	66	3450.888	0.014	3.364314	ug/L
Zn	68	2889.525	0.010	3.364814	ug/L
Ge	72	238778.809	238778.809		ug/L
As	75	1014.467	0.004	0.773708	ug/L
Se	77	158.003	0.000	0.373464	ug/L
Se	82	-32.981	0.000	0.190561	ug/L
Rh	103	292808.847	292808.847		ug/L
Ag	107	76.001	0.000	0.008279	ug/L
Cd	111	19.298	0.000	0.010864	ug/L
Cd	114	20.761	0.000	0.003042	ug/L
In	115	242191.313	242191.313		ug/L
Sb	121	2600.488	0.010	0.423101	ug/L
Sb	123	2043.187	0.008	0.436471	ug/L
Tl	203	43.001	0.000	0.000530	ug/L
Tl	205	113.002	0.000	0.001880	ug/L
Pb	208	50118.711	0.190	2.122302	ug/L
Bi	209	330439.781	330439.781		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
U	6	354181.114	354181.114		ug/L
Be	9	4.000	0.000	0.010899	ug/L
V	51	5737.432	0.013	0.417999	ug/L
Cu	63	5182.932	0.020	1.294442	ug/L
Cu	65	2575.480	0.010	1.331483	ug/L
Zn	66	3384.836	0.013	3.189817	ug/L
Zn	68	2750.567	0.010	3.356818	ug/L
Ge	72	245887.036	245887.036		ug/L
As	75	1052.634	0.004	0.779878	ug/L
Se	77	130.002	0.000	0.338880	ug/L
Se	82	-26.398	0.000	0.243541	ug/L
Rh	103	298156.827	298156.827		ug/L
Ag	107	59.001	0.000	0.006875	ug/L
Cd	111	13.998	0.000	0.007819	ug/L
Cd	114	20.679	0.000	0.002981	ug/L
In	115	240070.424	240070.424		ug/L
Sb	121	2702.538	0.011	0.444101	ug/L
Sb	123	2148.337	0.008	0.461836	ug/L
Tl	203	46.001	0.000	0.001003	ug/L
Tl	205	111.002	0.000	0.001816	ug/L
Pb	208	50866.349	0.154	2.178884	ug/L
Bi	209	326755.929	326755.929		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
U	6	347871.656	347871.656		ug/L
Be	9	3.000	0.000	0.008438	ug/L
V	51	5606.921	0.012	0.398246	ug/L
Cu	63	5280.004	0.021	1.300706	ug/L
Cu	65	2615.505	0.010	1.343875	ug/L
Zn	66	3316.803	0.013	3.111532	ug/L
Zn	68	2733.550	0.010	3.310416	ug/L
Ge	72	247486.888	247486.888		ug/L
As	75	988.187	0.004	0.722776	ug/L
Se	77	148.003	0.000	0.181888	ug/L
Se	82	-16.299	0.000	0.326388	ug/L
Rh	103	299079.948	299079.948		ug/L
Ag	107	90.001	0.000	0.008916	ug/L
Cd	111	3.788	0.000	0.001707	ug/L
Cd	114	29.843	0.000	0.008127	ug/L
In	115	238837.186	238837.186		ug/L
Sb	121	2577.491	0.011	0.425300	ug/L
Sb	123	2117.209	0.008	0.458080	ug/L
Tl	203	59.001	0.000	0.002853	ug/L
Tl	205	119.002	0.000	0.002022	ug/L
Pb	208	50848.833	0.154	2.181130	ug/L
Bi	209	325042.324	325042.324		ug/L

10

: 00537

Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 22, 2010 16:21:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.039
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	349966.273	349966.273				ug/L
⌊	Be	9	7826.364	0.022	35.756901	0.204	0.571	ug/L
⌈	V	51	281453.020	1.139	36.693880	0.471	1.282	ug/L
|	Cu	63	151511.213	0.618	38.868934	0.145	0.374	ug/L
|	Cu	65	71643.891	0.292	38.404994	0.169	0.440	ug/L
|	Zn	66	38373.186	0.156	37.650714	0.311	0.827	ug/L
|	Zn	68	27854.485	0.113	37.294265	0.280	0.751	ug/L
|>	Ge	72	244838.928	244838.928				ug/L
|	As	75	49559.843	0.202	38.534650	0.191	0.495	ug/L
|	Se	77	3724.342	0.015	37.215800	0.890	2.393	ug/L
⌊	Se	82	5005.208	0.021	37.536246	0.647	1.724	ug/L
⌈>	Rh	103	293952.111	293952.111				ug/L
|	Ag	107	281185.163	0.957	38.006882	0.274	0.721	ug/L
|	Cd	111	64794.132	0.220	37.028024	0.791	2.137	ug/L
⌊	Cd	114	153443.992	0.522	37.740743	0.360	0.954	ug/L
⌈>	In	115	237463.886	237463.886				ug/L
|	Sb	121	214435.553	0.903	36.469556	1.251	3.429	ug/L
⌊	Sb	123	161264.677	0.679	35.804853	1.691	4.722	ug/L
⌈	Tl	203	268392.943	0.833	37.830664	0.364	0.963	ug/L
|	Tl	205	649317.323	2.016	38.581139	0.355	0.919	ug/L
|	Pb	208	864863.122	2.683	37.957653	0.271	0.715	ug/L
⌊>	Bi	209	322113.802	322113.802				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.665
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.360
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.462
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.521

: 00538

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.193

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B22027-CCV	Be	9	
0B22027-CCV	Sb	123	OK

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	U	6	352314.078	352314.078		ug/L
	Be	9	7903.449	0.022	35.988624	ug/L
	V	51	265824.073	1.158	37.237101	ug/L
	Cu	63	152070.229	0.620	38.008733	ug/L
	Cu	65	71698.788	0.292	38.428781	ug/L
	Zn	66	38158.032	0.156	37.433383	ug/L
	Zn	68	28087.316	0.114	37.576283	ug/L
>	Ge	72	244878.139	244878.139		ug/L
	As	75	49836.734	0.203	38.743844	ug/L
	Se	77	3636.982	0.014	36.308464	ug/L
	Se	82	4972.560	0.021	37.288779	ug/L
>	Rh	103	294931.853	294931.853		ug/L
	Ag	107	281026.371	0.953	37.857523	ug/L
	Cd	111	65508.110	0.222	37.308510	ug/L
	Cd	114	152884.786	0.518	37.429873	ug/L
>	In	115	238787.242	238787.242		ug/L
	Sb	121	207119.007	0.867	38.025424	ug/L
	Sb	123	153438.610	0.642	33.870982	ug/L
	Tl	203	266367.312	0.824	37.410112	ug/L
	Tl	205	648286.777	2.006	38.438332	ug/L
	Pb	208	867221.979	2.681	37.925813	ug/L
>	Bi	209	323288.611	323288.611		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	U	6	348697.176	348697.176		ug/L
	Be	9	7744.273	0.022	35.521200	ug/L
	V	51	279436.137	1.131	36.432777	ug/L
	Cu	63	150902.848	0.618	38.717133	ug/L
	Cu	65	71300.809	0.291	38.225241	ug/L
	Zn	66	38227.402	0.156	37.511508	ug/L
	Zn	68	27948.460	0.113	37.290434	ug/L
>	Ge	72	244810.994	244810.994		ug/L
	As	75	49487.967	0.202	38.490886	ug/L
	Se	77	3808.083	0.015	38.065873	ug/L
	Se	82	5103.729	0.021	38.270744	ug/L
>	Rh	103	295826.570	295826.570		ug/L
	Ag	107	281841.614	0.952	37.838832	ug/L
	Cd	111	63981.833	0.215	36.134847	ug/L
	Cd	114	154140.644	0.521	37.667283	ug/L
>	In	115	234817.429	234817.429		ug/L
	Sb	121	218383.163	0.921	37.208121	ug/L
	Sb	123	164838.288	0.702	37.003490	ug/L
	Tl	203	270573.083	0.838	38.040139	ug/L
	Tl	205	646691.588	2.002	38.320131	ug/L
	Pb	208	873579.563	2.703	38.243508	ug/L
>	Bi	209	322938.915	322938.915		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	U	6	348987.568	348987.568		ug/L
	Be	9	7831.389	0.022	35.880480	ug/L
	V	51	278298.848	1.130	36.411783	ug/L
	Cu	63	151580.562	0.618	38.662936	ug/L
	Cu	65	71932.087	0.293	38.580980	ug/L
	Zn	66	38734.128	0.158	38.007251	ug/L
	Zn	68	27847.680	0.112	37.016098	ug/L
>	Ge	72	244830.651	244830.651		ug/L
	As	75	49345.839	0.201	38.399411	ug/L
	Se	77	3728.010	0.015	37.254983	ug/L
	Se	82	4939.336	0.020	37.048218	ug/L
>	Rh	103	290998.111	290998.111		ug/L
	Ag	107	280868.503	0.955	38.323290	ug/L
	Cd	111	65211.452	0.224	37.641016	ug/L
	Cd	114	153498.578	0.527	38.135074	ug/L
>	In	115	238788.988	238788.988		ug/L
	Sb	121	219824.500	0.929	37.174824	ug/L
	Sb	123	165523.154	0.693	38.540088	ug/L
	Tl	203	268238.435	0.839	38.041741	ug/L
	Tl	205	652104.608	2.037	38.984984	ug/L
	Pb	208	853787.624	2.668	37.703840	ug/L
>	Bi	209	320135.980	320135.980		ug/L

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 16:30:15
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.040
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	348124.148	348124.148				ug/L
	Be	9	1.667	0.000	0.000299	0.003	892.116	ug/L
	V	51	2192.964	-0.001	-0.047684	0.004	9.125	ug/L
	Cu	63	157.670	-0.000	-0.000795	0.003	359.474	ug/L
	Cu	65	82.001	-0.000	-0.001257	0.003	269.060	ug/L
	Zn	66	129.336	0.000	0.007794	0.010	129.703	ug/L
	Zn	68	267.008	0.000	0.013108	0.039	300.613	ug/L
>	Ge	72	247032.293	247032.293				ug/L
	As	75	-103.782	-0.001	-0.115950	0.008	6.641	ug/L
	Se	77	127.002	0.000	0.000171	0.060	34906.283	ug/L
	Se	82	-77.144	-0.000	-0.128106	0.096	75.176	ug/L
>	Rh	103	297705.090	297705.090				ug/L
	Ag	107	67.334	0.000	0.006948	0.002	34.126	ug/L
	Cd	111	5.833	0.000	0.002872	0.000	14.302	ug/L
	Cd	114	9.706	0.000	0.000266	0.001	327.968	ug/L
>	In	115	238290.605	238290.605				ug/L
	Sb	121	533.025	0.002	0.079733	0.007	8.791	ug/L
	Sb	123	412.888	0.002	0.082008	0.005	6.338	ug/L
	Tl	203	40.334	0.000	0.000249	0.001	468.229	ug/L
	Tl	205	83.335	-0.000	-0.000081	0.000	564.947	ug/L
	Pb	208	486.678	-0.000	-0.001979	0.000	20.955	ug/L
>	Bi	209	325467.297	325467.297				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	96.156
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.241
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.719
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	97.861

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.205

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	3481701.175	3481701.175		ug/L
Be	9	1.000	-0.000	-0.002782	ug/L
V	51	2143.727	-0.002	-0.081487	ug/L
Cu	63	145.003	0.000	-0.003675	ug/L
Cu	65	78.001	0.000	-0.004808	ug/L
Zn	66	140.003	0.000	0.019397	ug/L
Zn	68	266.008	0.000	0.013833	ug/L
Ge	72	2447781.957	2447781.957		ug/L
As	75	-103.281	0.001	-0.116256	ug/L
Se	77	129.002	0.000	0.032370	ug/L
Se	82	-82.481	0.000	-0.024846	ug/L
Rh	103	2906868.258	2906868.258		ug/L
Ag	107	87.001	0.000	0.009811	ug/L
Cd	111	5.188	0.000	0.002907	ug/L
Cd	114	6.387	-0.000	-0.000528	ug/L
In	115	2384463.748	2384463.748		ug/L
Sb	121	579.029	0.002	0.087486	ug/L
Sb	123	427.638	0.002	0.084104	ug/L
Tl	203	34.000	-0.000	-0.000731	ug/L
Tl	205	78.001	-0.000	-0.000434	ug/L
Pb	206	480.911	0.000	-0.003231	ug/L
Bi	209	3314468.868	3314468.868		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	3497181.031	3497181.031		ug/L
Be	9	2.000	0.000	0.001784	ug/L
V	51	2259.694	-0.001	-0.042948	ug/L
Cu	63	160.003	0.000	0.000748	ug/L
Cu	65	83.001	0.000	0.001320	ug/L
Zn	66	124.002	0.000	0.000860	ug/L
Zn	68	300.009	0.000	0.062084	ug/L
Ge	72	2504288.852	2504288.852		ug/L
As	75	-94.958	-0.001	-0.106101	ug/L
Se	77	122.002	-0.000	-0.058613	ug/L
Se	82	80.438	-0.000	-0.144527	ug/L
Rh	103	2999820.036	2999820.036		ug/L
Ag	107	93.001	0.000	0.006171	ug/L
Cd	111	5.738	0.000	0.002793	ug/L
Cd	114	13.643	0.000	0.001200	ug/L
In	115	2386888.278	2386888.278		ug/L
Sb	121	523.024	0.002	0.077939	ug/L
Sb	123	430.840	0.002	0.086831	ug/L
Tl	203	49.001	0.000	0.001541	ug/L
Tl	205	91.001	0.000	0.000438	ug/L
Pb	206	491.011	-0.000	-0.001500	ug/L
Bi	209	3210468.612	3210468.612		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	3464842.239	3464842.239		ug/L
Be	9	2.000	0.000	0.001886	ug/L
V	51	2179.471	-0.002	-0.048610	ug/L
Cu	63	188.004	0.000	0.002039	ug/L
Cu	65	88.001	0.000	0.002157	ug/L
Zn	66	124.002	0.000	0.003094	ug/L
Zn	68	236.006	-0.000	-0.026702	ug/L
Ge	72	2468888.089	2468888.089		ug/L
As	75	-113.088	-0.001	-0.125483	ug/L
Se	77	130.002	0.000	0.038868	ug/L
Se	82	-88.846	-0.000	-0.218146	ug/L
Rh	103	2984338.878	2984338.878		ug/L
Ag	107	53.001	0.000	0.006083	ug/L
Cd	111	6.584	0.000	0.003317	ug/L
Cd	114	9.078	0.000	0.000127	ug/L
In	115	2378391.788	2378391.788		ug/L
Sb	121	497.022	0.002	0.073784	ug/L
Sb	123	385.386	0.001	0.078080	ug/L
Tl	203	36.000	-0.000	-0.000082	ug/L
Tl	205	80.001	-0.000	-0.000258	ug/L
Pb	206	479.011	0.000	0.002215	ug/L
Bi	209	3239068.419	3239068.419		ug/L

Sample Information

Sample ID: 1002004-11
Autosampler Position: 37
Sample Date/Time: Monday, February 22, 2010 16:34:14
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002004-11.041
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	348724.297	348724.297				ug/L
	Be	9	3.000	0.000	0.006437	0.012	189.079	ug/L
	V	51	3896.546	0.005	0.159772	0.007	4.672	ug/L
	Cu	63	726.711	0.002	0.138686	0.005	3.479	ug/L
	Cu	65	321.344	0.001	0.121093	0.006	4.938	ug/L
	Zn	66	1016.749	0.004	0.844708	0.023	2.765	ug/L
	Zn	68	935.404	0.003	0.872109	0.063	7.209	ug/L
>	Ge	72	254399.611	254399.611				ug/L
	As	75	173.549	0.000	0.094164	0.018	18.875	ug/L
	Se	77	135.003	0.000	0.041854	0.100	238.030	ug/L
	Se	82	-53.687	0.000	0.055451	0.069	124.905	ug/L
>	Rh	103	302396.146	302396.146				ug/L
	Ag	107	82.001	0.000	0.008735	0.000	3.252	ug/L
	Cd	111	13.592	0.000	0.007142	0.003	42.227	ug/L
	Cd	114	42.474	0.000	0.008062	0.001	15.481	ug/L
>	In	115	245182.028	245182.028				ug/L
	Sb	121	528.025	0.002	0.076380	0.006	7.629	ug/L
	Sb	123	401.761	0.001	0.077034	0.009	11.187	ug/L
	Tl	203	79.668	0.000	0.005380	0.001	9.721	ug/L
	Tl	205	178.337	0.000	0.005176	0.000	1.418	ug/L
	Pb	208	1235.053	0.002	0.028873	0.001	1.976	ug/L
>	Bi	209	335950.656	335950.656				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	96.322
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.201
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.291
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	100.691

: 00542

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

101.368

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	347637.029	347637.029		ug/L
	Be	9	5.000	0.000	0.016640	ug/L
	V	51	3831.647	0.006	0.151181	ug/L
	Cu	63	748.047	0.002	0.143822	ug/L
	Cu	65	328.011	0.001	0.123387	ug/L
	Zn	66	988.078	0.003	0.617780	ug/L
	Zn	68	910.087	0.003	0.536352	ug/L
>	Ge	72	254587.443	254587.443		ug/L
	As	75	148.348	0.000	0.075181	ug/L
	Se	77	130.002	-0.000	-0.008143	ug/L
	Se	82	64.420	0.000	-0.020826	ug/L
>	Rh	103	304134.888	304134.888		ug/L
	Ag	107	80.001	0.000	0.008411	ug/L
	Cd	111	7.539	0.000	0.003744	ug/L
	Cd	114	48.337	0.000	0.008403	ug/L
>	In	115	246629.088	246629.088		ug/L
	Sb	121	556.027	0.002	0.080896	ug/L
	Sb	123	418.639	0.002	0.080687	ug/L
	Tl	203	79.001	0.000	0.005048	ug/L
	Tl	205	181.004	0.000	0.005092	ug/L
	Pb	208	1252.088	0.002	0.028388	ug/L
>	Bi	209	343775.678	343775.678		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	350783.677	350783.677		ug/L
	Be	9	0.000	-0.000	-0.007382	ug/L
	V	51	3918.420	0.006	0.164425	ug/L
	Cu	63	706.042	0.002	0.134248	ug/L
	Cu	65	307.010	0.001	0.114307	ug/L
	Zn	66	1026.084	0.004	0.857341	ug/L
	Zn	68	902.088	0.003	0.833331	ug/L
>	Ge	72	253435.176	253435.176		ug/L
	As	75	194.529	0.001	0.110411	ug/L
	Se	77	146.003	0.000	0.156884	ug/L
	Se	82	-48.239	0.000	0.114413	ug/L
>	Rh	103	300301.849	300301.849		ug/L
	Ag	107	83.001	0.000	0.008841	ug/L
	Cd	111	17.738	0.000	0.008502	ug/L
	Cd	114	37.475	0.000	0.008836	ug/L
>	In	115	248780.728	248780.728		ug/L
	Sb	121	489.022	0.002	0.069752	ug/L
	Sb	123	432.010	0.002	0.083332	ug/L
	Tl	203	84.001	0.000	0.006683	ug/L
	Tl	205	179.004	0.000	0.006229	ug/L
	Pb	208	1248.058	0.002	0.029601	ug/L
>	Bi	209	335420.072	335420.072		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	347770.287	347770.287		ug/L
	Be	9	4.000	0.000	0.011032	ug/L
	V	51	3939.671	0.006	0.163729	ug/L
	Cu	63	726.044	0.002	0.137988	ug/L
	Cu	65	331.011	0.001	0.125587	ug/L
	Zn	66	1036.086	0.004	0.858123	ug/L
	Zn	68	994.079	0.003	0.944643	ug/L
>	Ge	72	256186.213	256186.213		ug/L
	As	75	177.767	0.001	0.099801	ug/L
	Se	77	129.002	-0.000	-0.021948	ug/L
	Se	82	51.404	0.000	0.072787	ug/L
>	Rh	103	302751.923	302751.923		ug/L
	Ag	107	83.001	0.000	0.008852	ug/L
	Cd	111	15.488	0.000	0.008179	ug/L
	Cd	114	41.610	0.000	0.007849	ug/L
>	In	115	244240.288	244240.288		ug/L
	Sb	121	540.026	0.002	0.078884	ug/L
	Sb	123	354.636	0.001	0.067212	ug/L
	Tl	203	76.001	0.000	0.005111	ug/L
	Tl	205	175.004	0.000	0.005206	ug/L
	Pb	208	1205.051	0.002	0.028733	ug/L
>	Bi	209	328658.219	328658.219		ug/L

Sample ID: 1002004-11
Report Date/Time: Monday, February 22, 2010 16:36:02

Sample Information

Sample ID: 1002004-12
Autosampler Position: 38
Sample Date/Time: Monday, February 22, 2010 16:37:44
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002004-12.042
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	354898.022	354898.022				ug/L
⌊	Be	9	2.333	0.000	0.003162	0.003	84.252	ug/L
⌈	V	51	3197.771	0.002	0.074285	0.014	18.820	ug/L
|	Cu	63	558.361	0.002	0.097998	0.007	6.706	ug/L
|	Cu	65	260.674	0.001	0.090663	0.007	7.869	ug/L
|	Zn	66	3446.866	0.013	3.169281	0.048	1.515	ug/L
|	Zn	68	2554.482	0.009	3.000954	0.014	0.460	ug/L
|>	Ge	72	252652.369	252652.369				ug/L
|	As	75	120.679	0.000	0.054935	0.025	46.362	ug/L
|	Se	77	131.336	0.000	0.014938	0.095	635.307	ug/L
⌊	Se	82	-55.060	0.000	0.043749	0.159	363.788	ug/L
⌈>	Rh	103	302638.843	302638.843				ug/L
|	Ag	107	43.334	0.000	0.003650	0.000	11.785	ug/L
|	Cd	111	3.721	0.000	0.001647	0.001	46.729	ug/L
⌊	Cd	114	16.521	0.000	0.001863	0.001	43.528	ug/L
⌈>	In	115	243281.352	243281.352				ug/L
|	Sb	121	316.010	0.001	0.041861	0.005	11.399	ug/L
⌊	Sb	123	242.752	0.001	0.043274	0.003	6.559	ug/L
⌈	Tl	203	33.667	-0.000	-0.000828	0.000	9.551	ug/L
|	Tl	205	57.667	-0.000	-0.001689	0.000	23.795	ug/L
|	Pb	208	3777.095	0.010	0.136310	0.003	2.454	ug/L
⌊>	Bi	209	335188.456	335188.456				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	98.027
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	101.499
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	101.372
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.910

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

101.138

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
U	6	354288.282	354288.282		ug/L
Be	9	2.000	0.000	0.001888	ug/L
V	51	3240.158	0.003	0.086210	ug/L
Cu	63	561.028	0.002	0.100976	ug/L
Cu	65	253.007	0.001	0.094139	ug/L
Zn	66	3360.819	0.013	3.129584	ug/L
Zn	68	2622.471	0.009	3.012527	ug/L
Ge	72	248811.982	248811.982		ug/L
As	75	80.080	0.000	0.025629	ug/L
Se	77	140.003	0.000	0.123841	ug/L
Se	82	64.467	-0.000	-0.032223	ug/L
Rh	103	303514.283	303514.283		ug/L
Ag	107	40.001	0.000	0.003188	ug/L
Cd	111	5.108	0.000	0.002408	ug/L
Cd	114	15.970	0.000	0.001717	ug/L
In	115	242548.208	242548.208		ug/L
Sb	121	348.012	0.001	0.047340	ug/L
Sb	123	253.378	0.001	0.048738	ug/L
Tl	203	34.000	-0.000	-0.000878	ug/L
Tl	205	51.001	-0.000	-0.002133	ug/L
Pb	208	3763.438	0.009	0.133449	ug/L
Bi	209	342088.488	342088.488		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	352788.188	352788.188		ug/L
Be	9	3.000	0.000	0.005237	ug/L
V	51	3150.858	0.002	0.084899	ug/L
Cu	63	580.030	0.002	0.102560	ug/L
Cu	65	276.008	0.001	0.085393	ug/L
Zn	66	3512.899	0.013	3.158600	ug/L
Zn	68	2802.500	0.009	2.985697	ug/L
Ge	72	256566.297	256566.297		ug/L
As	75	142.682	0.000	0.069307	ug/L
Se	77	130.002	-0.000	-0.029689	ug/L
Se	82	-71.458	-0.000	-0.063182	ug/L
Rh	103	300032.881	300032.881		ug/L
Ag	107	46.001	0.000	0.004061	ug/L
Cd	111	3.719	0.000	0.001663	ug/L
Cd	114	20.024	0.000	0.002738	ug/L
In	115	242772.671	242772.671		ug/L
Sb	121	302.009	0.001	0.039532	ug/L
Sb	123	248.251	0.001	0.043919	ug/L
Tl	203	34.000	-0.000	-0.000737	ug/L
Tl	205	58.001	0.000	-0.001583	ug/L
Pb	208	3787.430	0.010	0.138323	ug/L
Bi	209	331833.194	331833.194		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
U	6	357626.616	357626.616		ug/L
Be	9	2.000	0.000	0.001582	ug/L
V	51	3202.498	0.002	0.077748	ug/L
Cu	63	524.024	0.001	0.093488	ug/L
Cu	65	243.007	0.001	0.082467	ug/L
Zn	66	3478.881	0.013	3.222668	ug/L
Zn	68	2538.478	0.009	3.004639	ug/L
Ge	72	250778.819	250778.819		ug/L
As	75	136.288	0.000	0.069970	ug/L
Se	77	124.002	-0.000	-0.050040	ug/L
Se	82	-76.264	0.000	0.220662	ug/L
Rh	103	304388.568	304388.568		ug/L
Ag	107	44.001	0.000	0.003703	ug/L
Cd	111	2.336	0.000	0.000869	ug/L
Cd	114	13.589	0.000	0.001138	ug/L
In	115	244523.178	244523.178		ug/L
Sb	121	298.009	0.001	0.039512	ug/L
Sb	123	229.628	0.001	0.040188	ug/L
Tl	203	33.000	0.000	-0.000871	ug/L
Tl	205	63.001	0.000	-0.001350	ug/L
Pb	208	3781.428	0.010	0.138158	ug/L
Bi	209	331643.688	331643.688		ug/L

00545

Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 22, 2010 16:41:12
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.043
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	349013.912	349013.912				ug/L
[	Be	9	7883.094	0.023	36.114940	0.397	1.100	ug/L
[	V	51	288053.825	1.169	37.649735	0.657	1.744	ug/L
[	Cu	63	153579.959	0.628	39.488367	0.701	1.775	ug/L
[	Cu	65	72502.850	0.296	38.951845	0.321	0.825	ug/L
[	Zn	66	39216.761	0.160	38.567531	0.548	1.421	ug/L
[	Zn	68	28476.603	0.116	38.226027	0.860	2.250	ug/L
[>	Ge	72	244321.745	244321.745				ug/L
[	As	75	50178.042	0.205	39.101273	0.509	1.301	ug/L
[	Se	77	3814.724	0.015	38.256749	2.036	5.322	ug/L
[	Se	82	5022.956	0.021	37.740308	0.596	1.578	ug/L
[>	Rh	103	298836.818	298836.818				ug/L
[	Ag	107	286625.302	0.959	38.107337	0.188	0.493	ug/L
[	Cd	111	66248.927	0.222	37.237543	0.551	1.481	ug/L
[	Cd	114	154703.902	0.518	37.427302	0.174	0.465	ug/L
[>	In	115	237474.330	237474.330				ug/L
[	Sb	121	216647.520	0.912	36.848038	1.342	3.642	ug/L
[	Sb	123	164757.803	0.694	36.579652	1.253	3.427	ug/L
[	Tl	203	272979.151	0.841	38.181980	0.423	1.107	ug/L
[	Tl	205	655109.182	2.018	38.626250	0.412	1.066	ug/L
[	Pb	208	871491.992	2.683	37.953998	0.101	0.265	ug/L
[>	Bi	209	324625.338	324625.338				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	96.402
[	Be	9.012	
[	V	50.944	
[	Cu	62.930	
[	Cu	64.928	
[	Zn	65.926	
[	Zn	67.925	
[>	Ge	71.922	98.153
[	As	74.922	
[	Se	76.920	
[	Se	81.917	
[>	Rh	102.905	100.099
[	Ag	106.905	
[	Cd	110.904	
[	Cd	113.904	
[>	In	114.904	97.526

00546

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.950

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	353836.026	353836.026		ug/L
Be	9	8017.677	0.023	36.291044	ug/L
V	51	288424.309	1.149	37.004249	ug/L
Cu	63	155481.534	0.624	39.250038	ug/L
Cu	65	73143.316	0.294	38.581980	ug/L
Zn	66	29562.823	0.158	36.227948	ug/L
Zn	68	28288.191	0.113	37.270378	ug/L
Ge	72	248617.983	248617.983		ug/L
As	75	50529.376	0.203	36.660334	ug/L
Se	77	3677.983	0.014	36.127873	ug/L
Se	82	5188.730	0.021	36.268771	ug/L
Rh	103	300293.309	300293.309		ug/L
Ag	107	287803.479	0.869	38.078389	ug/L
Cd	111	66174.486	0.220	37.014849	ug/L
Cd	114	154636.188	0.515	37.229066	ug/L
In	115	239809.806	239809.806		ug/L
Sb	121	209828.413	0.876	35.332566	ug/L
Sb	123	160133.319	0.669	35.188138	ug/L
Tl	203	273804.384	0.849	38.563289	ug/L
Tl	205	663617.050	2.079	38.835838	ug/L
Pb	208	664567.306	2.662	37.933836	ug/L
Bi	209	322208.122	322208.122		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	345386.687	345386.687		ug/L
Be	9	7868.410	0.023	36.426249	ug/L
V	51	289866.787	1.160	38.316082	ug/L
Cu	63	154368.580	0.641	40.277480	ug/L
Cu	65	71825.027	0.298	39.160544	ug/L
Zn	66	39276.078	0.163	39.199807	ug/L
Zn	68	28582.356	0.118	38.937438	ug/L
Ge	72	240727.630	240727.630		ug/L
As	75	49297.582	0.205	38.866810	ug/L
Se	77	3944.128	0.016	40.186447	ug/L
Se	82	4862.496	0.020	37.083868	ug/L
Rh	103	297933.488	297933.488		ug/L
Ag	107	284470.848	0.956	37.936584	ug/L
Cd	111	67184.028	0.229	37.668619	ug/L
Cd	114	154761.233	0.519	37.554204	ug/L
In	115	238949.048	238949.048		ug/L
Sb	121	219017.284	0.924	37.325748	ug/L
Sb	123	165838.422	0.700	38.893300	ug/L
Tl	203	271813.897	0.843	38.270608	ug/L
Tl	205	656287.358	2.032	38.891170	ug/L
Pb	208	668182.187	2.681	38.063134	ug/L
Bi	209	322464.306	322464.306		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348020.023	348020.023		ug/L
Be	9	7763.294	0.023	35.987527	ug/L
V	51	288880.380	1.156	37.827998	ug/L
Cu	63	150808.783	0.619	38.937818	ug/L
Cu	65	72540.207	0.298	39.113030	ug/L
Zn	66	38781.381	0.159	38.275038	ug/L
Zn	68	28568.261	0.116	38.470287	ug/L
Ge	72	243419.821	243419.821		ug/L
As	75	50707.187	0.208	39.667873	ug/L
Se	77	3822.081	0.015	38.456828	ug/L
Se	82	5019.652	0.021	37.860186	ug/L
Rh	103	298283.656	298283.656		ug/L
Ag	107	287801.581	0.964	38.308058	ug/L
Cd	111	66408.270	0.218	36.832480	ug/L
Cd	114	154714.284	0.519	37.498736	ug/L
In	115	235864.139	235864.139		ug/L
Sb	121	221098.883	0.936	37.665770	ug/L
Sb	123	166303.888	0.714	37.646619	ug/L
Tl	203	273519.193	0.831	37.722163	ug/L
Tl	205	656243.138	1.993	38.151844	ug/L
Pb	208	661728.453	2.677	37.865028	ug/L
Bi	209	329203.586	329203.586		ug/L

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 16:49:40
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.044
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	351085.213	351085.213				ug/L
⌊	Be	9	1.000	-0.000	-0.002793	0.005	164.114	ug/L
⌈	V	51	2243.112	-0.001	-0.043652	0.006	14.392	ug/L
|	Cu	63	150.336	-0.000	-0.003013	0.003	88.562	ug/L
|	Cu	65	78.335	-0.000	-0.003584	0.004	101.719	ug/L
|	Zn	66	124.669	0.000	0.002189	0.011	512.977	ug/L
|	Zn	68	242.673	-0.000	-0.022027	0.031	141.210	ug/L
|>	Ge	72	249202.259	249202.259				ug/L
|	As	75	-110.873	-0.001	-0.120612	0.011	8.902	ug/L
|	Se	77	136.669	0.000	0.085512	0.206	240.631	ug/L
⌊	Se	82	-60.409	-0.000	-0.002912	0.161	5526.695	ug/L
⌈>	Rh	103	298459.009	298459.009				ug/L
|	Ag	107	63.334	0.000	0.006392	0.000	5.173	ug/L
|	Cd	111	6.588	0.000	0.003293	0.002	47.286	ug/L
⌊	Cd	114	8.584	-0.000	-0.000006	0.000	7277.540	ug/L
⌈>	In	115	238761.607	238761.607				ug/L
|	Sb	121	537.692	0.002	0.080349	0.001	0.815	ug/L
⌊	Sb	123	443.515	0.002	0.088595	0.001	0.753	ug/L
⌈	Tl	203	37.000	-0.000	-0.000239	0.001	605.461	ug/L
|	Tl	205	90.335	0.000	0.000303	0.000	137.636	ug/L
|	Pb	208	523.012	-0.000	-0.000497	0.001	131.459	ug/L
⌊>	Bi	209	326769.523	326769.523				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.974
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	100.113
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.972
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.054

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.597

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	352079.946	352079.946		ug/L
	Be	9	0.000	-0.000	-0.007382	ug/L
	V	51	2231.214	-0.002	-0.048795	ug/L
	Cu	63	157.003	-0.000	-0.001798	ug/L
	Cu	65	78.001	-0.000	0.004291	ug/L
	Zn	66	113.008	0.000	-0.010818	ug/L
	Zn	68	226.008	-0.000	-0.049236	ug/L
>	Ge	72	252328.948	252328.948		ug/L
	As	75	-124.478	-0.001	-0.129846	ug/L
	Se	77	181.003	0.000	0.313686	ug/L
	Se	82	61.302	0.000	0.088386	ug/L
>	Rh	103	299638.144	299638.144		ug/L
	Ag	107	64.001	0.000	0.008448	ug/L
	Cd	111	3.474	0.000	0.001538	ug/L
	Cd	114	8.234	-0.000	-0.000101	ug/L
>	In	115	238262.101	238262.101		ug/L
	Sb	121	533.035	0.002	0.079748	ug/L
	Sb	123	443.641	0.002	0.068830	ug/L
	Tl	203	26.000	-0.000	-0.001808	ug/L
	Tl	205	99.008	0.000	0.000761	ug/L
	Pb	208	548.013	0.000	0.000247	ug/L
>	Bi	209	329734.247	329734.247		ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	348882.085	348882.085		ug/L
	Be	9	2.000	0.000	0.001806	ug/L
	V	51	2194.248	-0.001	0.044660	ug/L
	Cu	63	136.003	0.000	0.008072	ug/L
	Cu	65	71.001	-0.000	0.008849	ug/L
	Zn	66	127.002	0.000	0.008294	ug/L
	Zn	68	234.008	-0.000	-0.028736	ug/L
>	Ge	72	243378.898	243378.898		ug/L
	As	75	-112.428	-0.001	-0.123156	ug/L
	Se	77	129.002	0.000	0.029129	ug/L
	Se	82	-84.801	-0.000	-0.187332	ug/L
>	Rh	103	295728.616	295728.616		ug/L
	Ag	107	65.001	0.000	0.008693	ug/L
	Cd	111	8.613	0.000	0.004473	ug/L
	Cd	114	10.414	0.000	0.000486	ug/L
>	In	115	240052.686	240052.686		ug/L
	Sb	121	540.026	0.002	0.080252	ug/L
	Sb	123	448.283	0.002	0.068113	ug/L
	Tl	203	46.001	0.000	0.001061	ug/L
	Tl	205	88.001	0.000	0.000207	ug/L
	Pb	208	508.012	-0.000	-0.000878	ug/L
>	Bi	209	324342.881	324342.881		ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	352283.630	352283.630		ug/L
	Be	9	1.000	-0.000	-0.002823	ug/L
	V	51	2303.875	-0.001	-0.038639	ug/L
	Cu	63	158.003	-0.000	-0.001186	ug/L
	Cu	65	86.001	0.000	0.000349	ug/L
	Zn	66	134.002	0.000	0.010784	ug/L
	Zn	68	269.008	0.000	0.011884	ug/L
>	Ge	72	249803.938	249803.938		ug/L
	As	75	96.716	-0.001	-0.108831	ug/L
	Se	77	120.002	-0.000	-0.085188	ug/L
	Se	82	-46.326	0.000	0.109209	ug/L
>	Rh	103	300022.288	300022.288		ug/L
	Ag	107	61.001	0.000	0.008038	ug/L
	Cd	111	7.678	0.000	0.003879	ug/L
	Cd	114	7.108	-0.000	-0.000378	ug/L
>	In	115	237870.036	237870.036		ug/L
	Sb	121	540.026	0.002	0.081048	ug/L
	Sb	123	438.640	0.002	0.067843	ug/L
	Tl	203	39.000	0.000	0.000039	ug/L
	Tl	205	84.001	-0.000	0.000068	ug/L
	Pb	208	518.012	-0.000	0.000760	ug/L
>	Bi	209	326231.762	326231.762		ug/L

: 00549

Sample Information

Sample ID: 1001061-BLK2
Autosampler Position: 39
Sample Date/Time: Monday, February 22, 2010 17:55:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001061-BLK2.045
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	366023.621	366023.621				ug/L
⌊	Be	9	1.000	-0.000	-0.002993	0.000	1.404	ug/L
⌈	V	51	2468.753	-0.001	-0.023065	0.008	35.114	ug/L
|	Cu	63	543.026	0.001	0.092418	0.006	5.961	ug/L
|	Cu	65	274.008	0.001	0.095736	0.006	6.050	ug/L
|	Zn	66	2179.354	0.008	1.932417	0.013	0.663	ug/L
|	Zn	68	1676.547	0.006	1.821808	0.094	5.168	ug/L
|>	Ge	72	256086.656	256086.656				ug/L
|	As	75	-76.697	-0.000	-0.092988	0.040	42.602	ug/L
|	Se	77	140.003	0.000	0.082241	0.062	75.678	ug/L
⌊	Se	82	-52.776	0.000	0.064260	0.051	79.584	ug/L
⌈>	Rh	103	308374.377	308374.377				ug/L
|	Ag	107	19.334	0.000	0.000450	0.000	42.455	ug/L
|	Cd	111	6.941	0.000	0.003353	0.002	59.407	ug/L
⌊	Cd	114	6.287	-0.000	-0.000616	0.001	213.232	ug/L
⌈>	In	115	248849.633	248849.633				ug/L
|	Sb	121	82.668	0.000	0.002804	0.000	13.353	ug/L
⌊	Sb	123	55.996	0.000	0.002517	0.001	39.132	ug/L
⌈	Tl	203	44.001	0.000	0.000560	0.001	117.605	ug/L
|	Tl	205	103.668	0.000	0.000918	0.000	14.136	ug/L
|	Pb	208	626.017	0.000	0.003215	0.001	16.943	ug/L
⌊>	Bi	209	336067.757	336067.757				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	101.100
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	102.879
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	103.293
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	102.197

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	101.403

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	388077.088	388077.088		ug/L
Be	9	1.000	-0.000	-0.002984	ug/L
V	51	2387.138	-0.001	-0.002417	ug/L
Cu	63	533.025	0.001	0.089808	ug/L
Cu	65	273.008	0.001	0.089088	ug/L
Zn	66	2187.367	0.008	1.937620	ug/L
Zn	68	1598.196	0.006	1.719446	ug/L
Ge	72	256374.351	256374.351		ug/L
As	75	-74.084	0.000	-0.080811	ug/L
Se	77	133.003	0.000	0.011527	ug/L
Se	82	51.443	0.000	0.074212	ug/L
Rh	103	311343.765	311343.765		ug/L
Ag	107	19.000	0.000	0.000384	ug/L
Cd	111	11.103	0.000	0.005671	ug/L
Cd	114	10.842	0.000	0.000430	ug/L
In	115	246681.304	246681.304		ug/L
Sb	121	64.001	0.000	0.003144	ug/L
Sb	123	52.120	0.000	0.001788	ug/L
Tl	203	40.001	-0.000	-0.000081	ug/L
Tl	205	107.002	0.000	0.000889	ug/L
Pb	208	647.018	0.000	0.003811	ug/L
Bi	209	342208.984	342208.984		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	388614.478	388614.478		ug/L
Be	9	1.000	-0.000	-0.003034	ug/L
V	51	2511.897	-0.001	-0.018297	ug/L
Cu	63	529.025	0.001	0.088702	ug/L
Cu	65	264.008	0.001	0.080314	ug/L
Zn	66	2188.361	0.008	1.917829	ug/L
Zn	68	1686.215	0.006	1.841292	ug/L
Ge	72	256816.832	256816.832		ug/L
As	75	-75.083	-0.000	-0.054452	ug/L
Se	77	148.003	0.000	0.128899	ug/L
Se	82	-46.474	0.000	0.108894	ug/L
Rh	103	308336.366	308336.366		ug/L
Ag	107	21.000	0.000	0.000885	ug/L
Cd	111	3.923	0.000	0.001718	ug/L
Cd	114	-0.003	-0.000	-0.002088	ug/L
In	115	251309.611	251309.611		ug/L
Sb	121	81.001	0.000	0.002403	ug/L
Sb	123	54.623	0.000	0.002114	ug/L
Tl	203	43.001	0.000	0.000837	ug/L
Tl	205	103.002	0.000	0.000887	ug/L
Pb	208	620.016	0.000	0.003439	ug/L
Bi	209	330048.312	330048.312		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	382479.328	382479.328		ug/L
Be	9	1.000	-0.000	-0.002980	ug/L
V	51	2497.226	-0.001	0.018483	ug/L
Cu	63	567.028	0.002	0.098748	ug/L
Cu	65	285.009	0.001	0.101838	ug/L
Zn	66	2182.358	0.008	1.941803	ug/L
Zn	68	1735.228	0.006	1.904888	ug/L
Ge	72	255268.783	255268.783		ug/L
As	75	-130.953	-0.001	-0.133800	ug/L
Se	77	143.003	0.000	0.105498	ug/L
Se	82	80.412	0.000	0.008875	ug/L
Rh	103	305444.002	305444.002		ug/L
Ag	107	18.000	0.000	0.000301	ug/L
Cd	111	5.788	0.000	0.002788	ug/L
Cd	114	8.024	0.000	-0.000182	ug/L
In	115	248656.084	248656.084		ug/L
Sb	121	83.001	0.000	0.002986	ug/L
Sb	123	51.246	0.000	0.003640	ug/L
Tl	203	48.001	0.000	0.001234	ug/L
Tl	205	101.002	0.000	0.000788	ug/L
Pb	208	611.016	0.000	0.002594	ug/L
Bi	209	335946.994	335946.994		ug/L

: 00551

Sample Information

Sample ID: 1001061-BS2
Autosampler Position: 40
Sample Date/Time: Monday, February 22, 2010 17:58:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001061-BS2.046
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	362438.255	362438.255				ug/L
	Be	9	3812.389	0.011	16.815158	0.467	2.776	ug/L
	V	51	145465.876	0.568	18.298986	0.337	1.840	ug/L
	Cu	63	76590.199	0.304	19.109619	0.087	0.453	ug/L
	Cu	65	36269.219	0.144	18.906431	0.190	1.004	ug/L
	Zn	66	19937.320	0.079	18.987095	0.087	0.458	ug/L
	Zn	68	14637.463	0.057	18.913263	0.179	0.945	ug/L
>	Ge	72	251473.340	251473.340				ug/L
	As	75	24034.658	0.095	18.176517	0.264	1.454	ug/L
	Se	77	1915.943	0.007	17.990150	0.049	0.274	ug/L
	Se	82	2391.018	0.010	17.694556	0.675	3.817	ug/L
>	Rh	103	302161.169	302161.169				ug/L
	Ag	107	140385.879	0.465	18.460312	0.227	1.230	ug/L
	Cd	111	32175.450	0.107	17.889210	0.372	2.077	ug/L
	Cd	114	75321.815	0.249	18.022749	0.214	1.187	ug/L
>	In	115	245204.820	245204.820				ug/L
	Sb	121	111099.297	0.453	18.293009	0.448	2.450	ug/L
	Sb	123	84912.625	0.346	18.250764	0.374	2.049	ug/L
	Tl	203	135605.143	0.411	18.641178	0.590	3.166	ug/L
	Tl	205	324429.073	0.982	18.798121	0.483	2.569	ug/L
	Pb	208	434298.118	1.313	18.577794	0.419	2.253	ug/L
>	Bi	209	330410.769	330410.769				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.110
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	101.026
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.212
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	100.700

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.696

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	387303.686	387303.686		ug/L
	Be	9	3908.108	0.011	17.008618	ug/L
	V	51	147671.703	0.579	18.636040	ug/L
	Cu	63	78719.575	0.306	19.208287	ug/L
	Cu	65	35767.686	0.142	18.710280	ug/L
	Zn	66	19838.713	0.079	18.880710	ug/L
	Zn	68	14568.988	0.057	18.890288	ug/L
>	Ge	72	250681.409	250681.409		ug/L
	As	75	23846.887	0.095	18.174820	ug/L
	Se	77	1813.276	0.007	18.031101	ug/L
	Se	82	2414.151	0.010	17.820822	ug/L
>	Rh	103	304798.272	304798.272		ug/L
	Ag	107	140781.408	0.462	18.351299	ug/L
	Cd	111	31881.633	0.105	17.588128	ug/L
	Cd	114	75398.972	0.247	17.883307	ug/L
>	In	115	246858.884	246858.884		ug/L
	Sb	121	109058.350	0.443	17.848110	ug/L
	Sb	123	83414.438	0.338	17.821708	ug/L
	Tl	203	134888.859	0.397	18.032821	ug/L
	Tl	205	325208.846	0.956	18.330302	ug/L
	Pb	208	428044.241	1.280	18.103784	ug/L
>	Bi	209	339503.389	339503.389		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	358042.707	358042.707		ug/L
	Be	9	3848.071	0.011	17.153887	ug/L
	V	51	146234.806	0.588	18.300336	ug/L
	Cu	63	78780.008	0.303	19.062563	ug/L
	Cu	65	36483.298	0.144	18.918779	ug/L
	Zn	66	20142.652	0.079	19.084116	ug/L
	Zn	68	14567.025	0.057	18.747217	ug/L
>	Ge	72	252781.611	252781.611		ug/L
	As	75	23811.086	0.094	17.913136	ug/L
	Se	77	1927.279	0.007	18.003870	ug/L
	Se	82	2297.928	0.009	16.938088	ug/L
>	Rh	103	304538.535	304538.535		ug/L
	Ag	107	140341.682	0.461	18.306277	ug/L
	Cd	111	32276.412	0.106	17.801864	ug/L
	Cd	114	75472.736	0.248	17.915836	ug/L
>	In	115	243473.831	243473.831		ug/L
	Sb	121	113052.782	0.464	18.745268	ug/L
	Sb	123	86118.002	0.349	18.423894	ug/L
	Tl	203	135618.649	0.411	18.678034	ug/L
	Tl	205	323266.328	0.961	18.768300	ug/L
	Pb	208	436882.284	1.324	18.732963	ug/L
>	Bi	209	329583.523	329583.523		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	361988.356	361988.356		ug/L
	Be	9	3686.988	0.010	16.282870	ug/L
	V	51	142581.119	0.568	17.981582	ug/L
	Cu	63	76291.017	0.303	18.087018	ug/L
	Cu	65	36556.673	0.145	18.088220	ug/L
	Zn	66	19829.686	0.078	18.916480	ug/L
	Zn	68	14736.374	0.058	19.102308	ug/L
>	Ge	72	251046.988	251046.988		ug/L
	As	75	24344.211	0.097	18.441788	ug/L
	Se	77	1807.274	0.007	17.938480	ug/L
	Se	82	2480.974	0.010	18.227856	ug/L
>	Rh	103	297146.701	297146.701		ug/L
	Ag	107	140024.846	0.471	18.721358	ug/L
	Cd	111	32368.304	0.106	18.298849	ug/L
	Cd	114	75082.740	0.253	18.298104	ug/L
>	In	115	245481.745	245481.745		ug/L
	Sb	121	111185.780	0.453	18.284648	ug/L
	Sb	123	86208.438	0.351	18.508888	ug/L
	Tl	203	136333.122	0.423	19.211578	ug/L
	Tl	205	324813.246	1.008	19.294781	ug/L
	Pb	208	430857.628	1.336	18.898664	ug/L
>	Bi	209	322148.384	322148.384		ug/L

: 00553

Sample Information

Sample ID: 1002038-01
Autosampler Position: 41
Sample Date/Time: Monday, February 22, 2010 18:07:05
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-01.047
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	355407.491	355407.491				ug/L
	Be	9	3.667	0.000	0.009009	0.017	186.168	ug/L
	V	51	9654.916	0.028	0.904596	0.011	1.163	ug/L
	Cu	63	3230.430	0.012	0.767788	0.015	1.947	ug/L
	Cu	65	1585.859	0.006	0.784797	0.013	1.691	ug/L
	Zn	66	2459.448	0.009	2.241404	0.034	1.538	ug/L
	Zn	68	2009.303	0.007	2.302488	0.027	1.168	ug/L
>	Ge	72	251162.110	251162.110				ug/L
	As	75	711.887	0.003	0.504085	0.047	9.269	ug/L
	Se	77	142.336	0.000	0.133466	0.112	83.939	ug/L
	Se	82	-42.786	0.000	0.128665	0.105	81.517	ug/L
>	Rh	103	306534.475	306534.475				ug/L
	Ag	107	87.335	0.000	0.009280	0.000	4.686	ug/L
	Cd	111	25.050	0.000	0.013288	0.004	30.400	ug/L
	Cd	114	21.118	0.000	0.002888	0.002	82.288	ug/L
>	In	115	245771.873	245771.873				ug/L
	Sb	121	369.347	0.001	0.050085	0.003	5.596	ug/L
	Sb	123	269.378	0.001	0.048413	0.007	15.284	ug/L
	Tl	203	61.001	0.000	0.002918	0.001	17.720	ug/L
	Tl	205	139.336	0.000	0.003013	0.000	6.941	ug/L
	Pb	208	7397.578	0.021	0.290710	0.006	2.139	ug/L
>	Bi	209	333496.384	333496.384				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	98.168
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.901
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.677
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	100.933

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.627

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	356229.110	356229.110		ug/L
	Be	9	2.000	0.000	0.001617	ug/L
	V	51	9563.618	0.028	0.883238	ug/L
	Cu	63	3161.731	0.012	0.750812	ug/L
	Cu	65	1566.186	0.006	0.768488	ug/L
	Zn	66	2419.434	0.009	2.203586	ug/L
	Zn	68	1986.298	0.007	2.271539	ug/L
>	Ge	72	251088.702	251088.702		ug/L
	As	75	788.425	0.003	0.545008	ug/L
	Se	77	143.003	0.000	0.139886	ug/L
	Se	82	-46.609	0.000	0.108790	ug/L
>	Rh	103	308974.102	308974.102		ug/L
	Ag	107	86.001	0.000	0.008019	ug/L
	Cd	111	33.716	0.000	0.017910	ug/L
	Cd	114	29.228	0.000	0.004752	ug/L
>	In	115	247418.673	247418.673		ug/L
	Sb	121	363.013	0.001	0.048849	ug/L
	Sb	123	309.380	0.001	0.056585	ug/L
	Tl	203	62.001	0.000	0.002999	ug/L
	Tl	205	138.003	0.000	0.002780	ug/L
	Pb	208	7389.681	0.020	0.283789	ug/L
>	Bi	209	339683.676	339683.676		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	350299.516	350299.516		ug/L
	Be	9	1.000	-0.000	-0.002797	ug/L
	V	51	9596.514	0.028	0.806680	ug/L
	Cu	63	3229.762	0.012	0.773582	ug/L
	Cu	65	1587.192	0.006	0.791884	ug/L
	Zn	66	2471.452	0.009	2.271046	ug/L
	Zn	68	2007.302	0.007	2.320111	ug/L
>	Ge	72	249251.723	249251.723		ug/L
	As	75	639.681	0.002	0.453178	ug/L
	Se	77	152.003	0.000	0.242084	ug/L
	Se	82	55.380	0.000	0.035140	ug/L
>	Rh	103	304802.444	304802.444		ug/L
	Ag	107	85.001	0.000	0.008040	ug/L
	Cd	111	19.686	0.000	0.010435	ug/L
	Cd	114	24.400	0.000	0.003700	ug/L
>	In	115	245785.344	245785.344		ug/L
	Sb	121	388.014	0.001	0.053316	ug/L
	Sb	123	260.252	0.001	0.048464	ug/L
	Tl	203	64.001	0.000	0.003448	ug/L
	Tl	205	138.003	0.000	0.003043	ug/L
	Pb	208	7342.566	0.021	0.292583	ug/L
>	Bi	209	328979.611	328979.611		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	359887.848	359887.848		ug/L
	Be	9	8.000	0.000	0.028207	ug/L
	V	51	9804.614	0.028	0.814001	ug/L
	Cu	63	3300.786	0.012	0.778870	ug/L
	Cu	65	1614.198	0.006	0.783037	ug/L
	Zn	66	2487.468	0.009	2.248800	ug/L
	Zn	68	2035.310	0.007	2.315813	ug/L
>	Ge	72	253137.908	253137.908		ug/L
	As	75	730.564	0.003	0.514073	ug/L
	Se	77	132.003	0.000	0.018319	ug/L
	Se	82	-27.378	0.000	0.242084	ug/L
>	Rh	103	305828.878	305828.878		ug/L
	Ag	107	91.001	0.000	0.009782	ug/L
	Cd	111	21.737	0.000	0.011518	ug/L
	Cd	114	9.727	0.000	0.000212	ug/L
>	In	115	244113.602	244113.602		ug/L
	Sb	121	356.012	0.001	0.048282	ug/L
	Sb	123	238.503	0.001	0.042188	ug/L
	Tl	203	57.001	0.000	0.002411	ug/L
	Tl	205	142.003	0.000	0.003206	ug/L
	Pb	208	7480.588	0.021	0.296769	ug/L
>	Bi	209	331825.866	331825.866		ug/L

Sample ID: 1002038-01
Report Date/Time: Monday, February 22, 2010 18:08:52

Sample Information

Sample ID: 1002038-02
Autosampler Position: 42
Sample Date/Time: Monday, February 22, 2010 18:10:34
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-02.048
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	355588.077	355588.077				ug/L
	Be	9	0.667	-0.000	-0.004386	0.003	58.777	ug/L
	V	51	4665.770	0.008	0.259360	0.008	3.066	ug/L
	Cu	63	2639.847	0.010	0.614054	0.010	1.691	ug/L
	Cu	65	1328.137	0.005	0.643648	0.015	2.303	ug/L
	Zn	66	1500.839	0.005	1.308722	0.050	3.822	ug/L
	Zn	68	1620.533	0.005	1.771226	0.063	3.534	ug/L
>	Ge	72	253445.022	253445.022				ug/L
	As	75	435.223	0.002	0.291459	0.018	6.153	ug/L
	Se	77	140.003	0.000	0.096522	0.172	178.389	ug/L
	Se	82	-44.586	0.000	0.118830	0.121	101.506	ug/L
>	Rh	103	303023.540	303023.540				ug/L
	Ag	107	47.334	0.000	0.004157	0.001	30.866	ug/L
	Cd	111	13.371	0.000	0.006994	0.002	32.251	ug/L
	Cd	114	35.688	0.000	0.006441	0.002	33.443	ug/L
>	In	115	244918.124	244918.124				ug/L
	Sb	121	1237.786	0.005	0.193535	0.001	0.610	ug/L
	Sb	123	937.943	0.004	0.192578	0.004	2.172	ug/L
	Tl	203	32.334	-0.000	-0.000961	0.000	18.367	ug/L
	Tl	205	66.001	-0.000	-0.001173	0.000	29.528	ug/L
	Pb	208	861.029	0.001	0.013631	0.003	19.941	ug/L
>	Bi	209	331647.057	331647.057				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	98.218
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	101.818
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.501
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	100.583

: 00556

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	100.069

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	358833.875	358833.875		ug/L
Be	9	1.000	-0.000	-0.002906	ug/L
V	51	4667.980	0.008	0.262322	ug/L
Cu	63	2641.515	0.010	0.617346	ug/L
Cu	65	1325.138	0.005	0.648228	ug/L
Zn	66	1466.163	0.005	1.274240	ug/L
Zn	68	1686.211	0.008	1.840908	ug/L
Ge	72	252316.581	252316.581		ug/L
As	75	449.089	0.002	0.300287	ug/L
Se	77	155.003	0.000	0.253445	ug/L
Se	82	63.733	-0.000	-0.020039	ug/L
Rh	103	307914.788	307914.788		ug/L
Ag	107	56.001	0.000	0.005188	ug/L
Cd	111	13.407	0.000	0.008885	ug/L
Cd	114	28.343	0.000	0.004802	ug/L
In	115	245177.438	245177.438		ug/L
Sb	121	1243.121	0.005	0.184189	ug/L
Sb	123	981.318	0.004	0.197391	ug/L
Tl	203	33.000	-0.000	-0.000981	ug/L
Tl	205	61.001	-0.000	-0.001561	ug/L
Pb	208	808.026	0.001	0.010494	ug/L
Bi	209	339800.843	339800.842		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	357550.988	357550.988		ug/L
Be	9	1.000	-0.000	-0.002888	ug/L
V	51	4573.816	0.008	0.260353	ug/L
Cu	63	2661.522	0.010	0.622381	ug/L
Cu	65	1292.130	0.005	0.626099	ug/L
Zn	66	1554.186	0.006	1.369083	ug/L
Zn	68	1573.189	0.006	1.716720	ug/L
Ge	72	252293.807	252293.807		ug/L
As	75	446.031	0.002	0.300287	ug/L
Se	77	121.002	0.000	-0.087889	ug/L
Se	82	-33.482	0.000	0.197516	ug/L
Rh	103	300603.888	300603.888		ug/L
Ag	107	36.000	0.000	0.002719	ug/L
Cd	111	17.383	0.000	0.008297	ug/L
Cd	114	45.589	0.000	0.008881	ug/L
In	115	248213.804	248213.804		ug/L
Sb	121	1246.121	0.005	0.185171	ug/L
Sb	123	937.567	0.004	0.189817	ug/L
Tl	203	31.000	-0.000	-0.001127	ug/L
Tl	205	71.001	-0.000	0.000871	ug/L
Pb	208	893.030	0.001	0.015117	ug/L
Bi	209	330253.432	330253.432		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	350379.280	350379.280		ug/L
Be	9	0.000	-0.000	-0.007362	ug/L
V	51	4755.514	0.008	0.268405	ug/L
Cu	63	2618.508	0.010	0.602424	ug/L
Cu	65	1367.144	0.005	0.667816	ug/L
Zn	66	1490.170	0.005	1.265842	ug/L
Zn	68	1622.200	0.005	1.754481	ug/L
Ge	72	256724.887	256724.887		ug/L
As	75	471.568	0.001	0.270824	ug/L
Se	77	144.003	0.000	0.123789	ug/L
Se	82	-36.544	0.000	0.179012	ug/L
Rh	103	300651.938	300651.938		ug/L
Ag	107	50.001	0.000	0.004567	ug/L
Cd	111	9.323	0.000	0.004788	ug/L
Cd	114	32.133	0.000	0.005840	ug/L
In	115	241363.130	241363.130		ug/L
Sb	121	1224.117	0.005	0.184248	ug/L
Sb	123	914.942	0.004	0.190527	ug/L
Tl	203	33.000	-0.000	-0.000775	ug/L
Tl	205	66.001	0.000	-0.001097	ug/L
Pb	208	852.030	0.001	0.015282	ug/L
Bi	209	324787.088	324787.088		ug/L

00557

Sample Information

Sample ID: 1002038-03
Autosampler Position: 43
Sample Date/Time: Monday, February 22, 2010 18:14:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-03.049
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	356959.622	356959.622				ug/L
	Be	9	2.000	0.000	0.001571	0.008	492.515	ug/L
	V	51	2850.679	0.001	0.039957	0.017	43.110	ug/L
	Cu	63	1211.448	0.004	0.268779	0.008	3.029	ug/L
	Cu	65	728.378	0.003	0.344352	0.021	6.123	ug/L
	Zn	66	796.052	0.003	0.661973	0.043	6.568	ug/L
	Zn	68	891.398	0.003	0.855092	0.050	5.812	ug/L
>	Ge	72	245923.890	245923.890				ug/L
	As	75	189.265	0.001	0.110927	0.053	47.917	ug/L
	Se	77	132.669	0.000	0.063953	0.044	68.123	ug/L
	Se	82	-51.430	0.000	0.058857	0.162	276.087	ug/L
>	Rh	103	295863.797	295863.797				ug/L
	Ag	107	34.667	0.000	0.002611	0.001	33.957	ug/L
	Cd	111	2.292	0.000	0.000901	0.003	365.164	ug/L
	Cd	114	15.140	0.000	0.001608	0.001	53.387	ug/L
>	In	115	236828.456	236828.456				ug/L
	Sb	121	316.677	0.001	0.043411	0.002	4.663	ug/L
	Sb	123	243.836	0.001	0.044996	0.009	19.230	ug/L
	Tl	203	31.667	-0.000	-0.000951	0.001	55.365	ug/L
	Tl	205	75.334	-0.000	-0.000541	0.001	123.690	ug/L
	Pb	208	804.694	0.001	0.011949	0.006	49.381	ug/L
>	Bi	209	324566.281	324566.281				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	98.596
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.796
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.103
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	97.260

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.933

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	354784.008	354784.008		ug/L
Be	9	0.000	-0.000	0.007382	ug/L
V	51	2763.186	0.001	0.022378	ug/L
Cu	63	1236.120	0.004	0.270880	ug/L
Cu	65	746.046	0.003	0.347203	ug/L
Zn	66	781.046	0.003	0.615077	ug/L
Zn	68	907.087	0.003	0.858879	ug/L
Ge	72	250031.278	250031.278		ug/L
As	75	150.534	0.000	0.078873	ug/L
Se	77	133.003	0.000	0.044853	ug/L
Se	82	-60.480	-0.000	-0.000890	ug/L
Rh	103	295867.773	295867.773		ug/L
Ag	107	40.001	0.000	0.003335	ug/L
Cd	111	6.103	0.000	0.003048	ug/L
Cd	114	18.043	0.000	0.002325	ug/L
In	115	239760.944	239760.944		ug/L
Sb	121	307.010	0.001	0.041108	ug/L
Sb	123	238.251	0.001	0.043048	ug/L
Tl	203	29.000	0.000	0.001434	ug/L
Tl	205	70.001	0.000	-0.000982	ug/L
Pb	208	764.023	0.001	0.008903	ug/L
Bi	209	332827.388	332827.388		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	357815.056	357815.056		ug/L
Be	9	3.000	0.000	0.008064	ug/L
V	51	2648.938	0.001	0.040688	ug/L
Cu	63	1234.119	0.004	0.275795	ug/L
Cu	65	984.040	0.002	0.321988	ug/L
Zn	66	833.067	0.003	0.700840	ug/L
Zn	68	851.068	0.002	0.804988	ug/L
Ge	72	245008.801	245008.801		ug/L
As	75	267.615	0.001	0.172281	ug/L
Se	77	137.003	0.000	0.113807	ug/L
Se	82	-26.411	0.000	0.242728	ug/L
Rh	103	298040.340	298040.340		ug/L
Ag	107	37.000	0.000	0.002875	ug/L
Cd	111	4.386	-0.000	-0.002888	ug/L
Cd	114	16.261	0.000	0.001844	ug/L
In	115	233588.813	233588.813		ug/L
Sb	121	321.010	0.001	0.044888	ug/L
Sb	123	282.631	0.001	0.054456	ug/L
Tl	203	31.000	-0.000	-0.001030	ug/L
Tl	205	88.001	0.000	0.000231	ug/L
Pb	208	958.036	0.001	0.018781	ug/L
Bi	209	322883.629	322883.629		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	358498.804	358498.804		ug/L
Be	9	3.000	0.000	0.008021	ug/L
V	51	2941.935	0.002	0.056806	ug/L
Cu	63	1161.108	0.004	0.258852	ug/L
Cu	65	755.047	0.003	0.383888	ug/L
Zn	66	784.052	0.003	0.669802	ug/L
Zn	68	916.088	0.003	0.904341	ug/L
Ge	72	242731.791	242731.791		ug/L
As	75	148.648	0.000	0.081625	ug/L
Se	77	128.002	0.000	0.093198	ug/L
Se	82	67.388	-0.000	0.065486	ug/L
Rh	103	292893.278	292893.278		ug/L
Ag	107	27.000	0.000	0.001622	ug/L
Cd	111	5.168	0.000	0.002546	ug/L
Cd	114	11.116	0.000	0.000867	ug/L
In	115	237156.609	237156.609		ug/L
Sb	121	322.010	0.001	0.044229	ug/L
Sb	123	210.628	0.001	0.037483	ug/L
Tl	203	35.000	-0.000	0.000390	ug/L
Tl	205	68.001	0.000	0.000992	ug/L
Pb	208	704.021	0.001	0.008194	ug/L
Bi	209	317887.818	317887.818		ug/L

Sample Information

Sample ID: 1002038-04
Autosampler Position: 44
Sample Date/Time: Monday, February 22, 2010 18:17:32
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-04.050
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	354265.133	354265.133				ug/L
	Be	9	1.333	-0.000	-0.001342	0.005	388.483	ug/L
	V	51	8811.201	0.025	-0.808749	0.018	2.203	ug/L
	Cu	63	2796.576	0.011	0.666831	0.022	3.364	ug/L
	Cu	65	1366.811	0.005	0.678007	0.026	3.850	ug/L
	Zn	66	2356.079	0.009	2.166818	0.015	0.709	ug/L
	Zn	68	1933.948	0.007	2.230770	0.066	2.958	ug/L
>	Ge	72	248450.951	248450.951				ug/L
	As	75	468.218	0.002	0.323216	0.035	10.747	ug/L
	Se	77	139.003	0.000	0.114795	0.131	113.891	ug/L
	Se	82	-69.637	-0.000	-0.070466	0.072	102.007	ug/L
>	Rh	103	297749.771	297749.771				ug/L
	Ag	107	30.000	0.000	0.001963	0.000	13.088	ug/L
	Cd	111	16.632	0.000	0.008967	0.001	9.810	ug/L
	Cd	114	18.604	0.000	0.002427	0.001	46.125	ug/L
>	In	115	240188.108	240188.108				ug/L
	Sb	121	268.674	0.001	0.034543	0.003	7.344	ug/L
	Sb	123	223.087	0.001	0.039618	0.001	3.367	ug/L
	Tl	203	52.001	0.000	0.001773	0.001	72.264	ug/L
	Tl	205	121.669	0.000	0.002072	0.000	24.044	ug/L
	Pb	208	11049.453	0.032	0.450783	0.004	0.980	ug/L
>	Bi	209	329825.930	329825.930				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.852
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.811
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.734
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.640

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.520

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	354308.411	354308.411		ug/L
Be	9	0.000	-0.000	0.007382	ug/L
V	51	8642.516	0.029	0.619622	ug/L
Cu	63	2734.561	0.016	0.656186	ug/L
Cu	65	1333.138	0.008	0.664338	ug/L
Zn	66	2343.408	0.008	2.187870	ug/L
Zn	68	1673.264	0.007	2.184829	ug/L
Ge	72	247003.586	247003.586		ug/L
As	75	430.383	0.002	0.298151	ug/L
Se	77	138.003	0.000	0.112623	ug/L
Se	82	-79.687	0.000	0.147107	ug/L
Rh	103	293246.333	293246.333		ug/L
Ag	107	30.000	0.000	0.002024	ug/L
Cd	111	17.660	0.000	0.009888	ug/L
Cd	114	18.062	0.000	0.002386	ug/L
In	115	241322.768	241322.768		ug/L
Sb	121	279.008	0.001	0.036084	ug/L
Sb	123	230.503	0.001	0.041016	ug/L
Tl	203	42.001	0.000	0.000366	ug/L
Tl	205	129.002	0.000	0.002455	ug/L
Pb	208	10988.387	0.032	0.445708	ug/L
Bi	209	331846.806	331846.806		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	354297.689	354297.689		ug/L
Be	9	2.000	0.000	0.001686	ug/L
V	51	8656.180	0.024	0.788184	ug/L
Cu	63	2898.617	0.011	0.692688	ug/L
Cu	65	1424.156	0.008	0.708110	ug/L
Zn	66	2340.407	0.008	2.150984	ug/L
Zn	68	1634.281	0.007	2.230696	ug/L
Ge	72	248525.042	248525.042		ug/L
As	75	519.388	0.002	0.362384	ug/L
Se	77	152.003	0.000	0.246610	ug/L
Se	82	-60.686	0.000	-0.004564	ug/L
Rh	103	301031.432	301031.432		ug/L
Ag	107	32.000	0.000	0.002183	ug/L
Cd	111	17.268	0.000	0.009218	ug/L
Cd	114	23.580	0.000	0.003076	ug/L
In	115	242980.186	242980.186		ug/L
Sb	121	280.008	0.001	0.035930	ug/L
Sb	123	225.006	0.001	0.039478	ug/L
Tl	203	60.001	0.000	0.002864	ug/L
Tl	205	125.002	0.000	0.002253	ug/L
Pb	208	11141.531	0.032	0.453737	ug/L
Bi	209	330504.663	330504.663		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	354101.299	354101.299		ug/L
Be	9	2.000	0.000	0.001671	ug/L
V	51	8935.687	0.025	0.618543	ug/L
Cu	63	2755.558	0.010	0.652616	ug/L
Cu	65	1343.140	0.006	0.661582	ug/L
Zn	66	2384.422	0.006	2.181630	ug/L
Zn	68	1664.298	0.007	2.298785	ug/L
Ge	72	249824.217	249824.217		ug/L
As	75	454.883	0.002	0.311112	ug/L
Se	77	127.002	0.000	-0.014847	ug/L
Se	82	-68.589	-0.000	-0.058737	ug/L
Rh	103	298871.548	298871.548		ug/L
Ag	107	28.000	0.000	0.001680	ug/L
Cd	111	14.998	0.000	0.007990	ug/L
Cd	114	14.171	0.000	0.001339	ug/L
In	115	236251.381	236251.381		ug/L
Sb	121	247.007	0.001	0.031815	ug/L
Sb	123	213.754	0.001	0.038358	ug/L
Tl	203	54.001	0.000	0.002107	ug/L
Tl	205	111.002	0.000	0.001509	ug/L
Pb	208	11008.441	0.032	0.452908	ug/L
Bi	209	327126.321	327126.321		ug/L

Sample Information

Sample ID: 1002038-05
Autosampler Position: 45
Sample Date/Time: Monday, February 22, 2010 18:21:01
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-05.051
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	352161.115	352161.115				ug/L
⌊	Be	9	12.667	0.000	0.050369	0.016	30.900	ug/L
⌈	V	51	2959.474	0.002	0.051935	0.011	21.418	ug/L
|	Cu	63	24358.712	0.098	6.153358	0.073	1.182	ug/L
|	Cu	65	11865.968	0.048	6.261308	0.116	1.850	ug/L
|	Zn	66	88267.583	0.356	85.910476	0.578	0.673	ug/L
|	Zn	68	67438.533	0.272	89.891396	0.384	0.428	ug/L
|>	Ge	72	247259.978	247259.978				ug/L
|	As	75	727.491	0.003	0.524779	0.025	4.770	ug/L
|	Se	77	134.003	0.000	0.070248	0.099	140.389	ug/L
⌊	Se	82	-63.194	-0.000	-0.025182	0.087	345.983	ug/L
⌈>	Rh	103	301374.165	301374.165				ug/L
|	Ag	107	28.000	0.000	0.001651	0.000	20.935	ug/L
|	Cd	111	339.058	0.001	0.188564	0.009	4.698	ug/L
⌊	Cd	114	756.171	0.002	0.179302	0.012	6.455	ug/L
⌈>	In	115	241234.515	241234.515				ug/L
|	Sb	121	879.063	0.003	0.136587	0.004	2.794	ug/L
⌊	Sb	123	690.495	0.003	0.141557	0.004	2.759	ug/L
⌈	Tl	203	525.691	0.001	0.066904	0.005	7.933	ug/L
|	Tl	205	1306.132	0.004	0.070685	0.002	2.479	ug/L
|	Pb	208	4578.614	0.012	0.172925	0.008	4.481	ug/L
⌊>	Bi	209	330552.620	330552.620				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.271
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.333
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.948
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.070

: 00562

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.739

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	380813.471	380813.471		ug/L
Be	9	9.000	0.000	0.032583	ug/L
V	51	2880.423	0.001	0.038187	ug/L
Cu	63	24030.586	0.097	6.071998	ug/L
Cu	65	11715.717	0.047	6.183160	ug/L
Zn	66	87817.407	0.356	86.467775	ug/L
Zn	68	67540.488	0.272	90.088634	ug/L
Ge	72	247180.583	247180.583		ug/L
As	75	764.380	0.003	0.553411	ug/L
Se	77	148.005	0.000	0.183322	ug/L
Se	82	-87.569	-0.000	-0.087722	ug/L
Rh	103	300298.384	300298.384		ug/L
Ag	107	29.000	0.000	0.001788	ug/L
Cd	111	335.982	0.001	0.187518	ug/L
Cd	114	701.020	0.002	0.188693	ug/L
In	115	239431.114	239431.114		ug/L
Sb	121	877.083	0.003	0.137348	ug/L
Sb	123	668.680	0.003	0.137243	ug/L
Tl	203	494.022	0.001	0.080776	ug/L
Tl	205	1311.133	0.004	0.080037	ug/L
Pb	208	4494.560	0.012	0.184397	ug/L
Bi	209	338038.103	338038.103		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	347002.247	347002.247		ug/L
Be	9	14.000	0.000	0.057182	ug/L
V	51	2985.273	0.002	0.057184	ug/L
Cu	63	24329.609	0.098	6.176126	ug/L
Cu	65	12058.290	0.049	6.394388	ug/L
Zn	66	86515.968	0.350	86.570779	ug/L
Zn	68	67317.396	0.273	90.188278	ug/L
Ge	72	246062.941	246062.941		ug/L
As	75	701.021	0.003	0.507019	ug/L
Se	77	126.002	0.000	0.025412	ug/L
Se	82	-49.486	0.000	0.073530	ug/L
Rh	103	301302.513	301302.513		ug/L
Ag	107	25.000	0.000	0.001256	ug/L
Cd	111	356.742	0.001	0.197900	ug/L
Cd	114	798.167	0.003	0.186440	ug/L
In	115	241440.158	241440.158		ug/L
Sb	121	900.088	0.003	0.139986	ug/L
Sb	123	685.683	0.003	0.142576	ug/L
Tl	203	545.028	0.002	0.070082	ug/L
Tl	205	1328.137	0.004	0.072518	ug/L
Pb	208	4560.619	0.012	0.174848	ug/L
Bi	209	328008.433	328008.433		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348987.626	348987.626		ug/L
Be	9	15.000	0.000	0.061381	ug/L
V	51	3032.726	0.002	0.059484	ug/L
Cu	63	24715.934	0.099	6.211891	ug/L
Cu	65	11823.898	0.047	6.208378	ug/L
Zn	66	88448.385	0.358	88.682873	ug/L
Zn	68	67457.712	0.270	89.452277	ug/L
Ge	72	248538.428	248538.428		ug/L
As	75	717.082	0.003	0.513911	ug/L
Se	77	128.002	0.000	0.002012	ug/L
Se	82	-72.545	0.000	0.081353	ug/L
Rh	103	302524.587	302524.587		ug/L
Ag	107	30.000	0.000	0.001888	ug/L
Cd	111	325.441	0.001	0.180275	ug/L
Cd	114	769.327	0.003	0.181774	ug/L
In	115	242832.272	242832.272		ug/L
Sb	121	880.080	0.003	0.132447	ug/L
Sb	123	710.181	0.003	0.144863	ug/L
Tl	203	536.028	0.002	0.069879	ug/L
Tl	205	1279.127	0.004	0.070446	ug/L
Pb	208	4650.633	0.013	0.179532	ug/L
Bi	209	324810.325	324810.328		ug/L

: 00563

Sample Information

Sample ID: 1002038-06
Autosampler Position: 46
Sample Date/Time: Monday, February 22, 2010 18:24:30
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-06.052
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	356846.786	356846.786				ug/L
⌊	Be	9	3.667	0.000	0.009064	0.003	27.947	ug/L
⌈	V	51	3164.597	0.002	0.073815	0.010	13.940	ug/L
|	Cu	63	19664.228	0.078	4.901426	0.086	1.752	ug/L
|	Cu	65	9410.958	0.037	4.897405	0.062	1.269	ug/L
|	Zn	66	74259.423	0.296	71.410283	0.623	0.872	ug/L
⌊	Zn	68	53800.392	0.214	70.800833	0.713	1.007	ug/L
|>	Ge	72	250197.163	250197.163				ug/L
|	As	75	579.060	0.002	0.405283	0.021	5.196	ug/L
|	Se	77	132.003	0.000	0.033455	0.070	209.028	ug/L
⌊	Se	82	-54.852	0.000	0.041095	0.121	293.301	ug/L
⌈>	Rh	103	306200.951	306200.951				ug/L
|	Ag	107	175.671	0.001	0.020736	0.004	20.189	ug/L
|	Cd	111	314.701	0.001	0.172187	0.011	6.177	ug/L
⌊	Cd	114	692.775	0.002	0.161526	0.009	5.325	ug/L
⌈>	In	115	242046.901	242046.901				ug/L
|	Sb	121	724.044	0.003	0.110204	0.002	1.693	ug/L
⌊	Sb	123	595.070	0.002	0.120263	0.003	2.572	ug/L
⌈	Tl	203	208.672	0.001	0.023282	0.004	16.273	ug/L
|	Tl	205	520.691	0.001	0.025138	0.001	4.587	ug/L
|	Pb	208	14372.129	0.042	0.591369	0.024	4.076	ug/L
⌊>	Bi	209	331036.445	331036.445				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	98.565
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
⌊	Zn	67.925	
|>	Ge	71.922	100.513
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	102.565
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.403

: 00564

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.885

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	356332.723	356332.723		ug/L
Be	9	4.000	0.000	0.010480	ug/L
V	51	3284.021	0.003	0.083852	ug/L
Cu	63	19467.888	0.077	4.819281	ug/L
Cu	65	9447.339	0.037	4.884032	ug/L
Zn	66	74472.883	0.296	71.139447	ug/L
Zn	68	53984.775	0.213	70.670066	ug/L
Ge	72	251867.814	251867.814		ug/L
As	75	557.823	0.002	0.388186	ug/L
Se	77	140.003	0.000	0.108464	ug/L
Se	82	-73.647	-0.000	-0.082308	ug/L
Rh	103	305085.140	305085.140		ug/L
Ag	107	148.003	0.000	0.017235	ug/L
Cd	111	325.388	0.001	0.178736	ug/L
Cd	114	665.944	0.002	0.160470	ug/L
In	115	244539.384	244539.384		ug/L
Sb	121	737.048	0.003	0.111129	ug/L
Sb	123	616.781	0.002	0.123642	ug/L
Tl	203	184.004	0.000	0.019231	ug/L
Tl	205	511.023	0.001	0.023837	ug/L
Pb	208	14075.608	0.040	0.583588	ug/L
Bi	209	329388.088	329388.088		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
U	6	356342.738	356342.738		ug/L
Be	9	3.000	0.000	0.008140	ug/L
V	51	3136.000	0.002	0.074303	ug/L
Cu	63	19816.849	0.079	4.990878	ug/L
Cu	65	9212.029	0.037	4.843040	ug/L
Zn	66	74237.829	0.298	72.122778	ug/L
Zn	68	53882.783	0.216	71.800307	ug/L
Ge	72	247644.230	247644.230		ug/L
As	75	602.886	0.002	0.427888	ug/L
Se	77	124.002	-0.000	-0.034191	ug/L
Se	82	40.419	0.000	0.142187	ug/L
Rh	103	304788.883	304788.883		ug/L
Ag	107	166.004	0.000	0.019600	ug/L
Cd	111	290.831	0.001	0.159914	ug/L
Cd	114	728.004	0.002	0.170806	ug/L
In	115	241623.631	241623.631		ug/L
Sb	121	730.048	0.003	0.111428	ug/L
Sb	123	590.779	0.002	0.119573	ug/L
Tl	203	210.006	0.001	0.022878	ug/L
Tl	205	528.026	0.001	0.026033	ug/L
Pb	208	14440.816	0.043	0.603824	ug/L
Bi	209	325826.882	325826.882		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	356884.884	356884.884		ug/L
Be	9	4.000	0.000	0.010564	ug/L
V	51	3093.772	0.002	0.083288	ug/L
Cu	63	19708.349	0.078	4.964418	ug/L
Cu	65	9673.807	0.038	4.998142	ug/L
Zn	66	74087.779	0.294	70.988625	ug/L
Zn	68	53563.618	0.212	70.232137	ug/L
Ge	72	251088.453	251088.453		ug/L
As	75	576.662	0.002	0.401798	ug/L
Se	77	132.003	0.000	0.029092	ug/L
Se	82	-50.490	0.000	0.073435	ug/L
Rh	103	308728.829	308728.829		ug/L
Ag	107	213.006	0.001	0.025373	ug/L
Cd	111	327.775	0.001	0.177913	ug/L
Cd	114	684.378	0.002	0.153501	ug/L
In	115	239877.688	239877.688		ug/L
Sb	121	709.042	0.003	0.108098	ug/L
Sb	123	577.662	0.002	0.117573	ug/L
Tl	203	232.008	0.001	0.028738	ug/L
Tl	205	523.024	0.001	0.025844	ug/L
Pb	208	14589.886	0.043	0.609898	ug/L
Bi	209	327918.348	327918.348		ug/L

A

: 00565

Sample Information

Sample ID: 1002038-07
Autosampler Position: 47
Sample Date/Time: Monday, February 22, 2010 18:28:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-07.053
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	361162.488	361162.488				ug/L
	Be	9	16.667	0.000	0.066615	0.022	32.776	ug/L
	V	51	4289.004	0.007	0.219084	0.004	1.648	ug/L
	Cu	63	12503.392	0.049	3.104175	0.018	0.586	ug/L
	Cu	65	6048.954	0.024	3.134780	0.032	1.025	ug/L
	Zn	66	8998.088	0.036	8.556144	0.069	0.811	ug/L
	Zn	68	7018.850	0.027	8.945449	0.070	0.788	ug/L
>	Ge	72	249975.150	249975.150				ug/L
	As	75	75.520	0.000	0.021782	0.047	216.890	ug/L
	Se	77	125.002	-0.000	-0.035764	0.050	140.519	ug/L
	Se	82	-57.209	0.000	0.023434	0.096	407.659	ug/L
>	Rh	103	296540.701	296540.701				ug/L
	Ag	107	31.334	0.000	0.002159	0.001	26.521	ug/L
	Cd	111	59.574	0.000	0.033327	0.002	7.419	ug/L
	Cd	114	112.429	0.000	0.025321	0.001	4.634	ug/L
>	In	115	243283.017	243283.017				ug/L
	Sb	121	364.346	0.001	0.049878	0.001	2.036	ug/L
	Sb	123	282.339	0.001	0.051852	0.001	2.392	ug/L
	Tl	203	73.668	0.000	0.004651	0.000	3.623	ug/L
	Tl	205	188.671	0.000	0.005870	0.001	14.830	ug/L
	Pb	208	3849.778	0.010	0.140384	0.002	1.335	ug/L
>	Bi	209	333107.713	333107.713				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	99.757
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.424
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.329
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	99.911

: 00566

	Sb	120.904
L	Sb	122.904
[	Tl	202.972
	Tl	204.975
	Pb	207.977
L>	Bi	208.980

100.510

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	357333.478	357333.478		ug/L
L	Be	9	22.000	0.000	0.081101	ug/L
[	V	51	4279.836	0.007	0.222000	ug/L
[	Cu	63	12452.970	0.050	3.114787	ug/L
[	Cu	65	6018.588	0.024	3.142937	ug/L
[	Zn	66	8977.729	0.036	8.600827	ug/L
[	Zn	68	7024.523	0.027	9.021863	ug/L
[>	Ge	72	248126.502	248126.502		ug/L
[	As	75	111.864	0.000	0.080127	ug/L
[	Se	77	126.002	-0.000	-0.016240	ug/L
[	Se	82	43.576	0.000	0.119843	ug/L
[>	Rh	103	295677.588	295677.588		ug/L
[	Ag	107	36.000	0.000	0.002797	ug/L
[	Cd	111	64.147	0.000	0.038022	ug/L
L	Cd	114	107.539	0.000	0.024207	ug/L
[>	In	115	245738.327	245738.327		ug/L
[	Sb	121	368.013	0.001	0.048878	ug/L
L	Sb	123	278.631	0.001	0.050438	ug/L
[	Tl	203	77.001	0.000	0.004781	ug/L
[	Tl	205	178.004	0.000	0.004934	ug/L
[	Pb	208	3823.483	0.010	0.138487	ug/L
[>	Bi	209	343486.284	343486.284		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	358383.671	358383.671		ug/L
L	Be	9	15.000	0.000	0.056673	ug/L
[	V	51	4280.012	0.007	0.215046	ug/L
[	Cu	63	12485.027	0.049	3.083180	ug/L
[	Cu	65	6132.693	0.024	3.162048	ug/L
[	Zn	66	9081.661	0.036	8.591299	ug/L
[	Zn	68	7008.507	0.027	8.883249	ug/L
[>	Ge	72	251281.018	251281.018		ug/L
[	As	75	110.538	0.000	0.047973	ug/L
[	Se	77	120.002	0.000	-0.062851	ug/L
[	Se	82	-70.585	0.000	0.071407	ug/L
[>	Rh	103	298224.254	298224.254		ug/L
[	Ag	107	28.000	0.000	0.001698	ug/L
[	Cd	111	58.972	0.000	0.032798	ug/L
[	Cd	114	118.108	0.000	0.026648	ug/L
[>	In	115	241665.078	241665.078		ug/L
[	Sb	121	368.013	0.001	0.050886	ug/L
L	Sb	123	284.631	0.001	0.052756	ug/L
[	Tl	203	73.001	0.000	0.004887	ug/L
[	Tl	205	189.004	0.000	0.008022	ug/L
[	Pb	208	3801.434	0.010	0.140494	ug/L
[>	Bi	209	328641.588	328641.588		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	357760.318	357760.318		ug/L
L	Be	9	13.000	0.000	0.049171	ug/L
[	V	51	4307.186	0.007	0.220208	ug/L
[	Cu	63	12572.180	0.050	3.114568	ug/L
[	Cu	65	5994.574	0.024	3.099357	ug/L
[	Zn	66	8634.674	0.035	8.476209	ug/L
[	Zn	68	7023.522	0.027	8.831147	ug/L
[>	Ge	72	250618.931	250618.931		ug/L
[	As	75	4.058	0.000	-0.032756	ug/L
[	Se	77	129.002	0.000	0.001799	ug/L
[	Se	82	57.467	0.000	0.022087	ug/L
[>	Rh	103	295720.283	295720.283		ug/L
[	Ag	107	30.000	0.000	0.001990	ug/L
[	Cd	111	55.602	0.000	0.031163	ug/L
L	Cd	114	111.644	0.000	0.025208	ug/L
[>	In	115	242445.647	242445.647		ug/L
[	Sb	121	357.012	0.001	0.046864	ug/L
[	Sb	123	283.757	0.001	0.052366	ug/L
[	Tl	203	71.001	0.000	0.004464	ug/L
[	Tl	205	199.005	0.000	0.008656	ug/L
[	Pb	208	3824.436	0.010	0.142201	ug/L
[>	Bi	209	327216.308	327216.308		ug/L

00567

Sample Information

Sample ID: 1002038-08
Autosampler Position: 48
Sample Date/Time: Monday, February 22, 2010 18:31:30
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-08.054
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	358601.607	358601.607				ug/L
	Be	9	2.333	0.000	0.003003	0.010	339.709	ug/L
	V	51	12854.842	0.041	1.317354	0.020	1.548	ug/L
	Cu	63	3770.700	0.014	0.904389	0.019	2.074	ug/L
	Cu	65	1774.905	0.007	0.885129	0.017	1.953	ug/L
	Zn	66	1780.573	0.007	1.592580	0.022	1.358	ug/L
	Zn	68	1619.200	0.005	1.791739	0.066	3.699	ug/L
>	Ge	72	250795.162	250795.162				ug/L
	As	75	713.324	0.003	0.506036	0.020	3.855	ug/L
	Se	77	140.669	0.000	0.117977	0.043	36.275	ug/L
	Se	82	-41.849	0.000	0.134893	0.217	161.047	ug/L
>	Rh	103	302373.748	302373.748				ug/L
	Ag	107	25.000	0.000	0.001245	0.001	55.255	ug/L
	Cd	111	6.314	0.000	0.003090	0.002	53.902	ug/L
	Cd	114	15.395	0.000	0.001591	0.002	118.515	ug/L
>	In	115	243305.258	243305.258				ug/L
	Sb	121	689.374	0.003	0.103812	0.007	6.785	ug/L
	Sb	123	490.602	0.002	0.096977	0.005	4.971	ug/L
	Tl	203	25.667	-0.000	-0.001867	0.001	26.842	ug/L
	Tl	205	67.668	-0.000	-0.001078	0.000	38.787	ug/L
	Pb	208	2459.190	0.006	0.081742	0.001	1.611	ug/L
>	Bi	209	331645.039	331645.039				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	99.050
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.753
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.283
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	99.920

: 00568

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.069

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	361081.125	361081.125		ug/L
Be	9	5.000	0.000	0.014788	ug/L
V	51	13088.368	0.042	1.340884	ug/L
Cu	63	3770.032	0.014	0.898634	ug/L
Cu	65	1777.236	0.007	0.881804	ug/L
Zn	66	1770.237	0.007	1.574480	ug/L
Zn	68	1562.191	0.006	1.733100	ug/L
Ge	72	251981.049	251981.048		ug/L
As	75	738.645	0.003	0.522717	ug/L
Se	77	145.003	0.000	0.156023	ug/L
Se	82	-7.371	0.000	0.385298	ug/L
Rh	103	301692.470	301692.470		ug/L
Ag	107	28.000	0.000	0.001647	ug/L
Cd	111	9.707	0.000	0.004886	ug/L
Cd	114	8.788	0.000	0.000021	ug/L
In	115	244536.749	244536.749		ug/L
Sb	121	727.044	0.003	0.109478	ug/L
Sb	123	478.643	0.002	0.093427	ug/L
Tl	203	23.000	-0.000	-0.002313	ug/L
Tl	205	62.001	-0.000	-0.001491	ug/L
Pb	208	2535.194	0.008	0.082498	ug/L
Bi	209	338502.381	338502.381		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	356781.888	356781.888		ug/L
Be	9	1.000	0.000	-0.002880	ug/L
V	51	12872.574	0.041	1.308161	ug/L
Cu	63	3678.984	0.014	0.888238	ug/L
Cu	65	1797.244	0.007	0.903804	ug/L
Zn	66	1792.243	0.007	1.616589	ug/L
Zn	68	1587.186	0.006	1.778480	ug/L
Ge	72	248934.986	248934.986		ug/L
As	75	679.887	0.003	0.484582	ug/L
Se	77	135.003	0.000	0.071130	ug/L
Se	82	60.647	-0.000	-0.003787	ug/L
Rh	103	303008.382	303008.382		ug/L
Ag	107	19.000	0.000	0.000481	ug/L
Cd	111	5.133	0.000	0.002426	ug/L
Cd	114	24.178	0.000	0.003582	ug/L
In	115	242275.795	242275.795		ug/L
Sb	121	539.036	0.002	0.095428	ug/L
Sb	123	479.643	0.002	0.096039	ug/L
Tl	203	25.000	0.000	-0.001984	ug/L
Tl	205	75.001	-0.000	-0.000888	ug/L
Pb	208	2475.199	0.008	0.082508	ug/L
Bi	209	331446.859	331446.859		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	357981.788	357981.788		ug/L
Be	9	1.000	-0.000	-0.002996	ug/L
V	51	12792.584	0.041	1.305007	ug/L
Cu	63	3663.083	0.013	0.925008	ug/L
Cu	65	1750.232	0.007	0.868677	ug/L
Zn	66	1776.238	0.007	1.588831	ug/L
Zn	68	1578.214	0.006	1.863857	ug/L
Ge	72	251469.482	251469.482		ug/L
As	75	721.431	0.003	0.510809	ug/L
Se	77	142.003	0.000	0.127778	ug/L
Se	82	-57.529	0.000	0.023188	ug/L
Rh	103	302422.392	302422.392		ug/L
Ag	107	28.000	0.000	0.001638	ug/L
Cd	111	4.102	0.000	0.001858	ug/L
Cd	114	13.207	0.000	0.001970	ug/L
In	115	243103.230	243103.230		ug/L
Sb	121	702.042	0.003	0.106032	ug/L
Sb	123	515.520	0.002	0.102486	ug/L
Tl	203	29.000	-0.000	-0.001328	ug/L
Tl	205	66.001	-0.000	-0.001087	ug/L
Pb	208	2367.177	0.008	0.080222	ug/L
Bi	209	323986.908	323986.908		ug/L

: 00569

Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 22, 2010 18:35:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.055
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	353046.708	353046.708				ug/L
⌊	Be	9	8054.620	0.023	36.479793	0.680	1.865	ug/L
⌈	V	51	284444.096	1.150	37.033379	0.116	0.313	ug/L
|	Cu	63	151337.982	0.617	38.770311	0.533	1.374	ug/L
|	Cu	65	72397.133	0.295	38.752726	0.358	0.924	ug/L
|	Zn	66	39020.686	0.159	38.234897	0.562	1.469	ug/L
|	Zn	68	28542.869	0.115	38.169107	0.287	0.752	ug/L
|>	Ge	72	245194.981	245194.981				ug/L
|	As	75	50218.154	0.205	38.989341	0.585	1.500	ug/L
|	Se	77	3856.079	0.015	38.522053	0.628	1.629	ug/L
⌊	Se	82	5027.501	0.021	37.647687	0.195	0.518	ug/L
⌈>	Rh	103	294174.956	294174.956				ug/L
|	Ag	107	285542.685	0.971	38.565789	0.519	1.345	ug/L
|	Cd	111	66063.168	0.225	37.723606	0.339	0.898	ug/L
⌊	Cd	114	155644.423	0.529	38.253942	0.445	1.164	ug/L
⌈>	In	115	238452.804	238452.804				ug/L
|	Sb	121	213939.891	0.897	36.232920	0.860	2.373	ug/L
⌊	Sb	123	164138.236	0.688	36.288612	1.257	3.465	ug/L
⌈	Tl	203	272304.727	0.847	38.457577	0.416	1.082	ug/L
|	Tl	205	646077.206	2.010	38.465747	0.372	0.968	ug/L
|	Pb	208	867373.409	2.696	38.144517	0.114	0.299	ug/L
⌊>	Bi	209	321478.126	321478.126				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.516
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.503
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.537
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.927

: 00570

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.001

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	358740.843	358740.843		ug/L
Be	9	8211.800	0.023	36.909666	ug/L
V	51	284771.944	1.148	36.899587	ug/L
Cu	63	151833.288	0.816	38.711243	ug/L
Cu	65	73407.003	0.298	39.106331	ug/L
Zn	66	36660.617	0.158	39.021708	ug/L
Zn	68	28798.216	0.116	38.338894	ug/L
Ge	72	246367.852	246367.852		ug/L
As	75	49824.237	0.202	38.678701	ug/L
Se	77	3804.081	0.015	37.797523	ug/L
Se	82	5021.518	0.021	37.427822	ug/L
Rh	103	298276.322	298276.322		ug/L
Ag	107	287887.774	0.958	38.347252	ug/L
Cd	111	66267.233	0.222	37.334088	ug/L
Cd	114	158474.144	0.525	37.926383	ug/L
In	115	239874.724	239874.724		ug/L
Sb	121	209488.858	0.873	35.252330	ug/L
Sb	123	158801.038	0.662	34.862214	ug/L
Tl	203	275053.730	0.946	38.380888	ug/L
Tl	205	647108.210	1.988	38.086288	ug/L
Pb	208	875529.051	2.589	38.044380	ug/L
Bi	209	325347.779	325347.779		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	349686.484	349686.484		ug/L
Be	9	8056.620	0.023	36.834583	ug/L
V	51	286060.080	1.152	37.105204	ug/L
Cu	63	149946.044	0.806	38.268606	ug/L
Cu	65	71960.883	0.292	38.382461	ug/L
Zn	66	36738.131	0.157	37.810821	ug/L
Zn	68	28402.641	0.114	37.837648	ug/L
Ge	72	246104.331	246104.331		ug/L
As	75	51287.803	0.208	39.658827	ug/L
Se	77	3904.106	0.015	38.667208	ug/L
Se	82	5066.630	0.021	37.798389	ug/L
Rh	103	291414.589	291414.589		ug/L
Ag	107	280129.170	0.961	38.192256	ug/L
Cd	111	65842.072	0.228	37.950707	ug/L
Cd	114	156238.910	0.536	38.760846	ug/L
In	115	236800.086	236800.086		ug/L
Sb	121	214376.562	0.906	36.588542	ug/L
Sb	123	164636.231	0.696	36.680040	ug/L
Tl	203	273971.028	0.957	39.909821	ug/L
Tl	205	643686.234	2.013	38.527830	ug/L
Pb	208	866422.198	2.705	38.268870	ug/L
Bi	209	319708.462	319708.462		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	353713.788	353713.788		ug/L
Be	9	7898.441	0.022	35.688271	ug/L
V	51	282510.283	1.152	37.095388	ug/L
Cu	63	152232.836	0.836	39.330183	ug/L
Cu	65	71783.714	0.296	38.757367	ug/L
Zn	66	39336.410	0.161	38.872088	ug/L
Zn	68	28429.749	0.116	38.342782	ug/L
Ge	72	243122.780	243122.780		ug/L
As	75	49462.324	0.200	38.730496	ug/L
Se	77	3860.081	0.015	38.901388	ug/L
Se	82	4994.358	0.021	37.717071	ug/L
Rh	103	292834.968	292834.968		ug/L
Ag	107	288811.111	0.988	39.157880	ug/L
Cd	111	66060.200	0.226	37.888011	ug/L
Cd	114	154230.218	0.527	38.074518	ug/L
In	115	238783.622	238783.622		ug/L
Sb	121	217847.261	0.912	36.837888	ug/L
Sb	123	168978.446	0.707	37.303583	ug/L
Tl	203	267909.423	0.939	38.086241	ug/L
Tl	205	647530.174	2.027	38.803312	ug/L
Pb	208	861189.038	2.696	38.120080	ug/L
Bi	209	319378.184	319378.184		ug/L

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 18:43:27
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.056
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	345805.695	345805.695				ug/L
⌊	Be	9	2.333	0.000	0.003423	0.003	76.800	ug/L
⌈	V	51	2371.267	-0.001	-0.023539	0.006	25.056	ug/L
|	Cu	63	157.003	-0.000	-0.000851	0.003	370.806	ug/L
|	Cu	65	81.668	-0.000	-0.001310	0.002	127.554	ug/L
|	Zn	66	130.669	0.000	0.009380	0.011	113.031	ug/L
|	Zn	68	268.674	0.000	0.016566	0.033	198.220	ug/L
|>	Ge	72	246347.510	246347.510				ug/L
|	As	75	-80.449	-0.001	-0.098063	0.028	28.704	ug/L
|	Se	77	126.002	-0.000	-0.007072	0.158	2235.720	ug/L
⌊	Se	82	-59.803	-0.000	-0.002311	0.150	6494.877	ug/L
⌈>	Rh	103	295850.875	295850.875				ug/L
|	Ag	107	57.001	0.000	0.005614	0.001	10.788	ug/L
|	Cd	111	10.000	0.000	0.005257	0.001	22.023	ug/L
⌊	Cd	114	16.033	0.000	0.001830	0.000	17.784	ug/L
⌈>	In	115	240216.191	240216.191				ug/L
|	Sb	121	543.693	0.002	0.080828	0.006	7.300	ug/L
⌊	Sb	123	402.761	0.002	0.079091	0.006	8.093	ug/L
⌈	Tl	203	38.667	0.000	0.000022	0.001	5933.514	ug/L
|	Tl	205	80.001	-0.000	-0.000263	0.000	75.535	ug/L
|	Pb	208	514.346	-0.000	-0.000691	0.000	22.029	ug/L
⌊>	Bi	209	324179.566	324179.566				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.516
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.966
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.098
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.652

: 00572

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.816

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	347148.084	347148.084		ug/L
	Be	9	3.000	0.000	0.008458	ug/L
	V	51	2331.883	-0.001	-0.028493	ug/L
	Cu	63	143.003	-0.000	-0.004398	ug/L
	Cu	65	83.001	-0.000	-0.000670	ug/L
	Zn	66	130.002	0.000	0.008818	ug/L
	Zn	68	288.009	0.000	0.042782	ug/L
>	Ge	72	246189.182	246189.182		ug/L
	As	75	-38.508	-0.000	-0.085583	ug/L
	Se	77	110.002	-0.000	-0.170668	ug/L
	Se	82	58.451	0.000	0.022233	ug/L
>	Rh	103	295218.060	295218.060		ug/L
	Ag	107	53.001	0.000	0.005083	ug/L
	Cd	111	8.103	0.000	0.004191	ug/L
	Cd	114	15.016	0.000	0.001580	ug/L
>	In	115	238007.717	238007.717		ug/L
	Sb	121	568.028	0.002	0.086786	ug/L
	Sb	123	430.388	0.002	0.085698	ug/L
	Tl	203	42.001	0.000	0.000483	ug/L
	Tl	205	84.001	-0.000	-0.000038	ug/L
	Pb	208	518.013	-0.000	-0.000873	ug/L
>	Bi	209	324779.774	324779.774		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	346227.992	346227.992		ug/L
	Be	9	2.000	0.000	0.001678	ug/L
	V	51	2418.807	-0.001	-0.017018	ug/L
	Cu	63	161.003	0.000	0.000312	ug/L
	Cu	65	78.001	-0.000	-0.003224	ug/L
	Zn	66	120.002	0.000	-0.000931	ug/L
	Zn	68	241.006	-0.000	-0.020262	ug/L
>	Ge	72	246106.401	246106.401		ug/L
	As	75	98.838	-0.001	-0.112142	ug/L
	Se	77	127.002	0.000	0.004569	ug/L
	Se	82	81.577	0.000	-0.183180	ug/L
>	Rh	103	298124.528	298124.528		ug/L
	Ag	107	62.001	0.000	0.006278	ug/L
	Cd	111	9.714	0.000	0.005081	ug/L
	Cd	114	15.516	0.000	0.001700	ug/L
>	In	115	241468.702	241468.702		ug/L
	Sb	121	556.027	0.002	0.082397	ug/L
	Sb	123	378.762	0.001	0.073361	ug/L
	Tl	203	46.001	0.000	0.001023	ug/L
	Tl	205	78.001	-0.000	-0.000403	ug/L
	Pb	208	518.013	-0.000	-0.000838	ug/L
>	Bi	209	325730.847	325730.847		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	344041.008	344041.008		ug/L
	Be	9	2.000	0.000	0.001935	ug/L
	V	51	2363.101	-0.001	-0.025108	ug/L
	Cu	63	167.004	0.000	0.001636	ug/L
	Cu	65	84.001	-0.000	-0.000137	ug/L
	Zn	66	142.003	0.000	0.020251	ug/L
	Zn	68	277.008	0.000	0.027188	ug/L
>	Ge	72	248746.947	248746.947		ug/L
	As	75	-104.300	-0.001	-0.116394	ug/L
	Se	77	141.003	0.000	0.144882	ug/L
	Se	82	-41.350	0.000	0.134013	ug/L
>	Rh	103	298212.048	298212.048		ug/L
	Ag	107	56.001	0.000	0.005471	ug/L
	Cd	111	12.182	0.000	0.006488	ug/L
	Cd	114	17.588	0.000	0.002201	ug/L
>	In	115	241178.153	241178.153		ug/L
	Sb	121	507.023	0.002	0.074302	ug/L
	Sb	123	399.134	0.001	0.077914	ug/L
	Tl	203	28.000	-0.000	-0.001441	ug/L
	Tl	205	78.001	-0.000	0.000350	ug/L
	Pb	208	507.012	-0.000	-0.000883	ug/L
>	Bi	209	322028.276	322028.276		ug/L

Sample ID: 0B22027-CCB
Report Date/Time: Monday, February 22, 2010 18:45:14

Sample Information

Sample ID: 1002038-09
Autosampler Position: 49
Sample Date/Time: Monday, February 22, 2010 18:47:27
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-09.057
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	353390.481	353390.481				ug/L
⌊	Be	9	2.667	0.000	0.004761	0.014	293.439	ug/L
⌈	V	51	5714.541	0.012	0.401164	0.004	0.884	ug/L
|	Cu	63	2093.661	0.008	0.484536	0.013	2.674	ug/L
|	Cu	65	1084.427	0.004	0.523919	0.014	2.748	ug/L
|	Zn	66	1479.168	0.005	1.304788	0.069	5.267	ug/L
|	Zn	68	1439.159	0.005	1.556290	0.049	3.135	ug/L
|>	Ge	72	250512.165	250512.165				ug/L
|	As	75	330.005	0.001	0.215125	0.028	12.800	ug/L
|	Se	77	126.669	-0.000	-0.021723	0.030	136.462	ug/L
⌊	Se	82	-46.729	0.000	0.099596	0.110	110.645	ug/L
⌈>	Rh	103	297777.726	297777.726				ug/L
|	Ag	107	55.667	0.000	0.005389	0.000	5.843	ug/L
|	Cd	111	13.698	0.000	0.007324	0.002	25.988	ug/L
⌊	Cd	114	26.076	0.000	0.004241	0.001	11.799	ug/L
⌈>	In	115	241935.898	241935.898				ug/L
|	Sb	121	540.359	0.002	0.079617	0.005	6.879	ug/L
⌊	Sb	123	408.053	0.002	0.079604	0.011	13.273	ug/L
⌈	Tl	203	53.334	0.000	0.001862	0.001	48.699	ug/L
|	Tl	205	115.002	0.000	0.001600	0.001	42.650	ug/L
|	Pb	208	9388.515	0.026	0.374181	0.008	2.221	ug/L
⌊>	Bi	209	334299.937	334299.937				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.611
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	100.639
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.744
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.358

: 00574

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.870

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	383330 488	383330 488		ug/L
	Be	9	0 000	-0 000	0 007362	ug/L
	V	51	5649 326	0.012	0 388078	ug/L
	Cu	63	2057 317	0 008	0 478212	ug/L
	Cu	65	1089 082	0 004	0 525787	ug/L
	Zn	66	1548.183	0 006	1 381701	ug/L
	Zn	68	1398 180	0 006	1 512988	ug/L
>	Ge	72	248703 083	248703 083		ug/L
	As	75	332 018	0 001	0 218534	ug/L
	Se	77	125 002	0 000	0 029408	ug/L
	Se	82	47 537	0 000	0 091488	ug/L
>	Rh	103	302684 386	302684 386		ug/L
	Ag	107	55 001	0 000	0 005174	ug/L
	Cd	111	10 260	0 000	0 005270	ug/L
	Cd	114	27 454	0 000	0 004468	ug/L
>	In	115	241782 121	241782 121		ug/L
	Sb	121	581 027	0 002	0 081440	ug/L
	Sb	123	456 390	0 002	0 080983	ug/L
	Tl	203	48 001	0 000	0 001013	ug/L
	Tl	205	116 002	0 000	0 001538	ug/L
	Pb	208	9438 846	0 026	0 366910	ug/L
>	Bi	209	340469 334	340469 334		ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	350186 211	350186 211		ug/L
	Be	9	6 000	0 000	0 020041	ug/L
	V	51	5781 930	0 013	0 405037	ug/L
	Cu	63	2166 350	0 008	0 496307	ug/L
	Cu	65	1117 098	0 004	0 537288	ug/L
	Zn	66	1431.158	0 006	1 249381	ug/L
	Zn	68	1441 160	0 006	1 546720	ug/L
>	Ge	72	252142 606	252142 606		ug/L
	As	75	368 068	0 001	0 240798	ug/L
	Se	77	125 002	-0 000	0 046789	ug/L
	Se	82	-31 223	0 000	0 213628	ug/L
>	Rh	103	295802 589	295802 589		ug/L
	Ag	107	58 001	0 000	0 006750	ug/L
	Cd	111	16 639	0 000	0 009029	ug/L
	Cd	114	27 318	0 000	0 004580	ug/L
>	In	115	240818 589	240818 589		ug/L
	Sb	121	564 028	0 002	0 080950	ug/L
	Sb	123	408 280	0 002	0 080004	ug/L
	Tl	203	60 001	0 000	0 002817	ug/L
	Tl	205	103 002	0 000	0 000853	ug/L
	Pb	208	9548 583	0 027	0 383761	ug/L
>	Bi	209	331997 578	331997 578		ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	356874 739	356874 739		ug/L
	Be	9	2 000	0 000	0 001606	ug/L
	V	51	5712 388	0 012	0 400377	ug/L
	Cu	63	2057 317	0 008	0 475088	ug/L
	Cu	65	1058 088	0 004	0 508681	ug/L
	Zn	66	1456 163	0 005	1 263272	ug/L
	Zn	68	1480 168	0 005	1 608161	ug/L
>	Ge	72	250690 808	250690 808		ug/L
	As	75	281 027	0 001	0 188044	ug/L
	Se	77	130 002	0 000	0 011008	ug/L
	Se	82	-61 428	-0 000	-0 006320	ug/L
>	Rh	103	294846 225	294846 225		ug/L
	Ag	107	54 001	0 000	0 006241	ug/L
	Cd	111	14 186	0 000	0 007873	ug/L
	Cd	114	23 454	0 000	0 003888	ug/L
>	In	115	243108 884	243108 884		ug/L
	Sb	121	506 023	0 002	0 073481	ug/L
	Sb	123	360 509	0 001	0 068843	ug/L
	Tl	203	52 001	0 000	0 001757	ug/L
	Tl	205	128 002	0 000	0 002312	ug/L
	Pb	208	9180 416	0 026	0 369872	ug/L
>	Bi	209	330442 901	330442 901		ug/L

1a

: 00575

Sample Information

Sample ID: 1002038-10
Autosampler Position: 50
Sample Date/Time: Monday, February 22, 2010 18:50:57
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-10.058
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	356112.496	356112.496				ug/L
	Be	9	6.000	0.000	0.019585	0.004	22.703	ug/L
	V	51	6401.542	0.015	0.495707	0.031	6.274	ug/L
	Cu	63	1520.510	0.005	0.343591	0.014	3.951	ug/L
	Cu	65	708.709	0.003	0.329621	0.008	2.578	ug/L
	Zn	66	1935.282	0.007	1.757004	0.050	2.832	ug/L
	Zn	68	1618.199	0.005	1.808775	0.028	1.548	ug/L
>	Ge	72	248659.642	248659.642				ug/L
	As	75	253.358	0.001	0.158347	0.030	18.900	ug/L
	Se	77	130.669	0.000	0.028630	0.054	188.995	ug/L
	Se	82	-57.826	0.000	0.016247	0.056	342.636	ug/L
>	Rh	103	303725.696	303725.696				ug/L
	Ag	107	54.334	0.000	0.005065	0.002	30.475	ug/L
	Cd	111	15.114	0.000	0.007949	0.006	75.876	ug/L
	Cd	114	27.692	0.000	0.004505	0.001	20.225	ug/L
>	In	115	242206.778	242206.778				ug/L
	Sb	121	369.680	0.001	0.051065	0.005	8.874	ug/L
	Sb	123	286.796	0.001	0.053094	0.002	4.499	ug/L
	Tl	203	48.334	0.000	0.001251	0.001	89.566	ug/L
	Tl	205	109.002	0.000	0.001307	0.001	57.210	ug/L
	Pb	208	10271.979	0.029	0.415537	0.010	2.342	ug/L
>	Bi	209	331341.577	331341.577				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	98.362
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.895
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.736
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	99.469

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.977

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	349407.384	349407.384		ug/L
	Be	9	6.000	0.000	0.020100	ug/L
	V	51	6614.644	0.016	0.508763	ug/L
	Cu	63	1484.169	0.008	0.334138	ug/L
	Cu	65	724.044	0.003	0.337497	ug/L
	Zn	66	1928.280	0.007	1.749147	ug/L
	Zn	68	1841.206	0.006	1.837986	ug/L
>	Ge	72	248816.848	248816.848		ug/L
	As	75	215.544	0.001	0.129219	ug/L
	Se	77	133.003	0.000	0.061427	ug/L
	Se	82	-63.609	0.000	-0.029572	ug/L
>	Rh	103	302728.981	302728.981		ug/L
	Ag	107	48.001	0.000	0.004381	ug/L
	Cd	111	27.152	0.000	0.014652	ug/L
	Cd	114	27.388	0.000	0.004454	ug/L
>	In	115	240868.086	240868.086		ug/L
	Sb	121	386.013	0.001	0.060816	ug/L
	Sb	123	287.506	0.001	0.056836	ug/L
	Tl	203	42.001	0.000	0.002217	ug/L
	Tl	205	112.002	0.000	0.001318	ug/L
	Pb	208	10283.012	0.026	0.404878	ug/L
>	Bi	209	340180.889	340180.889		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	358129.278	358129.278		ug/L
	Be	9	5.000	0.000	0.014804	ug/L
	V	51	6544.047	0.016	0.517300	ug/L
	Cu	63	1576.180	0.008	0.358144	ug/L
	Cu	65	688.040	0.002	0.320814	ug/L
	Zn	66	1881.287	0.007	1.711838	ug/L
	Zn	68	1810.186	0.006	1.808186	ug/L
>	Ge	72	247725.984	247725.984		ug/L
	As	75	292.338	0.001	0.189018	ug/L
	Se	77	134.003	0.000	0.067610	ug/L
	Se	82	60.537	0.000	0.008121	ug/L
>	Rh	103	304545.837	304545.837		ug/L
	Ag	107	66.001	0.000	0.006831	ug/L
	Cd	111	12.071	0.000	0.006239	ug/L
	Cd	114	24.043	0.000	0.003620	ug/L
>	In	115	240644.652	240644.652		ug/L
	Sb	121	285.015	0.001	0.056716	ug/L
	Sb	123	277.378	0.001	0.061484	ug/L
	Tl	203	47.001	0.000	0.001086	ug/L
	Tl	205	121.002	0.000	0.002051	ug/L
	Pb	208	10402.068	0.030	0.423940	ug/L
>	Bi	209	329134.508	329134.508		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	359800.647	359800.647		ug/L
	Be	9	7.000	0.000	0.023752	ug/L
	V	51	6145.934	0.014	0.480057	ug/L
	Cu	63	1501.173	0.005	0.337482	ug/L
	Cu	65	713.043	0.003	0.330753	ug/L
	Zn	66	1998.298	0.008	1.810227	ug/L
	Zn	68	1903.196	0.005	1.782156	ug/L
>	Ge	72	249435.993	249435.993		ug/L
	As	75	252.193	0.001	0.156808	ug/L
	Se	77	125.002	0.000	-0.033147	ug/L
	Se	82	48.333	0.000	0.079433	ug/L
>	Rh	103	303902.272	303902.272		ug/L
	Ag	107	48.001	0.000	0.003974	ug/L
	Cd	111	8.110	0.000	0.002958	ug/L
	Cd	114	31.643	0.000	0.005440	ug/L
>	In	115	245416.586	245416.586		ug/L
	Sb	121	348.012	0.001	0.046853	ug/L
	Sb	123	288.506	0.001	0.061993	ug/L
	Tl	203	56.001	0.000	0.002442	ug/L
	Tl	205	94.002	0.000	0.000656	ug/L
	Pb	208	10120.867	0.030	0.417796	ug/L
>	Bi	209	324699.233	324699.233		ug/L

: 00577

Sample Information

Sample ID: 1002038-11
Autosampler Position: 51
Sample Date/Time: Monday, February 22, 2010 18:54:26
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-11.059
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	354741.206	354741.206				ug/L
[	Be	9	0.667	-0.000	-0.004306	0.005	122.971	ug/L
[	V	51	3067.486	0.002	0.061838	0.008	12.168	ug/L
[	Cu	63	1262.791	0.004	0.276805	0.007	2.641	ug/L
[	Cu	65	610.699	0.002	0.276323	0.023	8.481	ug/L
[	Zn	66	822.056	0.003	0.674305	0.013	1.972	ug/L
[	Zn	68	768.382	0.002	0.673070	0.003	0.386	ug/L
[>	Ge	72	249886.107	249886.107				ug/L
[	As	75	129.875	0.000	0.063106	0.020	32.028	ug/L
[	Se	77	140.003	0.000	0.116978	0.096	81.679	ug/L
[	Se	82	-58.524	0.000	0.013146	0.094	714.333	ug/L
[>	Rh	103	298541.586	298541.586				ug/L
[	Ag	107	32.667	0.000	0.002306	0.001	28.234	ug/L
[	Cd	111	5.560	0.000	0.002685	0.003	122.819	ug/L
[	Cd	114	10.464	0.000	0.000452	0.001	152.762	ug/L
[>	In	115	240904.395	240904.395				ug/L
[	Sb	121	221.006	0.001	0.026456	0.004	15.431	ug/L
[	Sb	123	189.666	0.001	0.032195	0.005	15.106	ug/L
[	Tl	203	30.667	-0.000	-0.001196	0.001	122.834	ug/L
[	Tl	205	77.001	-0.000	-0.000532	0.000	65.494	ug/L
[	Pb	208	470.011	-0.000	-0.003059	0.001	42.842	ug/L
[>	Bi	209	331129.451	331129.451				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	97.984
[	Be	9.012	
[	V	50.944	
[	Cu	62.930	
[	Cu	64.928	
[	Zn	65.926	
[	Zn	67.925	
[>	Ge	71.922	100.388
[	As	74.922	
[	Se	76.920	
[	Se	81.917	
[>	Rh	102.905	100.000
[	Ag	106.905	
[	Cd	110.904	
[	Cd	113.904	
[>	In	114.904	98.934

: 00578

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.913

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	355909.985	356808.985		ug/L
	Be	9	0.000	-0.000	-0.007382	ug/L
	V	51	3088.456	0.002	0.064402	ug/L
	Cu	63	1222.117	0.004	0.268408	ug/L
	Cu	65	657.037	0.002	0.302886	ug/L
	Zn	66	818.066	0.003	0.675127	ug/L
	Zn	68	766.049	0.002	0.675062	ug/L
>	Ge	72	248419.463	248419.463		ug/L
	As	75	113.033	0.000	0.050853	ug/L
	Se	77	148.003	0.000	0.208484	ug/L
	Se	82	71.679	-0.000	0.095271	ug/L
>	Rh	103	295980.952	295980.952		ug/L
	Ag	107	36.000	0.000	0.002782	ug/L
	Cd	111	1.584	0.000	0.000486	ug/L
	Cd	114	11.898	0.000	0.000819	ug/L
>	In	115	242124.141	242124.141		ug/L
	Sb	121	240.008	0.001	0.029423	ug/L
	Sb	123	199.998	0.001	0.034207	ug/L
	Tl	203	36.000	-0.000	0.000566	ug/L
	Tl	205	72.001	-0.000	-0.000811	ug/L
	Pb	208	474.011	-0.000	-0.003307	ug/L
>	Bi	209	338171.378	338171.378		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	348790.268	348790.268		ug/L
	Be	9	2.000	0.000	0.001808	ug/L
	V	51	3110.544	0.002	0.067746	ug/L
	Cu	63	1261.126	0.004	0.281750	ug/L
	Cu	65	575.029	0.002	0.267782	ug/L
	Zn	66	807.064	0.003	0.660616	ug/L
	Zn	68	766.049	0.002	0.670844	ug/L
>	Ge	72	249847.184	249847.184		ug/L
	As	75	115.136	0.000	0.052030	ug/L
	Se	77	141.003	0.000	0.128072	ug/L
	Se	82	-46.302	0.000	0.101772	ug/L
>	Rh	103	297404.090	297404.090		ug/L
	Ag	107	27.000	0.000	0.001986	ug/L
	Cd	111	2.678	0.000	0.001093	ug/L
	Cd	114	12.208	0.000	0.000880	ug/L
>	In	115	237802.661	237802.661		ug/L
	Sb	121	229.008	0.001	0.028148	ug/L
	Sb	123	203.124	0.001	0.035729	ug/L
	Tl	203	18.000	-0.000	0.002878	ug/L
	Tl	205	77.001	-0.000	0.000468	ug/L
	Pb	208	435.008	-0.000	-0.004228	ug/L
>	Bi	209	325463.888	325463.888		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	359523.384	359523.384		ug/L
	Be	9	0.000	0.000	0.007382	ug/L
	V	51	3022.457	0.002	0.063387	ug/L
	Cu	63	1286.128	0.004	0.280256	ug/L
	Cu	65	600.031	0.002	0.268611	ug/L
	Zn	66	841.058	0.003	0.687184	ug/L
	Zn	68	773.050	0.002	0.672304	ug/L
>	Ge	72	251581.875	251581.875		ug/L
	As	75	161.457	0.000	0.068434	ug/L
	Se	77	131.003	0.000	0.016388	ug/L
	Se	82	57.582	0.000	0.022837	ug/L
>	Rh	103	302258.717	302258.717		ug/L
	Ag	107	38.000	0.000	0.002580	ug/L
	Cd	111	12.408	0.002	0.008476	ug/L
	Cd	114	7.288	0.000	0.000344	ug/L
>	In	115	242988.393	242988.393		ug/L
	Sb	121	199.005	0.001	0.021800	ug/L
	Sb	123	165.879	0.001	0.026848	ug/L
	Tl	203	38.000	-0.000	0.000156	ug/L
	Tl	205	82.001	0.000	-0.000228	ug/L
	Pb	208	501.012	0.000	-0.001642	ug/L
>	Bi	209	329753.088	329753.088		ug/L

: 00579

Sample Information

Sample ID: 1002038-12
Autosampler Position: 52
Sample Date/Time: Monday, February 22, 2010 18:57:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-12.060
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	357570.303	357570.303				ug/L
[	Be	9	1.667	0.000	0.000026	0.005	19345.903	ug/L
[	V	51	4178.565	0.006	0.207874	0.006	2.924	ug/L
[	Cu	63	1580.857	0.006	0.359072	0.015	4.039	ug/L
[	Cu	65	724.044	0.003	0.338057	0.024	7.101	ug/L
[	Zn	66	1125.767	0.004	0.973287	0.053	5.431	ug/L
[	Zn	68	1095.095	0.003	1.112770	0.046	4.152	ug/L
[>	Ge	72	248587.385	248587.385				ug/L
[	As	75	8763.957	0.035	6.681888	0.031	0.471	ug/L
[	Se	77	142.670	0.000	0.150160	0.108	71.676	ug/L
[	Se	82	-46.227	0.000	0.100822	0.162	160.282	ug/L
[>	Rh	103	302727.331	302727.331				ug/L
[	Ag	107	27.000	0.000	0.001499	0.000	28.486	ug/L
[	Cd	111	6.917	0.000	0.003433	0.002	44.073	ug/L
[	Cd	114	18.152	0.000	0.002236	0.002	80.131	ug/L
[>	In	115	242733.803	242733.803				ug/L
[	Sb	121	4779.980	0.019	0.784813	0.008	0.975	ug/L
[	Sb	123	3627.745	0.015	0.778673	0.003	0.362	ug/L
[	Tl	203	51.001	0.000	0.001547	0.001	44.322	ug/L
[	Tl	205	135.669	0.000	0.002783	0.001	27.154	ug/L
[	Pb	208	12480.724	0.036	0.505248	0.008	1.639	ug/L
[>	Bi	209	334185.137	334185.137				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	98.765
[	Be	9.012	
[	V	50.944	
[	Cu	62.930	
[	Cu	64.928	
[	Zn	65.926	
[	Zn	67.925	
[>	Ge	71.922	99.866
[	As	74.922	
[	Se	76.920	
[	Se	81.917	
[>	Rh	102.905	101.402
[	Ag	106.905	
[	Cd	110.904	
[	Cd	113.904	
[>	In	114.904	99.686

: 00580

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.835

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	348291.803	348291.803		ug/L
	Be	9	1.000	-0.000	-0.002771	ug/L
	V	51	4120.412	0.008	0.203311	ug/L
	Cu	63	1611.198	0.008	0.388003	ug/L
	Cu	65	715.043	0.003	0.335216	ug/L
	Zn	66	1174.108	0.004	1.026181	ug/L
	Zn	68	1066.083	0.003	1.108337	ug/L
>	Ge	72	247198.157	247198.157		ug/L
	As	75	8754.942	0.038	6.712756	ug/L
	Se	77	141.003	0.000	0.142241	ug/L
	Se	82	-22.411	0.000	0.273824	ug/L
>	Rh	103	308203.613	308203.613		ug/L
	Ag	107	30.000	0.000	0.001852	ug/L
	Cd	111	4.556	0.000	0.002081	ug/L
	Cd	114	16.956	0.000	0.002389	ug/L
>	In	115	243082.770	243082.770		ug/L
	Sb	121	4758.631	0.019	0.779881	ug/L
	Sb	123	3838.334	0.015	0.779807	ug/L
	Tl	203	46.001	0.000	0.000762	ug/L
	Tl	205	138.003	0.000	0.002783	ug/L
	Pb	208	12483.428	0.036	0.498828	ug/L
>	Bi	209	339667.801	339667.801		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	365949.775	365949.775		ug/L
	Be	9	3.000	0.000	0.006748	ug/L
	V	51	4186.844	0.007	0.214778	ug/L
	Cu	63	1561.193	0.008	0.365888	ug/L
	Cu	65	784.049	0.003	0.363356	ug/L
	Zn	66	1114.098	0.004	0.973249	ug/L
	Zn	68	1050.088	0.003	1.056381	ug/L
>	Ge	72	245932.563	245932.563		ug/L
	As	75	5628.854	0.035	6.649793	ug/L
	Se	77	131.003	0.000	0.046708	ug/L
	Se	82	-65.671	-0.000	-0.048234	ug/L
>	Rh	103	298144.005	298144.005		ug/L
	Ag	107	23.000	0.000	0.001024	ug/L
	Cd	111	9.738	0.000	0.005087	ug/L
	Cd	114	10.146	0.000	0.000373	ug/L
>	In	115	242115.484	242115.484		ug/L
	Sb	121	4744.623	0.019	0.780960	ug/L
	Sb	123	3803.693	0.016	0.775481	ug/L
	Tl	203	53.001	0.000	0.001848	ug/L
	Tl	205	148.003	0.000	0.003533	ug/L
	Pb	208	12422.335	0.036	0.506334	ug/L
>	Bi	209	332520.083	332520.083		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	358469.330	358469.330		ug/L
	Be	9	1.000	0.000	0.002801	ug/L
	V	51	4228.440	0.008	0.206537	ug/L
	Cu	63	1540.181	0.008	0.342414	ug/L
	Cu	65	693.041	0.002	0.315668	ug/L
	Zn	66	1088.084	0.004	0.920450	ug/L
	Zn	68	1149.104	0.004	1.160662	ug/L
>	Ge	72	252631.436	252631.435		ug/L
	As	75	8908.074	0.035	6.663117	ug/L
	Se	77	156.003	0.000	0.261530	ug/L
	Se	82	50.800	0.000	0.074874	ug/L
>	Rh	103	303834.478	303834.478		ug/L
	Ag	107	28.000	0.000	0.001821	ug/L
	Cd	111	8.487	0.000	0.003160	ug/L
	Cd	114	25.358	0.000	0.003946	ug/L
>	In	115	243023.156	243023.156		ug/L
	Sb	121	4838.687	0.020	0.793626	ug/L
	Sb	123	3841.208	0.016	0.780880	ug/L
	Tl	203	54.001	0.000	0.002031	ug/L
	Tl	205	121.002	0.000	0.002022	ug/L
	Pb	208	12536.411	0.036	0.513484	ug/L
>	Bi	209	330477.446	330477.446		ug/L

Sample Information

Sample ID: 1001061-MS2
Autosampler Position: 53
Sample Date/Time: Monday, February 22, 2010 19:01:24
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001061-MS2.061
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	353190.282	353190.282				ug/L
⌊	Be	9	4248.306	0.012	19.228959	0.142	0.740	ug/L
⌈	V	51	161621.892	0.649	20.906762	0.198	0.949	ug/L
|	Cu	63	82809.132	0.337	21.202344	0.226	1.068	ug/L
|	Cu	65	39422.558	0.161	21.090357	0.265	1.258	ug/L
|	Zn	66	21300.928	0.086	20.825175	0.217	1.044	ug/L
|	Zn	68	15758.188	0.063	20.926689	0.218	1.041	ug/L
|>	Ge	72	245100.752	245100.752				ug/L
|	As	75	34721.503	0.141	26.957895	0.146	0.543	ug/L
|	Se	77	1973.292	0.008	19.085843	0.592	3.104	ug/L
⌊	Se	82	2529.396	0.011	19.165697	0.184	0.958	ug/L
⌈>	Rh	103	299396.923	299396.923				ug/L
|	Ag	107	148699.012	0.497	19.733780	0.284	1.441	ug/L
|	Cd	111	34452.447	0.115	19.329484	0.177	0.914	ug/L
⌊	Cd	114	81115.969	0.271	19.587743	0.307	1.565	ug/L
⌈>	In	115	241349.111	241349.111				ug/L
|	Sb	121	127281.034	0.527	21.296466	0.521	2.446	ug/L
⌊	Sb	123	96660.696	0.400	21.110045	0.259	1.228	ug/L
⌈	Tl	203	145540.600	0.442	20.074374	0.069	0.345	ug/L
|	Tl	205	351558.860	1.068	20.441766	0.201	0.981	ug/L
|	Pb	208	486306.521	1.476	20.880074	0.298	1.427	ug/L
⌊>	Bi	209	329132.159	329132.159				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.555
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.466
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.286
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.117

: 00582

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.310

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	353458.456	353458.456		ug/L
	Be	9	4223.280	0.012	19.101588	ug/L
	V	51	163106.881	0.656	21.104885	ug/L
	Cu	63	81901.690	0.334	20.972778	ug/L
	Cu	65	39881.481	0.162	21.344130	ug/L
	Zn	66	21518.560	0.087	21.041662	ug/L
	Zn	68	15922.887	0.064	21.151588	ug/L
>	Ge	72	245087.574	245087.574		ug/L
	As	75	34816.870	0.142	27.113250	ug/L
	Se	77	1935.281	0.007	18.694252	ug/L
	Se	82	2500.929	0.010	16.957588	ug/L
>	Rh	103	302834.308	302834.308		ug/L
	Ag	107	148235.841	0.489	19.447084	ug/L
	Cd	111	34487.357	0.114	19.126382	ug/L
	Cd	114	80782.570	0.267	19.279584	ug/L
>	In	115	244908.486	244908.486		ug/L
	Sb	121	125081.308	0.513	20.718248	ug/L
	Sb	123	97181.072	0.397	20.908986	ug/L
	Tl	203	146861.600	0.440	19.998210	ug/L
	Tl	205	351387.038	1.058	20.210871	ug/L
	Pb	208	483666.942	1.462	20.536704	ug/L
>	Bi	209	332706.460	332706.460		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	354866.381	354866.381		ug/L
	Be	9	4302.338	0.012	19.382467	ug/L
	V	51	160827.950	0.649	20.907427	ug/L
	Cu	63	82421.624	0.337	21.208708	ug/L
	Cu	65	39268.034	0.161	21.111634	ug/L
	Zn	66	21197.619	0.086	20.827102	ug/L
	Zn	68	15869.328	0.063	20.911823	ug/L
>	Ge	72	243865.106	243865.106		ug/L
	As	75	34524.238	0.141	26.938116	ug/L
	Se	77	2028.308	0.008	19.787452	ug/L
	Se	82	2526.178	0.011	19.236233	ug/L
>	Rh	103	298683.008	298683.008		ug/L
	Ag	107	149471.200	0.504	20.015758	ug/L
	Cd	111	34267.807	0.116	19.400870	ug/L
	Cd	114	80389.732	0.271	19.560860	ug/L
>	In	115	238277.498	238277.498		ug/L
	Sb	121	126240.218	0.538	21.726800	ug/L
	Sb	123	98762.483	0.406	21.402614	ug/L
	Tl	203	146018.773	0.443	20.128428	ug/L
	Tl	205	351615.800	1.078	20.573080	ug/L
	Pb	208	487720.401	1.490	21.071480	ug/L
>	Bi	209	327084.588	327084.588		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	351260.012	351260.012		ug/L
	Be	9	4219.288	0.012	19.202811	ug/L
	V	51	160827.844	0.643	20.707988	ug/L
	Cu	63	84104.083	0.341	21.425562	ug/L
	Cu	65	39108.159	0.158	20.815007	ug/L
	Zn	66	21186.588	0.086	20.808771	ug/L
	Zn	68	15682.353	0.063	20.718678	ug/L
>	Ge	72	246349.574	246349.574		ug/L
	As	75	34723.402	0.141	26.822320	ug/L
	Se	77	1956.287	0.007	18.795624	ug/L
	Se	82	2561.080	0.011	19.304289	ug/L
>	Rh	103	298673.456	298673.456		ug/L
	Ag	107	148388.984	0.497	19.738616	ug/L
	Cd	111	34802.178	0.116	19.459420	ug/L
	Cd	114	82185.606	0.275	19.892886	ug/L
>	In	115	240861.348	240861.348		ug/L
	Sb	121	127921.577	0.531	21.442251	ug/L
	Sb	123	98058.584	0.398	21.018824	ug/L
	Tl	203	145061.426	0.443	20.098486	ug/L
	Tl	205	351673.641	1.073	20.541237	ug/L
	Pb	208	487843.220	1.487	21.032037	ug/L
>	Bi	209	327625.438	327625.438		ug/L

00583

Sample Information

Sample ID: 1001061-MSD2
Autosampler Position: 54
Sample Date/Time: Monday, February 22, 2010 19:09:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001061-MSD2.062
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	353084.871	353084.871				ug/L
	Be	9	3801.717	0.011	17.212468	0.489	2.839	ug/L
	V	51	147737.670	0.576	18.568116	0.175	0.941	ug/L
	Cu	63	75200.198	0.298	18.740826	0.043	0.231	ug/L
	Cu	65	35689.632	0.141	18.583106	0.166	0.893	ug/L
	Zn	66	19022.152	0.075	18.090018	0.074	0.409	ug/L
	Zn	68	13948.082	0.054	17.984633	0.358	1.989	ug/L
>	Ge	72	251756.364	251756.364				ug/L
	As	75	31233.897	0.124	23.604074	0.294	1.248	ug/L
	Se	77	1829.919	0.007	17.104045	0.543	3.173	ug/L
	Se	82	2203.625	0.009	16.323125	0.524	3.208	ug/L
>	Rh	103	300570.201	300570.201				ug/L
	Ag	107	135692.229	0.451	17.935867	0.243	1.354	ug/L
	Cd	111	31392.681	0.104	17.544093	0.229	1.307	ug/L
	Cd	114	72319.216	0.241	17.394835	0.223	1.284	ug/L
>	In	115	242953.390	242953.390				ug/L
	Sb	121	113571.581	0.467	18.871752	0.102	0.538	ug/L
	Sb	123	87017.293	0.358	18.875652	0.116	0.614	ug/L
	Tl	203	134145.615	0.403	18.297466	0.143	0.779	ug/L
	Tl	205	315565.330	0.948	18.145543	0.284	1.565	ug/L
	Pb	208	434953.672	1.305	18.464710	0.139	0.752	ug/L
>	Bi	209	332821.007	332821.007				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.526
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	101.139
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.679
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	99.776

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.423

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	345774.808	345774.808		ug/L
	Be	9	3717.004	0.011	17.184404	ug/L
	V	51	149816.274	0.583	18.787033	ug/L
	Cu	63	75288.210	0.297	18.690864	ug/L
	Cu	65	35638.024	0.141	18.486866	ug/L
	Zn	66	19013.462	0.076	18.017817	ug/L
	Zn	68	14310.484	0.056	18.395389	ug/L
>	Ge	72	252644.898	252644.898		ug/L
	As	75	31719.083	0.126	23.687181	ug/L
	Se	77	1827.252	0.007	17.011778	ug/L
	Se	82	2211.821	0.008	16.326234	ug/L
>	Rh	103	301017.878	301017.878		ug/L
	Ag	107	133818.187	0.444	17.661092	ug/L
	Cd	111	31825.931	0.105	17.647083	ug/L
	Cd	114	72908.782	0.242	17.509818	ug/L
>	In	115	243252.278	243252.278		ug/L
	Sb	121	113082.782	0.464	18.782351	ug/L
	Sb	123	86863.817	0.357	18.847303	ug/L
	Tl	203	133813.110	0.400	18.152871	ug/L
	Tl	205	314998.538	0.941	18.012994	ug/L
	Pb	208	435463.946	1.300	18.386709	ug/L
>	Bi	209	334626.084	334626.084		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	356107.454	356107.454		ug/L
	Be	9	3946.129	0.011	17.714569	ug/L
	V	51	146212.429	0.572	18.439920	ug/L
	Cu	63	75033.782	0.298	18.765880	ug/L
	Cu	65	35929.497	0.143	18.774888	ug/L
	Zn	66	19033.816	0.075	18.165649	ug/L
	Zn	68	13771.400	0.054	17.817525	ug/L
>	Ge	72	250883.724	250883.724		ug/L
	As	75	31151.182	0.124	23.625671	ug/L
	Se	77	1881.267	0.007	17.687024	ug/L
	Se	82	2268.068	0.009	16.845203	ug/L
>	Rh	103	297911.601	297911.601		ug/L
	Ag	107	135887.790	0.458	18.121564	ug/L
	Cd	111	31400.178	0.106	17.703816	ug/L
	Cd	114	72270.377	0.243	17.537232	ug/L
>	In	115	242997.430	242997.430		ug/L
	Sb	121	114141.899	0.469	19.063084	ug/L
	Sb	123	88676.398	0.356	18.778482	ug/L
	Tl	203	134865.640	0.403	18.301658	ug/L
	Tl	205	313821.772	0.938	17.952042	ug/L
	Pb	208	435267.519	1.300	18.383401	ug/L
>	Bi	209	334817.168	334817.168		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	357372.350	357372.350		ug/L
	Be	9	3742.017	0.010	16.738429	ug/L
	V	51	147184.308	0.574	18.497384	ug/L
	Cu	63	75301.881	0.298	18.766766	ug/L
	Cu	65	35804.379	0.141	18.485774	ug/L
	Zn	66	19019.478	0.075	18.086987	ug/L
	Zn	68	13762.383	0.054	17.740986	ug/L
>	Ge	72	251760.470	251760.470		ug/L
	As	75	30831.416	0.122	23.298371	ug/L
	Se	77	1781.240	0.007	16.613333	ug/L
	Se	82	2130.886	0.009	15.797940	ug/L
>	Rh	103	302781.123	302781.123		ug/L
	Ag	107	137372.768	0.454	18.024963	ug/L
	Cd	111	31151.834	0.103	17.281370	ug/L
	Cd	114	71777.478	0.237	17.137468	ug/L
>	In	115	242810.460	242810.460		ug/L
	Sb	121	113520.091	0.466	18.898821	ug/L
	Sb	123	87481.578	0.360	19.003171	ug/L
	Tl	203	133758.084	0.408	18.437868	ug/L
	Tl	205	317884.683	0.956	18.471504	ug/L
	Pb	208	434129.647	1.317	18.525020	ug/L
>	Bi	209	329319.763	329319.763		ug/L

: 00585

Sample Information

Sample ID: 0B22027-SRD3
Autosampler Position: 55
Sample Date/Time: Monday, February 22, 2010 19:18:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-SRD3.063
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	351346.739	351346.739				ug/L
⌊	Be	9	1.333	-0.000	-0.001337	0.007	513.163	ug/L
⌈	V	51	2674.791	0.000	0.015076	0.003	22.471	ug/L
|	Cu	63	414.683	0.001	0.064584	0.007	11.382	ug/L
|	Cu	65	215.005	0.001	0.069441	0.004	5.657	ug/L
|	Zn	66	319.010	0.001	0.192763	0.015	7.644	ug/L
|	Zn	68	426.684	0.001	0.227353	0.057	24.931	ug/L
|>	Ge	72	247123.057	247123.057				ug/L
|	As	75	1793.315	0.007	1.347376	0.054	4.040	ug/L
|	Se	77	133.669	0.000	0.067709	0.050	74.089	ug/L
⌊	Se	82	-30.059	0.000	0.216964	0.078	35.769	ug/L
⌈>	Rh	103	297986.060	297986.060				ug/L
|	Ag	107	65.668	0.000	0.006710	0.002	22.911	ug/L
|	Cd	111	4.024	0.000	0.001857	0.003	143.291	ug/L
⌊	Cd	114	5.078	-0.000	-0.000855	0.000	45.842	ug/L
⌈>	In	115	241783.558	241783.558				ug/L
|	Sb	121	1075.758	0.004	0.169099	0.001	0.760	ug/L
⌊	Sb	123	829.968	0.003	0.171638	0.005	2.941	ug/L
⌈	Tl	203	35.334	-0.000	-0.000468	0.001	168.713	ug/L
|	Tl	205	69.001	-0.000	-0.000935	0.000	52.373	ug/L
|	Pb	208	2807.910	0.007	0.098645	0.004	3.574	ug/L
⌊>	Bi	209	326204.918	326204.918				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.046
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.278
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.814
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.295

: 00586

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.427

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Units
>	Li	6	349701.237	349701.237		ug/L
	Be	9	0.000	0.000	0.007382	ug/L
	V	51	2687.704	0.000	0.014198	ug/L
	Cu	63	448.019	0.001	0.072247	ug/L
	Cu	65	225.008	0.001	0.073606	ug/L
	Zn	66	307.010	0.001	0.178784	ug/L
	Zn	68	384.014	0.001	0.166142	ug/L
>	Ge	72	248822.534	248822.534		ug/L
	As	75	1759.270	0.007	1.310862	ug/L
	Se	77	138.003	0.000	0.101717	ug/L
	Se	82	-28.309	0.000	0.248848	ug/L
>	Rh	103	298856.896	298856.896		ug/L
	Ag	107	73.001	0.000	0.007665	ug/L
	Cd	111	4.269	0.000	0.001880	ug/L
	Cd	114	6.480	-0.000	-0.000528	ug/L
>	In	115	240435.782	240435.782		ug/L
	Sb	121	1086.080	0.004	0.168318	ug/L
	Sb	123	601.172	0.003	0.164348	ug/L
	Tl	203	30.000	-0.000	-0.001251	ug/L
	Tl	205	80.001	-0.000	-0.001488	ug/L
	Pb	208	2798.248	0.007	0.097012	ug/L
>	Bi	209	329228.612	329228.612		ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Units
>	Li	6	355648.406	355648.406		ug/L
	Be	9	3.000	0.000	0.008128	ug/L
	V	51	2684.182	0.001	0.018818	ug/L
	Cu	63	406.016	0.001	0.063818	ug/L
	Cu	65	209.005	0.001	0.067810	ug/L
	Zn	66	330.011	0.001	0.208151	ug/L
	Zn	68	458.018	0.001	0.278028	ug/L
>	Ge	72	243511.681	243511.681		ug/L
	As	75	1847.656	0.007	1.406946	ug/L
	Se	77	134.003	0.000	0.091318	ug/L
	Se	82	41.521	0.000	0.128919	ug/L
>	Rh	103	298971.348	298971.348		ug/L
	Ag	107	72.001	0.000	0.007528	ug/L
	Cd	111	0.791	-0.000	0.000883	ug/L
	Cd	114	3.305	-0.000	-0.001288	ug/L
>	In	115	241686.342	241686.342		ug/L
	Sb	121	1071.081	0.004	0.166388	ug/L
	Sb	123	651.430	0.003	0.178404	ug/L
	Tl	203	35.000	-0.000	-0.000479	ug/L
	Tl	205	74.001	-0.000	-0.000810	ug/L
	Pb	208	2878.267	0.007	0.102881	ug/L
>	Bi	209	323700.388	323700.388		ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Units
>	Li	6	348680.573	348680.573		ug/L
	Be	9	1.000	0.000	-0.002778	ug/L
	V	51	2672.487	0.000	0.012213	ug/L
	Cu	63	390.015	0.001	0.057580	ug/L
	Cu	65	211.005	0.001	0.064508	ug/L
	Zn	66	320.010	0.001	0.191356	ug/L
	Zn	68	438.018	0.001	0.237888	ug/L
>	Ge	72	248934.956	248934.956		ug/L
	As	75	1773.019	0.007	1.321319	ug/L
	Se	77	129.002	0.000	0.010098	ug/L
	Se	82	22.348	0.000	0.278429	ug/L
>	Rh	103	298129.737	298129.737		ug/L
	Ag	107	52.001	0.000	0.004936	ug/L
	Cd	111	8.584	0.000	0.004456	ug/L
	Cd	114	5.466	-0.000	-0.000753	ug/L
>	In	115	243228.881	243228.881		ug/L
	Sb	121	1091.084	0.004	0.170582	ug/L
	Sb	123	637.302	0.003	0.172183	ug/L
	Tl	203	41.001	0.000	0.000327	ug/L
	Tl	205	73.001	-0.000	-0.000666	ug/L
	Pb	208	2748.229	0.007	0.098232	ug/L
>	Bi	209	325687.756	325687.756		ug/L

: 00587

Sample Information

Sample ID: 1001061-PS2
Autosampler Position: 56
Sample Date/Time: Monday, February 22, 2010 19:21:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001061-PS2.064
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	354021.783	354021.783				ug/L
⌊	Be	9	4194.607	0.012	18.941703	0.223	1.179	ug/L
⌈	V	51	159323.725	0.624	20.104771	0.420	2.088	ug/L
|	Cu	63	81653.892	0.325	20.405494	0.140	0.687	ug/L
|	Cu	65	38802.850	0.154	20.263435	0.553	2.730	ug/L
|	Zn	66	20478.860	0.081	19.538747	0.594	3.041	ug/L
|	Zn	68	15156.887	0.059	19.628931	0.621	3.162	ug/L
\>	Ge	72	251115.030	251115.030				ug/L
|	As	75	34503.327	0.137	26.146429	0.162	0.618	ug/L
|	Se	77	1983.629	0.007	18.700765	0.162	0.864	ug/L
⌊	Se	82	2533.333	0.010	18.748940	0.904	4.823	ug/L
⌈>	Rh	103	298554.137	298554.137				ug/L
|	Ag	107	148701.599	0.498	19.790341	0.427	2.156	ug/L
|	Cd	111	34121.467	0.114	19.197540	0.107	0.556	ug/L
⌊	Cd	114	80160.967	0.268	19.412545	0.297	1.529	ug/L
⌈>	In	115	245619.993	245619.993				ug/L
|	Sb	121	119606.780	0.487	19.660033	0.381	1.937	ug/L
⌊	Sb	123	91351.857	0.372	19.601781	0.345	1.762	ug/L
⌈	Tl	203	144422.542	0.432	19.618931	0.431	2.196	ug/L
|	Tl	205	344569.418	1.031	19.736592	0.754	3.822	ug/L
|	Pb	208	479562.535	1.433	20.277408	0.457	2.254	ug/L
⌊>	Bi	209	334294.265	334294.265				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.785
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
\>	Ge	71.922	100.882
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.004
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	100.871

: 00588

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.868

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	354038.187	354038.187		ug/L
	Be	9	4250.307	0.012	19.192293	ug/L
	V	51	156849.256	0.608	19.624136	ug/L
	Cu	63	81558.809	0.322	20.256114	ug/L
	Cu	65	38188.192	0.151	19.615481	ug/L
	Zn	66	20404.308	0.080	18.342884	ug/L
	Zn	68	14808.478	0.058	19.043661	ug/L
>	Ge	72	252681.470	252681.470		ug/L
	As	75	34474.986	0.136	26.984012	ug/L
	Se	77	1977.293	0.007	18.514292	ug/L
	Se	82	2403.980	0.010	17.704706	ug/L
>	Rh	103	301638.165	301638.165		ug/L
	Ag	107	149838.512	0.496	19.708836	ug/L
	Cd	111	34274.980	0.114	19.088013	ug/L
	Cd	114	79700.527	0.264	19.101619	ug/L
>	In	115	246807.186	246807.186		ug/L
	Sb	121	117453.971	0.476	19.235884	ug/L
	Sb	123	89883.288	0.364	19.218340	ug/L
	Tl	203	144844.284	0.422	18.150331	ug/L
	Tl	205	336767.923	0.988	18.838186	ug/L
	Pb	208	480077.662	1.397	19.756007	ug/L
>	Bi	209	343360.899	343360.899		ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	358678.087	358678.087		ug/L
	Be	9	4185.268	0.012	18.763724	ug/L
	V	51	159488.515	0.633	20.399431	ug/L
	Cu	63	81084.437	0.327	20.534338	ug/L
	Cu	65	39463.107	0.158	20.881783	ug/L
	Zn	66	20898.737	0.084	20.208188	ug/L
	Zn	68	15446.838	0.061	20.279811	ug/L
>	Ge	72	247792.224	247792.224		ug/L
	As	75	34211.347	0.138	26.272188	ug/L
	Se	77	1966.293	0.007	18.791254	ug/L
	Se	82	2570.979	0.011	19.266848	ug/L
>	Rh	103	294838.940	294838.940		ug/L
	Ag	107	150294.210	0.510	20.251808	ug/L
	Cd	111	33875.739	0.116	19.298852	ug/L
	Cd	114	80316.214	0.272	19.693014	ug/L
>	In	115	245350.448	245350.448		ug/L
	Sb	121	120163.510	0.488	19.772488	ug/L
	Sb	123	91740.875	0.374	18.706146	ug/L
	Tl	203	144031.078	0.434	19.708728	ug/L
	Tl	205	343865.381	1.036	19.634541	ug/L
	Pb	208	480543.356	1.447	20.467383	ug/L
>	Bi	209	331752.578	331752.578		ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	351461.076	351461.076		ug/L
	Be	9	4148.246	0.012	18.668082	ug/L
	V	51	161926.401	0.630	20.290747	ug/L
	Cu	63	82317.432	0.325	20.428032	ug/L
	Cu	65	38757.251	0.153	20.083072	ug/L
	Zn	66	20133.536	0.079	19.087179	ug/L
	Zn	68	15217.344	0.059	19.563531	ug/L
>	Ge	72	252881.388	252881.388		ug/L
	As	75	34823.680	0.138	26.203088	ug/L
	Se	77	2007.302	0.007	18.788748	ug/L
	Se	82	2625.031	0.011	19.275186	ug/L
>	Rh	103	299187.308	299187.308		ug/L
	Ag	107	148173.976	0.488	19.410320	ug/L
	Cd	111	34213.801	0.114	19.207958	ug/L
	Cd	114	80466.159	0.269	19.443002	ug/L
>	In	115	245002.384	245002.384		ug/L
	Sb	121	121202.880	0.494	19.971949	ug/L
	Sb	123	92431.629	0.377	19.662867	ug/L
	Tl	203	144382.266	0.440	19.987736	ug/L
	Tl	205	350064.980	1.068	20.437088	ug/L
	Pb	208	478086.585	1.457	20.508866	ug/L
>	Bi	209	327779.262	327779.262		ug/L

Sample ID: 1001061-PS2
Report Date/Time: Monday, February 22, 2010 19:23:40

Sample Information

Sample ID: 1002038-13
Autosampler Position: 57
Sample Date/Time: Monday, February 22, 2010 19:30:22
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-13.065
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	352814.827	352814.827				ug/L
	Be	9	3.000	0.000	0.006238	0.008	125.886	ug/L
	V	51	6401.082	0.015	0.485973	0.024	4.962	ug/L
	Cu	63	2361.081	0.009	0.549154	0.015	2.804	ug/L
	Cu	65	1100.762	0.004	0.530064	0.006	1.198	ug/L
	Zn	66	2231.371	0.008	2.018734	0.052	2.557	ug/L
	Zn	68	1837.588	0.006	2.072315	0.097	4.677	ug/L
>	Ge	72	251581.236	251581.236				ug/L
	As	75	1340.925	0.005	0.979780	0.020	2.019	ug/L
	Se	77	136.336	0.000	0.070000	0.044	63.130	ug/L
	Se	82	-54.212	0.000	0.046472	0.149	319.712	ug/L
>	Rh	103	302453.678	302453.678				ug/L
	Ag	107	92.002	0.000	0.010045	0.002	17.651	ug/L
	Cd	111	16.917	0.000	0.008974	0.004	42.436	ug/L
	Cd	114	16.361	0.000	0.001823	0.002	101.784	ug/L
>	In	115	243155.004	243155.004				ug/L
	Sb	121	423.350	0.001	0.059702	0.008	12.630	ug/L
	Sb	123	329.715	0.001	0.062160	0.005	7.434	ug/L
	Tl	203	56.001	0.000	0.002244	0.001	59.433	ug/L
	Tl	205	127.002	0.000	0.002305	0.001	31.864	ug/L
	Pb	208	7942.481	0.022	0.313712	0.007	2.325	ug/L
>	Bi	209	333585.898	333585.898				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.452
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	101.069
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.310
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	99.859

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.654

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	348241.434	348241.434		ug/L
	Be	9	2.000	0.000	0.001823	ug/L
	V	51	6220.017	0.018	0.488234	ug/L
	Cu	63	2373.418	0.008	0.557076	ug/L
	Cu	65	1088.083	0.004	0.525468	ug/L
	Zn	66	2214.388	0.008	2.019888	ug/L
	Zn	68	1771.237	0.008	2.003888	ug/L
>	Ge	72	249567.117	249567.117		ug/L
	As	75	1310.928	0.006	0.965104	ug/L
	Se	77	137.003	0.000	0.089000	ug/L
	Se	82	61.624	-0.000	0.008766	ug/L
>	Rh	103	302690.398	302690.398		ug/L
	Ag	107	93.002	0.000	0.010167	ug/L
	Cd	111	24.787	0.000	0.013341	ug/L
	Cd	114	22.356	0.000	0.003252	ug/L
>	In	115	244488.147	244488.147		ug/L
	Sb	121	473.020	0.002	0.087541	ug/L
	Sb	123	341.780	0.001	0.064368	ug/L
	Tl	203	48.001	0.000	0.001080	ug/L
	Tl	205	117.002	0.000	0.001630	ug/L
	Pb	208	7965.821	0.022	0.309788	ug/L
>	Bi	209	338483.066	338483.066		ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	352788.568	352788.568		ug/L
	Be	9	5.000	0.000	0.015304	ug/L
	V	51	6600.838	0.018	0.513612	ug/L
	Cu	63	2264.388	0.008	0.531410	ug/L
	Cu	65	1112.068	0.004	0.537788	ug/L
	Zn	66	2171.352	0.008	1.988648	ug/L
	Zn	68	1617.276	0.007	2.183221	ug/L
>	Ge	72	250987.268	250987.268		ug/L
	As	75	1367.280	0.006	1.002276	ug/L
	Se	77	131.003	0.000	0.019680	ug/L
	Se	82	66.718	0.000	0.008777	ug/L
>	Rh	103	302445.333	302445.333		ug/L
	Ag	107	106.002	0.000	0.011784	ug/L
	Cd	111	12.172	0.000	0.008341	ug/L
	Cd	114	19.146	0.000	0.002488	ug/L
>	In	115	241180.986	241180.986		ug/L
	Sb	121	416.018	0.001	0.058084	ug/L
	Sb	123	341.258	0.001	0.066286	ug/L
	Tl	203	54.001	0.000	0.001998	ug/L
	Tl	205	140.003	0.000	0.003087	ug/L
	Pb	208	7798.753	0.022	0.306241	ug/L
>	Bi	209	331918.958	331918.958		ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	357418.478	357418.478		ug/L
	Be	9	2.000	0.000	0.001587	ug/L
	V	51	6382.788	0.015	0.475072	ug/L
	Cu	63	2425.438	0.009	0.556875	ug/L
	Cu	65	1105.087	0.004	0.526329	ug/L
	Zn	66	2308.388	0.009	2.098787	ug/L
	Zn	68	1824.251	0.008	2.029828	ug/L
>	Ge	72	254219.323	254219.323		ug/L
	As	75	1344.580	0.005	0.971868	ug/L
	Se	77	141.003	0.000	0.102380	ug/L
	Se	82	31.293	0.000	0.214980	ug/L
>	Rh	103	302225.308	302225.308		ug/L
	Ag	107	78.001	0.000	0.008214	ug/L
	Cd	111	13.783	0.000	0.007241	ug/L
	Cd	114	7.582	-0.000	-0.000274	ug/L
>	In	115	243838.881	243838.881		ug/L
	Sb	121	381.014	0.001	0.052500	ug/L
	Sb	123	306.128	0.001	0.058680	ug/L
	Tl	203	66.001	0.000	0.002663	ug/L
	Tl	205	124.002	0.000	0.002199	ug/L
	Pb	208	8062.870	0.023	0.322130	ug/L
>	Bi	209	330347.643	330347.643		ug/L

: 00591

Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 22, 2010 19:33:51
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.066
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	352264.439	352264.439				ug/L
⌊	Be	9	7933.483	0.023	36.010847	0.253	0.701	ug/L
⌈	V	51	287429.521	1.167	37.597332	0.610	1.624	ug/L
|	Cu	63	154125.325	0.631	39.659463	0.127	0.319	ug/L
|	Cu	65	72911.645	0.298	39.203115	0.114	0.290	ug/L
|	Zn	66	39254.309	0.160	38.633171	0.401	1.038	ug/L
|	Zn	68	28780.488	0.117	38.663154	0.238	0.616	ug/L
|>	Ge	72	244109.194	244109.194				ug/L
|	As	75	51006.677	0.209	39.784675	0.772	1.941	ug/L
|	Se	77	3877.758	0.015	38.928125	0.984	2.527	ug/L
⌊	Se	82	5118.088	0.021	38.488929	0.402	1.045	ug/L
⌈>	Rh	103	302285.370	302285.370				ug/L
|	Ag	107	290340.351	0.961	38.165686	0.643	1.686	ug/L
|	Cd	111	66642.836	0.220	37.029106	0.253	0.684	ug/L
⌊	Cd	114	158520.222	0.524	37.913133	0.071	0.189	ug/L
⌈>	In	115	241611.428	241611.428				ug/L
|	Sb	121	215128.860	0.890	35.969421	1.635	4.546	ug/L
⌊	Sb	123	164766.809	0.682	35.958373	1.245	3.462	ug/L
⌈	Tl	203	272758.477	0.846	38.417476	0.474	1.233	ug/L
|	Tl	205	654453.955	2.030	38.858913	0.586	1.507	ug/L
|	Pb	208	869378.088	2.695	38.129057	0.431	1.131	ug/L
⌊>	Bi	209	322377.794	322377.794				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.300
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.067
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	101.254
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.225

: 00592

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.272

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B22027-CCV	Sb	121	
0B22027-CCV	Sb	123	

OK

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	353127.829	353127.829		ug/L
Be	9	7698.444	0.022	35.763581	ug/L
V	51	288610.662	1.151	37.087204	ug/L
Cu	63	155353.798	0.629	38.646584	ug/L
Cu	65	73620.158	0.298	39.106182	ug/L
Zn	66	39831.705	0.161	38.880117	ug/L
Zn	68	26890.597	0.116	38.381811	ug/L
Ge	72	246751.088	246751.088		ug/L
As	75	50619.073	0.206	39.051421	ug/L
Se	77	3810.054	0.016	37.796818	ug/L
Se	82	5111.386	0.021	38.029589	ug/L
Rh	103	305432.527	305432.527		ug/L
Ag	107	287982.480	0.943	37.480932	ug/L
Cd	111	67866.449	0.222	37.316168	ug/L
Cd	114	160023.980	0.524	37.877878	ug/L
In	115	244658.143	244658.143		ug/L
Sb	121	207887.137	0.849	34.313212	ug/L
Sb	123	180862.881	0.857	34.815408	ug/L
Tl	203	274137.227	0.838	37.978758	ug/L
Tl	205	653812.876	1.996	38.182588	ug/L
Pb	208	873643.877	2.664	37.687828	ug/L
Bi	209	327718.588	327718.588		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	352871.087	352871.087		ug/L
Be	9	7940.491	0.023	36.000562	ug/L
V	51	288199.998	1.163	37.480069	ug/L
Cu	63	153817.181	0.630	38.635628	ug/L
Cu	65	72804.882	0.298	39.175071	ug/L
Zn	66	38756.240	0.158	38.170244	ug/L
Zn	68	26887.585	0.117	38.837109	ug/L
Ge	72	243821.312	243821.312		ug/L
As	75	50880.757	0.208	39.711847	ug/L
Se	77	3938.129	0.016	39.579928	ug/L
Se	82	5137.441	0.021	38.864646	ug/L
Rh	103	303219.133	303219.133		ug/L
Ag	107	292407.986	0.954	38.314306	ug/L
Cd	111	66873.753	0.220	36.933967	ug/L
Cd	114	158814.963	0.524	37.866110	ug/L
In	115	241832.567	241832.567		ug/L
Sb	121	215668.608	0.892	36.012457	ug/L
Sb	123	186011.419	0.688	36.186248	ug/L
Tl	203	274041.662	0.857	38.919781	ug/L
Tl	205	654834.044	2.047	39.191481	ug/L
Pb	208	871700.878	2.725	38.549583	ug/L
Bi	209	319684.411	319684.411		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	350984.419	350984.419		ug/L
Be	9	7961.614	0.023	36.268378	ug/L
V	51	289877.874	1.188	38.284723	ug/L
Cu	63	153104.998	0.633	39.798288	ug/L
Cu	65	72409.883	0.298	39.328082	ug/L
Zn	66	39075.982	0.161	38.849151	ug/L
Zn	68	28563.281	0.117	38.760543	ug/L
Ge	72	241656.184	241656.184		ug/L
As	75	51523.200	0.215	40.590958	ug/L
Se	77	3885.086	0.016	39.407631	ug/L
Se	82	5106.438	0.021	38.777641	ug/L
Rh	103	298204.452	298204.452		ug/L
Ag	107	290630.589	0.975	38.721821	ug/L
Cd	111	65398.307	0.219	36.837196	ug/L
Cd	114	156721.753	0.526	37.995411	ug/L
In	115	238342.543	238342.543		ug/L
Sb	121	221820.834	0.930	37.582586	ug/L
Sb	123	187826.127	0.703	37.073469	ug/L
Tl	203	270096.542	0.845	38.353893	ug/L
Tl	205	654915.145	2.048	39.202871	ug/L
Pb	208	862789.511	2.697	38.149763	ug/L
Bi	209	319730.403	319730.403		ug/L

: 00593

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 19:42:19
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.067
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	348097.143	348097.143				ug/L
⌊	Be	9	0.667	-0.000	-0.004343	0.005	120.436	ug/L
⌈	V	51	2251.022	-0.001	-0.037464	0.009	24.388	ug/L
|	Cu	63	163.337	0.000	0.001062	0.004	381.432	ug/L
|	Cu	65	81.668	-0.000	-0.001089	0.003	293.272	ug/L
|	Zn	66	134.336	0.000	0.013876	0.008	58.847	ug/L
|	Zn	68	263.007	0.000	0.011415	0.027	234.075	ug/L
|>	Ge	72	244879.464	244879.464				ug/L
|	As	75	5.578	-0.000	-0.031751	0.017	54.320	ug/L
|	Se	77	122.002	-0.000	-0.039321	0.091	231.503	ug/L
⌊	Se	82	-35.479	0.000	0.173866	0.123	70.950	ug/L
⌈>	Rh	103	295733.930	295733.930				ug/L
|	Ag	107	69.001	0.000	0.007231	0.001	16.477	ug/L
|	Cd	111	5.792	0.000	0.002876	0.002	61.247	ug/L
⌊	Cd	114	9.418	0.000	0.000216	0.000	231.547	ug/L
⌈>	In	115	237583.050	237583.050				ug/L
|	Sb	121	553.694	0.002	0.083522	0.007	8.651	ug/L
⌊	Sb	123	429.388	0.002	0.085944	0.001	1.515	ug/L
⌈	Tl	203	38.667	0.000	0.000063	0.001	876.685	ug/L
|	Tl	205	90.335	0.000	0.000382	0.000	116.333	ug/L
|	Pb	208	511.679	-0.000	-0.000665	0.001	140.493	ug/L
⌊>	Bi	209	322114.594	322114.594				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.148
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.377
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.059
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.570

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.193

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
U	6	348449.210	348449.210		ug/L
Be	9	0.000	0.000	0.007362	ug/L
V	51	2333.451	0.001	0.031083	ug/L
Cu	63	148.003	0.000	0.003488	ug/L
Cu	65	89.001	0.000	0.002197	ug/L
Zn	66	129.002	0.000	0.008680	ug/L
Zn	68	246.007	0.000	0.016688	ug/L
Ge	72	248471.217	248471.217		ug/L
As	75	21.408	-0.000	-0.019430	ug/L
Se	77	120.003	-0.000	0.079175	ug/L
Se	82	-32.521	0.000	0.200828	ug/L
Rh	103	297464.531	297464.531		ug/L
Ag	107	65.001	0.000	0.006842	ug/L
Cd	111	2.348	0.000	0.000807	ug/L
Cd	114	8.561	-0.000	-0.000007	ug/L
In	115	238976.554	238976.554		ug/L
Sb	121	584.030	0.002	0.088098	ug/L
Sb	123	438.388	0.002	0.087378	ug/L
Tl	203	36.000	0.000	0.000364	ug/L
Tl	205	90.001	0.000	0.000320	ug/L
Pb	208	525.013	-0.000	-0.000260	ug/L
Bi	209	324868.807	324868.807		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
U	6	342757.444	342757.444		ug/L
Be	9	0.000	0.000	-0.007362	ug/L
V	51	2192.284	0.001	-0.047832	ug/L
Cu	63	170.004	0.000	0.002320	ug/L
Cu	65	82.001	-0.000	-0.001283	ug/L
Zn	66	134.003	0.000	0.012187	ug/L
Zn	68	268.008	0.000	0.014440	ug/L
Ge	72	247201.262	247201.262		ug/L
As	75	14.904	-0.000	-0.024360	ug/L
Se	77	117.002	-0.000	-0.103826	ug/L
Se	82	-21.384	0.000	0.281513	ug/L
Rh	103	294914.986	294914.986		ug/L
Ag	107	79.001	0.000	0.008603	ug/L
Cd	111	9.266	0.000	0.004301	ug/L
Cd	114	7.999	-0.000	-0.000134	ug/L
In	115	236039.449	236039.449		ug/L
Sb	121	572.029	0.002	0.087274	ug/L
Sb	123	425.136	0.002	0.085621	ug/L
Tl	203	37.000	-0.000	-0.000148	ug/L
Tl	205	83.001	-0.000	0.000029	ug/L
Pb	208	524.013	0.000	-0.000002	ug/L
Bi	209	320435.997	320435.997		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
U	6	353084.777	353084.777		ug/L
Be	9	2.000	0.000	0.001667	ug/L
V	51	2227.320	0.001	0.033388	ug/L
Cu	63	172.004	0.000	0.004338	ug/L
Cu	65	74.001	-0.000	-0.004160	ug/L
Zn	66	140.003	0.000	0.022760	ug/L
Zn	68	275.008	0.000	0.038493	ug/L
Ge	72	238966.914	238966.914		ug/L
As	75	-19.580	-0.000	-0.051461	ug/L
Se	77	129.002	0.000	0.064838	ug/L
Se	82	52.553	0.000	0.039258	ug/L
Rh	103	294822.272	294822.272		ug/L
Ag	107	63.001	0.000	0.008450	ug/L
Cd	111	6.738	0.000	0.003420	ug/L
Cd	114	11.724	0.000	0.000788	ug/L
In	115	237733.147	237733.147		ug/L
Sb	121	508.023	0.002	0.075192	ug/L
Sb	123	424.638	0.002	0.084834	ug/L
Tl	203	43.001	0.000	0.000688	ug/L
Tl	205	98.002	0.000	0.000863	ug/L
Pb	208	486.011	0.000	0.001733	ug/L
Bi	209	321240.979	321240.979		ug/L

: 00595

Sample Information

Sample ID: 1001063-BLK2
Autosampler Position: 58
Sample Date/Time: Monday, February 22, 2010 19:47:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001063-BLK2.068
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	350826.718	350826.718				ug/L
⌊	Be	9	1.667	0.000	0.000218	0.003	1177.180	ug/L
⌈	V	51	2495.585	-0.000	-0.010780	0.006	59.456	ug/L
|	Cu	63	658.037	0.002	0.125255	0.001	0.956	ug/L
|	Cu	65	299.343	0.001	0.113014	0.022	19.609	ug/L
|	Zn	66	1169.441	0.004	1.013371	0.010	0.988	ug/L
|	Zn	68	1009.081	0.003	0.996453	0.017	1.747	ug/L
|>	Ge	72	248993.064	248993.064				ug/L
|	As	75	-15.225	-0.000	-0.047463	0.017	36.058	ug/L
|	Se	77	129.336	0.000	0.013179	0.135	1021.589	ug/L
⌊	Se	82	-39.760	0.000	0.149284	0.203	135.935	ug/L
⌈>	Rh	103	302597.281	302597.281				ug/L
|	Ag	107	46.334	0.000	0.004047	0.001	19.163	ug/L
|	Cd	111	4.949	0.000	0.002352	0.003	130.195	ug/L
⌊	Cd	114	7.534	-0.000	-0.000286	0.001	251.894	ug/L
⌈>	In	115	242425.555	242425.555				ug/L
|	Sb	121	350.012	0.001	0.047712	0.004	8.563	ug/L
⌊	Sb	123	259.294	0.001	0.047031	0.006	12.698	ug/L
⌈	Tl	203	24.334	-0.000	-0.002054	0.000	9.184	ug/L
|	Tl	205	69.668	-0.000	-0.000958	0.000	14.000	ug/L
|	Pb	208	468.677	-0.000	-0.003126	0.001	42.715	ug/L
⌊>	Bi	209	331201.580	331201.580				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.902
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	100.029
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	101.358
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.559

: 00596

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.935

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	353983.678	353983.678		ug/L
Be	9	2.000	0.000	0.001674	ug/L
V	51	2544.175	-0.000	0.008429	ug/L
Cu	63	666.037	0.002	0.124281	ug/L
Cu	65	290.008	0.001	0.107726	ug/L
Zn	66	1165.107	0.004	1.006903	ug/L
Zn	68	1014.082	0.003	0.969238	ug/L
Ge	72	249722.759	249722.759		ug/L
As	75	1.618	-0.000	-0.034462	ug/L
Se	77	144.005	0.000	0.158080	ug/L
Se	82	-29.372	0.000	0.224902	ug/L
Rh	103	306224.927	306224.927		ug/L
Ag	107	51.001	0.000	0.004588	ug/L
Cd	111	-1.012	-0.000	-0.000876	ug/L
Cd	114	10.334	0.000	0.000380	ug/L
In	115	243876.504	243876.504		ug/L
Sb	121	357.012	0.001	0.046516	ug/L
Sb	123	292.380	0.001	0.053867	ug/L
Tl	203	24.000	0.000	0.002148	ug/L
Tl	205	99.001	0.000	0.001068	ug/L
Pb	208	472.011	0.000	0.003276	ug/L
Bi	209	336201.564	336201.564		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	351668.392	351668.392		ug/L
Be	9	2.000	0.000	0.001733	ug/L
V	51	2521.839	-0.000	-0.009028	ug/L
Cu	63	660.037	0.002	0.124821	ug/L
Cu	65	347.012	0.001	0.137340	ug/L
Zn	66	1187.111	0.004	1.024744	ug/L
Zn	68	1026.084	0.003	1.012298	ug/L
Ge	72	250245.593	250246.593		ug/L
As	75	40.717	-0.000	-0.068653	ug/L
Se	77	118.002	0.000	-0.108088	ug/L
Se	82	-71.581	-0.000	-0.080587	ug/L
Rh	103	305598.402	305598.402		ug/L
Ag	107	40.001	0.000	0.003180	ug/L
Cd	111	6.187	0.000	0.002982	ug/L
Cd	114	4.334	0.000	-0.001082	ug/L
In	115	242808.001	242808.001		ug/L
Sb	121	324.011	0.001	0.043265	ug/L
Sb	123	240.251	0.001	0.042625	ug/L
Tl	203	26.000	-0.000	-0.001836	ug/L
Tl	205	68.001	-0.000	-0.001012	ug/L
Pb	208	503.012	0.000	0.001722	ug/L
Bi	209	332309.588	332309.588		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	346828.085	346828.085		ug/L
Be	9	1.000	-0.000	-0.002791	ug/L
V	51	2421.009	-0.001	-0.017883	ug/L
Cu	63	658.037	0.002	0.126584	ug/L
Cu	65	281.007	0.001	0.093876	ug/L
Zn	66	1158.105	0.004	1.008498	ug/L
Zn	68	987.079	0.003	0.977821	ug/L
Ge	72	247010.839	247010.839		ug/L
As	75	8.776	0.000	0.041076	ug/L
Se	77	126.002	-0.000	0.010437	ug/L
Se	82	-18.348	0.000	0.303548	ug/L
Rh	103	295868.514	295868.514		ug/L
Ag	107	48.001	0.000	0.004382	ug/L
Cd	111	9.673	0.000	0.005082	ug/L
Cd	114	7.934	0.000	0.000156	ug/L
In	115	240592.158	240592.158		ug/L
Sb	121	389.013	0.001	0.051337	ug/L
Sb	123	245.251	0.001	0.044401	ug/L
Tl	203	23.000	0.000	0.002177	ug/L
Tl	205	71.001	0.000	0.000808	ug/L
Pb	208	431.008	0.000	0.004380	ug/L
Bi	209	325083.580	325083.580		ug/L

: 00597

Sample Information

Sample ID: 1001063-BS2
Autosampler Position: 59
Sample Date/Time: Monday, February 22, 2010 19:51:25
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001063-BS2.069
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	352840.155	352840.155				ug/L
	Be	9	3813.389	0.011	17.277134	0.283	1.638	ug/L
	V	51	145501.164	0.577	18.586616	0.370	1.991	ug/L
	Cu	63	76125.966	0.307	19.280039	0.149	0.774	ug/L
	Cu	65	35824.638	0.144	18.958202	0.312	1.646	ug/L
	Zn	66	19241.073	0.077	18.599213	0.259	1.395	ug/L
	Zn	68	13956.094	0.055	18.294216	0.223	1.217	ug/L
>	Ge	72	247755.237	247755.237				ug/L
	As	75	23617.766	0.095	18.135576	0.712	3.924	ug/L
	Se	77	1840.255	0.007	17.505625	0.059	0.335	ug/L
	Se	82	2349.609	0.010	17.653957	0.575	3.258	ug/L
>	Rh	103	302091.041	302091.041				ug/L
	Ag	107	138519.302	0.459	18.217636	0.172	0.946	ug/L
	Cd	111	31910.511	0.106	17.742715	0.125	0.707	ug/L
	Cd	114	75001.298	0.248	17.949476	0.286	1.594	ug/L
>	In	115	240755.508	240755.508				ug/L
	Sb	121	108343.735	0.450	18.166863	0.293	1.611	ug/L
	Sb	123	83473.738	0.347	18.272642	0.331	1.810	ug/L
	Tl	203	134971.985	0.412	18.714982	0.560	2.993	ug/L
	Tl	205	321538.265	0.982	18.791223	0.410	2.181	ug/L
	Pb	208	432381.666	1.319	18.657976	0.468	2.510	ug/L
>	Bi	209	327549.198	327549.198				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.459
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.532
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.189
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.873

: 00598

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.833

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	353777.845	353777.845		ug/L
Be	9	3838.089	0.011	17.342778	ug/L
V	51	144626.911	0.584	19.161628	ug/L
Cu	63	77037.977	0.306	19.180244	ug/L
Cu	65	35806.882	0.142	18.634747	ug/L
Zn	66	19308.254	0.076	18.354589	ug/L
Zn	68	13998.840	0.056	18.040314	ug/L
Ge	72	251880.597	251880.597		ug/L
As	75	22942.249	0.091	17.320086	ug/L
Se	77	1877.266	0.007	17.570139	ug/L
Se	82	2288.026	0.009	16.994803	ug/L
Rh	103	304430.053	304430.053		ug/L
Ag	107	136086.338	0.464	18.020443	ug/L
Cd	111	32261.717	0.106	17.800080	ug/L
Cd	114	74197.501	0.244	17.619381	ug/L
In	115	240846.010	240846.010		ug/L
Sb	121	106281.925	0.441	17.829180	ug/L
Sb	123	82411.008	0.342	18.047384	ug/L
Tl	203	134043.370	0.398	18.071728	ug/L
Tl	205	322504.040	0.958	18.328852	ug/L
Pb	208	432000.019	1.281	18.126439	ug/L
Bi	209	336708.540	336708.540		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	352747.717	352747.717		ug/L
Be	9	3744.018	0.011	16.887044	ug/L
V	51	148150.293	0.582	18.761447	ug/L
Cu	63	75431.967	0.300	18.197838	ug/L
Cu	65	35699.348	0.144	18.582475	ug/L
Zn	66	19120.748	0.077	18.671888	ug/L
Zn	68	13867.783	0.056	18.388621	ug/L
Ge	72	246534.806	246534.806		ug/L
As	75	22924.621	0.097	18.456878	ug/L
Se	77	1826.252	0.007	17.456386	ug/L
Se	82	2373.971	0.010	17.912830	ug/L
Rh	103	302107.474	302107.474		ug/L
Ag	107	139456.580	0.462	18.339214	ug/L
Cd	111	31853.641	0.105	17.598798	ug/L
Cd	114	75081.831	0.250	18.105276	ug/L
In	115	239759.714	239759.714		ug/L
Sb	121	108834.964	0.454	18.325227	ug/L
Sb	123	84858.688	0.354	18.652418	ug/L
Tl	203	135537.180	0.418	18.978780	ug/L
Tl	205	323736.980	0.998	19.106380	ug/L
Pb	208	432237.502	1.332	18.837419	ug/L
Bi	209	324181.948	324181.948		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	351994.903	351994.903		ug/L
Be	9	3858.080	0.011	17.521580	ug/L
V	51	145724.280	0.585	18.836774	ug/L
Cu	63	75907.986	0.309	19.452233	ug/L
Cu	65	35987.689	0.147	19.257386	ug/L
Zn	66	19294.216	0.078	18.871181	ug/L
Zn	68	13913.677	0.056	18.466813	ug/L
Ge	72	244880.308	244880.308		ug/L
As	75	23086.427	0.098	18.630894	ug/L
Se	77	1817.249	0.007	17.491341	ug/L
Se	82	2376.830	0.010	18.064236	ug/L
Rh	103	299735.587	299735.587		ug/L
Ag	107	138014.978	0.460	18.293252	ug/L
Cd	111	31816.274	0.106	17.629258	ug/L
Cd	114	75144.582	0.251	18.123792	ug/L
In	115	241880.798	241880.798		ug/L
Sb	121	109814.316	0.454	18.346203	ug/L
Sb	123	83151.520	0.344	18.118127	ug/L
Tl	203	135336.408	0.421	19.084439	ug/L
Tl	205	318373.784	0.988	18.935439	ug/L
Pb	208	432807.478	1.344	19.010071	ug/L
Bi	209	321749.106	321749.106		ug/L

: 00599

Sample Information

Sample ID: 1002038-14
Autosampler Position: 60
Sample Date/Time: Monday, February 22, 2010 19:59:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-14.070
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	344549.847	344549.847				ug/L
	Be	9	3.000	0.000	0.006549	0.005	69.303	ug/L
	V	51	4125.954	0.006	0.206623	0.028	13.538	ug/L
	Cu	63	4973.114	0.020	1.229930	0.017	1.410	ug/L
	Cu	65	2485.124	0.010	1.282101	0.016	1.257	ug/L
	Zn	66	4301.004	0.017	4.094075	0.074	1.806	ug/L
	Zn	68	3462.207	0.013	4.310513	0.056	1.300	ug/L
>	Ge	72	246071.066	246071.066				ug/L
	As	75	439.174	0.002	0.304337	0.034	11.021	ug/L
	Se	77	136.336	0.000	0.101138	0.090	89.197	ug/L
	Se	82	-40.266	0.000	0.141399	0.035	24.708	ug/L
>	Rh	103	298360.456	298360.456				ug/L
	Ag	107	394.015	0.001	0.050439	0.007	14.016	ug/L
	Cd	111	64.775	0.000	0.036045	0.003	7.337	ug/L
	Cd	114	166.136	0.001	0.038168	0.002	6.136	ug/L
>	In	115	237922.847	237922.847				ug/L
	Sb	121	1776.905	0.007	0.291067	0.005	1.606	ug/L
	Sb	123	1366.557	0.006	0.293458	0.009	2.923	ug/L
	Tl	203	73.334	0.000	0.004668	0.001	14.404	ug/L
	Tl	205	171.337	0.000	0.004915	0.001	14.325	ug/L
	Pb	208	108506.843	0.326	4.612643	0.074	1.606	ug/L
>	Bi	209	331161.243	331161.243				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.169
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.855
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.939
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	97.710

00600

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.923

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339930.108	339930.108		ug/L
Be	9	3.000	0.000	0.008794	ug/L
V	51	3818.534	0.006	0.174978	ug/L
Cu	63	4964.788	0.019	1.214307	ug/L
Cu	65	2522.471	0.010	1.290307	ug/L
Zn	66	4263.316	0.017	4.020167	ug/L
Zn	68	3529.807	0.013	4.380086	ug/L
Ge	72	248246.804	248246.804		ug/L
As	75	433.254	0.002	0.296708	ug/L
Se	77	135.003	0.000	0.074938	ug/L
Se	82	38.638	0.000	0.156882	ug/L
Rh	103	298883.996	298883.996		ug/L
Ag	107	335.011	0.001	0.042496	ug/L
Cd	111	83.556	0.000	0.035298	ug/L
Cd	114	175.538	0.001	0.040375	ug/L
In	115	239858.431	239858.431		ug/L
Sb	121	1767.236	0.007	0.286662	ug/L
Sb	123	1421.778	0.006	0.303195	ug/L
Tl	203	77.001	0.000	0.005034	ug/L
Tl	205	188.004	0.000	0.005827	ug/L
Pb	208	108185.353	0.321	4.539079	ug/L
Bi	209	335449.402	335449.402		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	345587.038	345587.038		ug/L
Be	9	2.000	0.000	0.001893	ug/L
V	51	4172.746	0.007	0.216842	ug/L
Cu	63	5007.805	0.020	1.248580	ug/L
Cu	65	2431.438	0.010	1.263534	ug/L
Zn	66	4343.384	0.017	4.168022	ug/L
Zn	68	3443.864	0.013	4.321775	ug/L
Ge	72	244184.067	244184.067		ug/L
As	75	482.869	0.002	0.341036	ug/L
Se	77	145.003	0.000	0.201550	ug/L
Se	82	-36.544	0.000	0.168758	ug/L
Rh	103	298586.906	298586.906		ug/L
Ag	107	412.016	0.001	0.052788	ug/L
Cd	111	70.043	0.000	0.038983	ug/L
Cd	114	167.282	0.001	0.038418	ug/L
In	115	237687.975	237687.975		ug/L
Sb	121	1806.246	0.007	0.298171	ug/L
Sb	123	1350.134	0.006	0.290157	ug/L
Tl	203	75.001	0.000	0.005079	ug/L
Tl	205	168.004	0.000	0.004898	ug/L
Pb	208	106336.166	0.331	4.667226	ug/L
Bi	209	325348.818	325348.818		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	349132.384	349132.384		ug/L
Be	9	4.000	0.000	0.010981	ug/L
V	51	4286.582	0.007	0.228049	ug/L
Cu	63	4958.788	0.020	1.226891	ug/L
Cu	65	2501.463	0.010	1.292462	ug/L
Zn	66	4298.335	0.017	4.094034	ug/L
Zn	68	3412.849	0.013	4.249680	ug/L
Ge	72	245782.528	245782.528		ug/L
As	75	401.299	0.001	0.275267	ug/L
Se	77	129.002	0.000	0.026927	ug/L
Se	82	45.615	0.000	0.101548	ug/L
Rh	103	297611.467	297611.467		ug/L
Ag	107	435.018	0.001	0.056037	ug/L
Cd	111	90.727	0.000	0.030856	ug/L
Cd	114	153.590	0.000	0.035711	ug/L
In	115	236221.135	236221.135		ug/L
Sb	121	1758.234	0.007	0.290037	ug/L
Sb	123	1327.759	0.006	0.287023	ug/L
Tl	203	68.001	0.000	0.003892	ug/L
Tl	205	160.003	0.000	0.004220	ug/L
Pb	208	109000.008	0.328	4.611621	ug/L
Bi	209	332686.507	332686.507		ug/L

: 00601

Sample Information

Sample ID: 1001063-MS2
Autosampler Position: 61
Sample Date/Time: Monday, February 22, 2010 20:03:26
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001063-MS2.071
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	345599.053	345599.053				ug/L
⌊	Be	9	3947.797	0.011	18.262150	0.324	1.772	ug/L
⌈	V	51	151369.455	0.602	19.404739	0.218	1.125	ug/L
|	Cu	63	83061.009	0.336	21.103332	0.421	1.994	ug/L
|	Cu	65	39842.547	0.161	21.148335	0.133	0.629	ug/L
|	Zn	66	25523.114	0.103	24.783483	0.602	2.429	ug/L
|	Zn	68	18911.526	0.076	24.983125	0.051	0.205	ug/L
|>	Ge	72	247033.904	247033.904				ug/L
|	As	75	24504.270	0.099	18.866013	0.093	0.494	ug/L
|	Se	77	1826.252	0.007	17.416650	0.179	1.030	ug/L
⌊	Se	82	2228.769	0.009	16.812357	0.265	1.577	ug/L
⌈>	Rh	103	293912.942	293912.942				ug/L
|	Ag	107	132862.294	0.452	17.959042	0.074	0.412	ug/L
|	Cd	111	31827.043	0.108	18.188327	0.299	1.644	ug/L
⌊	Cd	114	74969.051	0.255	18.439685	0.119	0.646	ug/L
⌈>	In	115	239658.180	239658.180				ug/L
|	Sb	121	111677.371	0.466	18.816210	0.333	1.767	ug/L
⌊	Sb	123	85586.332	0.357	18.821603	0.130	0.692	ug/L
⌈	Tl	203	135724.239	0.412	18.726949	0.595	3.175	ug/L
|	Tl	205	321445.168	0.977	18.695301	0.492	2.631	ug/L
|	Pb	208	729874.744	2.216	31.353815	0.500	1.595	ug/L
⌊>	Bi	209	329118.955	329118.955				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.458
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.242
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.449
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.422

: 00602

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.306

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	344873.438	344873.438		ug/L
Be	9	3963.156	0.012	18.520888	ug/L
V	51	150864.481	0.604	19.447321	ug/L
Cu	63	84032.244	0.342	21.497138	ug/L
Cu	65	39863.268	0.162	21.301582	ug/L
Zn	66	25498.679	0.103	24.827571	ug/L
Zn	68	18822.867	0.076	25.040382	ug/L
Ge	72	245321.059	245321.059		ug/L
As	75	24382.569	0.099	18.887334	ug/L
Se	77	1817.249	0.007	17.456278	ug/L
Se	82	2213.899	0.009	18.618188	ug/L
Rh	103	294569.788	294569.788		ug/L
Ag	107	133108.113	0.452	17.982642	ug/L
Cd	111	31914.421	0.108	18.141480	ug/L
Cd	114	74700.923	0.254	18.358487	ug/L
In	115	244831.625	244831.625		ug/L
Sb	121	111788.046	0.456	18.432263	ug/L
Sb	123	86863.218	0.355	18.897816	ug/L
Tl	203	134298.119	0.456	19.186340	ug/L
Tl	205	319918.600	0.953	18.241200	ug/L
Pb	208	731580.757	2.178	30.812858	ug/L
Bi	209	335612.618	335612.618		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	347520.560	347520.560		ug/L
Be	9	3861.088	0.011	17.899213	ug/L
V	51	151336.604	0.596	19.168387	ug/L
Cu	63	82292.143	0.329	20.859888	ug/L
Cu	65	40185.123	0.160	21.080128	ug/L
Zn	66	25143.427	0.100	24.122497	ug/L
Zn	68	19123.757	0.075	24.987746	ug/L
Ge	72	249956.736	249956.736		ug/L
As	75	24881.056	0.098	18.762932	ug/L
Se	77	1863.262	0.007	17.573530	ug/L
Se	82	2218.822	0.009	18.545784	ug/L
Rh	103	294120.193	294120.193		ug/L
Ag	107	133524.787	0.454	18.035856	ug/L
Cd	111	32408.663	0.110	18.507888	ug/L
Cd	114	75575.898	0.257	18.575884	ug/L
In	115	237787.584	237787.584		ug/L
Sb	121	111989.894	0.471	19.008832	ug/L
Sb	123	85536.081	0.360	18.967398	ug/L
Tl	203	134568.672	0.411	18.866972	ug/L
Tl	205	318628.787	0.973	18.626806	ug/L
Pb	208	728283.673	2.223	31.449806	ug/L
Bi	209	327340.822	327340.822		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	344603.163	344603.163		ug/L
Be	9	3958.137	0.011	18.366567	ug/L
V	51	152117.282	0.609	19.598530	ug/L
Cu	63	82858.841	0.336	21.152692	ug/L
Cu	65	39469.251	0.160	21.063318	ug/L
Zn	66	25929.238	0.105	25.300380	ug/L
Zn	68	18787.864	0.075	24.941238	ug/L
Ge	72	245823.916	245823.916		ug/L
As	75	24488.186	0.099	18.946772	ug/L
Se	77	1798.244	0.007	17.221142	ug/L
Se	82	2253.786	0.009	17.078131	ug/L
Rh	103	293058.888	293058.888		ug/L
Ag	107	131953.982	0.450	17.888320	ug/L
Cd	111	31258.029	0.107	17.915503	ug/L
Cd	114	74540.334	0.254	18.387883	ug/L
In	115	236356.322	236356.322		ug/L
Sb	121	111276.172	0.471	19.006534	ug/L
Sb	123	84358.700	0.357	18.809858	ug/L
Tl	203	138274.836	0.426	19.349833	ug/L
Tl	205	325787.138	1.004	19.217888	ug/L
Pb	208	729750.903	2.248	31.798981	ug/L
Bi	209	324403.225	324403.226		ug/L

: 20603

Sample Information

Sample ID: 1001063-MSD2
Autosampler Position: 62
Sample Date/Time: Monday, February 22, 2010 20:11:56
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001063-MSD2.072
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	343124.855	343124.855				ug/L
⌊	Be	9	3696.994	0.011	17.226553	0.364	2.116	ug/L
⌈	V	51	144646.859	0.580	18.696143	0.218	1.168	ug/L
|	Cu	63	77595.710	0.316	19.887421	0.432	2.173	ug/L
|	Cu	65	37134.322	0.151	19.883343	0.133	0.667	ug/L
|	Zn	66	23048.693	0.094	22.566469	0.162	0.717	ug/L
|	Zn	68	17198.522	0.069	22.894387	0.308	1.347	ug/L
|>	Ge	72	244849.414	244849.414				ug/L
|	As	75	22693.425	0.092	17.625238	0.228	1.296	ug/L
|	Se	77	1689.883	0.006	16.175703	0.342	2.113	ug/L
⌊	Se	82	2135.687	0.009	16.267214	0.132	0.813	ug/L
⌈>	Rh	103	293504.123	293504.123				ug/L
|	Ag	107	125446.776	0.427	16.982758	0.576	3.394	ug/L
|	Cd	111	30275.991	0.103	17.327949	0.420	2.425	ug/L
⌊	Cd	114	69536.176	0.237	17.128093	0.218	1.274	ug/L
⌈>	In	115	239498.726	239498.726				ug/L
|	Sb	121	104430.931	0.436	17.602581	0.057	0.322	ug/L
⌊	Sb	123	80591.663	0.336	17.734124	0.170	0.959	ug/L
⌈	Tl	203	127635.928	0.386	17.534249	0.499	2.844	ug/L
|	Tl	205	302568.115	0.916	17.525087	0.664	3.788	ug/L
|	Pb	208	669886.324	2.026	28.654162	0.741	2.585	ug/L
⌊>	Bi	209	330583.811	330583.811				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.775
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.365
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.312
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.357

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.748

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343740.023	343740.023		ug/L
Be	9	3667.973	0.011	17.011527	ug/L
V	51	144587.707	0.580	18.668293	ug/L
Cu	63	78423.422	0.311	19.569108	ug/L
Cu	65	36901.443	0.150	19.742884	ug/L
Zn	66	22677.907	0.093	22.380430	ug/L
Zn	68	16948.256	0.068	22.536383	ug/L
Ge	72	245043.778	245043.778		ug/L
As	75	23008.629	0.094	17.866887	ug/L
Se	77	1672.212	0.006	15.977758	ug/L
Se	82	2156.848	0.009	16.411226	ug/L
Rh	103	294184.982	294184.982		ug/L
Ag	107	122724.529	0.417	16.674422	ug/L
Cd	111	29703.467	0.101	18.980471	ug/L
Cd	114	69288.660	0.236	17.027768	ug/L
In	115	238044.752	238044.752		ug/L
Sb	121	104178.222	0.437	17.666784	ug/L
Sb	123	80184.734	0.337	17.751581	ug/L
Tl	203	127408.470	0.375	17.008877	ug/L
Tl	205	267923.066	0.876	18.785998	ug/L
Pb	208	661252.584	1.957	27.819410	ug/L
Bi	209	340028.519	340028.519		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	338791.770	338791.770		ug/L
Be	9	3740.016	0.011	17.647383	ug/L
V	51	145312.114	0.588	18.827070	ug/L
Cu	63	78921.360	0.324	20.378300	ug/L
Cu	65	36887.370	0.151	19.900584	ug/L
Zn	66	22964.052	0.094	22.644033	ug/L
Zn	68	17182.814	0.070	23.048671	ug/L
Ge	72	243013.121	243013.121		ug/L
As	75	22515.926	0.092	17.619083	ug/L
Se	77	1715.223	0.007	16.570318	ug/L
Se	82	2115.971	0.009	16.239439	ug/L
Rh	103	295136.876	295136.876		ug/L
Ag	107	124299.427	0.421	16.731887	ug/L
Cd	111	30288.182	0.103	17.237386	ug/L
Cd	114	69314.387	0.238	16.977893	ug/L
In	115	241769.502	241769.502		ug/L
Sb	121	105297.496	0.435	17.561787	ug/L
Sb	123	80542.858	0.333	17.556068	ug/L
Tl	203	129908.048	0.398	16.000681	ug/L
Tl	205	306741.329	0.940	17.997581	ug/L
Pb	208	672308.234	2.068	29.232808	ug/L
Bi	209	325078.981	325078.981		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346842.773	346842.773		ug/L
Be	9	3692.981	0.011	17.020748	ug/L
V	51	144070.757	0.574	18.493088	ug/L
Cu	63	77442.319	0.314	19.713866	ug/L
Cu	65	37614.153	0.152	20.008580	ug/L
Zn	66	23314.219	0.094	22.674954	ug/L
Zn	68	17463.497	0.070	23.095208	ug/L
Ge	72	246491.343	246491.343		ug/L
As	75	22554.720	0.091	17.399948	ug/L
Se	77	1682.219	0.006	15.979033	ug/L
Se	82	2134.240	0.009	16.150975	ug/L
Rh	103	291210.512	291210.512		ug/L
Ag	107	129316.371	0.444	17.641998	ug/L
Cd	111	30836.326	0.108	17.785980	ug/L
Cd	114	70008.491	0.240	17.378518	ug/L
In	115	238681.924	238681.924		ug/L
Sb	121	103819.075	0.430	17.559162	ug/L
Sb	123	81047.397	0.339	17.884737	ug/L
Tl	203	126598.263	0.387	17.593409	ug/L
Tl	205	304039.960	0.931	17.811710	ug/L
Pb	208	668100.154	2.044	28.910468	ug/L
Bi	209	326842.931	326842.931		ug/L

: 00605

Sample Information

Sample ID: 0B22027-SRD4
Autosampler Position: 63
Sample Date/Time: Monday, February 22, 2010 20:20:25
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-SRD4.073
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	340639.432	340639.432				ug/L
⌊	Be	9	2.667	0.000	0.005172	0.003	54.049	ug/L
⌈	V	51	2688.907	0.000	0.016046	0.004	25.915	ug/L
|	Cu	63	1148.771	0.004	0.250631	0.007	2.749	ug/L
|	Cu	65	549.693	0.002	0.246725	0.012	4.859	ug/L
|	Zn	66	1000.413	0.004	0.854677	0.031	3.645	ug/L
|	Zn	68	975.076	0.003	0.957987	0.008	0.786	ug/L
|>	Ge	72	247726.416	247726.416				ug/L
|	As	75	47.508	0.000	0.000627	0.031	4969.083	ug/L
|	Se	77	135.336	0.000	0.081269	0.023	28.405	ug/L
⌊	Se	82	-36.807	0.000	0.169203	0.174	102.599	ug/L
⌈>	Rh	103	298956.836	298956.836				ug/L
|	Ag	107	140.336	0.000	0.016617	0.002	9.628	ug/L
|	Cd	111	13.793	0.000	0.007326	0.001	17.694	ug/L
⌊	Cd	114	40.823	0.000	0.007787	0.001	6.759	ug/L
⌈>	In	115	239523.781	239523.781				ug/L
|	Sb	121	422.017	0.001	0.060548	0.003	4.753	ug/L
⌊	Sb	123	322.924	0.001	0.061664	0.008	12.558	ug/L
⌈	Tl	203	37.334	-0.000	-0.000173	0.001	730.933	ug/L
|	Tl	205	86.335	0.000	0.000100	0.000	466.715	ug/L
|	Pb	208	22461.019	0.067	0.954539	0.016	1.676	ug/L
⌊>	Bi	209	325006.521	325006.521				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.089
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.520
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.139
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.367

: 00606

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	98.065

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	343636.200	343636.200		ug/L
Be	9	2.000	0.000	0.001946	ug/L
V	51	2681.391	0.001	0.018798	ug/L
Cu	63	1121.099	0.004	0.245022	ug/L
Cu	65	544.028	0.002	0.245103	ug/L
Zn	66	959.074	0.003	0.819091	ug/L
Zn	68	969.075	0.003	0.956274	ug/L
Ge	72	246523.422	246523.422		ug/L
As	75	1.928	-0.000	-0.034356	ug/L
Se	77	137.003	0.000	0.105107	ug/L
Se	82	-32.435	0.000	0.199588	ug/L
Rh	103	298480.839	298480.839		ug/L
Ag	107	150.005	0.000	0.017927	ug/L
Cd	111	15.043	0.000	0.008046	ug/L
Cd	114	42.716	0.000	0.008280	ug/L
In	115	238180.538	238180.538		ug/L
Sb	121	437.018	0.002	0.083604	ug/L
Sb	123	310.508	0.001	0.068387	ug/L
Tl	203	47.001	0.000	0.001164	ug/L
Tl	205	86.001	0.000	0.000088	ug/L
Pb	206	22309.887	0.067	0.945843	ug/L
Bi	209	325887.171	325887.171		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	337100.488	337100.488		ug/L
Be	9	3.000	0.000	0.006870	ug/L
V	51	2714.822	0.001	0.019802	ug/L
Cu	63	1139.102	0.004	0.248550	ug/L
Cu	65	573.029	0.002	0.259444	ug/L
Zn	66	1022.083	0.004	0.877028	ug/L
Zn	68	980.077	0.003	0.966229	ug/L
Ge	72	247428.847	247428.847		ug/L
As	75	79.467	0.000	0.025350	ug/L
Se	77	153.003	0.000	0.059020	ug/L
Se	82	-15.371	0.000	0.125807	ug/L
Rh	103	301388.010	301388.010		ug/L
Ag	107	128.002	0.000	0.014634	ug/L
Cd	111	15.298	0.000	0.008101	ug/L
Cd	114	38.798	0.000	0.007220	ug/L
In	115	236914.128	236914.128		ug/L
Sb	121	401.015	0.001	0.067756	ug/L
Sb	123	290.505	0.001	0.055307	ug/L
Tl	203	29.000	0.000	0.001361	ug/L
Tl	205	79.001	0.000	-0.000348	ug/L
Pb	208	22312.884	0.067	0.944778	ug/L
Bi	209	326102.003	326102.003		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	341181.809	341181.809		ug/L
Be	9	3.000	0.000	0.006700	ug/L
V	51	2670.709	0.000	0.011578	ug/L
Cu	63	1189.110	0.004	0.258322	ug/L
Cu	65	532.025	0.002	0.239530	ug/L
Zn	66	1020.083	0.004	0.867813	ug/L
Zn	68	976.076	0.003	0.951461	ug/L
Ge	72	249226.878	249226.878		ug/L
As	75	61.130	0.000	0.010888	ug/L
Se	77	136.003	0.000	0.079882	ug/L
Se	82	62.816	-0.000	0.017584	ug/L
Rh	103	297001.858	297001.858		ug/L
Ag	107	143.003	0.000	0.017090	ug/L
Cd	111	11.048	0.000	0.006828	ug/L
Cd	114	40.953	0.000	0.007882	ug/L
In	115	243498.678	243498.678		ug/L
Sb	121	428.017	0.001	0.060388	ug/L
Sb	123	367.781	0.001	0.070298	ug/L
Tl	203	36.000	0.000	0.000332	ug/L
Tl	205	94.002	0.000	0.000580	ug/L
Pb	208	22780.476	0.068	0.972997	ug/L
Bi	209	323220.360	323220.360		ug/L

Sample Information

Sample ID: 1001063-PS2
Autosampler Position: 64
Sample Date/Time: Monday, February 22, 2010 20:23:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001063-PS2.074
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	343260.103	343260.103				ug/L
	Be	9	3979.148	0.012	18.531759	0.233	1.258	ug/L
	V	51	150525.433	0.606	19.508251	0.321	1.646	ug/L
	Cu	63	81886.935	0.334	21.031782	0.576	2.738	ug/L
	Cu	65	38382.906	0.157	20.596604	0.482	2.338	ug/L
	Zn	66	22588.898	0.092	22.155431	0.342	1.543	ug/L
	Zn	68	16775.178	0.068	22.365247	0.102	0.454	ug/L
>	Ge	72	244393.255	244393.255				ug/L
	As	75	25122.378	0.103	19.553619	0.259	1.325	ug/L
	Se	77	1940.617	0.007	18.810023	0.848	4.507	ug/L
	Se	82	2435.059	0.010	18.523125	0.403	2.173	ug/L
>	Rh	103	298370.039	298370.039				ug/L
	Ag	107	139147.671	0.466	18.528069	0.060	0.324	ug/L
	Cd	111	32286.032	0.108	18.175820	0.106	0.584	ug/L
	Cd	114	75263.727	0.252	18.235243	0.089	0.490	ug/L
>	In	115	234555.918	234555.918				ug/L
	Sb	121	106723.633	0.455	18.368158	0.317	1.724	ug/L
	Sb	123	81752.163	0.348	18.367679	0.130	0.707	ug/L
	Tl	203	136984.421	0.414	18.786736	0.404	2.150	ug/L
	Tl	205	324895.910	0.981	18.780239	0.224	1.194	ug/L
	Pb	208	547525.228	1.652	23.375778	0.496	2.121	ug/L
>	Bi	209	331115.424	331115.424				ug/L

QC Calculated Values

	Analyte	Mass	*Int Std % Recovery*
>	Li	6.015	94.812
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.181
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.942
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	96.327

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.909

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	343856.371	343856.371		ug/L
	Be	9	3928.119	0.011	18.272689	ug/L
	V	51	149812.883	0.584	18.139173	ug/L
	Cu	63	81604.886	0.329	20.883884	ug/L
	Cu	65	38100.726	0.153	20.144324	ug/L
	Zn	66	27731.339	0.091	21.972000	ug/L
	Zn	68	16941.236	0.067	22.258062	ug/L
>	Ge	72	247876.457	247876.457		ug/L
	As	75	25312.423	0.102	18.414583	ug/L
	Se	77	1947.286	0.007	18.582256	ug/L
	Se	82	2429.817	0.010	18.220667	ug/L
>	Rh	103	297040.413	297040.413		ug/L
	Ag	107	138997.771	0.468	18.580715	ug/L
	Cd	111	32300.714	0.109	18.284975	ug/L
	Cd	114	74819.089	0.252	18.233370	ug/L
>	In	115	234048.236	234048.236		ug/L
	Sb	121	104388.287	0.446	18.005188	ug/L
	Sb	123	81183.051	0.347	18.279886	ug/L
	Tl	203	137298.367	0.403	18.321088	ug/L
	Tl	205	326281.151	0.958	18.521318	ug/L
	Pb	208	550858.572	1.618	22.883471	ug/L
>	Bi	209	340189.841	340189.841		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	343736.878	343736.878		ug/L
	Be	9	4028.178	0.012	18.724774	ug/L
	V	51	151608.382	0.610	18.661868	ug/L
	Cu	63	80701.129	0.330	20.738140	ug/L
	Cu	65	38284.800	0.156	20.342975	ug/L
	Zn	66	22873.114	0.084	22.540849	ug/L
	Zn	68	16833.982	0.068	22.459804	ug/L
>	Ge	72	244225.447	244225.447		ug/L
	As	75	24902.708	0.102	18.393551	ug/L
	Se	77	1871.284	0.007	18.088468	ug/L
	Se	82	2413.076	0.010	18.398631	ug/L
>	Rh	103	300925.088	300925.088		ug/L
	Ag	107	139910.339	0.468	18.471191	ug/L
	Cd	111	32383.159	0.108	18.058458	ug/L
	Cd	114	76262.416	0.253	18.325428	ug/L
>	In	115	233682.702	233682.702		ug/L
	Sb	121	107589.444	0.480	18.586482	ug/L
	Sb	123	81174.959	0.347	18.306546	ug/L
	Tl	203	136477.846	0.419	19.041890	ug/L
	Tl	205	321436.486	0.968	18.905398	ug/L
	Pb	208	549868.453	1.668	23.874918	ug/L
>	Bi	209	325360.329	325360.329		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	342384.181	342384.181		ug/L
	Be	9	3983.150	0.012	18.597816	ug/L
	V	51	150056.038	0.612	18.723711	ug/L
	Cu	63	83304.780	0.348	21.696511	ug/L
	Cu	65	38783.382	0.161	21.102918	ug/L
	Zn	66	22062.240	0.091	21.944442	ug/L
	Zn	68	16550.317	0.068	22.377784	ug/L
>	Ge	72	240877.861	240877.861		ug/L
	As	75	25132.005	0.104	19.852623	ug/L
	Se	77	2003.301	0.008	19.748358	ug/L
	Se	82	2462.184	0.010	18.980088	ug/L
>	Rh	103	297144.617	297144.617		ug/L
	Ag	107	138534.804	0.466	18.522302	ug/L
	Cd	111	32204.223	0.108	18.204025	ug/L
	Cd	114	74588.696	0.251	18.146833	ug/L
>	In	115	235935.817	235935.817		ug/L
	Sb	121	106183.158	0.358	18.510812	ug/L
	Sb	123	82998.478	0.351	18.516808	ug/L
	Tl	203	137177.059	0.418	18.987219	ug/L
	Tl	205	323980.088	0.968	18.914000	ug/L
	Pb	208	542048.658	1.652	23.368948	ug/L
>	Bi	209	327796.006	327796.006		ug/L

Sample ID: 1001063-PS2
Report Date/Time: Monday, February 22, 2010 20:25:42

Sample Information

Sample ID: 1002038-15
Autosampler Position: 65
Sample Date/Time: Monday, February 22, 2010 20:32:24
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-15.075
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	316338.584	316338.584				ug/L
	Be	9	1.667	0.000	0.001069	0.006	547.347	ug/L
	V	51	3859.384	0.005	0.174326	0.015	8.321	ug/L
	Cu	63	535.692	0.002	0.096704	0.008	8.331	ug/L
	Cu	65	239.340	0.001	0.083603	0.007	8.085	ug/L
	Zn	66	999.080	0.004	0.865211	0.017	2.018	ug/L
	Zn	68	910.067	0.003	0.885933	0.016	1.832	ug/L
>	Ge	72	244755.185	244755.185				ug/L
	As	75	100.458	0.000	0.042398	0.024	57.256	ug/L
	Se	77	145.336	0.000	0.201526	0.035	17.348	ug/L
	Se	82	-36.692	0.000	0.166086	0.068	41.199	ug/L
>	Rh	103	302425.266	302425.266				ug/L
	Ag	107	88.668	0.000	0.009605	0.001	10.497	ug/L
	Cd	111	5.582	0.000	0.002688	0.002	79.567	ug/L
	Cd	114	8.350	-0.000	-0.000090	0.001	657.650	ug/L
>	In	115	239101.660	239101.660				ug/L
	Sb	121	341.678	0.001	0.047086	0.004	9.098	ug/L
	Sb	123	276.255	0.001	0.051560	0.004	7.445	ug/L
	Tl	203	30.000	-0.000	-0.001288	0.001	54.899	ug/L
	Tl	205	67.334	-0.000	-0.001105	0.000	31.041	ug/L
	Pb	208	710.354	0.001	0.007144	0.002	33.038	ug/L
>	Bi	209	332026.619	332026.619				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	87.376
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.327
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.300
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.194

Sample ID: 1002038-15
Report Date/Time: Monday, February 22, 2010 20:34:12

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.184

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	312682.832	312682.832		ug/L
Be	9	1.000	0.000	-0.002246	ug/L
V	51	3863.772	0.005	0.174813	ug/L
Cu	63	520.024	0.001	0.091986	ug/L
Cu	65	255.007	0.001	0.081333	ug/L
Zn	66	1023.083	0.004	0.883738	ug/L
Zn	68	905.086	0.003	0.872692	ug/L
Ge	72	246013.273	246013.273		ug/L
As	75	89.744	0.000	0.033662	ug/L
Se	77	144.003	0.000	0.180077	ug/L
Se	82	-28.356	0.000	0.243930	ug/L
Rh	103	303879.328	303879.328		ug/L
Ag	107	98.002	0.000	0.010612	ug/L
Cd	111	1.963	0.000	0.000677	ug/L
Cd	114	5.953	-0.000	-0.000671	ug/L
In	115	241022.834	241022.834		ug/L
Sb	121	373.013	0.001	0.051897	ug/L
Sb	123	294.380	0.001	0.056053	ug/L
Tl	203	26.000	0.000	-0.001588	ug/L
Tl	205	73.001	-0.000	-0.000808	ug/L
Pb	208	676.020	0.000	0.005458	ug/L
Bi	209	334452.227	334452.227		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	315846.154	315846.154		ug/L
Be	9	3.000	0.000	0.007828	ug/L
V	51	3863.256	0.006	0.188529	ug/L
Cu	63	516.024	0.001	0.082118	ug/L
Cu	65	233.006	0.001	0.080069	ug/L
Zn	66	983.079	0.004	0.862838	ug/L
Zn	68	903.086	0.003	0.880804	ug/L
Ge	72	243884.072	243884.072		ug/L
As	75	135.262	0.000	0.059833	ug/L
Se	77	143.003	0.000	0.182634	ug/L
Se	82	-43.398	0.000	0.113442	ug/L
Rh	103	302384.881	302384.881		ug/L
Ag	107	90.001	0.000	0.009788	ug/L
Cd	111	5.188	0.000	0.002452	ug/L
Cd	114	8.299	-0.000	-0.000103	ug/L
In	115	238236.384	238236.384		ug/L
Sb	121	332.011	0.001	0.045675	ug/L
Sb	123	256.630	0.001	0.047451	ug/L
Tl	203	36.000	0.000	0.000481	ug/L
Tl	205	61.001	0.000	0.001480	ug/L
Pb	208	698.016	0.000	0.006133	ug/L
Bi	209	333024.786	333024.786		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	320478.766	320478.766		ug/L
Be	9	1.000	-0.000	-0.002372	ug/L
V	51	3741.128	0.005	0.156634	ug/L
Cu	63	571.029	0.002	0.108007	ug/L
Cu	65	230.008	0.001	0.078807	ug/L
Zn	66	981.077	0.004	0.849068	ug/L
Zn	68	922.089	0.003	0.904104	ug/L
Ge	72	244368.209	244368.209		ug/L
As	75	76.358	0.000	0.023700	ug/L
Se	77	149.003	0.000	0.241867	ug/L
Se	82	-40.328	0.000	0.138886	ug/L
Rh	103	301011.623	301011.623		ug/L
Ag	107	80.001	0.000	0.008618	ug/L
Cd	111	9.594	0.000	0.004634	ug/L
Cd	114	10.798	0.000	0.000508	ug/L
In	115	238043.781	238043.781		ug/L
Sb	121	320.010	0.001	0.043685	ug/L
Sb	123	277.756	0.001	0.052177	ug/L
Tl	203	26.000	0.000	-0.001798	ug/L
Tl	205	68.001	0.000	0.001025	ug/L
Pb	208	765.024	0.001	0.009842	ug/L
Bi	209	329802.848	329802.848		ug/L

: 00611

Sample Information

Sample ID: 1002038-16
Autosampler Position: 66
Sample Date/Time: Monday, February 22, 2010 20:35:54
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-16.076
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	337482.780	337482.780				ug/L
[	Be	9	3.333	0.000	0.008467	0.010	115.713	ug/L
[	V	51	7179.116	0.019	0.604846	0.008	1.253	ug/L
|	Cu	63	1221.450	0.004	0.270829	0.013	4.809	ug/L
|	Cu	65	577.696	0.002	0.263252	0.012	4.559	ug/L
|	Zn	66	1176.776	0.004	1.032021	0.076	7.389	ug/L
|	Zn	68	1255.456	0.004	1.341355	0.006	0.415	ug/L
|>	Ge	72	246409.088	246409.088				ug/L
|	As	75	1412.251	0.006	1.056277	0.054	5.121	ug/L
|	Se	77	145.670	0.000	0.194886	0.079	40.530	ug/L
[	Se	82	-45.130	0.000	0.105825	0.163	154.155	ug/L
[>	Rh	103	298966.159	298966.159				ug/L
|	Ag	107	106.335	0.000	0.012093	0.001	6.089	ug/L
|	Cd	111	13.434	0.000	0.007126	0.001	16.863	ug/L
[	Cd	114	30.541	0.000	0.005293	0.001	24.283	ug/L
[>	In	115	243358.256	243358.256				ug/L
|	Sb	121	370.680	0.001	0.050922	0.001	2.168	ug/L
[	Sb	123	316.966	0.001	0.059305	0.003	5.098	ug/L
[	Tl	203	51.001	0.000	0.001702	0.001	48.850	ug/L
|	Tl	205	110.335	0.000	0.001474	0.000	31.982	ug/L
|	Pb	208	23583.373	0.071	0.997581	0.034	3.392	ug/L
[>	Bi	209	327039.350	327039.350				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	93.217
[	Be	9.012	
[	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.991
|	As	74.922	
|	Se	76.920	
[	Se	81.917	
[>	Rh	102.905	100.142
|	Ag	106.905	
|	Cd	110.904	
[	Cd	113.904	
[>	In	114.904	99.942

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.679

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	324015.191	324015.191		ug/L
Be	9	4.000	0.000	0.012381	ug/L
V	51	7268.310	0.019	0.613542	ug/L
Cu	63	1223.117	0.004	0.270208	ug/L
Cu	65	561.029	0.002	0.263997	ug/L
Zn	66	1214.118	0.004	1.086227	ug/L
Zn	68	1261.124	0.004	1.343582	ug/L
Ge	72	247184.703	247184.703		ug/L
As	75	1338.089	0.005	0.995652	ug/L
Se	77	154.003	0.000	0.275498	ug/L
Se	82	-67.863	0.000	-0.058408	ug/L
Rh	103	301142.981	301142.981		ug/L
Ag	107	102.002	0.000	0.011417	ug/L
Cd	111	14.186	0.000	0.007482	ug/L
Cd	114	36.382	0.000	0.008842	ug/L
In	115	247779.494	247779.494		ug/L
Sb	121	370.013	0.001	0.049703	ug/L
Sb	123	329.758	0.001	0.080825	ug/L
Tl	203	48.001	0.000	0.001081	ug/L
Tl	205	112.002	0.000	0.001358	ug/L
Pb	208	23471.334	0.068	0.959472	ug/L
Bi	209	337903.117	337903.117		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	341730.983	341730.983		ug/L
Be	9	1.000	0.000	0.002682	ug/L
V	51	7073.086	0.018	0.599681	ug/L
Cu	63	1262.124	0.005	0.284153	ug/L
Cu	65	594.031	0.002	0.274858	ug/L
Zn	66	1077.092	0.004	0.944797	ug/L
Zn	68	1239.120	0.004	1.335010	ug/L
Ge	72	244126.138	244126.138		ug/L
As	75	1421.392	0.006	1.073598	ug/L
Se	77	144.003	0.000	0.191534	ug/L
Se	82	-44.436	0.000	0.108037	ug/L
Rh	103	297464.531	297464.531		ug/L
Ag	107	105.002	0.000	0.011985	ug/L
Cd	111	10.980	0.000	0.005787	ug/L
Cd	114	25.388	0.000	0.004083	ug/L
In	115	242403.632	242403.632		ug/L
Sb	121	371.013	0.001	0.051207	ug/L
Sb	123	324.833	0.001	0.081267	ug/L
Tl	203	48.001	0.000	0.001403	ug/L
Tl	205	117.002	0.000	0.001993	ug/L
Pb	208	23418.187	0.071	1.009180	ug/L
Bi	209	320804.339	320804.339		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346702.187	346702.187		ug/L
Be	9	5.000	0.000	0.015702	ug/L
V	51	7186.942	0.019	0.601348	ug/L
Cu	63	1179.109	0.004	0.258128	ug/L
Cu	65	556.027	0.002	0.250894	ug/L
Zn	66	1239.120	0.006	1.088038	ug/L
Zn	68	1286.125	0.004	1.345374	ug/L
Ge	72	247916.426	247916.426		ug/L
As	75	1477.273	0.006	1.099584	ug/L
Se	77	139.003	0.000	0.117628	ug/L
Se	82	-23.293	0.000	0.267841	ug/L
Rh	103	298290.966	298290.966		ug/L
Ag	107	112.002	0.000	0.012878	ug/L
Cd	111	15.146	0.000	0.008110	ug/L
Cd	114	29.871	0.000	0.005153	ug/L
In	115	239891.642	239891.642		ug/L
Sb	121	371.013	0.001	0.051856	ug/L
Sb	123	296.508	0.001	0.056824	ug/L
Tl	203	57.001	0.000	0.002641	ug/L
Tl	205	102.002	0.000	0.001071	ug/L
Pb	208	23860.589	0.072	1.024092	ug/L
Bi	209	322310.594	322310.594		ug/L

: 00613

Sample Information

Sample ID: 1002038-17
Autosampler Position: 67
Sample Date/Time: Monday, February 22, 2010 20:39:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-17.077
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	345950.768	345950.768				ug/L
	Be	9	4.667	0.000	0.014289	0.010	69.247	ug/L
	V	51	7242.608	0.019	0.614312	0.001	0.161	ug/L
	Cu	63	1090.428	0.004	0.237614	0.009	3.788	ug/L
	Cu	65	548.360	0.002	0.247963	0.012	5.013	ug/L
	Zn	66	1600.195	0.006	1.448600	0.043	2.935	ug/L
	Zn	68	1445.494	0.005	1.599026	0.026	1.651	ug/L
>	Ge	72	246109.383	246109.383				ug/L
	As	75	1727.447	0.007	1.301632	0.003	0.263	ug/L
	Se	77	120.669	-0.000	-0.060250	0.059	98.258	ug/L
	Se	82	-67.002	-0.000	-0.054435	0.212	389.004	ug/L
>	Rh	103	297804.972	297804.972				ug/L
	Ag	107	68.334	0.000	0.007079	0.001	7.478	ug/L
	Cd	111	12.883	0.000	0.006835	0.003	44.392	ug/L
	Cd	114	20.880	0.000	0.002980	0.001	45.422	ug/L
>	In	115	240327.204	240327.204				ug/L
	Sb	121	302.343	0.001	0.040209	0.002	5.636	ug/L
	Sb	123	226.544	0.001	0.040366	0.001	3.570	ug/L
	Tl	203	52.001	0.000	0.001866	0.001	67.223	ug/L
	Tl	205	114.002	0.000	0.001711	0.001	39.649	ug/L
	Pb	208	25144.828	0.075	1.067697	0.028	2.668	ug/L
>	Bi	209	326210.242	326210.242				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.556
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.871
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.753
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.697

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.429

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	342212.208	342212.208		ug/L
Be	9	7.000	0.000	0.025361	ug/L
V	51	7263.514	0.019	0.614138	ug/L
Cu	63	1111.088	0.004	0.242077	ug/L
Cu	65	528.095	0.002	0.236182	ug/L
Zn	66	1633.203	0.006	1.475853	ug/L
Zn	68	1458.183	0.005	1.609918	ug/L
Ge	72	245886.981	245886.981		ug/L
As	75	1726.429	0.007	1.298270	ug/L
Se	77	117.002	-0.000	-0.102002	ug/L
Se	82	-75.757	0.000	0.116346	ug/L
Rh	103	294884.775	294884.775		ug/L
Ag	107	72.001	0.000	0.007881	ug/L
Cd	111	7.074	0.000	0.003810	ug/L
Cd	114	16.634	0.000	0.001981	ug/L
In	115	243191.688	243191.688		ug/L
Sb	121	297.009	0.001	0.038716	ug/L
Sb	123	221.628	0.001	0.038706	ug/L
Tl	203	46.001	0.000	0.000856	ug/L
Tl	205	110.002	0.000	0.001309	ug/L
Pb	208	25033.213	0.073	1.035708	ug/L
Bi	209	334440.708	334440.708		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	344064.842	344064.842		ug/L
Be	9	4.000	0.000	0.011231	ug/L
V	51	7301.503	0.019	0.615376	ug/L
Cu	63	1121.088	0.004	0.243510	ug/L
Cu	65	550.027	0.002	0.246781	ug/L
Zn	66	1561.186	0.006	1.399808	ug/L
Zn	68	1433.158	0.006	1.568916	ug/L
Ge	72	247833.824	247833.824		ug/L
As	75	1739.430	0.007	1.301517	ug/L
Se	77	119.002	-0.000	-0.088248	ug/L
Se	82	90.829	-0.000	-0.229728	ug/L
Rh	103	298006.395	298006.395		ug/L
Ag	107	65.001	0.000	0.006628	ug/L
Cd	111	17.838	0.000	0.009834	ug/L
Cd	114	27.245	0.000	0.004522	ug/L
In	115	238881.628	238881.628		ug/L
Sb	121	318.010	0.001	0.042816	ug/L
Sb	123	229.377	0.001	0.041260	ug/L
Tl	203	49.001	0.000	0.001471	ug/L
Tl	205	107.002	0.000	0.001329	ug/L
Pb	208	25223.508	0.076	1.077053	ug/L
Bi	209	324320.596	324320.596		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	351585.484	351585.484		ug/L
Be	9	3.000	0.000	0.008284	ug/L
V	51	7162.808	0.019	0.613423	ug/L
Cu	63	1039.088	0.004	0.227264	ug/L
Cu	65	567.029	0.002	0.260856	ug/L
Zn	66	1508.187	0.006	1.470338	ug/L
Zn	68	1448.161	0.006	1.616248	ug/L
Ge	72	243627.534	243627.534		ug/L
As	75	1714.492	0.007	1.305108	ug/L
Se	77	126.002	0.000	0.007501	ug/L
Se	82	34.419	0.000	0.181987	ug/L
Rh	103	300524.747	300524.747		ug/L
Ag	107	68.001	0.000	0.008980	ug/L
Cd	111	13.740	0.000	0.007260	ug/L
Cd	114	18.782	0.000	0.002426	ug/L
In	115	238898.097	238898.097		ug/L
Sb	121	294.008	0.001	0.039095	ug/L
Sb	123	228.628	0.001	0.041114	ug/L
Tl	203	61.001	0.000	0.002270	ug/L
Tl	205	125.002	0.000	0.002484	ug/L
Pb	208	25177.674	0.077	1.090331	ug/L
Bi	209	319868.425	319868.425		ug/L

00615

Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 22, 2010 20:42:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.078
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	347123.486	347123.486				ug/L
⌊	Be	9	7971.193	0.023	36.720340	0.812	2.211	ug/L
⌈	V	51	284794.544	1.174	37.823904	0.910	2.406	ug/L
|	Cu	63	150720.532	0.626	39.378877	0.459	1.164	ug/L
|	Cu	65	72016.286	0.299	39.317629	0.426	1.083	ug/L
|	Zn	66	39000.573	0.162	38.976619	0.420	1.077	ug/L
|	Zn	68	28550.564	0.118	38.945762	0.189	0.485	ug/L
|>	Ge	72	240414.113	240414.113				ug/L
|	As	75	49889.322	0.207	39.506200	0.128	0.324	ug/L
|	Se	77	3818.060	0.015	38.922307	2.357	6.057	ug/L
⌊	Se	82	4945.415	0.021	37.771468	0.911	2.411	ug/L
⌈>	Rh	103	295095.512	295095.512				ug/L
|	Ag	107	286208.713	0.970	38.540477	0.713	1.849	ug/L
|	Cd	111	65193.216	0.221	37.113479	0.654	1.763	ug/L
⌊	Cd	114	154625.317	0.524	37.887818	0.679	1.792	ug/L
⌈>	In	115	235680.259	235680.259				ug/L
|	Sb	121	215250.975	0.913	36.878775	0.987	2.677	ug/L
⌊	Sb	123	163193.238	0.692	36.499328	1.062	2.909	ug/L
⌈	Tl	203	268746.098	0.836	37.978617	0.470	1.237	ug/L
|	Tl	205	645037.869	2.008	38.426460	0.158	0.411	ug/L
|	Pb	208	868246.885	2.701	38.208306	0.271	0.708	ug/L
⌊>	Bi	209	321271.204	321271.204				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.880
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.583
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.845
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	96.789

00616

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

96.938

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	348471.247	348471.247		ug/L
Be	9	7814.360	0.022	35.856849	ug/L
V	51	262270.829	1.202	38.717087	ug/L
Cu	63	152756.652	0.633	39.800936	ug/L
Cu	65	72550.308	0.301	39.498024	ug/L
Zn	66	36945.271	0.161	38.811935	ug/L
Zn	68	26562.356	0.118	38.880487	ug/L
Ge	72	241077.129	241077.129		ug/L
As	75	49884.688	0.207	39.393290	ug/L
Se	77	3770.032	0.016	38.299875	ug/L
Se	82	4884.388	0.020	37.055078	ug/L
Rh	103	298682.836	298682.836		ug/L
Ag	107	284818.162	0.954	37.899880	ug/L
Cd	111	64770.428	0.217	36.424636	ug/L
Cd	114	154175.852	0.516	37.318282	ug/L
In	115	233986.089	233986.089		ug/L
Sb	121	207558.408	0.867	35.620024	ug/L
Sb	123	157805.488	0.673	35.508978	ug/L
Tl	203	268378.441	0.630	37.692307	ug/L
Tl	205	650063.880	2.011	38.488702	ug/L
Pb	208	868884.718	2.685	37.989089	ug/L
Bi	209	323268.488	323268.488		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	348384.148	348384.148		ug/L
Be	9	8026.588	0.023	36.838886	ug/L
V	51	279270.672	1.146	38.898029	ug/L
Cu	63	149586.790	0.619	38.980947	ug/L
Cu	65	71482.614	0.296	38.831358	ug/L
Zn	66	36862.932	0.160	38.664104	ug/L
Zn	68	26585.370	0.117	38.795331	ug/L
Ge	72	241608.648	241608.648		ug/L
As	75	50104.333	0.207	39.479788	ug/L
Se	77	3648.988	0.015	36.940734	ug/L
Se	82	4929.458	0.021	37.463248	ug/L
Rh	103	291150.123	291150.123		ug/L
Ag	107	286051.188	0.958	39.308087	ug/L
Cd	111	65384.167	0.225	37.728788	ug/L
Cd	114	155608.900	0.534	36.839211	ug/L
In	115	237819.150	237819.150		ug/L
Sb	121	218152.374	0.817	37.042248	ug/L
Sb	123	164100.757	0.590	36.373471	ug/L
Tl	203	264773.667	0.831	37.722870	ug/L
Tl	205	641816.344	2.014	38.546150	ug/L
Pb	208	868083.711	2.722	38.510717	ug/L
Bi	209	318671.617	318671.617		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	344515.082	344515.082		ug/L
Be	9	8072.640	0.023	37.488477	ug/L
V	51	282842.331	1.175	37.856625	ug/L
Cu	63	149808.153	0.627	39.444750	ug/L
Cu	65	72018.936	0.302	39.622502	ug/L
Zn	66	39173.816	0.164	39.453829	ug/L
Zn	68	28483.966	0.118	39.158477	ug/L
Ge	72	238566.663	238566.663		ug/L
As	75	49678.936	0.208	39.645541	ug/L
Se	77	4039.180	0.016	41.529485	ug/L
Se	82	5042.398	0.021	38.798084	ug/L
Rh	103	295453.577	295453.577		ug/L
Ag	107	285656.810	0.967	38.413488	ug/L
Cd	111	65415.051	0.221	37.189129	ug/L
Cd	114	154083.186	0.522	37.705981	ug/L
In	115	235236.559	235236.559		ug/L
Sb	121	220045.142	0.936	37.774053	ug/L
Sb	123	167873.468	0.713	37.618538	ug/L
Tl	203	273089.198	0.848	38.520678	ug/L
Tl	205	643243.572	1.998	38.247528	ug/L
Pb	208	868012.230	2.696	38.125131	ug/L
Bi	209	321873.528	321873.528		ug/L

: 00617

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 20:51:20
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.079
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	339576.433	339576.433				ug/L
⌊	Be	9	1.667	0.000	0.000490	0.003	557.112	ug/L
⌈	V	51	2319.124	-0.001	-0.023895	0.012	51.423	ug/L
|	Cu	63	182.337	0.000	0.006597	0.003	48.164	ug/L
|	Cu	65	96.668	0.000	0.007800	0.003	34.932	ug/L
|	Zn	66	137.336	0.000	0.018727	0.020	104.619	ug/L
|	Zn	68	266.674	0.000	0.021627	0.031	144.289	ug/L
|>	Ge	72	241210.289	241210.289				ug/L
|	As	75	-0.524	-0.000	-0.036274	0.020	55.355	ug/L
|	Se	77	118.002	-0.000	-0.063357	0.190	299.375	ug/L
⌊	Se	82	-45.865	0.000	0.094091	0.195	207.324	ug/L
⌈>	Rh	103	295596.116	295596.116				ug/L
|	Ag	107	62.334	0.000	0.006337	0.001	15.375	ug/L
|	Cd	111	6.348	0.000	0.003186	0.000	14.941	ug/L
⌊	Cd	114	9.033	0.000	0.000121	0.000	133.887	ug/L
⌈>	In	115	235698.551	235698.551				ug/L
|	Sb	121	565.695	0.002	0.086329	0.007	7.721	ug/L
⌊	Sb	123	443.473	0.002	0.089859	0.009	9.578	ug/L
⌈	Tl	203	31.334	-0.000	-0.000953	0.001	109.343	ug/L
|	Tl	205	78.668	-0.000	-0.000286	0.000	77.172	ug/L
|	Pb	208	539.347	0.000	0.000674	0.001	132.456	ug/L
⌊>	Bi	209	320429.909	320429.909				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.795
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.903
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.013
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	96.796

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

96.685

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mean Intensity	Net Intensity	Concentration	Report Unit
Li	6	340150.108	340150.108		ug/L
Be	9	1.000	0.000	-0.002681	ug/L
V	51	2417.298	0.000	-0.010026	ug/L
Cu	63	185.004	0.000	0.007418	ug/L
Cu	65	101.002	0.000	0.010291	ug/L
Zn	66	115.002	0.000	-0.003268	ug/L
Zn	68	258.007	0.000	0.010471	ug/L
Ge	72	240638.741	240638.741		ug/L
As	75	-29.280	0.000	-0.059018	ug/L
Se	77	98.002	0.000	-0.270881	ug/L
Se	82	44.498	0.000	0.102779	ug/L
Rh	103	295581.719	295581.719		ug/L
Ag	107	84.001	0.000	0.006218	ug/L
Cd	111	5.534	0.000	0.002725	ug/L
Cd	114	9.097	0.000	0.000138	ug/L
In	115	234850.788	234850.788		ug/L
Sb	121	597.031	0.002	0.092070	ug/L
Sb	123	474.643	0.002	0.097217	ug/L
Tl	203	40.001	0.000	0.000239	ug/L
Tl	205	75.001	0.000	-0.000538	ug/L
Pb	208	562.014	0.000	0.001080	ug/L
Bi	209	322743.503	322743.503		ug/L

Repeat 2

Analyte	Mass	Mean Intensity	Net Intensity	Concentration	Report Unit
Li	6	339585.152	339585.152		ug/L
Be	9	2.000	0.000	0.002057	ug/L
V	51	2236.741	-0.001	0.033418	ug/L
Cu	63	188.004	0.000	0.003080	ug/L
Cu	65	97.002	0.000	0.008234	ug/L
Zn	66	143.003	0.000	0.025143	ug/L
Zn	68	291.009	0.000	0.056878	ug/L
Ge	72	240018.343	240018.343		ug/L
As	75	18.701	0.000	0.021002	ug/L
Se	77	133.003	0.000	0.101048	ug/L
Se	82	20.324	0.000	0.284878	ug/L
Rh	103	282278.774	282278.774		ug/L
Ag	107	65.001	0.000	0.006798	ug/L
Cd	111	6.223	0.000	0.003157	ug/L
Cd	114	8.242	0.000	0.000049	ug/L
In	115	237000.649	237000.649		ug/L
Sb	121	578.029	0.002	0.087800	ug/L
Sb	123	455.390	0.002	0.091987	ug/L
Tl	203	28.000	0.000	-0.001404	ug/L
Tl	205	81.001	0.000	-0.000127	ug/L
Pb	208	514.012	0.000	-0.000347	ug/L
Bi	209	319079.228	319079.228		ug/L

Repeat 3

Analyte	Mass	Mean Intensity	Net Intensity	Concentration	Report Unit
Li	6	338994.038	338994.038		ug/L
Be	9	2.000	0.000	0.002073	ug/L
V	51	2303.331	0.001	0.026241	ug/L
Cu	63	194.005	0.000	0.006283	ug/L
Cu	65	92.002	0.000	0.004684	ug/L
Zn	66	154.003	0.000	0.034308	ug/L
Zn	68	251.007	0.000	0.002467	ug/L
Ge	72	242972.783	242972.783		ug/L
As	75	8.986	0.000	-0.028801	ug/L
Se	77	123.002	0.000	0.020236	ug/L
Se	82	-72.773	0.000	0.105181	ug/L
Rh	103	298929.856	298929.856		ug/L
Ag	107	68.001	0.000	0.006988	ug/L
Cd	111	7.298	0.000	0.003676	ug/L
Cd	114	9.760	0.000	0.000273	ug/L
In	115	235244.236	235244.236		ug/L
Sb	121	522.024	0.002	0.079019	ug/L
Sb	123	400.386	0.002	0.080386	ug/L
Tl	203	26.000	0.000	0.001684	ug/L
Tl	205	80.001	0.000	-0.000183	ug/L
Pb	208	552.014	0.000	0.001308	ug/L
Bi	209	319468.999	319468.999		ug/L

00619

Sample Information

Sample ID: 1002038-18
Autosampler Position: 68
Sample Date/Time: Monday, February 22, 2010 20:55:19
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-18.080
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	340520.557	340520.557				ug/L
⌊	Be	9	4.333	0.000	0.013004	0.010	75.546	ug/L
⌈	V	51	7107.914	0.019	0.608204	0.016	2.621	ug/L
|	Cu	63	873.062	0.003	0.184871	0.004	2.111	ug/L
|	Cu	65	399.349	0.001	0.171020	0.010	5.717	ug/L
|	Zn	66	1157.105	0.004	1.028627	0.022	2.146	ug/L
|	Zn	68	1136.768	0.004	1.202845	0.029	2.381	ug/L
|>	Ge	72	243119.166	243119.166				ug/L
|	As	75	533.519	0.002	0.382429	0.031	8.054	ug/L
|	Se	77	126.002	0.000	0.010503	0.051	488.762	ug/L
⌊	Se	82	-42.133	0.000	0.123808	0.011	8.498	ug/L
⌈>	Rh	103	301579.295	301579.295				ug/L
|	Ag	107	49.667	0.000	0.004506	0.001	12.411	ug/L
|	Cd	111	8.664	0.000	0.004369	0.005	120.770	ug/L
⌊	Cd	114	10.017	0.000	0.000309	0.001	214.798	ug/L
⌈>	In	115	237677.187	237677.187				ug/L
|	Sb	121	510.690	0.002	0.076130	0.006	7.405	ug/L
⌊	Sb	123	418.765	0.002	0.083523	0.004	4.880	ug/L
⌈	Tl	203	46.334	0.000	0.001001	0.001	144.464	ug/L
|	Tl	205	101.668	0.000	0.000903	0.001	117.349	ug/L
|	Pb	208	3792.765	0.010	0.139853	0.008	5.395	ug/L
⌊>	Bi	209	329437.995	329437.995				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.056
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.669
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	101.017
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.609

: 00620

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.403

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	338056.920	338056.920		ug/L
Be	9	0.000	0.000	0.020838	ug/L
V	51	7064.389	0.018	0.807301	ug/L
Cr	53	852.058	0.000	0.180807	ug/L
Cu	65	414.018	0.001	0.180078	ug/L
Zn	66	1172.108	0.004	1.049611	ug/L
Zn	68	1147.104	0.004	1.224883	ug/L
Ge	72	241843.388	241843.388		ug/L
As	75	574.884	0.002	0.417111	ug/L
Se	77	126.002	0.000	0.017162	ug/L
Se	82	-43.474	0.000	0.112129	ug/L
Rh	103	304812.878	304812.878		ug/L
Ag	107	48.001	0.000	0.004216	ug/L
Cd	111	18.754	0.000	0.009816	ug/L
Cd	114	11.963	0.000	0.000748	ug/L
In	115	239080.136	239080.136		ug/L
Sb	121	538.026	0.002	0.080284	ug/L
Sb	123	438.788	0.002	0.085878	ug/L
Tl	203	49.001	0.000	0.001170	ug/L
Tl	205	126.002	0.000	0.002124	ug/L
Pb	208	3727.418	0.009	0.132308	ug/L
Bi	209	339210.984	339210.984		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	341060.002	341060.002		ug/L
Be	9	2.000	0.000	0.002016	ug/L
V	51	7060.710	0.018	0.582737	ug/L
Cr	53	868.064	0.003	0.185744	ug/L
Cu	65	384.014	0.001	0.160653	ug/L
Zn	66	1145.103	0.004	1.005628	ug/L
Zn	68	1124.100	0.004	1.170500	ug/L
Ge	72	245617.845	245617.845		ug/L
As	75	507.810	0.002	0.358267	ug/L
Se	77	122.002	0.000	0.043837	ug/L
Se	82	41.372	0.000	0.132548	ug/L
Rh	103	301580.902	301580.902		ug/L
Ag	107	47.001	0.000	0.004152	ug/L
Cd	111	7.536	0.000	0.003778	ug/L
Cd	114	11.362	0.000	0.000636	ug/L
In	115	239815.854	239815.854		ug/L
Sb	121	526.025	0.002	0.078398	ug/L
Sb	123	426.785	0.002	0.084582	ug/L
Tl	203	56.001	0.000	0.002354	ug/L
Tl	205	88.001	0.000	0.000736	ug/L
Pb	208	3688.449	0.010	0.147398	ug/L
Bi	209	322563.187	322563.187		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	341444.748	341444.748		ug/L
Be	9	5.000	0.000	0.018087	ug/L
V	51	7198.642	0.019	0.624575	ug/L
Cr	53	882.080	0.003	0.188283	ug/L
Cu	65	400.015	0.001	0.172331	ug/L
Zn	66	1154.105	0.004	1.030848	ug/L
Zn	68	1139.102	0.004	1.213081	ug/L
Ge	72	241998.454	241998.454		ug/L
As	75	517.852	0.002	0.371909	ug/L
Se	77	130.002	0.000	0.058184	ug/L
Se	82	41.552	0.000	0.126746	ug/L
Rh	103	298344.107	298344.107		ug/L
Ag	107	54.001	0.000	0.006151	ug/L
Cd	111	0.298	0.000	-0.000587	ug/L
Cd	114	6.735	0.000	0.000456	ug/L
In	115	234336.570	234336.570		ug/L
Sb	121	468.020	0.002	0.068713	ug/L
Sb	123	392.783	0.001	0.079027	ug/L
Tl	203	35.000	0.000	0.000522	ug/L
Tl	205	91.001	0.000	0.000348	ug/L
Pb	208	3762.428	0.010	0.139852	ug/L
Bi	209	326549.815	326549.815		ug/L

: 00621

Sample Information

Sample ID: 1002038-19
Autosampler Position: 69
Sample Date/Time: Monday, February 22, 2010 20:58:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-19.081
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	339709.637	339709.637				ug/L
	Be	9	3.667	0.000	0.009911	0.003	28.352	ug/L
	V	51	5585.776	0.012	0.397846	0.019	4.760	ug/L
	Cu	63	1107.097	0.004	0.242026	0.008	3.489	ug/L
	Cu	65	507.690	0.002	0.226317	0.003	1.377	ug/L
	Zn	66	1485.836	0.006	1.337059	0.039	2.897	ug/L
	Zn	68	1394.150	0.005	1.530753	0.022	1.436	ug/L
>	Ge	72	246004.754	246004.754				ug/L
	As	75	359.123	0.001	0.242527	0.055	22.702	ug/L
	Se	77	136.336	0.000	0.100710	0.179	177.698	ug/L
	Se	82	-35.450	0.000	0.176806	0.014	8.020	ug/L
>	Rh	103	297736.629	297736.629				ug/L
	Ag	107	49.667	0.000	0.004588	0.001	12.295	ug/L
	Cd	111	10.850	0.000	0.005687	0.003	44.858	ug/L
	Cd	114	11.334	0.000	0.000671	0.001	180.520	ug/L
>	In	115	240812.534	240812.534				ug/L
	Sb	121	393.348	0.001	0.055377	0.005	8.871	ug/L
	Sb	123	278.048	0.001	0.051560	0.008	15.410	ug/L
	Tl	203	49.001	0.000	0.001369	0.001	69.572	ug/L
	Tl	205	101.668	0.000	0.000938	0.001	74.746	ug/L
	Pb	208	5943.361	0.016	0.232593	0.004	1.890	ug/L
>	Bi	209	328816.480	328816.480				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	93.832
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.829
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.730
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.897

: 00622

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.215

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	336081.087	336081.087		ug/L
Be	9	4.000	0.000	0.011672	ug/L
V	51	5480.433	0.012	0.378677	ug/L
Cu	63	1139.102	0.004	0.248193	ug/L
Cu	65	505.023	0.002	0.222987	ug/L
Zn	66	1498.172	0.006	1.339886	ug/L
Zn	68	1389.149	0.005	1.510903	ug/L
Ge	72	247735.298	247735.298		ug/L
As	75	282.974	0.001	0.181804	ug/L
Se	77	150.003	0.000	0.231104	ug/L
Se	82	-34.372	0.000	0.186583	ug/L
Rh	103	294162.899	294162.899		ug/L
Ag	107	51.001	0.000	0.004848	ug/L
Cd	111	6.009	0.000	0.003012	ug/L
Cd	114	14.771	0.000	0.001543	ug/L
In	115	239730.822	239730.822		ug/L
Sb	121	391.016	0.001	0.056287	ug/L
Sb	123	280.506	0.001	0.052348	ug/L
Tl	203	57.001	0.000	0.002377	ug/L
Tl	205	94.002	0.000	0.000413	ug/L
Pb	208	5818.018	0.016	0.229087	ug/L
Bi	209	333283.846	333283.846		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	341908.052	341908.052		ug/L
Be	9	3.000	0.000	0.008870	ug/L
V	51	5713.914	0.013	0.416884	ug/L
Cu	63	1088.080	0.004	0.232400	ug/L
Cu	65	507.023	0.002	0.226780	ug/L
Zn	66	1519.177	0.006	1.374304	ug/L
Zn	68	1387.149	0.005	1.529983	ug/L
Ge	72	245253.772	245253.772		ug/L
As	75	418.358	0.002	0.269195	ug/L
Se	77	143.003	0.000	0.174348	ug/L
Se	82	-37.544	0.000	0.160540	ug/L
Rh	103	298911.094	298911.094		ug/L
Ag	107	45.001	0.000	0.003841	ug/L
Cd	111	15.148	0.000	0.008093	ug/L
Cd	114	13.525	0.000	0.001184	ug/L
In	115	240223.861	240223.861		ug/L
Sb	121	422.017	0.001	0.060345	ug/L
Sb	123	311.758	0.001	0.059081	ug/L
Tl	203	48.001	0.000	0.001247	ug/L
Tl	205	97.002	0.000	0.000887	ug/L
Pb	208	5944.027	0.018	0.232988	ug/L
Bi	209	328483.191	328483.191		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	341141.772	341141.772		ug/L
Be	9	4.000	0.000	0.011390	ug/L
V	51	5562.980	0.012	0.397707	ug/L
Cu	63	1116.088	0.004	0.245488	ug/L
Cu	65	511.023	0.002	0.229176	ug/L
Zn	66	1439.158	0.006	1.298987	ug/L
Zn	68	1408.152	0.005	1.554373	ug/L
Ge	72	245026.180	245026.180		ug/L
As	75	378.037	0.001	0.256583	ug/L
Se	77	116.002	-0.000	-0.103320	ug/L
Se	82	34.436	0.000	-0.163315	ug/L
Rh	103	300138.898	300138.898		ug/L
Ag	107	53.001	0.000	0.004976	ug/L
Cd	111	11.283	0.000	0.006957	ug/L
Cd	114	5.708	-0.000	-0.000713	ug/L
In	115	242482.918	242482.918		ug/L
Sb	121	387.013	0.001	0.050521	ug/L
Sb	123	241.881	0.001	0.043248	ug/L
Tl	203	42.001	0.000	0.000484	ug/L
Tl	205	114.002	0.000	0.001733	ug/L
Pb	208	5958.038	0.017	0.236845	ug/L
Bi	209	324732.704	324732.704		ug/L

: 00623

Sample Information

Sample ID: 1002038-20
Autosampler Position: 70
Sample Date/Time: Monday, February 22, 2010 21:02:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-20.082
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	343901.139	343901.139				ug/L
	Be	9	3.000	0.000	0.006557	0.004	68.552	ug/L
	V	51	3897.472	0.006	0.178506	0.013	7.086	ug/L
	Cu	63	828.056	0.003	0.171351	0.011	6.657	ug/L
	Cu	65	370.680	0.001	0.153826	0.006	4.193	ug/L
	Zn	66	1031.085	0.004	0.895362	0.056	6.254	ug/L
	Zn	68	978.410	0.003	0.976151	0.032	3.305	ug/L
>	Ge	72	245188.931	245188.931				ug/L
	As	75	243.466	0.001	0.153358	0.002	1.576	ug/L
	Se	77	139.336	0.000	0.137205	0.182	132.363	ug/L
	Se	82	-51.089	0.000	0.061232	0.195	317.963	ug/L
>	Rh	103	298548.011	298548.011				ug/L
	Ag	107	28.667	0.000	0.001773	0.001	48.452	ug/L
	Cd	111	4.606	0.000	0.002166	0.002	78.518	ug/L
	Cd	114	10.782	0.000	0.000521	0.001	146.213	ug/L
>	In	115	240543.776	240543.776				ug/L
	Sb	121	228.673	0.001	0.027784	0.002	8.756	ug/L
	Sb	123	184.293	0.001	0.031045	0.002	5.958	ug/L
	Tl	203	44.667	0.000	0.000771	0.001	90.368	ug/L
	Tl	205	92.002	0.000	0.000365	0.000	114.348	ug/L
	Pb	208	1868.448	0.004	0.057267	0.001	1.983	ug/L
>	Bi	209	328803.561	328803.561				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	94.989
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.501
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.002
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.786

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.211

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342744 881	342744 881		ug/L
Be	9	3 000	0 000	0 006636	ug/L
V	51	3946 970	0 006	0 185186	ug/L
Cu	63	804 053	0 003	0 168780	ug/L
Cu	65	376 014	0 001	0 157135	ug/L
Zn	66	1046 087	0 004	0 912239	ug/L
Zn	68	968 078	0 003	0 968562	ug/L
Ge	72	244588 884	244588 884		ug/L
As	75	239 284	0 001	0 150588	ug/L
Se	77	121 002	-0 000	-0 049410	ug/L
Se	82	26 301	0 000	0 243204	ug/L
Rh	103	301464 123	301464 123		ug/L
Ag	107	29 000	0 000	0 001782	ug/L
Cd	111	5 942	0 000	0 002862	ug/L
Cd	114	13 724	0 000	0 001204	ug/L
In	115	244204 112	244204 112		ug/L
Sb	121	243 007	0 001	0 029678	ug/L
Sb	123	182 501	0 001	0 030068	ug/L
Tl	203	49 001	0 000	0 001234	ug/L
Tl	205	97 002	0 000	0 000841	ug/L
Pb	208	1880 116	0 004	0 056036	ug/L
Bi	209	335821 851	335821 851		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	340801 070	340801 070		ug/L
Be	9	2 000	0 000	0 002023	ug/L
V	51	3914 763	0 006	0 185414	ug/L
Cu	63	791 052	0 003	0 163801	ug/L
Cu	65	373 014	0 001	0 157949	ug/L
Zn	66	1068 081	0 004	0 940879	ug/L
Zn	68	996 079	0 003	1 012124	ug/L
Ge	72	242956 337	242956 337		ug/L
As	75	242 957	0 001	0 154688	ug/L
Se	77	155 003	0 000	0 313356	ug/L
Se	82	47 364	0 000	0 084670	ug/L
Rh	103	297698 053	297698 053		ug/L
Ag	107	35 000	0 000	0 002628	ug/L
Cd	111	6 743	0 000	0 003383	ug/L
Cd	114	7 362	-0 000	0 000301	ug/L
In	115	235956 988	235956 988		ug/L
Sb	121	230 006	0 001	0 028758	ug/L
Sb	123	175 626	0 001	0 029899	ug/L
Tl	203	36 000	0 000	-0 000030	ug/L
Tl	205	82 001	-0 000	0 000112	ug/L
Pb	208	1853 111	0 004	0 056279	ug/L
Bi	209	321985 408	321985 408		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348157 486	348157 486		ug/L
Be	9	4 000	0 000	0 011012	ug/L
V	51	3830 682	0 006	0 183908	ug/L
Cu	63	889 064	0 003	0 184473	ug/L
Cu	65	361 013	0 001	0 146394	ug/L
Zn	66	979 077	0 003	0 832674	ug/L
Zn	68	970 078	0 003	0 949787	ug/L
Ge	72	248018 893	248018 893		ug/L
As	75	248 158	0 001	0 154807	ug/L
Se	77	142 003	0 000	0 147671	ug/L
Se	82	-79 801	-0 000	-0 144079	ug/L
Rh	103	298281 858	298281 858		ug/L
Ag	107	22 000	0 000	0 000810	ug/L
Cd	111	1 132	0 000	0 000223	ug/L
Cd	114	11 261	0 000	0 000880	ug/L
In	115	241470 227	241470 227		ug/L
Sb	121	213 006	0 001	0 025016	ug/L
Sb	123	194 753	0 001	0 033179	ug/L
Tl	203	47 001	0 000	0 001108	ug/L
Tl	205	97 002	0 000	0 000888	ug/L
Pb	208	1872 118	0 004	0 057482	ug/L
Bi	209	328503 424	328503 424		ug/L

: 90625

Sample Information

Sample ID: 1002038-21
Autosampler Position: 71
Sample Date/Time: Monday, February 22, 2010 21:05:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-21.083
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	340918.047	340918.047				ug/L
	Be	9	4.000	0.000	0.011374	0.009	81.987	ug/L
	V	51	7380.650	0.020	0.633731	0.024	3.770	ug/L
	Cu	63	3624.622	0.014	0.886394	0.013	1.520	ug/L
	Cu	65	1678.547	0.006	0.852598	0.020	2.359	ug/L
	Zn	66	3890.432	0.015	3.696035	0.034	0.909	ug/L
	Zn	68	3010.665	0.011	3.707891	0.082	2.210	ug/L
>	Ge	72	245784.402	245784.402				ug/L
	As	75	595.869	0.002	0.425917	0.039	9.216	ug/L
	Se	77	140.003	0.000	0.140416	0.069	49.047	ug/L
	Se	82	-48.492	0.000	0.080206	0.036	44.912	ug/L
>	Rh	103	298918.248	298918.248				ug/L
	Ag	107	47.001	0.000	0.004206	0.000	5.157	ug/L
	Cd	111	16.833	0.000	0.009050	0.005	55.741	ug/L
	Cd	114	22.360	0.000	0.003312	0.001	39.448	ug/L
>	In	115	239762.012	239762.012				ug/L
	Sb	121	370.347	0.001	0.051791	0.003	6.555	ug/L
	Sb	123	280.547	0.001	0.052328	0.004	8.051	ug/L
	Tl	203	59.001	0.000	0.002809	0.001	37.654	ug/L
	Tl	205	109.002	0.000	0.001398	0.001	37.143	ug/L
	Pb	208	62908.523	0.191	2.702093	0.095	3.500	ug/L
>	Bi	209	326754.977	326754.977				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	94.166
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.740
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.126
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.465

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.593

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	341427.975	341427.975		ug/L
Be	9	8.000	0.000	0.020742	ug/L
V	51	7327.663	0.020	0.633178	ug/L
Cu	63	3660.976	0.014	0.901944	ug/L
Cu	65	1668.318	0.007	0.863750	ug/L
Zn	66	3842.071	0.015	3.673867	ug/L
Zn	68	2926.629	0.011	3.621671	ug/L
Ge	72	244141.854	244141.854		ug/L
As	75	542.444	0.002	0.387520	ug/L
Se	77	138.003	0.000	0.129207	ug/L
Se	82	-53.837	0.000	0.040402	ug/L
Rh	103	300216.188	300216.188		ug/L
Ag	107	49.001	0.000	0.004444	ug/L
Cd	111	6.529	0.000	0.003234	ug/L
Cd	114	21.211	0.000	0.003021	ug/L
In	115	240086.681	240086.681		ug/L
Sb	121	384.014	0.001	0.053982	ug/L
Sb	123	273.379	0.001	0.050882	ug/L
Tl	203	64.001	0.000	0.003237	ug/L
Tl	205	110.002	0.000	0.001263	ug/L
Pb	208	62620.328	0.184	2.808090	ug/L
Bi	209	336916.084	336916.084		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	343040.584	343040.584		ug/L
Be	9	4.000	0.000	0.011288	ug/L
V	51	7556.408	0.020	0.657896	ug/L
Cu	63	3588.937	0.014	0.876329	ug/L
Cu	65	1699.219	0.007	0.864681	ug/L
Zn	66	3925.117	0.015	3.734702	ug/L
Zn	68	3013.088	0.011	3.717242	ug/L
Ge	72	245488.608	245488.608		ug/L
As	75	592.781	0.002	0.424257	ug/L
Se	77	147.003	0.000	0.214202	ug/L
Se	82	44.341	0.000	0.110663	ug/L
Rh	103	301560.049	301560.049		ug/L
Ag	107	47.001	0.000	0.004152	ug/L
Cd	111	22.719	0.000	0.012235	ug/L
Cd	114	28.478	0.000	0.004740	ug/L
In	115	237514.433	237514.433		ug/L
Sb	121	377.014	0.001	0.053501	ug/L
Sb	123	263.630	0.001	0.049178	ug/L
Tl	203	50.001	0.000	0.001806	ug/L
Tl	205	118.002	0.000	0.001971	ug/L
Pb	208	62607.529	0.191	2.705020	ug/L
Bi	209	324832.280	324832.280		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	338288.602	338288.602		ug/L
Be	9	2.000	0.000	0.002083	ug/L
V	51	7257.881	0.019	0.610121	ug/L
Cu	63	3623.986	0.014	0.878810	ug/L
Cu	65	1648.207	0.006	0.828384	ug/L
Zn	66	3904.108	0.015	3.679447	ug/L
Zn	68	3081.700	0.011	3.764760	ug/L
Ge	72	247724.949	247724.949		ug/L
As	75	652.401	0.002	0.463674	ug/L
Se	77	135.003	0.000	0.077837	ug/L
Se	82	-47.500	0.000	0.089863	ug/L
Rh	103	294978.531	294978.531		ug/L
Ag	107	45.001	0.000	0.004021	ug/L
Cd	111	21.251	0.000	0.011682	ug/L
Cd	114	17.394	0.000	0.002178	ug/L
In	115	241685.922	241685.922		ug/L
Sb	121	350.012	0.001	0.047881	ug/L
Sb	123	304.632	0.001	0.057113	ug/L
Tl	203	63.001	0.000	0.003567	ug/L
Tl	205	99.002	0.000	0.000969	ug/L
Pb	208	63487.713	0.198	2.795168	ug/L
Bi	209	318718.558	318718.558		ug/L

00627

Sample Information

Sample ID: 1002038-22
Autosampler Position: 72
Sample Date/Time: Monday, February 22, 2010 21:09:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-22.084
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	345681.711	345681.711				ug/L
	Be	9	2.667	0.000	0.005005	0.007	142.294	ug/L
	V	51	8114.584	0.023	0.737894	0.020	2.766	ug/L
	Cu	63	2221.701	0.008	0.531767	0.014	2.574	ug/L
	Cu	65	1011.415	0.004	0.499878	0.012	2.421	ug/L
	Zn	66	2417.433	0.009	2.269863	0.041	1.811	ug/L
	Zn	68	2022.306	0.007	2.398537	0.028	1.168	ug/L
>	Ge	72	243942.135	243942.135				ug/L
	As	75	435.332	0.002	0.304126	0.023	7.694	ug/L
	Se	77	135.669	0.000	0.106536	0.298	279.446	ug/L
	Se	82	-56.217	0.000	0.019331	0.175	903.754	ug/L
>	Rh	103	295632.807	295632.807				ug/L
	Ag	107	110.335	0.000	0.012783	0.003	20.073	ug/L
	Cd	111	18.355	0.000	0.010004	0.004	36.540	ug/L
	Cd	114	31.835	0.000	0.005701	0.002	29.213	ug/L
>	In	115	238817.901	238817.901				ug/L
	Sb	121	264.341	0.001	0.034088	0.002	7.204	ug/L
	Sb	123	198.585	0.001	0.034496	0.002	5.647	ug/L
	Tl	203	60.334	0.000	0.003098	0.001	40.603	ug/L
	Tl	205	133.336	0.000	0.002912	0.000	13.748	ug/L
	Pb	208	7404.236	0.021	0.300996	0.015	5.035	ug/L
>	Bi	209	323395.685	323395.685				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.481
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.000
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.025
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.077

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	97.579

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	344484 646	344484 646		ug/L
Be	9	4 000	0 000	0 011208	ug/L
V	51	7941 623	0 022	0 718402	ug/L
Cu	63	2275 386	0 008	0 547453	ug/L
Cu	65	991 079	0 004	0 490860	ug/L
Zn	66	2446 443	0 010	2 308103	ug/L
Zn	68	2006 301	0 007	2 384114	ug/L
Ge	72	243182 065	243182 065		ug/L
As	75	401 190	0 001	0 278535	ug/L
Se	77	168 004	0 000	0 447389	ug/L
Se	82	69 608	-0 000	-0 081139	ug/L
Rh	103	298047 428	298047 428		ug/L
Ag	107	120 002	0 000	0 014066	ug/L
Cd	111	25 150	0 000	0 013850	ug/L
Cd	114	28 036	0 000	0 004788	ug/L
In	115	239779 034	239779 034		ug/L
Sb	121	282 008	0 001	0 036890	ug/L
Sb	123	207 753	0 001	0 038338	ug/L
Tl	203	58 001	0 000	0 002542	ug/L
Tl	205	129 002	0 000	0 002450	ug/L
Pb	208	7209 488	0 020	0 283081	ug/L
Bi	209	332075 067	332075 067		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	344108 128	344108 128		ug/L
Be	9	3 000	0 000	0 008581	ug/L
V	51	8186 629	0 023	0 736164	ug/L
Cu	63	2202 361	0 008	0 522231	ug/L
Cu	65	1045 087	0 004	0 513588	ug/L
Zn	66	2381 424	0 009	2 225193	ug/L
Zn	68	2025 307	0 007	2 380658	ug/L
Ge	72	245899 461	245899 461		ug/L
As	75	484 935	0 002	0 324432	ug/L
Se	77	124 002	-0 000	-0 025198	ug/L
Se	82	29 442	0 000	0 221063	ug/L
Rh	103	294583 724	294583 724		ug/L
Ag	107	86 001	0 000	0 009829	ug/L
Cd	111	12 767	0 000	0 008675	ug/L
Cd	114	39 572	0 000	0 007625	ug/L
In	115	237656 587	237656 587		ug/L
Sb	121	257 007	0 001	0 033086	ug/L
Sb	123	188 501	0 001	0 034683	ug/L
Tl	203	54 001	0 000	0 002214	ug/L
Tl	205	137 003	0 000	0 003146	ug/L
Pb	208	7502 617	0 022	0 305957	ug/L
Bi	209	322498 858	322498 858		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	348452 358	348452 358		ug/L
Be	9	1 000	0 000	-0 002773	ug/L
V	51	8235 502	0 024	0 759115	ug/L
Cu	63	2187 357	0 008	0 525618	ug/L
Cu	65	998 080	0 004	0 495356	ug/L
Zn	66	2414 432	0 009	2 278293	ug/L
Zn	68	2036 311	0 007	2 430837	ug/L
Ge	72	242764 888	242764 888		ug/L
As	75	439 871	0 002	0 309411	ug/L
Se	77	115 002	-0 000	-0 102586	ug/L
Se	82	-69 600	0 000	-0 081931	ug/L
Rh	103	296267 269	296267 269		ug/L
Ag	107	123 002	0 000	0 014456	ug/L
Cd	111	17 648	0 000	0 009586	ug/L
Cd	114	27 699	0 000	0 004721	ug/L
In	115	239018 082	239018 082		ug/L
Sb	121	254 007	0 001	0 032309	ug/L
Sb	123	189 501	0 001	0 032457	ug/L
Tl	203	69 001	0 000	0 004539	ug/L
Tl	205	134 003	0 000	0 003141	ug/L
Pb	208	7500 602	0 022	0 313049	ug/L
Bi	209	315812 141	315812 141		ug/L

: 00629

Sample Information

Sample ID: 1002038-23
Autosampler Position: 73
Sample Date/Time: Monday, February 22, 2010 21:12:49
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-23.085
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	347755.691	347755.691				ug/L
⌊	Be	9	1.667	0.000	0.000344	0.005	1578.199	ug/L
⌈	V	51	4084.001	0.006	0.198322	0.008	4.067	ug/L
|	Cu	63	5213.955	0.020	1.284754	0.015	1.155	ug/L
|	Cu	65	2492.460	0.010	1.279437	0.026	2.004	ug/L
|	Zn	66	1189.778	0.004	1.040928	0.020	1.913	ug/L
|	Zn	68	1258.790	0.004	1.339700	0.021	1.566	ug/L
|>	Ge	72	247304.778	247304.778				ug/L
|	As	75	802.346	0.003	0.582485	0.065	11.125	ug/L
|	Se	77	133.003	0.000	0.059806	0.108	181.206	ug/L
⌊	Se	82	-37.453	0.000	0.163583	0.111	67.849	ug/L
⌈>	Rh	103	297154.731	297154.731				ug/L
|	Ag	107	27.334	0.000	0.001614	0.000	20.455	ug/L
|	Cd	111	9.202	0.000	0.004790	0.004	78.108	ug/L
⌊	Cd	114	23.103	0.000	0.003530	0.002	46.000	ug/L
⌈>	In	115	238056.889	238056.889				ug/L
|	Sb	121	972.409	0.004	0.154374	0.004	2.693	ug/L
⌊	Sb	123	765.170	0.003	0.160194	0.012	7.503	ug/L
⌈	Tl	203	32.334	-0.000	-0.000905	0.001	86.451	ug/L
|	Tl	205	74.668	-0.000	-0.000629	0.000	58.732	ug/L
|	Pb	208	10307.001	0.030	0.421393	0.007	1.670	ug/L
⌊>	Bi	209	328058.990	328058.990				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.054
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.351
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.535
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.765

: 00630

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.987

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Units
Li	6	347058.903	347058.903		ug/L
Be	9	1.000	-0.000	-0.002784	ug/L
V	51	4082.714	0.008	0.198514	ug/L
Cu	63	5258.998	0.021	1.301136	ug/L
Cu	65	2436.440	0.010	1.252084	ug/L
Zn	66	1204.114	0.004	1.057012	ug/L
Zn	68	1247.121	0.004	1.327124	ug/L
Ge	72	248881.816	248881.816		ug/L
As	75	842.844	0.003	0.614674	ug/L
Se	77	127.002	0.000	0.000801	ug/L
Se	82	-20.466	0.000	0.287800	ug/L
Rh	103	297866.793	297866.793		ug/L
Ag	107	27.000	0.000	0.001680	ug/L
Cd	111	5.448	0.000	0.002852	ug/L
Cd	114	26.563	0.000	0.004356	ug/L
In	115	236788.328	236788.328		ug/L
Sb	121	940.071	0.004	0.149761	ug/L
Sb	123	770.546	0.003	0.162348	ug/L
Tl	203	28.000	-0.000	-0.001584	ug/L
Tl	205	76.001	0.000	-0.000644	ug/L
Pb	208	10350.046	0.029	0.413671	ug/L
Bi	209	335034.584	335034.584		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Units
Li	6	343131.783	343131.783		ug/L
Be	9	3.000	0.000	0.000520	ug/L
V	51	4023.828	0.008	0.191314	ug/L
Cu	63	5190.937	0.020	1.280832	ug/L
Cu	65	2532.474	0.010	1.302788	ug/L
Zn	66	1183.107	0.004	1.018882	ug/L
Zn	68	1248.122	0.004	1.329086	ug/L
Ge	72	248820.804	248820.804		ug/L
As	75	856.324	0.003	0.624877	ug/L
Se	77	145.003	0.000	0.184884	ug/L
Se	82	49.513	0.000	0.074452	ug/L
Rh	103	297392.827	297392.827		ug/L
Ag	107	30.000	0.000	0.001987	ug/L
Cd	111	5.358	0.000	0.002808	ug/L
Cd	114	27.400	0.000	0.004574	ug/L
In	115	240466.539	240466.539		ug/L
Sb	121	989.078	0.004	0.156532	ug/L
Sb	123	714.288	0.003	0.147276	ug/L
Tl	203	31.000	-0.000	-0.001087	ug/L
Tl	205	68.001	-0.000	-0.000980	ug/L
Pb	208	10258.990	0.030	0.422488	ug/L
Bi	209	325686.125	325686.125		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Units
Li	6	353078.378	353078.378		ug/L
Be	9	1.000	-0.000	-0.002833	ug/L
V	51	4165.466	0.008	0.207139	ug/L
Cu	63	5181.837	0.020	1.272199	ug/L
Cu	65	2508.486	0.010	1.283806	ug/L
Zn	66	1200.113	0.004	1.047111	ug/L
Zn	68	1281.128	0.004	1.353818	ug/L
Ge	72	248131.712	248131.712		ug/L
As	75	708.071	0.003	0.507903	ug/L
Se	77	127.002	0.000	-0.008087	ug/L
Se	82	-42.380	0.000	0.128388	ug/L
Rh	103	298108.774	298108.774		ug/L
Ag	107	25.000	0.000	0.001314	ug/L
Cd	111	16.796	0.000	0.008110	ug/L
Cd	114	15.345	0.000	0.001658	ug/L
In	115	236841.801	236841.801		ug/L
Sb	121	988.078	0.004	0.157828	ug/L
Sb	123	810.678	0.003	0.171084	ug/L
Tl	203	38.000	-0.000	-0.000084	ug/L
Tl	205	80.001	0.000	-0.000252	ug/L
Pb	208	10310.986	0.030	0.427820	ug/L
Bi	209	323446.250	323446.250		ug/L

: 00631

Sample Information

Sample ID: 1002038-24
Autosampler Position: 74
Sample Date/Time: Monday, February 22, 2010 21:16:19
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-24.086
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	345209.550	345209.550				ug/L
	Be	9	1.000	-0.000	-0.002746	0.005	167.075	ug/L
	V	51	5819.455	0.013	0.429064	0.012	2.846	ug/L
	Cu	63	5575.898	0.022	1.385918	0.038	2.740	ug/L
	Cu	65	2509.132	0.010	1.296766	0.011	0.810	ug/L
	Zn	66	2914.957	0.011	2.739846	0.013	0.465	ug/L
	Zn	68	2527.473	0.009	3.058264	0.094	3.066	ug/L
>	Ge	72	245758.335	245758.335				ug/L
	As	75	1590.270	0.006	1.196986	0.029	2.436	ug/L
	Se	77	128.669	0.000	0.023427	0.077	328.852	ug/L
	Se	82	-48.521	0.000	0.080030	0.004	4.848	ug/L
>	Rh	103	297919.637	297919.637				ug/L
	Ag	107	45.334	0.000	0.004003	0.001	33.074	ug/L
	Cd	111	-5.977	-0.000	-0.003784	0.003	69.782	ug/L
	Cd	114	37.305	0.000	0.006964	0.001	12.648	ug/L
>	In	115	240143.021	240143.021				ug/L
	Sb	121	4587.185	0.019	0.761060	0.013	1.661	ug/L
	Sb	123	3486.508	0.014	0.756422	0.026	3.403	ug/L
	Tl	203	27.000	-0.000	-0.001605	0.001	32.345	ug/L
	Tl	205	70.668	-0.000	-0.000817	0.000	44.599	ug/L
	Pb	208	120111.094	0.369	5.217776	0.122	2.335	ug/L
>	Bi	209	324289.408	324289.408				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.351
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.730
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.791
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.622

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.849

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344873.788	344873.788		ug/L
Be	9	0.000	-0.000	-0.007362	ug/L
V	51	5982.358	0.014	0.443149	ug/L
Cu	63	5514.183	0.022	1.354338	ug/L
Cu	65	2516.488	0.010	1.285787	ug/L
Zn	66	2980.643	0.011	2.752706	ug/L
Zn	68	2523.471	0.009	3.015411	ug/L
Ge	72	248497.084	248497.084		ug/L
As	75	1637.745	0.008	1.219881	ug/L
Se	77	138.003	0.000	0.083740	ug/L
Se	82	-48.482	0.000	0.084282	ug/L
Rh	103	298980.082	298980.082		ug/L
Ag	107	49.001	0.000	0.004472	ug/L
Cd	111	-9.534	-0.000	-0.006314	ug/L
Cd	114	41.547	0.000	0.007980	ug/L
In	115	242270.308	242270.308		ug/L
Sb	121	4543.480	0.018	0.740810	ug/L
Sb	123	3466.626	0.014	0.745772	ug/L
Tl	203	25.000	-0.000	-0.001980	ug/L
Tl	205	75.001	-0.000	-0.000880	ug/L
Pb	208	119366.710	0.358	5.077188	ug/L
Bi	209	331066.988	331066.988		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342132.521	342132.521		ug/L
Be	9	1.000	-0.000	-0.002688	ug/L
V	51	5758.808	0.013	0.422584	ug/L
Cu	63	5526.191	0.022	1.375366	ug/L
Cu	65	2508.486	0.010	1.297781	ug/L
Zn	66	2898.818	0.011	2.727245	ug/L
Zn	68	2602.800	0.010	3.166811	ug/L
Ge	72	245298.297	245298.297		ug/L
As	75	1599.679	0.008	1.208788	ug/L
Se	77	120.002	-0.000	-0.063358	ug/L
Se	82	46.580	0.000	0.078086	ug/L
Rh	103	298946.831	298946.831		ug/L
Ag	107	34.000	0.000	0.002508	ug/L
Cd	111	0.562	-0.000	-0.000737	ug/L
Cd	114	34.402	0.000	0.006299	ug/L
In	115	242191.116	242191.116		ug/L
Sb	121	4650.580	0.018	0.765015	ug/L
Sb	123	3431.481	0.014	0.737714	ug/L
Tl	203	25.000	-0.000	-0.001846	ug/L
Tl	205	74.001	-0.000	0.000568	ug/L
Pb	208	120400.859	0.374	5.292665	ug/L
Bi	209	320402.646	320402.646		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348622.381	348622.381		ug/L
Be	9	2.000	0.000	0.001813	ug/L
V	51	5707.398	0.013	0.421458	ug/L
Cu	63	5688.321	0.023	1.428081	ug/L
Cu	65	2504.464	0.010	1.306730	ug/L
Zn	66	2887.812	0.011	2.730688	ug/L
Zn	68	2456.447	0.009	2.983672	ug/L
Ge	72	243478.615	243478.615		ug/L
As	75	1535.386	0.008	1.164188	ug/L
Se	77	130.002	0.000	0.049897	ug/L
Se	82	46.521	0.000	0.078704	ug/L
Rh	103	297852.199	297852.199		ug/L
Ag	107	53.001	0.000	0.005029	ug/L
Cd	111	8.834	0.000	0.005401	ug/L
Cd	114	35.986	0.000	0.006843	ug/L
In	115	235687.641	235687.641		ug/L
Sb	121	4567.508	0.018	0.771254	ug/L
Sb	123	3568.416	0.018	0.786782	ug/L
Tl	203	31.000	-0.000	0.001008	ug/L
Tl	205	63.001	-0.000	0.001234	ug/L
Pb	208	120666.714	0.373	5.283485	ug/L
Bi	209	321366.714	321366.714		ug/L

00633

Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 22, 2010 21:19:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.087
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	342373.183	342373.183				ug/L
⌊	Be	9	8041.272	0.023	37.554674	0.591	1.575	ug/L
⌈	V	51	281184.230	1.154	37.161064	0.345	0.930	ug/L
|	Cu	63	150069.922	0.621	39.022197	0.293	0.750	ug/L
|	Cu	65	71662.742	0.296	38.937185	0.180	0.462	ug/L
|	Zn	66	38602.081	0.159	38.391591	0.226	0.588	ug/L
⌊	Zn	68	28160.351	0.116	38.224438	0.379	0.991	ug/L
|>	Ge	72	241561.790	241561.790				ug/L
|	As	75	49377.822	0.204	38.914726	0.503	1.294	ug/L
|	Se	77	3734.680	0.015	37.847568	0.635	1.677	ug/L
⌊	Se	82	4883.029	0.020	37.122159	0.343	0.924	ug/L
⌈>	Rh	103	294205.040	294205.040				ug/L
|	Ag	107	286079.993	0.972	38.634933	0.357	0.925	ug/L
|	Cd	111	65404.648	0.222	37.343281	0.614	1.644	ug/L
⌊	Cd	114	154983.643	0.527	38.085655	0.489	1.284	ug/L
⌈>	In	115	235620.107	235620.107				ug/L
|	Sb	121	212982.111	0.904	36.501949	1.166	3.193	ug/L
⌊	Sb	123	162323.013	0.689	36.315453	0.873	2.404	ug/L
⌈	Tl	203	269612.597	0.833	37.817972	0.450	1.191	ug/L
|	Tl	205	652619.082	2.016	38.591770	0.778	2.016	ug/L
|	Pb	208	864428.971	2.669	37.758380	0.666	1.763	ug/L
⌊>	Bi	209	323726.077	323726.077				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.567
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
⌊	Zn	67.925	
|>	Ge	71.922	97.044
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.547
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	96.764

00634

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.679

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	342801.208	342801.208		ug/L
Be	9	7900.446	0.023	36.872011	ug/L
V	51	279581.329	1.144	36.834127	ug/L
Cu	63	149816.126	0.616	38.760008	ug/L
Cu	65	71498.775	0.296	38.730278	ug/L
Zn	66	38537.082	0.159	38.210618	ug/L
Zn	68	27827.788	0.114	37.788788	ug/L
Ge	72	242293.388	242293.388		ug/L
As	75	49547.383	0.204	38.630114	ug/L
Se	77	3717.004	0.015	37.543726	ug/L
Se	82	4846.341	0.020	36.736106	ug/L
Rh	103	293480.883	293480.883		ug/L
Ag	107	287471.497	0.980	38.920036	ug/L
Cd	111	65883.411	0.225	37.788978	ug/L
Cd	114	156879.981	0.536	38.648589	ug/L
In	115	235677.627	235677.627		ug/L
Sb	121	205371.607	0.872	35.203366	ug/L
Sb	123	158026.771	0.671	35.360175	ug/L
Tl	203	271881.398	0.824	37.398737	ug/L
Tl	205	650048.317	1.969	37.883225	ug/L
Pb	208	864297.256	2.617	37.018610	ug/L
Bi	209	330081.673	330081.673		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	344374.521	344374.521		ug/L
Be	9	8158.738	0.024	37.881610	ug/L
V	51	283129.087	1.165	37.522433	ug/L
Cu	63	150874.253	0.626	39.337838	ug/L
Cu	65	71531.092	0.297	39.025662	ug/L
Zn	66	38425.462	0.159	38.319518	ug/L
Zn	68	28211.868	0.116	38.299483	ug/L
Ge	72	240908.514	240908.514		ug/L
As	75	49870.868	0.207	39.410277	ug/L
Se	77	3794.048	0.015	38.577120	ug/L
Se	82	4885.204	0.021	37.237803	ug/L
Rh	103	293024.500	293024.500		ug/L
Ag	107	285785.186	0.975	38.750701	ug/L
Cd	111	65635.360	0.224	37.623708	ug/L
Cd	114	153377.983	0.523	37.842073	ug/L
In	115	238058.089	238058.089		ug/L
Sb	121	215386.275	0.912	36.845194	ug/L
Sb	123	163516.561	0.693	36.614258	ug/L
Tl	203	268808.804	0.832	37.760883	ug/L
Tl	205	656808.808	2.040	39.041377	ug/L
Pb	208	886824.050	2.682	37.944879	ug/L
Bi	209	322958.821	322958.821		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	340143.820	340143.820		ug/L
Be	9	8084.631	0.024	37.910402	ug/L
V	51	280842.292	1.153	37.126633	ug/L
Cu	63	149819.388	0.620	38.988746	ug/L
Cu	65	71858.360	0.297	39.056628	ug/L
Zn	66	38843.718	0.160	38.644738	ug/L
Zn	68	28341.308	0.116	38.484021	ug/L
Ge	72	241485.589	241485.589		ug/L
As	75	48715.205	0.202	38.403788	ug/L
Se	77	3692.981	0.015	37.421858	ug/L
Se	82	4917.542	0.021	37.392588	ug/L
Rh	103	298129.737	298129.737		ug/L
Ag	107	284973.298	0.962	38.234081	ug/L
Cd	111	64586.171	0.218	36.639162	ug/L
Cd	114	154883.008	0.522	37.766306	ug/L
In	115	235223.804	235223.804		ug/L
Sb	121	218188.452	0.927	37.457298	ug/L
Sb	123	165425.688	0.703	37.071924	ug/L
Tl	203	258348.493	0.843	38.294197	ug/L
Tl	205	649001.118	2.040	39.040708	ug/L
Pb	208	862165.610	2.708	38.310750	ug/L
Bi	209	318157.435	318157.436		ug/L

Sample ID: 0B22027-CCV
Report Date/Time: Monday, February 22, 2010 21:21:35

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 21:28:16
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.088
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	338951.332	338951.332				ug/L
	Be	9	0.667	-0.000	-0.004253	0.005	126.601	ug/L
	V	51	2312.572	-0.001	-0.025156	0.005	18.443	ug/L
	Cu	63	188.004	0.000	0.008027	0.003	39.121	ug/L
	Cu	65	96.668	0.000	0.007729	0.004	47.909	ug/L
	Zn	66	154.003	0.000	0.035258	0.015	42.796	ug/L
	Zn	68	297.009	0.000	0.062658	0.021	34.278	ug/L
>	Ge	72	241504.906	241504.906				ug/L
	As	75	-32.096	-0.000	-0.061156	0.020	33.177	ug/L
	Se	77	118.669	-0.000	-0.057925	0.087	150.203	ug/L
	Se	82	-40.039	0.000	0.137414	0.116	84.108	ug/L
>	Rh	103	293677.019	293677.019				ug/L
	Ag	107	56.334	0.000	0.005582	0.001	10.605	ug/L
	Cd	111	3.907	0.000	0.001823	0.002	113.063	ug/L
	Cd	114	11.870	0.000	0.000833	0.001	81.749	ug/L
>	In	115	235685.854	235685.854				ug/L
	Sb	121	558.028	0.002	0.084946	0.009	10.030	ug/L
	Sb	123	410.969	0.002	0.082545	0.005	6.480	ug/L
	Tl	203	35.334	-0.000	-0.000340	0.001	317.404	ug/L
	Tl	205	78.335	-0.000	-0.000272	0.000	140.445	ug/L
	Pb	208	1584.417	0.003	0.047387	0.010	20.762	ug/L
>	Bi	209	318255.326	318255.326				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	93.622
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.021
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.370
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	96.791

: 00636

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

96.028

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	333829.602	333829.602		ug/L
	Be	9	0.000	-0.000	-0.007362	ug/L
	V	51	2325.128	-0.001	-0.023013	ug/L
	Cu	63	200.009	0.000	0.011229	ug/L
	Cu	65	95.002	0.000	0.005888	ug/L
	Zn	66	161.003	0.000	0.042462	ug/L
	Zn	68	299.008	0.000	0.085983	ug/L
>	Ge	72	241143.308	241143.308		ug/L
	As	75	43.257	-0.000	-0.070030	ug/L
	Se	77	124.002	-0.000	0.000010	ug/L
	Se	82	57.412	0.000	0.006298	ug/L
>	Rh	103	292104.984	292104.984		ug/L
	Ag	107	61.001	0.000	0.006257	ug/L
	Cd	111	7.978	0.000	0.004168	ug/L
	Cd	114	13.081	0.000	0.001143	ug/L
>	In	115	239627.083	239627.083		ug/L
	Sb	121	619.033	0.002	0.093732	ug/L
	Sb	123	444.137	0.002	0.066380	ug/L
	Tl	203	27.000	-0.000	-0.001977	ug/L
	Tl	205	72.001	-0.000	-0.000701	ug/L
	Pb	208	1407.088	0.003	0.038780	ug/L
>	Bi	209	321582.883	321582.883		ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	339881.351	339881.351		ug/L
	Be	9	0.000	-0.000	-0.007362	ug/L
	V	51	2342.467	-0.001	-0.021875	ug/L
	Cu	63	188.004	0.000	0.007889	ug/L
	Cu	65	91.001	0.000	0.004814	ug/L
	Zn	66	137.003	0.000	0.017817	ug/L
	Zn	68	261.008	0.000	0.039711	ug/L
>	Ge	72	242132.987	242132.987		ug/L
	As	75	50.381	0.000	-0.075498	ug/L
	Se	77	123.002	-0.000	-0.015780	ug/L
	Se	82	34.278	0.000	0.181442	ug/L
>	Rh	103	292931.811	292931.811		ug/L
	Ag	107	53.001	0.000	0.006148	ug/L
	Cd	111	2.474	0.000	0.000999	ug/L
	Cd	114	5.670	0.000	0.000052	ug/L
>	In	115	233853.098	233853.098		ug/L
	Sb	121	550.027	0.002	0.084389	ug/L
	Sb	123	402.386	0.002	0.061380	ug/L
	Tl	203	39.000	0.000	0.000138	ug/L
	Tl	205	81.001	-0.000	-0.000147	ug/L
	Pb	208	1550.079	0.003	0.045288	ug/L
>	Bi	209	320421.381	320421.381		ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	342943.043	342943.043		ug/L
	Be	9	2.000	0.000	0.001964	ug/L
	V	51	2270.123	0.001	-0.030479	ug/L
	Cu	63	178.004	0.000	0.004952	ug/L
	Cu	65	104.002	0.000	0.011778	ug/L
	Zn	66	164.004	0.000	0.045398	ug/L
	Zn	68	311.010	0.000	0.082280	ug/L
>	Ge	72	241238.442	241238.442		ug/L
	As	75	2.649	0.000	-0.037941	ug/L
	Se	77	109.002	0.000	0.157875	ug/L
	Se	82	28.427	0.000	0.224508	ug/L
>	Rh	103	295994.292	295994.292		ug/L
	Ag	107	55.001	0.000	0.006343	ug/L
	Cd	111	1.269	0.000	0.000301	ug/L
	Cd	114	13.888	0.000	0.001308	ug/L
>	In	115	233577.400	233577.400		ug/L
	Sb	121	506.023	0.002	0.078718	ug/L
	Sb	123	366.386	0.001	0.077875	ug/L
	Tl	203	40.001	0.000	0.000418	ug/L
	Tl	205	82.001	0.000	0.000032	ug/L
	Pb	208	1798.105	0.004	0.058102	ug/L
>	Bi	209	312781.754	312781.754		ug/L

: 00637

Sample Information

Sample ID: 1001399-BLK2
Autosampler Position: 75
Sample Date/Time: Monday, February 22, 2010 21:37:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001399-BLK2.089
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	342540.254	342540.254				ug/L
⌊	Be	9	0.667	-0.000	-0.004286	0.005	124.323	ug/L
⌈	V	51	2539.271	0.000	0.000611	0.003	562.565	ug/L
|	Cu	63	556.694	0.002	0.102113	0.003	3.171	ug/L
|	Cu	65	251.340	0.001	0.090129	0.013	14.817	ug/L
|	Zn	66	1932.281	0.007	1.784349	0.031	1.731	ug/L
|	Zn	68	1531.513	0.005	1.726272	0.057	3.280	ug/L
|>	Ge	72	244736.628	244736.628				ug/L
|	As	75	-30.208	-0.000	-0.059284	0.022	36.277	ug/L
|	Se	77	122.669	-0.000	-0.032348	0.184	567.555	ug/L
⌊	Se	82	-62.222	-0.000	-0.023790	0.171	720.759	ug/L
⌈>	Rh	103	298124.531	298124.531				ug/L
|	Ag	107	35.000	0.000	0.002621	0.001	21.715	ug/L
|	Cd	111	2.495	0.000	0.000985	0.002	228.713	ug/L
⌊	Cd	114	6.579	-0.000	-0.000489	0.000	93.898	ug/L
⌈>	In	115	238834.789	238834.789				ug/L
|	Sb	121	246.007	0.001	0.030999	0.001	4.121	ug/L
⌊	Sb	123	209.376	0.001	0.036903	0.003	7.664	ug/L
⌈	Tl	203	19.334	-0.000	-0.002707	0.001	41.011	ug/L
|	Tl	205	61.334	-0.000	-0.001380	0.000	18.339	ug/L
|	Pb	208	1294.726	0.002	0.033229	0.003	8.922	ug/L
⌊>	Bi	209	325199.491	325199.491				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.614
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.319
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.860
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.084

: 00638

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.124

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	340183.086	340183.086		ug/L
	Be	9	0.000	-0.000	-0.007382	ug/L
	V	51	2571.743	0.000	0.002570	ug/L
	Cu	63	547.028	0.002	0.098668	ug/L
	Cu	65	235.006	0.001	0.080443	ug/L
	Zn	66	1908.274	0.007	1.748711	ug/L
	Zn	68	1486.171	0.006	1.663133	ug/L
>	Ge	72	2484220.10	2484220.10		ug/L
	As	75	62.410	0.000	-0.084108	ug/L
	Se	77	104.002	0.000	-0.233423	ug/L
	Se	82	-40.372	0.000	0.141034	ug/L
>	Rh	103	2981222.119	2981222.119		ug/L
	Ag	107	31.000	0.000	0.002081	ug/L
	Cd	111	2.096	0.000	-0.001600	ug/L
	Cd	114	8.019	-0.000	-0.000143	ug/L
>	In	115	2363336.666	2363336.666		ug/L
	Sb	121	252.007	0.001	0.032484	ug/L
	Sb	123	220.828	0.001	0.039878	ug/L
	Tl	203	26.000	-0.000	-0.001838	ug/L
	Tl	205	66.001	-0.000	-0.001188	ug/L
	Pb	208	1280.058	0.002	0.031338	ug/L
>	Bi	209	3324143.06	3324143.06		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	3406845.33	3406845.33		ug/L
	Be	9	0.000	-0.000	-0.007382	ug/L
	V	51	2508.036	-0.000	-0.003357	ug/L
	Cu	63	568.028	0.002	0.106078	ug/L
	Cu	65	241.006	0.001	0.084583	ug/L
	Zn	66	1946.286	0.007	1.800811	ug/L
	Zn	68	1568.187	0.006	1.772518	ug/L
>	Ge	72	2446309.80	2446309.80		ug/L
	As	75	-13.380	0.000	0.048271	ug/L
	Se	77	138.003	0.000	0.126344	ug/L
	Se	82	-40.800	0.000	-0.011186	ug/L
>	Rh	103	3019877.48	3019877.48		ug/L
	Ag	107	40.001	0.000	0.003223	ug/L
	Cd	111	5.288	0.000	0.002522	ug/L
	Cd	114	4.501	0.000	-0.001010	ug/L
>	In	115	2368922.297	2368922.297		ug/L
	Sb	121	241.008	0.001	0.030478	ug/L
	Sb	123	206.378	0.001	0.036588	ug/L
	Tl	203	22.000	-0.000	-0.002328	ug/L
	Tl	205	63.001	-0.000	-0.001286	ug/L
	Pb	208	1264.066	0.002	0.031702	ug/L
>	Bi	209	3260821.56	3260821.56		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	3466731.44	3466731.44		ug/L
	Be	9	2.000	0.000	0.001887	ug/L
	V	51	2538.036	0.000	0.002619	ug/L
	Cu	63	555.027	0.002	0.102601	ug/L
	Cu	65	278.008	0.001	0.106383	ug/L
	Zn	66	1939.283	0.007	1.803624	ug/L
	Zn	68	1534.180	0.006	1.743183	ug/L
>	Ge	72	2431568.93	2431568.93		ug/L
	As	75	14.834	-0.000	0.047473	ug/L
	Se	77	126.002	0.000	0.010036	ug/L
	Se	82	85.686	0.000	-0.201208	ug/L
>	Rh	103	2942837.27	2942837.27		ug/L
	Ag	107	34.000	0.000	0.002560	ug/L
	Cd	111	4.294	0.000	0.002031	ug/L
	Cd	114	7.218	0.000	0.000314	ug/L
>	In	115	2432734.16	2432734.16		ug/L
	Sb	121	245.007	0.001	0.030084	ug/L
	Sb	123	201.124	0.001	0.034248	ug/L
	Tl	203	10.000	-0.000	0.003957	ug/L
	Tl	205	55.001	0.000	0.001606	ug/L
	Pb	208	1340.083	0.003	0.038548	ug/L
>	Bi	209	3171020.13	3171020.13		ug/L

Sample ID: 1001399-BLK2
Report Date/Time: Monday, February 22, 2010 21:39:38

: 20639

Sample Information

Sample ID: 1001399-BS2
Autosampler Position: 76
Sample Date/Time: Monday, February 22, 2010 21:41:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001399-BS2.090
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	345637.878	345637.878				ug/L
⌊	Be	9	3816.724	0.011	17.653892	0.305	1.728	ug/L
⌈	V	51	142986.957	0.570	18.375521	0.333	1.815	ug/L
|	Cu	63	74935.130	0.304	19.099081	0.353	1.846	ug/L
|	Cu	65	35665.510	0.145	18.991760	0.209	1.100	ug/L
|	Zn	66	19294.888	0.078	18.767948	0.202	1.076	ug/L
⌊	Zn	68	14118.749	0.056	18.628222	0.095	0.509	ug/L
|>	Ge	72	246194.875	246194.875				ug/L
|	As	75	23307.957	0.094	18.003502	0.263	1.463	ug/L
|	Se	77	1819.584	0.007	17.413381	0.766	4.399	ug/L
⌊	Se	82	2293.345	0.010	17.342004	0.133	0.767	ug/L
⌈>	Rh	103	296598.401	296598.401				ug/L
|	Ag	107	138946.963	0.468	18.612378	0.310	1.667	ug/L
|	Cd	111	31415.278	0.106	17.791717	0.248	1.395	ug/L
⌊	Cd	114	73435.062	0.248	17.898933	0.069	0.385	ug/L
⌈>	In	115	238755.932	238755.932				ug/L
|	Sb	121	107420.600	0.450	18.168798	0.553	3.043	ug/L
⌊	Sb	123	82887.726	0.347	18.303988	0.727	3.972	ug/L
⌈	Tl	203	134417.002	0.405	18.383110	0.222	1.208	ug/L
|	Tl	205	319735.839	0.963	18.434343	0.337	1.831	ug/L
|	Pb	208	429679.443	1.293	18.289965	0.328	1.791	ug/L
⌊>	Bi	209	331955.407	331955.407				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.469
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
⌊	Zn	67.925	
|>	Ge	71.922	98.905
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.349
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.052

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	100.162

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	381474.172	381474.172		ug/L
Be	9	3859.081	0.011	17.552103	ug/L
V	51	141995.035	0.567	18.080780	ug/L
Cu	63	74003.113	0.297	18.693073	ug/L
Cu	65	35578.744	0.143	18.777389	ug/L
Zn	66	19446.838	0.078	18.781213	ug/L
Zn	68	14325.494	0.057	18.737256	ug/L
Ge	72	248379.084	248379.084		ug/L
As	75	23541.444	0.095	18.024412	ug/L
Se	77	1801.246	0.007	17.081178	ug/L
Se	82	2330.985	0.010	17.468014	ug/L
Rh	103	297366.576	297366.576		ug/L
Ag	107	136736.731	0.460	18.268210	ug/L
Cd	111	31399.785	0.106	17.738043	ug/L
Cd	114	73826.870	0.248	17.947817	ug/L
In	115	242980.854	242980.854		ug/L
Sb	121	105618.727	0.434	17.530880	ug/L
Sb	123	80758.031	0.332	17.615384	ug/L
Tl	203	135422.028	0.406	18.367883	ug/L
Tl	205	317408.219	0.948	18.148108	ug/L
Pb	208	428978.911	1.274	18.023740	ug/L
Bi	209	334686.844	334686.844		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	341990.977	341990.977		ug/L
Be	9	3890.076	0.011	17.998806	ug/L
V	51	144841.567	0.582	18.737491	ug/L
Cu	63	75153.037	0.307	19.275426	ug/L
Cu	65	35818.942	0.146	19.194560	ug/L
Zn	66	18976.383	0.077	18.574654	ug/L
Zn	68	13981.811	0.056	18.564573	ug/L
Ge	72	244834.084	244834.084		ug/L
As	75	22808.945	0.093	17.730337	ug/L
Se	77	1757.234	0.007	16.886740	ug/L
Se	82	2280.088	0.009	17.203807	ug/L
Rh	103	297842.819	297842.819		ug/L
Ag	107	140179.543	0.471	18.698276	ug/L
Cd	111	31166.336	0.105	17.578027	ug/L
Cd	114	73419.074	0.246	17.820125	ug/L
In	115	234624.651	234624.651		ug/L
Sb	121	107578.086	0.458	18.509802	ug/L
Sb	123	84364.011	0.358	18.947437	ug/L
Tl	203	133648.062	0.400	18.168099	ug/L
Tl	205	320172.567	0.959	18.348478	ug/L
Pb	208	429828.404	1.286	18.190411	ug/L
Bi	209	333914.940	333914.940		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343448.486	343448.486		ug/L
Be	9	3741.017	0.011	17.412687	ug/L
V	51	142124.270	0.568	18.308278	ug/L
Cu	63	75849.239	0.307	19.328744	ug/L
Cu	65	35588.844	0.145	19.003341	ug/L
Zn	66	19458.888	0.079	18.977776	ug/L
Zn	68	14048.843	0.056	18.582839	ug/L
Ge	72	245671.449	245671.449		ug/L
As	75	23573.483	0.096	18.256757	ug/L
Se	77	1900.272	0.007	18.292225	ug/L
Se	82	2288.983	0.010	17.353191	ug/L
Rh	103	294585.808	294585.808		ug/L
Ag	107	139924.618	0.475	18.670847	ug/L
Cd	111	31679.712	0.108	18.063080	ug/L
Cd	114	73058.240	0.248	17.929867	ug/L
In	115	238662.280	238662.280		ug/L
Sb	121	109188.977	0.457	18.465732	ug/L
Sb	123	83560.135	0.350	18.449133	ug/L
Tl	203	134180.918	0.410	18.612388	ug/L
Tl	205	321625.730	0.983	18.808442	ug/L
Pb	208	432131.014	1.319	18.656745	ug/L
Bi	209	327264.436	327264.436		ug/L

: 00641

Sample Information

Sample ID: 1002144-01
Autosampler Position: 77
Sample Date/Time: Monday, February 22, 2010 21:50:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-01.091
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	337093.298	337093.298				ug/L
⌊	Be	9	2.000	0.000	0.002110	0.005	222.562	ug/L
⌈	V	51	5297.469	0.011	0.357601	0.017	4.623	ug/L
|	Cu	63	8161.742	0.032	2.038072	0.029	1.413	ug/L
|	Cu	65	3823.395	0.015	1.990371	0.021	1.033	ug/L
|	Zn	66	1865.929	0.007	1.703196	0.069	4.055	ug/L
|	Zn	68	1762.902	0.006	2.018573	0.077	3.833	ug/L
|>	Ge	72	246851.905	246851.905				ug/L
|	As	75	1446.131	0.006	1.080668	0.059	5.492	ug/L
|	Se	77	133.669	0.000	0.069165	0.044	64.038	ug/L
⌊	Se	82	-57.514	0.000	0.015773	0.063	399.541	ug/L
⌈>	Rh	103	303672.001	303672.001				ug/L
|	Ag	107	167.337	0.001	0.019898	0.003	15.557	ug/L
|	Cd	111	16.758	0.000	0.008796	0.004	43.157	ug/L
⌊	Cd	114	51.225	0.000	0.010114	0.000	4.081	ug/L
⌈>	In	115	240165.740	240165.740				ug/L
|	Sb	121	4554.498	0.019	0.755469	0.021	2.773	ug/L
⌊	Sb	123	3442.319	0.014	0.746377	0.012	1.589	ug/L
⌈	Tl	203	31.667	-0.000	-0.001062	0.001	78.830	ug/L
|	Tl	205	64.668	-0.000	-0.001247	0.000	16.129	ug/L
|	Pb	208	32415.278	0.096	1.362870	0.060	4.385	ug/L
⌊>	Bi	209	331113.537	331113.537				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.109
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.169
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	101.718
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.631

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.908

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	335231.531	335231.521		ug/L
	Be	9	1.000	-0.000	-0.002562	ug/L
	V	51	5266.188	0.011	0.358629	ug/L
	Cu	63	8072.940	0.032	2.022817	ug/L
	Cu	65	3854.078	0.015	2.013980	ug/L
	Zn	66	1800.245	0.007	1.645258	ug/L
	Zn	68	1822.251	0.006	2.106888	ug/L
>	Ge	72	245078.128	245078.128		ug/L
	As	75	1486.452	0.008	1.115637	ug/L
	Se	77	138.003	0.000	0.118515	ug/L
	Se	82	50.521	0.000	0.086429	ug/L
>	Rh	103	309811.852	309811.852		ug/L
	Ag	107	146.003	0.000	0.010888	ug/L
	Cd	111	23.871	0.000	0.012531	ug/L
	Cd	114	50.353	0.000	0.009871	ug/L
>	In	115	239857.581	239857.581		ug/L
	Sb	121	4498.481	0.018	0.746831	ug/L
	Sb	123	3483.837	0.014	0.758328	ug/L
	Tl	203	39.000	-0.000	-0.000208	ug/L
	Tl	205	85.001	-0.000	0.001347	ug/L
	Pb	208	31805.843	0.062	1.297144	ug/L
>	Bi	209	341852.582	341852.582		ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	337264.988	337264.988		ug/L
	Be	9	2.000	0.000	0.002121	ug/L
	V	51	5150.742	0.011	0.340680	ug/L
	Cu	63	8268.884	0.033	2.071268	ug/L
	Cu	65	3785.040	0.015	1.976136	ug/L
	Zn	66	1838.282	0.007	1.779814	ug/L
	Zn	68	1715.223	0.006	1.981648	ug/L
>	Ge	72	246082.948	246082.948		ug/L
	As	75	1486.321	0.008	1.114229	ug/L
	Se	77	132.003	0.000	0.056119	ug/L
	Se	82	54.458	0.000	0.039781	ug/L
>	Rh	103	304780.538	304780.538		ug/L
	Ag	107	170.004	0.001	0.020122	ug/L
	Cd	111	18.936	0.000	0.009814	ug/L
	Cd	114	51.734	0.000	0.010185	ug/L
>	In	115	238910.504	238910.504		ug/L
	Sb	121	4672.578	0.019	0.779388	ug/L
	Sb	123	3370.948	0.014	0.734813	ug/L
	Tl	203	25.000	-0.000	0.001882	ug/L
	Tl	205	61.001	-0.000	-0.001379	ug/L
	Pb	208	32883.000	0.100	1.413958	ug/L
>	Bi	209	323683.652	323683.652		ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	338783.388	338783.388		ug/L
	Be	9	3.000	0.000	0.008800	ug/L
	V	51	5465.500	0.012	0.373598	ug/L
	Cu	63	8145.723	0.032	2.026312	ug/L
	Cu	65	3831.066	0.015	1.981029	ug/L
	Zn	66	1859.261	0.007	1.684718	ug/L
	Zn	68	1751.232	0.006	1.987406	ug/L
>	Ge	72	246483.638	246483.638		ug/L
	As	75	1366.618	0.006	1.012137	ug/L
	Se	77	131.003	0.000	0.032681	ug/L
	Se	82	67.561	-0.000	0.055084	ug/L
>	Rh	103	298623.614	298623.614		ug/L
	Ag	107	166.004	0.001	0.022875	ug/L
	Cd	111	9.467	0.000	0.004942	ug/L
	Cd	114	51.590	0.000	0.010487	ug/L
>	In	115	241629.157	241629.157		ug/L
	Sb	121	4492.457	0.018	0.740388	ug/L
	Sb	123	3462.370	0.014	0.746192	ug/L
	Tl	203	31.000	-0.000	0.001086	ug/L
	Tl	205	68.001	-0.000	0.001016	ug/L
	Pb	208	32458.993	0.097	1.377508	ug/L
>	Bi	209	327804.378	327804.378		ug/L

: 00643

Sample Information

Sample ID: 1002144-02
Autosampler Position: 78
Sample Date/Time: Monday, February 22, 2010 21:53:37
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-02.092
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	343014.381	343014.381				ug/L
	Be	9	1.667	0.000	0.000406	0.003	661.158	ug/L
	V	51	2820.939	0.001	0.037334	0.009	23.004	ug/L
	Cu	63	1824.918	0.007	0.427476	0.019	4.404	ug/L
	Cu	65	998.746	0.004	0.490769	0.007	1.391	ug/L
	Zn	66	906.400	0.003	0.773351	0.045	5.845	ug/L
	Zn	68	971.743	0.003	0.967768	0.041	4.277	ug/L
>	Ge	72	245001.243	245001.243				ug/L
	As	75	27.292	-0.000	-0.014693	0.012	82.377	ug/L
	Se	77	127.002	0.000	0.010733	0.039	367.817	ug/L
	Se	82	-35.052	0.000	0.178367	0.109	61.165	ug/L
>	Rh	103	295469.818	295469.818				ug/L
	Ag	107	53.667	0.000	0.005183	0.001	24.566	ug/L
	Cd	111	4.780	0.000	0.002289	0.004	160.463	ug/L
	Cd	114	23.787	0.000	0.003731	0.000	7.651	ug/L
>	In	115	241969.118	241969.118				ug/L
	Sb	121	566.695	0.002	0.083946	0.004	4.995	ug/L
	Sb	123	416.261	0.002	0.081346	0.001	1.587	ug/L
	Tl	203	36.000	-0.000	-0.000351	0.000	86.727	ug/L
	Tl	205	79.335	-0.000	-0.000305	0.000	155.514	ug/L
	Pb	208	1911.785	0.004	0.060271	0.001	1.955	ug/L
>	Bi	209	324284.747	324284.747				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	94.745
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.426
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.971
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	99.372

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.848

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	340813.843	340813.843		ug/L
Be	9	2.000	0.000	0.002031	ug/L
V	51	2786.975	0.001	0.030427	ug/L
Cu	63	1675.285	0.007	0.437211	ug/L
Cu	65	1019.083	0.004	0.495125	ug/L
Zn	66	864.081	0.003	0.725818	ug/L
Zn	68	1013.082	0.003	1.014888	ug/L
Ge	72	246808.313	246808.313		ug/L
As	75	34.088	-0.000	-0.009616	ug/L
Se	77	125.002	-0.000	-0.018802	ug/L
Se	82	-16.324	0.000	0.303801	ug/L
Rh	103	298125.670	298125.670		ug/L
Ag	107	53.001	0.000	0.005071	ug/L
Cd	111	-0.941	0.000	-0.000853	ug/L
Cd	114	23.836	0.000	0.003732	ug/L
In	115	246284.320	246284.320		ug/L
Sb	121	605.033	0.002	0.088815	ug/L
Sb	123	430.388	0.002	0.082796	ug/L
Tl	203	39.000	-0.000	-0.000917	ug/L
Tl	205	87.001	0.000	0.000086	ug/L
Pb	208	1924.118	0.004	0.068432	ug/L
Bi	209	329858.745	329858.745		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342338.075	342338.075		ug/L
Be	9	1.000	-0.000	-0.002891	ug/L
V	51	2884.378	0.001	0.046950	ug/L
Cu	63	1662.299	0.007	0.439440	ug/L
Cu	65	986.078	0.004	0.489548	ug/L
Zn	66	940.077	0.003	0.815841	ug/L
Zn	68	939.071	0.003	0.937163	ug/L
Ge	72	242453.875	242453.875		ug/L
As	75	9.319	-0.000	-0.026525	ug/L
Se	77	130.002	0.000	0.056619	ug/L
Se	82	41.411	0.000	0.128380	ug/L
Rh	103	292786.384	292786.384		ug/L
Ag	107	63.001	0.000	0.008508	ug/L
Cd	111	3.418	0.000	0.001542	ug/L
Cd	114	22.408	0.000	0.003448	ug/L
In	115	240723.722	240723.722		ug/L
Sb	121	543.028	0.002	0.080502	ug/L
Sb	123	412.136	0.002	0.080826	ug/L
Tl	203	34.000	-0.000	-0.000813	ug/L
Tl	205	70.001	-0.000	-0.000841	ug/L
Pb	208	1884.121	0.004	0.056764	ug/L
Bi	209	323217.223	323217.223		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346190.228	346190.228		ug/L
Be	9	2.000	0.000	0.001877	ug/L
V	51	2811.464	0.001	0.034624	ug/L
Cu	63	1747.231	0.008	0.405777	ug/L
Cu	65	991.079	0.004	0.484639	ug/L
Zn	66	915.068	0.003	0.778182	ug/L
Zn	68	963.079	0.003	0.961283	ug/L
Ge	72	245940.841	245940.841		ug/L
As	75	38.488	-0.000	-0.008044	ug/L
Se	77	129.002	0.000	-0.004817	ug/L
Se	82	45.419	0.000	0.103211	ug/L
Rh	103	297488.499	297488.499		ug/L
Ag	107	45.001	0.000	0.003870	ug/L
Cd	111	11.863	0.000	0.005279	ug/L
Cd	114	25.117	0.000	0.004017	ug/L
In	115	238899.313	238899.313		ug/L
Sb	121	552.027	0.002	0.082720	ug/L
Sb	123	408.280	0.002	0.080318	ug/L
Tl	203	35.000	-0.000	0.000422	ug/L
Tl	205	81.001	-0.000	0.000141	ug/L
Pb	208	1917.118	0.004	0.061619	ug/L
Bi	209	319981.273	319981.273		ug/L

: 00645

Sample Information

Sample ID: 1002144-03
Autosampler Position: 79
Sample Date/Time: Monday, February 22, 2010 21:56:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-03.093
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	342879.998	342879.998				ug/L
⌊	Be	9	0.333	-0.000	-0.005829	0.003	45.570	ug/L
⌈	V	51	2964.686	0.002	0.058486	0.030	51.006	ug/L
|	Cu	63	5826.434	0.023	1.462409	0.023	1.564	ug/L
|	Cu	65	2768.564	0.011	1.448041	0.007	0.484	ug/L
|	Zn	66	1845.924	0.007	1.707417	0.054	3.180	ug/L
|	Zn	68	1730.560	0.006	2.005708	0.055	2.719	ug/L
|>	Ge	72	243679.233	243679.233				ug/L
|	As	75	76.167	0.000	0.023424	0.040	170.410	ug/L
|	Se	77	118.669	-0.000	-0.069335	0.085	123.304	ug/L
⌊	Se	82	-37.469	0.000	0.158522	0.172	108.789	ug/L
⌈>	Rh	103	293674.705	293674.705				ug/L
|	Ag	107	49.001	0.000	0.004586	0.001	22.311	ug/L
|	Cd	111	11.318	0.000	0.006061	0.002	30.213	ug/L
⌊	Cd	114	28.046	0.000	0.004823	0.002	46.723	ug/L
⌈>	In	115	239346.123	239346.123				ug/L
|	Sb	121	3429.524	0.014	0.568219	0.008	1.471	ug/L
⌊	Sb	123	2604.373	0.011	0.564411	0.012	2.052	ug/L
⌈	Tl	203	42.001	0.000	0.000493	0.001	245.943	ug/L
|	Tl	205	79.001	-0.000	-0.000314	0.001	218.407	ug/L
|	Pb	208	4431.244	0.012	0.170741	0.003	1.623	ug/L
⌊>	Bi	209	323382.917	323382.917				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.707
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.894
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.369
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.294

: 00646

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.576

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	342321.251	342321.251		ug/L
Be	9	0.000	-0.000	0.007382	ug/L
V	51	3186.562	0.003	0.092638	ug/L
Cu	63	5738.381	0.023	1.457397	ug/L
Cu	65	2732.550	0.011	1.446158	ug/L
Zn	66	1886.288	0.007	1.769183	ug/L
Zn	68	1753.233	0.006	2.064431	ug/L
Ge	72	240812.418	240812.418		ug/L
As	75	18.024	-0.000	-0.021587	ug/L
Se	77	115.002	0.000	0.092856	ug/L
Se	82	-45.380	0.000	0.086370	ug/L
Rh	103	296545.256	296545.256		ug/L
Ag	107	58.001	0.000	0.006757	ug/L
Cd	111	13.787	0.000	0.007405	ug/L
Cd	114	36.016	0.000	0.008724	ug/L
In	115	238278.017	238278.017		ug/L
Sb	121	3463.874	0.014	0.576584	ug/L
Sb	123	2541.848	0.010	0.653122	ug/L
Tl	203	53.001	0.000	0.001888	ug/L
Tl	205	88.001	0.000	0.000108	ug/L
Pb	208	4457.586	0.012	0.167553	ug/L
Bi	209	330882.624	330882.624		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	347823.388	347823.388		ug/L
Be	9	1.000	0.000	-0.002782	ug/L
V	51	2694.322	0.001	0.045300	ug/L
Cu	63	5980.582	0.024	1.487368	ug/L
Cu	65	2784.971	0.011	1.442170	ug/L
Zn	66	1842.256	0.007	1.685882	ug/L
Zn	68	1711.222	0.006	1.966627	ug/L
Ge	72	246064.663	246064.663		ug/L
As	75	116.698	0.000	0.054824	ug/L
Se	77	129.002	0.000	0.025457	ug/L
Se	82	-11.512	0.000	0.353439	ug/L
Rh	103	298182.038	298182.038		ug/L
Ag	107	44.001	0.000	0.003882	ug/L
Cd	111	7.748	0.000	0.003975	ug/L
Cd	114	18.111	0.000	0.002334	ug/L
In	115	236980.955	236980.955		ug/L
Sb	121	3395.841	0.014	0.568202	ug/L
Sb	123	2632.008	0.011	0.576260	ug/L
Tl	203	36.000	0.000	0.000290	ug/L
Tl	205	65.001	0.000	0.001106	ug/L
Pb	208	4424.581	0.012	0.172112	ug/L
Bi	209	320569.808	320569.808		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	338686.356	338686.356		ug/L
Be	9	0.000	-0.000	-0.007352	ug/L
V	51	2613.175	0.001	0.037518	ug/L
Cu	63	5760.378	0.023	1.442480	ug/L
Cu	65	2788.672	0.011	1.456788	ug/L
Zn	66	1809.247	0.007	1.667208	ug/L
Zn	68	1727.226	0.006	1.998058	ug/L
Ge	72	244170.619	244170.619		ug/L
As	75	93.778	0.000	0.037335	ug/L
Se	77	112.002	0.000	0.140603	ug/L
Se	82	-55.514	0.000	0.025758	ug/L
Rh	103	299316.623	299316.623		ug/L
Ag	107	45.001	0.000	0.004136	ug/L
Cd	111	12.438	0.000	0.006802	ug/L
Cd	114	30.010	0.000	0.006412	ug/L
In	115	242779.397	242779.397		ug/L
Sb	121	3428.857	0.014	0.559871	ug/L
Sb	123	2639.262	0.011	0.563650	ug/L
Tl	203	37.000	0.000	0.000121	ug/L
Tl	205	64.001	0.000	0.000058	ug/L
Pb	208	4411.586	0.012	0.172566	ug/L
Bi	209	318898.322	318898.322		ug/L

09647

Sample Information

Sample ID: 1002144-04
Autosampler Position: 80
Sample Date/Time: Monday, February 22, 2010 22:00:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-04.094
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	340735.668	340735.668				ug/L
⌊	Be	9	2.667	0.000	0.005176	0.006	106.490	ug/L
⌈	V	51	7572.405	0.021	0.670244	0.019	2.894	ug/L
|	Cu	63	1251.122	0.004	0.282861	0.010	3.707	ug/L
|	Cu	65	598.031	0.002	0.278625	0.019	6.712	ug/L
|	Zn	66	1076.092	0.004	0.948837	0.038	4.003	ug/L
|	Zn	68	1005.081	0.003	1.023864	0.043	4.239	ug/L
|>	Ge	72	243005.894	243005.894				ug/L
|	As	75	670.007	0.003	0.489684	0.047	9.609	ug/L
|	Se	77	134.669	0.000	0.101267	0.059	58.217	ug/L
⌊	Se	82	-44.823	0.000	0.103079	0.075	72.457	ug/L
⌈>	Rh	103	303733.931	303733.931				ug/L
|	Ag	107	32.667	0.000	0.002235	0.000	20.204	ug/L
|	Cd	111	4.959	0.000	0.002327	0.001	29.093	ug/L
⌊	Cd	114	16.793	0.000	0.001905	0.001	53.843	ug/L
⌈>	In	115	239039.393	239039.393				ug/L
|	Sb	121	291.676	0.001	0.038675	0.002	4.444	ug/L
⌊	Sb	123	225.129	0.001	0.040343	0.003	8.579	ug/L
⌈	Tl	203	25.334	-0.000	-0.001892	0.000	23.795	ug/L
|	Tl	205	68.334	-0.000	-0.000994	0.000	44.040	ug/L
|	Pb	208	3939.464	0.010	0.146764	0.004	2.988	ug/L
⌊>	Bi	209	328143.940	328143.940				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.115
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.624
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	101.739
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.168

: 30648

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.012

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	338712.122	338712.122		ug/L
	Be	9	2.000	0.000	0.002081	ug/L
	V	51	7607.929	0.021	0.863043	ug/L
	Cu	63	1221.117	0.004	0.271342	ug/L
	Cu	65	565.029	0.002	0.257089	ug/L
	Zn	66	1088.084	0.004	0.948868	ug/L
	Zn	68	1063.088	0.003	1.072867	ug/L
>	Ge	72	245883.931	245883.931		ug/L
	As	75	622.212	0.002	0.446337	ug/L
	Se	77	132.003	0.000	0.057274	ug/L
	Se	82	37.474	0.000	0.181773	ug/L
>	Rh	103	303790.671	303790.671		ug/L
	Ag	107	34.000	0.000	0.002406	ug/L
	Cd	111	4.863	0.000	0.002270	ug/L
	Cd	114	18.639	0.000	0.002348	ug/L
>	In	115	241891.844	241891.844		ug/L
	Sb	121	288.008	0.001	0.038676	ug/L
	Sb	123	217.880	0.001	0.036146	ug/L
	Tl	203	30.000	-0.000	-0.001374	ug/L
	Tl	205	67.001	-0.000	-0.001208	ug/L
	Pb	208	3956.473	0.010	0.141971	ug/L
>	Bi	209	339242.428	339242.428		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	338433.362	338433.362		ug/L
	Be	9	4.000	0.000	0.011540	ug/L
	V	51	7653.083	0.021	0.692214	ug/L
	Cu	63	1247.121	0.006	0.286391	ug/L
	Cu	65	608.032	0.002	0.268147	ug/L
	Zn	66	1102.086	0.004	0.986761	ug/L
	Zn	68	983.077	0.003	1.008184	ug/L
>	Ge	72	240308.874	240308.874		ug/L
	As	75	654.321	0.003	0.482984	ug/L
	Se	77	131.003	0.000	0.078274	ug/L
	Se	82	-56.529	0.000	0.019010	ug/L
>	Rh	103	306189.083	306189.083		ug/L
	Ag	107	29.000	0.000	0.001723	ug/L
	Cd	111	3.827	0.000	0.001680	ug/L
	Cd	114	19.993	0.000	0.002534	ug/L
>	In	115	235378.587	235378.587		ug/L
	Sb	121	287.008	0.001	0.038637	ug/L
	Sb	123	239.829	0.001	0.044333	ug/L
	Tl	203	23.000	-0.000	-0.002184	ug/L
	Tl	205	53.001	-0.000	-0.001288	ug/L
	Pb	208	4001.479	0.011	0.150678	ug/L
>	Bi	209	325867.230	325867.230		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	345081.520	345081.520		ug/L
	Be	9	2.000	0.000	0.001807	ug/L
	V	51	7468.222	0.020	0.656474	ug/L
	Cu	63	1285.126	0.006	0.291851	ug/L
	Cu	65	620.033	0.002	0.290848	ug/L
	Zn	66	1037.088	0.004	0.910791	ug/L
	Zn	68	979.077	0.003	0.989710	ug/L
>	Ge	72	242824.877	242824.877		ug/L
	As	75	733.487	0.003	0.539731	ug/L
	Se	77	141.003	0.000	0.168254	ug/L
	Se	82	41.466	0.000	0.128464	ug/L
>	Rh	103	301242.040	301242.040		ug/L
	Ag	107	35.000	0.000	0.002578	ug/L
	Cd	111	8.187	0.000	0.003031	ug/L
	Cd	114	11.748	0.000	0.000732	ug/L
>	In	115	239850.749	239850.749		ug/L
	Sb	121	303.008	0.001	0.040413	ug/L
	Sb	123	217.880	0.001	0.036560	ug/L
	Tl	203	23.000	-0.000	-0.002119	ug/L
	Tl	205	75.001	-0.000	-0.000491	ug/L
	Pb	208	3857.438	0.010	0.147745	ug/L
>	Bi	209	319332.184	319332.184		ug/L

: 00649

Sample Information

Sample ID: 1002144-05
Autosampler Position: 81
Sample Date/Time: Monday, February 22, 2010 22:03:22
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-05.095
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	343636.890	343636.890				ug/L
	Be	9	2.333	0.000	0.003481	0.003	73.852	ug/L
	V	51	2660.489	0.001	0.016575	0.017	101.610	ug/L
	Cu	63	826.389	0.003	0.171380	0.002	0.917	ug/L
	Cu	65	419.350	0.001	0.180268	0.006	3.279	ug/L
	Zn	66	1821.251	0.007	1.674736	0.068	4.050	ug/L
	Zn	68	1445.828	0.005	1.610364	0.073	4.512	ug/L
>	Ge	72	244750.763	244750.763				ug/L
	As	75	88.656	0.000	0.033093	0.031	92.996	ug/L
	Se	77	140.669	0.000	0.152954 Not needed	0.074	48.658	ug/L
	Se	82	-14.140	0.000	0.334110	0.164	49.023	ug/L
>	Rh	103	299165.103	299165.103				ug/L
	Ag	107	29.334	0.000	0.001858	0.000	24.673	ug/L
	Cd	111	5.444	0.000	0.002645	0.003	97.447	ug/L
	Cd	114	9.974	0.000	0.000316	0.001	326.133	ug/L
>	In	115	239493.983	239493.983				ug/L
	Sb	121	169.004	0.000	0.017893	0.002	8.434	ug/L
	Sb	123	144.751	0.000	0.022526	0.001	5.733	ug/L
	Tl	203	36.667	-0.000	-0.000306	0.002	504.199	ug/L
	Tl	205	95.335	0.000	0.000562	0.001	135.859	ug/L
	Pb	208	2111.477	0.005	0.067742	0.002	2.318	ug/L
>	Bi	209	328745.541	328745.541				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	94.917
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.325
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.208
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.355

Sample ID: 1002144-05
Report Date/Time: Monday, February 22, 2010 22:05:10

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.194

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	347381 503	347381 503		ug/L
Be	9	3 000	0 000	0 008448	ug/L
V	51	2819 252	0 000	0 008526	ug/L
Cu	63	833 067	0 003	0 171483	ug/L
Cu	65	422 017	0 001	0 179984	ug/L
Zn	66	1851 258	0 007	1 690623	ug/L
Zn	68	1412 154	0 005	1 550256	ug/L
Ge	72	246806 209	246806 209		ug/L
As	75	117 224	0 000	0 064726	ug/L
Se	77	149 003	0 000	0 227856	ug/L
Se	82	-35 670	0 000	0 175856	ug/L
Rh	103	303756 209	303756 209		ug/L
Ag	107	27 000	0 000	0 001491	ug/L
Cd	111	4 288	0 000	0 001952	ug/L
Cd	114	13 471	0 000	0 001119	ug/L
In	115	239981 221	239981 221		ug/L
Sb	121	181 003	0 000	0 016486	ug/L
Sb	123	148 826	0 000	0 023311	ug/L
Tl	203	26 000	-0 000	0 001871	ug/L
Tl	205	97 002	0 000	0 000646	ug/L
Pb	208	2113.143	0 006	0 055638	ug/L
Bi	209	335804 438	335804 438		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	339822 886	339822 886		ug/L
Be	9	2 000	0 000	0 002066	ug/L
V	51	2564 797	0 000	0 005269	ug/L
Cu	63	829 056	0 003	0 172687	ug/L
Cu	65	407 016	0 001	0 174498	ug/L
Zn	66	1873 264	0 007	1 733204	ug/L
Zn	68	1425 156	0 006	1 589716	ug/L
Ge	72	243798 248	243798 248		ug/L
As	75	105 606	0 000	0 046690	ug/L
Se	77	140 003	0 000	0 151991	ug/L
Se	82	8 677	0 000	0 502927	ug/L
Rh	103	297166 458	297166 458		ug/L
Ag	107	33 000	0 000	0 002372	ug/L
Cd	111	1 599	0 000	0 000484	ug/L
Cd	114	11 362	0 000	0 000677	ug/L
In	115	241012 705	241012 705		ug/L
Sb	121	168 004	0 000	0 017708	ug/L
Sb	123	138 877	0 000	0 021038	ug/L
Tl	203	47 001	0 000	0 001208	ug/L
Tl	205	81 001	0 000	0 000194	ug/L
Pb	208	2102 142	0 005	0 058758	ug/L
Bi	209	323488 541	323488 541		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	343998 282	343998 282		ug/L
Be	9	2 000	0 000	0 001938	ug/L
V	51	2787 418	0 001	0 036831	ug/L
Cu	63	817 056	0 003	0 169781	ug/L
Cu	65	429 017	0 001	0 185311	ug/L
Zn	66	1736 229	0 007	1 600380	ug/L
Zn	68	1500 173	0 006	1 691117	ug/L
Ge	72	243846 832	243846 832		ug/L
As	75	43 139	-0 000	-0 002139	ug/L
Se	77	133 003	0 000	0 079015	ug/L
Se	82	-15 426	0 000	0 323642	ug/L
Rh	103	296574 641	296574 641		ug/L
Ag	107	28 000	0 000	0 001711	ug/L
Cd	111	10 446	0 000	0 008487	ug/L
Cd	114	5 089	-0 000	0 000847	ug/L
In	115	237508 023	237508 023		ug/L
Sb	121	177 004	0 000	0 019488	ug/L
Sb	123	146.751	0 000	0 023232	ug/L
Tl	203	37 000	0 000	-0 000253	ug/L
Tl	205	108 002	0 000	0 001533	ug/L
Pb	208	2116 145	0 006	0 058502	ug/L
Bi	209	327133 648	327133 648		ug/L

: 00651

Sample Information

Sample ID: 1002144-06
Autosampler Position: 82
Sample Date/Time: Monday, February 22, 2010 22:06:37
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-06.096
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	343928.033	343928.033				ug/L
⌊	Be	9	1.667	0.000	0.000327	0.007	2146.395	ug/L
⌈	V	51	3906.063	0.006	0.182704	0.013	6.970	ug/L
|	Cu	63	656.370	0.002	0.128393	0.002	1.896	ug/L
⌈	Cu	65	319.677	0.001	0.127561	0.012	9.119	ug/L
|	Zn	66	973.743	0.004	0.844563	0.030	3.566	ug/L
|	Zn	68	851.726	0.002	0.811571	0.045	5.577	ug/L
|>	Ge	72	243742.587	243742.587				ug/L
|	As	75	120.343	0.000	0.058277	0.010	16.799	ug/L
|	Se	77	120.002	-0.000	-0.055460	0.070	125.623	ug/L
⌊	Se	82	-42.081	0.000	0.125827	0.093	73.642	ug/L
⌈>	Rh	103	296621.594	296621.594				ug/L
|	Ag	107	28.000	0.000	0.001711	0.001	41.839	ug/L
|	Cd	111	5.928	0.000	0.002935	0.002	71.477	ug/L
⌊	Cd	114	5.991	-0.000	-0.000629	0.001	123.354	ug/L
⌈>	In	115	240518.161	240518.161				ug/L
|	Sb	121	149.336	0.000	0.014456	0.001	9.741	ug/L
⌊	Sb	123	130.457	0.000	0.019245	0.002	12.173	ug/L
⌈	Tl	203	23.000	-0.000	-0.002199	0.001	49.066	ug/L
|	Tl	205	59.001	-0.000	-0.001543	0.000	29.762	ug/L
|	Pb	208	1283.724	0.002	0.032187	0.001	2.599	ug/L
⌊>	Bi	209	328302.126	328302.126				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.997
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.920
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.356
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.776

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.060

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348811.258	348811.258		ug/L
Be	9	3.000	0.000	0.006393	ug/L
V	51	3950.018	0.008	0.197000	ug/L
Cu	63	640.036	0.002	0.126804	ug/L
Cu	65	331.011	0.001	0.136614	ug/L
Zn	66	966.076	0.004	0.872539	ug/L
Zn	68	808.064	0.002	0.770613	ug/L
Ge	72	239783.991	239783.991		ug/L
As	75	121.675	0.000	0.060987	ug/L
Se	77	120.002	0.000	0.034923	ug/L
Se	82	-31.325	0.000	0.201266	ug/L
Rh	103	296215.174	296215.174		ug/L
Ag	107	34.000	0.000	0.002520	ug/L
Cd	111	1.675	0.000	0.000532	ug/L
Cd	114	4.281	-0.000	-0.001040	ug/L
In	115	243121.380	243121.380		ug/L
Sb	121	158.003	0.000	0.015634	ug/L
Sb	123	136.373	0.000	0.020229	ug/L
Tl	203	15.000	0.000	0.003348	ug/L
Tl	205	53.001	-0.000	-0.001847	ug/L
Pb	208	1283.058	0.002	0.031244	ug/L
Bi	209	333772.508	333772.508		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339532.747	339532.747		ug/L
Be	9	0.000	-0.000	0.007362	ug/L
V	51	3846.370	0.008	0.172579	ug/L
Cu	63	670.038	0.002	0.131202	ug/L
Cu	65	329.011	0.001	0.131758	ug/L
Zn	66	982.077	0.004	0.848484	ug/L
Zn	68	891.084	0.003	0.860181	ug/L
Ge	72	244787.542	244787.542		ug/L
As	75	131.387	0.000	0.068419	ug/L
Se	77	113.002	-0.000	-0.133080	ug/L
Se	82	38.380	0.000	0.153788	ug/L
Rh	103	297981.203	297981.203		ug/L
Ag	107	24.000	0.000	0.001180	ug/L
Cd	111	8.553	0.000	0.004402	ug/L
Cd	114	9.698	0.000	0.000298	ug/L
In	115	238791.075	238791.075		ug/L
Sb	121	139.003	0.000	0.012998	ug/L
Sb	123	117.373	0.000	0.016670	ug/L
Tl	203	24.000	-0.000	-0.002038	ug/L
Tl	205	67.001	-0.000	-0.001043	ug/L
Pb	208	1287.087	0.002	0.032840	ug/L
Bi	209	325266.179	325266.179		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343440.098	343440.098		ug/L
Be	9	2.000	0.000	0.001951	ug/L
V	51	3921.800	0.008	0.178533	ug/L
Cu	63	658.037	0.002	0.127072	ug/L
Cu	65	299.009	0.001	0.114413	ug/L
Zn	66	953.073	0.003	0.812988	ug/L
Zn	68	856.080	0.002	0.803840	ug/L
Ge	72	246666.229	246666.229		ug/L
As	75	107.785	0.000	0.047415	ug/L
Se	77	127.002	0.000	0.001633	ug/L
Se	82	-58.537	0.000	0.022403	ug/L
Rh	103	295698.404	295698.404		ug/L
Ag	107	26.000	0.000	0.001453	ug/L
Cd	111	7.553	0.000	0.003871	ug/L
Cd	114	3.982	-0.000	-0.001114	ug/L
In	115	239842.027	239842.027		ug/L
Sb	121	151.003	0.000	0.014838	ug/L
Sb	123	137.625	0.000	0.020934	ug/L
Tl	203	30.000	-0.000	0.001208	ug/L
Tl	205	57.001	0.000	0.001838	ug/L
Pb	208	1261.067	0.002	0.032476	ug/L
Bi	209	325867.692	325867.692		ug/L

: 00653

Sample Information

Sample ID: 1002144-07
Autosampler Position: 83
Sample Date/Time: Monday, February 22, 2010 22:09:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-07.097
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	348144.747	348144.747				ug/L
	Be	9	1.667	0.000	0.000264	0.007	2635.470	ug/L
	V	51	3759.072	0.005	0.161546	0.004	2.744	ug/L
	Cu	63	1018.083	0.004	0.220873	0.013	5.807	ug/L
	Cu	65	468.353	0.002	0.206752	0.013	6.262	ug/L
	Zn	66	1112.431	0.004	0.977915	0.033	3.376	ug/L
	Zn	68	1019.750	0.003	1.035451	0.032	3.094	ug/L
>	Ge	72	244544.496	244544.496				ug/L
	As	75	314.451	0.001	0.209209	0.015	7.073	ug/L
	Se	77	123.669	-0.000	-0.021659	0.128	589.835	ug/L
	Se	82	-52.917	0.000	0.045490	0.194	426.927	ug/L
>	Rh	103	298326.342	298326.342				ug/L
	Ag	107	25.334	0.000	0.001331	0.001	76.346	ug/L
	Cd	111	5.468	0.000	0.002679	0.004	131.548	ug/L
	Cd	114	10.523	0.000	0.000487	0.001	207.816	ug/L
>	In	115	241988.421	241988.421				ug/L
	Sb	121	202.005	0.001	0.023106	0.002	6.767	ug/L
	Sb	123	141.917	0.000	0.021582	0.002	8.388	ug/L
	Tl	203	25.000	-0.000	-0.001956	0.001	37.742	ug/L
	Tl	205	66.334	-0.000	-0.001145	0.000	22.026	ug/L
	Pb	208	1245.387	0.002	0.030153	0.002	7.679	ug/L
>	Bi	209	330800.534	330800.534				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	96.162
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.242
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.928
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	99.379

: 00654

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.814

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	345667.320	345667.320		ug/L
Be	9	2.000	0.000	0.001881	ug/L
V	51	3728.783	0.006	0.156488	ug/L
Cu	63	984.075	0.003	0.208429	ug/L
Cu	65	462.030	0.002	0.202852	ug/L
Zn	66	1105.087	0.004	0.988237	ug/L
Zn	68	1026.084	0.003	1.040844	ug/L
Ge	72	245070.678	245070.678		ug/L
As	75	322.774	0.001	0.215116	ug/L
Se	77	136.003	0.000	0.123781	ug/L
Se	82	-77.087	-0.000	-0.139815	ug/L
Rh	103	295468.880	295468.880		ug/L
Ag	107	23.000	0.000	0.001052	ug/L
Cd	111	12.594	0.000	0.006740	ug/L
Cd	114	13.244	0.000	0.001153	ug/L
In	115	242988.443	242988.443		ug/L
Sb	121	192.006	0.001	0.021301	ug/L
Sb	123	133.626	0.000	0.019849	ug/L
Tl	203	27.000	-0.000	-0.001782	ug/L
Tl	205	63.001	-0.000	-0.001419	ug/L
Pb	208	1211.051	0.002	0.027646	ug/L
Bi	209	338024.672	338024.672		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	346680.779	346650.779		ug/L
Be	9	0.000	0.000	-0.007362	ug/L
V	51	3750.460	0.006	0.163329	ug/L
Cu	63	1051.088	0.004	0.230833	ug/L
Cu	65	446.018	0.001	0.196205	ug/L
Zn	66	1143.103	0.004	1.014892	ug/L
Zn	68	1035.086	0.003	1.064387	ug/L
Ge	72	243108.211	243108.211		ug/L
As	75	328.587	0.001	0.220141	ug/L
Se	77	118.002	0.000	0.073020	ug/L
Se	82	-55.545	0.000	0.023718	ug/L
Rh	103	300378.784	300378.784		ug/L
Ag	107	34.000	0.000	0.002487	ug/L
Cd	111	1.498	0.000	0.000418	ug/L
Cd	114	5.999	-0.000	-0.000844	ug/L
In	115	242882.817	242882.817		ug/L
Sb	121	208.006	0.001	0.023978	ug/L
Sb	123	143.751	0.000	0.021880	ug/L
Tl	203	19.000	-0.000	-0.002772	ug/L
Tl	205	70.001	-0.000	-0.000823	ug/L
Pb	208	1260.058	0.002	0.030939	ug/L
Bi	209	329638.904	329638.904		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	352128.141	352128.141		ug/L
Be	9	3.000	0.000	0.008353	ug/L
V	51	3797.884	0.006	0.164808	ug/L
Cu	63	1039.088	0.004	0.226298	ug/L
Cu	65	497.022	0.002	0.221200	ug/L
Zn	66	1088.084	0.004	0.960817	ug/L
Zn	68	988.080	0.003	1.001020	ug/L
Ge	72	245456.589	245456.589		ug/L
As	75	293.982	0.001	0.192370	ug/L
Se	77	115.002	-0.000	-0.115730	ug/L
Se	82	-25.520	0.000	0.249888	ug/L
Rh	103	299144.572	299144.572		ug/L
Ag	107	19.000	0.000	0.000482	ug/L
Cd	111	2.313	0.000	0.000879	ug/L
Cd	114	12.326	0.000	0.000882	ug/L
In	115	240084.004	240084.004		ug/L
Sb	121	208.006	0.001	0.024041	ug/L
Sb	123	148.374	0.000	0.023238	ug/L
Tl	203	29.000	0.000	-0.001334	ug/L
Tl	205	66.001	0.000	0.001098	ug/L
Pb	208	1265.054	0.002	0.031972	ug/L
Bi	209	324740.026	324740.026		ug/L

: 00655

Sample Information

Sample ID: 1002144-08
Autosampler Position: 84
Sample Date/Time: Monday, February 22, 2010 22:13:08
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-08.098
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	345894.049	345894.049				ug/L
[	Be	9	7.333	0.000	0.026521	0.016	61.296	ug/L
[	V	51	11450.293	0.036	1.159996	0.009	0.746	ug/L
[	Cu	63	2101.997	0.008	0.494398	0.013	2.627	ug/L
[	Cu	65	1034.419	0.004	0.505810	0.031	6.118	ug/L
[	Zn	66	2633.178	0.010	2.451288	0.017	0.693	ug/L
[	Zn	68	2243.042	0.008	2.659889	0.149	5.591	ug/L
[>	Ge	72	246948.544	246948.544				ug/L
[	As	75	380.270	0.001	0.257661	0.040	15.601	ug/L
[	Se	77	130.002	0.000	0.031511	0.077	245.052	ug/L
[	Se	82	-55.769	0.000	0.028716	0.034	118.520	ug/L
[>	Rh	103	295671.359	295671.359				ug/L
[	Ag	107	44.001	0.000	0.003868	0.001	34.659	ug/L
[	Cd	111	27.910	0.000	0.015447	0.003	18.786	ug/L
[	Cd	114	19.882	0.000	0.002759	0.002	88.075	ug/L
[>	In	115	239973.606	239973.606				ug/L
[	Sb	121	240.673	0.001	0.029894	0.001	4.018	ug/L
[	Sb	123	180.876	0.001	0.030381	0.004	14.212	ug/L
[	Tl	203	60.668	0.000	0.003028	0.001	35.676	ug/L
[	Tl	205	126.002	0.000	0.002369	0.001	26.996	ug/L
[	Pb	208	8850.572	0.025	0.359080	0.013	3.748	ug/L
[>	Bi	209	327644.189	327644.189				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	95.540
[	Be	9.012	
[	V	50.944	
[	Cu	62.930	
[	Cu	64.928	
[	Zn	65.926	
[	Zn	67.925	
[>	Ge	71.922	99.208
[	As	74.922	
[	Se	76.920	
[	Se	81.917	
[>	Rh	102.905	99.038
[	Ag	106.905	
[	Cd	110.904	
[	Cd	113.904	
[>	In	114.904	98.552

: 00656

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.861

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	344844.406	344844.406		ug/L
Be	9	11.000	0.000	0.043652	ug/L
V	51	11382.449	0.036	1.169877	ug/L
Cu	63	2127.338	0.008	0.508648	ug/L
Cu	65	1078.092	0.004	0.537844	ug/L
Zn	66	2809.503	0.010	2.466010	ug/L
Zn	68	2097.329	0.008	2.508364	ug/L
Ge	72	243418.483	243418.483		ug/L
As	75	368.877	0.001	0.252913	ug/L
Se	77	134.003	0.000	0.091866	ug/L
Se	82	50.404	0.000	0.062574	ug/L
Rh	103	298788.343	298788.343		ug/L
Ag	107	46.001	0.000	0.004077	ug/L
Cd	111	27.130	0.000	0.014833	ug/L
Cd	114	28.161	0.000	0.004727	ug/L
In	115	238338.608	238338.608		ug/L
Sb	121	298.008	0.001	0.029720	ug/L
Sb	123	181.628	0.001	0.026409	ug/L
Tl	203	53.001	0.000	0.001821	ug/L
Tl	205	141.003	0.000	0.003089	ug/L
Pb	208	8982.301	0.026	0.397530	ug/L
Bi	209	333794.501	333794.501		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	350239.688	350239.688		ug/L
Be	9	7.000	0.000	0.024601	ug/L
V	51	11543.106	0.036	1.184563	ug/L
Cu	63	2082.324	0.008	0.483124	ug/L
Cu	65	980.079	0.004	0.475834	ug/L
Zn	66	2644.516	0.010	2.432278	ug/L
Zn	68	2276.386	0.008	2.670078	ug/L
Ge	72	249846.984	249846.984		ug/L
As	75	335.632	0.001	0.220048	ug/L
Se	77	123.002	-0.000	-0.055508	ug/L
Se	82	56.349	0.000	0.029068	ug/L
Rh	103	292988.303	292988.303		ug/L
Ag	107	33.000	0.000	0.002435	ug/L
Cd	111	33.185	0.000	0.018607	ug/L
Cd	114	8.633	0.000	0.000043	ug/L
In	115	240893.949	240893.949		ug/L
Sb	121	235.006	0.001	0.029788	ug/L
Sb	123	202.501	0.001	0.034977	ug/L
Tl	203	67.001	0.000	0.003903	ug/L
Tl	205	116.002	0.000	0.001813	ug/L
Pb	208	8554.086	0.024	0.348468	ug/L
Bi	209	327397.328	327397.328		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	342598.062	342598.062		ug/L
Be	9	4.000	0.000	0.011310	ug/L
V	51	11448.324	0.036	1.156448	ug/L
Cu	63	2098.329	0.008	0.491472	ug/L
Cu	65	1004.088	0.004	0.503987	ug/L
Zn	66	2648.518	0.010	2.456575	ug/L
Zn	68	2356.412	0.008	2.803239	ug/L
Ge	72	247583.156	247583.156		ug/L
As	75	436.402	0.002	0.300021	ug/L
Se	77	133.003	0.000	0.058172	ug/L
Se	82	60.553	-0.000	-0.005491	ug/L
Rh	103	296275.431	296275.431		ug/L
Ag	107	53.001	0.000	0.005081	ug/L
Cd	111	23.418	0.000	0.012901	ug/L
Cd	114	22.851	0.000	0.003508	ug/L
In	115	240887.280	240887.280		ug/L
Sb	121	248.007	0.001	0.031173	ug/L
Sb	123	178.500	0.001	0.029757	ug/L
Tl	203	62.001	0.000	0.003361	ug/L
Tl	205	119.002	0.000	0.002083	ug/L
Pb	208	9018.350	0.026	0.373244	ug/L
Bi	209	321740.741	321740.741		ug/L

00657

Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 22, 2010 22:16:22
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.099
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	339798.528	339798.528				ug/L
[	Be	9	7976.197	0.023	37.538585	0.680	1.812	ug/L
[	V	51	284249.454	1.167	37.577661	0.492	1.310	ug/L
|	Cu	63	151945.696	0.629	39.521684	0.289	0.732	ug/L
|	Cu	65	72130.433	0.298	39.204229	0.467	1.191	ug/L
|	Zn	66	38496.513	0.159	38.303333	0.823	2.149	ug/L
|	Zn	68	28274.469	0.116	38.392928	0.466	1.214	ug/L
|>	Ge	72	241508.676	241508.676				ug/L
|	As	75	49952.416	0.207	39.382174	0.556	1.411	ug/L
|	Se	77	3773.701	0.015	38.269818	0.513	1.340	ug/L
[	Se	82	4986.221	0.021	37.921302	1.554	4.098	ug/L
[>	Rh	103	292411.719	292411.719				ug/L
|	Ag	107	284257.379	0.972	38.622729	0.264	0.682	ug/L
|	Cd	111	65650.653	0.225	37.718570	0.884	2.345	ug/L
[	Cd	114	153119.552	0.524	37.861209	0.490	1.294	ug/L
[>	In	115	237562.620	237562.620				ug/L
|	Sb	121	213102.594	0.897	36.235951	1.394	3.848	ug/L
[	Sb	123	163439.703	0.688	36.278149	1.508	4.156	ug/L
[	Tl	203	274874.237	0.847	38.448645	0.574	1.493	ug/L
|	Tl	205	649065.260	1.999	38.269026	0.227	0.592	ug/L
|	Pb	208	868107.646	2.673	37.806722	0.084	0.221	ug/L
[>	Bi	209	324619.026	324619.026				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	93.856
[	Be	9.012	
[	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.022
|	As	74.922	
|	Se	76.920	
[	Se	81.917	
[>	Rh	102.905	97.946
|	Ag	106.905	
|	Cd	110.904	
[	Cd	113.904	
[>	In	114.904	97.562

: 00658

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.949

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	334618.783	334618.783		ug/L
Be	9	8019.580	0.024	38.321188	ug/L
V	51	289984.783	1.169	37.649193	ug/L
Cu	63	153432.923	0.623	39.192524	ug/L
Cu	65	72504.880	0.295	38.888240	ug/L
Zn	66	38248.514	0.156	37.365633	ug/L
Zn	68	28480.853	0.116	37.974620	ug/L
Ge	72	245899.461	245899.461		ug/L
As	75	50053.782	0.203	38.781056	ug/L
Se	77	3787.042	0.018	37.666298	ug/L
Se	82	4861.518	0.020	38.241882	ug/L
Rh	103	294612.881	294612.881		ug/L
Ag	107	288431.050	0.979	38.897254	ug/L
Cd	111	66526.981	0.222	37.356056	ug/L
Cd	114	153986.874	0.523	37.789678	ug/L
In	115	241222.456	241222.456		ug/L
Sb	121	208870.970	0.857	34.630388	ug/L
Sb	123	158652.671	0.668	34.669306	ug/L
Tl	203	275071.130	0.836	37.979098	ug/L
Tl	205	653044.980	1.988	38.008593	ug/L
Pb	208	879870.663	2.674	37.828003	ug/L
Bi	209	328832.042	328832.042		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343285.943	343285.943		ug/L
Be	9	7987.343	0.023	37.204211	ug/L
V	51	278493.998	1.150	37.053532	ug/L
Cu	63	151408.384	0.630	39.637327	ug/L
Cu	65	72427.088	0.302	39.819833	ug/L
Zn	66	38586.327	0.160	38.636781	ug/L
Zn	68	28032.178	0.118	38.308841	ug/L
Ge	72	239934.568	239934.568		ug/L
As	75	49904.388	0.208	39.596883	ug/L
Se	77	3765.030	0.015	38.432442	ug/L
Se	82	4984.512	0.021	38.213604	ug/L
Rh	103	288184.783	288184.783		ug/L
Ag	107	279985.705	0.971	38.599183	ug/L
Cd	111	66444.953	0.231	38.726089	ug/L
Cd	114	153008.193	0.531	38.383017	ug/L
In	115	235558.661	235558.661		ug/L
Sb	121	215443.978	0.914	36.933388	ug/L
Sb	123	163132.953	0.692	36.505980	ug/L
Tl	203	276561.053	0.861	39.088684	ug/L
Tl	205	644866.767	2.007	38.420224	ug/L
Pb	208	860857.697	2.678	37.877620	ug/L
Bi	209	321230.524	321230.524		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	341480.878	341480.878		ug/L
Be	9	7821.469	0.023	37.090378	ug/L
V	51	284289.670	1.181	38.030258	ug/L
Cu	63	150996.782	0.632	39.736201	ug/L
Cu	65	71458.383	0.299	39.283615	ug/L
Zn	66	38654.686	0.161	38.907575	ug/L
Zn	68	28310.275	0.118	38.695323	ug/L
Ge	72	238691.977	238691.977		ug/L
As	75	49899.098	0.209	39.798784	ug/L
Se	77	3769.032	0.015	38.681755	ug/L
Se	82	5112.636	0.022	39.308319	ug/L
Rh	103	294427.474	294427.474		ug/L
Ag	107	284355.383	0.986	38.371739	ug/L
Cd	111	64960.043	0.221	37.070587	ug/L
Cd	114	152356.568	0.517	37.410931	ug/L
In	115	235908.742	235908.742		ug/L
Sb	121	216982.834	0.920	37.144079	ug/L
Sb	123	168533.485	0.714	37.668181	ug/L
Tl	203	272990.529	0.843	38.278273	ug/L
Tl	205	649294.032	2.006	38.378282	ug/L
Pb	208	863794.547	2.686	37.714544	ug/L
Bi	209	323794.512	323794.512		ug/L

: 00659

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 22:24:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.100
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	334656.631	334656.631				ug/L
	Be	9	1.333	-0.000	-0.000978	0.006	565.310	ug/L
	V	51	2248.830	-0.001	-0.034092	0.005	15.626	ug/L
	Cu	63	175.004	0.000	0.004553	0.002	54.091	ug/L
	Cu	65	91.001	0.000	0.004537	0.004	91.998	ug/L
	Zn	66	148.670	0.000	0.029686	0.015	51.101	ug/L
	Zn	68	291.342	0.000	0.054176	0.010	19.186	ug/L
>	Ge	72	241882.648	241882.648				ug/L
	As	75	-30.554	-0.000	-0.059970	0.011	18.800	ug/L
	Se	77	125.336	0.000	0.009804	0.072	729.742	ug/L
	Se	82	-47.422	0.000	0.083099	0.141	169.706	ug/L
>	Rh	103	294329.831	294329.831				ug/L
	Ag	107	50.667	0.000	0.004799	0.001	14.362	ug/L
	Cd	111	1.406	0.000	0.000385	0.001	307.330	ug/L
	Cd	114	11.494	0.000	0.000740	0.001	109.536	ug/L
>	In	115	237684.167	237684.167				ug/L
	Sb	121	532.025	0.002	0.079782	0.005	6.151	ug/L
	Sb	123	395.845	0.001	0.078445	0.007	9.272	ug/L
	Tl	203	32.000	-0.000	-0.000812	0.001	78.199	ug/L
	Tl	205	84.001	0.000	0.000081	0.001	880.161	ug/L
	Pb	208	1493.742	0.003	0.043456	0.003	5.782	ug/L
>	Bi	209	317335.876	317335.876				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	92.436
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.173
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.589
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	97.612

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

95.751

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	335625.872	335625.872		ug/L
Be	9	2.000	0.000	0.002171	ug/L
V	51	2226.348	-0.001	-0.038026	ug/L
Cu	63	170.004	0.000	0.005435	ug/L
Cu	65	86.001	0.000	0.002021	ug/L
Zn	66	166.004	0.000	0.046680	ug/L
Zn	68	291.008	0.000	0.065250	ug/L
Ge	72	240988.474	240988.474		ug/L
As	75	45.628	-0.000	-0.071826	ug/L
Se	77	117.002	-0.000	-0.072788	ug/L
Se	82	28.308	0.000	0.240237	ug/L
Rh	103	296385.007	296385.007		ug/L
Ag	107	55.001	0.000	0.005333	ug/L
Cd	111	0.791	-0.000	-0.000867	ug/L
Cd	114	8.108	-0.000	-0.000110	ug/L
In	115	237586.880	237586.880		ug/L
Sb	121	523.024	0.002	0.076302	ug/L
Sb	123	411.261	0.002	0.081920	ug/L
Tl	203	36.000	-0.000	-0.000248	ug/L
Tl	205	97.002	0.000	0.000853	ug/L
Pb	208	1432.070	0.003	0.040870	ug/L
Bi	209	317997.548	317997.548		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	332497.028	332497.028		ug/L
Be	9	2.000	0.000	0.002257	ug/L
V	51	2275.484	-0.001	-0.028088	ug/L
Cu	63	167.004	0.000	0.002849	ug/L
Cu	65	86.001	0.000	0.002239	ug/L
Zn	66	135.003	0.000	0.017178	ug/L
Zn	68	281.008	0.000	0.043286	ug/L
Ge	72	239699.446	239699.446		ug/L
As	75	28.460	0.000	0.056454	ug/L
Se	77	126.002	0.000	0.048984	ug/L
Se	82	52.459	0.000	0.041522	ug/L
Rh	103	294970.197	294970.197		ug/L
Ag	107	45.001	0.000	0.004021	ug/L
Cd	111	3.348	0.000	0.001487	ug/L
Cd	114	11.686	0.000	0.000826	ug/L
In	115	236890.822	236890.822		ug/L
Sb	121	567.028	0.002	0.085260	ug/L
Sb	123	419.861	0.002	0.083330	ug/L
Tl	203	33.000	-0.000	-0.000688	ug/L
Tl	205	74.001	-0.000	0.000543	ug/L
Pb	208	1527.080	0.003	0.044641	ug/L
Bi	209	318730.144	318730.144		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	335846.994	335846.994		ug/L
Be	9	0.000	-0.000	-0.007382	ug/L
V	51	2244.669	-0.001	-0.038182	ug/L
Cu	63	168.004	0.000	0.007377	ug/L
Cu	65	101.002	0.000	0.009354	ug/L
Zn	66	146.003	0.000	0.025320	ug/L
Zn	68	302.008	0.000	0.063980	ug/L
Ge	72	244752.024	244752.024		ug/L
As	75	-17.574	-0.000	0.049531	ug/L
Se	77	131.003	0.000	0.053215	ug/L
Se	82	-63.498	-0.000	-0.032462	ug/L
Rh	103	291634.291	291634.291		ug/L
Ag	107	52.001	0.000	0.005044	ug/L
Cd	111	1.658	0.000	0.000538	ug/L
Cd	114	14.467	0.000	0.001504	ug/L
In	115	236586.699	236586.699		ug/L
Sb	121	508.023	0.002	0.075788	ug/L
Sb	123	358.383	0.001	0.070088	ug/L
Tl	203	27.000	-0.000	0.001500	ug/L
Tl	205	81.001	0.000	-0.000088	ug/L
Pb	208	1522.077	0.003	0.048158	ug/L
Bi	209	315279.938	315279.938		ug/L

Sample Information

Sample ID: 1002144-09
Autosampler Position: 85
Sample Date/Time: Monday, February 22, 2010 22:28:05
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-09.101
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	339833.282	339833.282				ug/L
⌊	Be	9	1.667	0.000	0.000476	0.010	2064.134	ug/L
⌈	V	51	2954.560	0.002	0.055120	0.012	22.181	ug/L
|	Cu	63	5728.693	0.023	1.430326	0.099	6.889	ug/L
|	Cu	65	2706.874	0.011	1.407696	0.087	6.165	ug/L
|	Zn	66	830.390	0.003	0.699048	0.035	4.971	ug/L
|	Zn	68	815.055	0.002	0.757325	0.044	5.810	ug/L
|>	Ge	72	244859.248	244859.248				ug/L
|	As	75	392.409	0.001	0.269376	0.021	7.918	ug/L
|	Se	77	144.336	0.000	0.190699	0.090	47.116	ug/L
⌊	Se	82	-50.781	0.000	0.062840	0.145	230.857	ug/L
⌈>	Rh	103	297256.957	297256.957				ug/L
|	Ag	107	53.667	0.000	0.005132	0.001	14.013	ug/L
|	Cd	111	10.976	0.000	0.005786	0.002	30.797	ug/L
⌊	Cd	114	17.555	0.000	0.002179	0.001	57.883	ug/L
⌈>	In	115	240504.727	240504.727				ug/L
|	Sb	121	742.379	0.003	0.114078	0.009	8.104	ug/L
⌊	Sb	123	590.028	0.002	0.120022	0.006	5.217	ug/L
⌈	Tl	203	29.334	-0.000	-0.001402	0.000	31.474	ug/L
|	Tl	205	67.668	-0.000	-0.001104	0.000	13.627	ug/L
|	Pb	208	9252.438	0.026	0.369727	0.013	3.519	ug/L
⌊>	Bi	209	333403.611	333403.611				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.866
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.368
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.569
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.770

: 00662

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.599

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	337088.887	337088.887		ug/L
	Be	9	0.000	0.000	0.007382	ug/L
	V	51	2886.830	0.001	0.044130	ug/L
	Cu	63	5308.025	0.021	1.324841	ug/L
	Cu	65	2516.468	0.010	1.307882	ug/L
	Zn	66	820.066	0.003	0.689020	ug/L
	Zn	68	820.066	0.002	0.786516	ug/L
>	Ge	72	244472.696	244472.696		ug/L
	As	75	376.300	0.001	0.258788	ug/L
	Se	77	136.003	0.000	0.088186	ug/L
	Se	82	-35.348	0.000	0.175864	ug/L
>	Rh	103	298213.832	298213.832		ug/L
	Ag	107	60.001	0.000	0.005984	ug/L
	Cd	111	13.002	0.000	0.008904	ug/L
	Cd	114	23.333	0.000	0.003588	ug/L
>	In	115	239117.584	239117.584		ug/L
	Sb	121	790.062	0.003	0.122844	ug/L
	Sb	123	817.781	0.002	0.126878	ug/L
	Tl	203	34.000	0.000	-0.000828	ug/L
	Tl	205	72.001	-0.000	-0.001004	ug/L
	Pb	208	9254.449	0.026	0.356141	ug/L
>	Bi	209	346080.078	346080.078		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	329318.938	329318.938		ug/L
	Be	9	4.000	0.000	0.011491	ug/L
	V	51	2971.999	0.002	0.052841	ug/L
	Cu	63	5880.462	0.023	1.446948	ug/L
	Cu	65	2821.585	0.011	1.452146	ug/L
	Zn	66	810.084	0.003	0.689773	ug/L
	Zn	68	799.051	0.002	0.709802	ug/L
>	Ge	72	247863.886	247863.886		ug/L
	As	75	429.478	0.002	0.293818	ug/L
	Se	77	147.003	0.000	0.200872	ug/L
	Se	82	-73.588	0.000	-0.100719	ug/L
>	Rh	103	298363.810	298363.810		ug/L
	Ag	107	50.001	0.000	0.004818	ug/L
	Cd	111	7.373	0.000	0.003731	ug/L
	Cd	114	16.261	0.000	0.001856	ug/L
>	In	115	242208.582	242208.582		ug/L
	Sb	121	753.047	0.003	0.114970	ug/L
	Sb	123	587.662	0.002	0.118682	ug/L
	Tl	203	26.000	-0.000	-0.001801	ug/L
	Tl	205	68.001	-0.000	-0.001031	ug/L
	Pb	208	9238.418	0.026	0.373807	ug/L
>	Bi	209	329044.500	329044.500		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	343084.043	343084.043		ug/L
	Be	9	1.000	0.000	0.002701	ug/L
	V	51	3024.850	0.002	0.058280	ug/L
	Cu	63	6016.583	0.024	1.519491	ug/L
	Cu	65	2782.570	0.011	1.463249	ug/L
	Zn	66	861.081	0.003	0.737453	ug/L
	Zn	68	836.057	0.002	0.796684	ug/L
>	Ge	72	242441.164	242441.164		ug/L
	As	75	369.449	0.001	0.254523	ug/L
	Se	77	151.003	0.000	0.275028	ug/L
	Se	82	-43.427	0.000	0.113288	ug/L
>	Rh	103	295193.131	295193.131		ug/L
	Ag	107	51.001	0.000	0.004834	ug/L
	Cd	111	12.563	0.000	0.008723	ug/L
	Cd	114	13.052	0.000	0.001109	ug/L
>	In	115	240190.036	240190.036		ug/L
	Sb	121	684.040	0.003	0.104418	ug/L
	Sb	123	564.650	0.002	0.114608	ug/L
	Tl	203	28.000	-0.000	-0.001478	ug/L
	Tl	205	63.001	-0.000	-0.001277	ug/L
	Pb	208	9267.447	0.027	0.380136	ug/L
>	Bi	209	325088.258	325088.258		ug/L

: 00663

Sample Information

Sample ID: 1002144-10
Autosampler Position: 86
Sample Date/Time: Monday, February 22, 2010 22:31:20
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-10.102
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	341982.104	341982.104				ug/L
	Be	9	14.000	0.000	0.058129	0.021	36.715	ug/L
	V	51	15083.814	0.051	1.651050	0.007	0.403	ug/L
	Cu	63	118399.480	0.483	30.368923	0.220	0.726	ug/L
	Cu	65	55973.011	0.228	29.999510	0.245	0.816	ug/L
	Zn	66	66899.507	0.273	65.738750	0.778	1.184	ug/L
	Zn	68	48721.132	0.198	65.505072	1.735	2.649	ug/L
>	Ge	72	244807.281	244807.281				ug/L
	As	75	5968.808	0.024	4.610265	0.066	1.434	ug/L
	Se	77	139.003	0.000	0.135942	0.131	96.541	ug/L
	Se	82	-50.589	0.000	0.063593	0.077	120.973	ug/L
>	Rh	103	297843.943	297843.943				ug/L
	Ag	107	141.003	0.000	0.016771	0.001	6.530	ug/L
	Cd	111	329.533	0.001	0.185420	0.013	7.227	ug/L
	Cd	114	773.122	0.003	0.185588	0.002	1.329	ug/L
>	In	115	241656.601	241656.601				ug/L
	Sb	121	144211.348	0.597	24.094945	0.189	0.783	ug/L
	Sb	123	110062.540	0.455	24.005868	0.301	1.255	ug/L
	Tl	203	607.699	0.002	0.078621	0.004	5.571	ug/L
	Tl	205	1467.165	0.004	0.080530	0.001	1.355	ug/L
	Pb	208	2878348.879	8.764	123.976578	1.139	0.919	ug/L
>	Bi	209	328388.634	328388.634				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	94.459
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.348
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.766
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	99.243

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.086

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	345787.466	345787.466		ug/L
Be	9	18.000	0.000	0.075883	ug/L
V	51	15160.328	0.051	1.667504	ug/L
Cu	63	119550.343	0.487	30.808081	ug/L
Cu	65	55888.358	0.226	29.898112	ug/L
Zn	66	66287.624	0.270	65.015560	ug/L
Zn	68	48701.953	0.198	65.353215	ug/L
Ge	72	248253.807	248253.807		ug/L
As	75	5989.486	0.024	4.817861	ug/L
Se	77	148.003	0.000	0.225887	ug/L
Se	82	*49.618*	*0.000*	*0.071224*	ug/L
Rh	103	299384.507	299384.507		ug/L
Ag	107	137.003	0.000	0.016143	ug/L
Cd	111	337.086	0.001	0.188716	ug/L
Cd	114	772.319	0.003	0.184437	ug/L
In	115	242589.008	242589.008		ug/L
Sb	121	143747.447	0.582	23.924618	ug/L
Sb	123	108982.265	0.449	23.873700	ug/L
Tl	203	633.034	0.002	0.080868	ug/L
Tl	205	1495.171	0.004	0.081020	ug/L
Pb	208	2888642.988	8.673	122.882273	ug/L
Bi	209	332787.758	332787.758		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344204.818	344204.818		ug/L
Be	9	9.000	0.000	0.034458	ug/L
V	51	14940.227	0.051	1.644214	ug/L
Cu	63	118930.481	0.480	30.176008	ug/L
Cu	65	56150.398	0.230	30.278408	ug/L
Zn	66	67326.482	0.278	66.582688	ug/L
Zn	68	49757.199	0.203	67.310933	ug/L
Ge	72	243317.218	243317.218		ug/L
As	75	6012.087	0.026	4.672388	ug/L
Se	77	144.003	0.000	0.195500	ug/L
Se	82	40.482	0.000	0.136422	ug/L
Rh	103	296884.313	296884.313		ug/L
Ag	107	150.003	0.000	0.018038	ug/L
Cd	111	348.676	0.001	0.195887	ug/L
Cd	114	782.220	0.003	0.188419	ug/L
In	115	241513.905	241513.905		ug/L
Sb	121	143934.152	0.596	24.052392	ug/L
Sb	123	110351.235	0.457	24.082363	ug/L
Tl	203	566.028	0.002	0.073673	ug/L
Tl	205	1487.186	0.004	0.081291	ug/L
Pb	208	2873658.748	8.627	124.884012	ug/L
Bi	209	325500.501	325500.501		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	335974.231	335974.231		ug/L
Be	9	15.000	0.000	0.064040	ug/L
V	51	15150.891	0.051	1.661433	ug/L
Cu	63	118717.617	0.482	30.371678	ug/L
Cu	65	55879.280	0.227	29.821010	ug/L
Zn	66	67084.216	0.272	65.638020	ug/L
Zn	68	47704.244	0.193	63.861067	ug/L
Ge	72	245850.819	245850.819		ug/L
As	75	5804.863	0.024	4.540758	ug/L
Se	77	175.002	-0.000	0.014642	ug/L
Se	82	-81.671	0.000	-0.018888	ug/L
Rh	103	297303.009	297303.009		ug/L
Ag	107	136.003	0.000	0.016136	ug/L
Cd	111	302.839	0.001	0.170879	ug/L
Cd	114	764.827	0.003	0.183908	ug/L
In	115	240888.892	240888.892		ug/L
Sb	121	144952.446	0.602	24.297824	ug/L
Sb	123	110874.120	0.460	24.291540	ug/L
Tl	203	625.034	0.002	0.081430	ug/L
Tl	205	1438.158	0.004	0.079280	ug/L
Pb	208	2874744.902	8.792	124.373448	ug/L
Bi	209	326907.841	326907.841		ug/L

00665

Sample Information

Sample ID: 1002144-11
Autosampler Position: 87
Sample Date/Time: Monday, February 22, 2010 22:34:35
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-11.103
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	336723.671	336723.671				ug/L
	Be	9	3.667	0.000	0.010051	0.003	27.166	ug/L
	V	51	5718.485	0.013	0.415587	0.019	4.561	ug/L
	Cu	63	1660.876	0.006	0.383786	0.001	0.334	ug/L
	Cu	65	803.053	0.003	0.384331	0.006	1.647	ug/L
	Zn	66	1737.229	0.007	1.584003	0.023	1.448	ug/L
	Zn	68	1494.505	0.005	1.667048	0.047	2.848	ug/L
>	Ge	72	245885.835	245885.835				ug/L
	As	75	503.517	0.002	0.354184	0.024	6.793	ug/L
	Se	77	135.669	0.000	0.095316	0.039	41.157	ug/L
	Se	82	-53.451	0.000	0.043237	0.069	159.230	ug/L
>	Rh	103	298508.684	298508.684				ug/L
	Ag	107	63.001	0.000	0.006339	0.001	19.353	ug/L
	Cd	111	18.683	0.000	0.010079	0.005	49.336	ug/L
	Cd	114	26.644	0.000	0.004374	0.002	45.258	ug/L
>	In	115	240535.363	240535.363				ug/L
	Sb	121	356.346	0.001	0.049249	0.004	8.711	ug/L
	Sb	123	278.048	0.001	0.051632	0.006	12.367	ug/L
	Tl	203	44.001	0.000	0.000782	0.001	115.804	ug/L
	Tl	205	99.668	0.000	0.000907	0.001	65.277	ug/L
	Pb	208	4801.341	0.013	0.186464	0.001	0.619	ug/L
>	Bi	209	324055.956	324055.956				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	93.007
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.781
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.989
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.783

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	97.779

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass, Intensity	Net Intensity	Concentration	Report Unit
Li	6	336288.423	336288.423		ug/L
Be	9	4.000	0.000	0.011681	ug/L
V	51	5628.158	0.013	0.414454	ug/L
Cu	63	1635.204	0.008	0.383336	ug/L
Cu	65	808.053	0.003	0.381628	ug/L
Zn	66	1688.218	0.008	1.558302	ug/L
Zn	68	1510.175	0.005	1.717368	ug/L
Ge	72	242347.048	242347.048		ug/L
As	75	482.044	0.002	0.327440	ug/L
Se	77	138.003	0.000	0.139806	ug/L
Se	82	61.529	-0.000	-0.022393	ug/L
Rh	103	300231.803	300231.803		ug/L
Ag	107	87.001	0.000	0.006828	ug/L
Cd	111	15.892	0.000	0.008528	ug/L
Cd	114	17.729	0.000	0.002182	ug/L
In	115	241791.058	241791.058		ug/L
Sb	121	370.013	0.001	0.051197	ug/L
Sb	123	298.883	0.001	0.055830	ug/L
Tl	203	41.001	0.000	0.000233	ug/L
Tl	205	92.002	0.000	0.000332	ug/L
Pb	208	4890.707	0.013	0.185800	ug/L
Bi	209	331126.498	331126.498		ug/L

Repeat 2

Analyte	Mass	Mass, Intensity	Net Intensity	Concentration	Report Unit
Li	6	337452.544	337452.544		ug/L
Be	9	4.000	0.000	0.011586	ug/L
V	51	5661.500	0.012	0.397225	ug/L
Cu	63	1668.216	0.008	0.385234	ug/L
Cu	65	808.054	0.003	0.380341	ug/L
Zn	66	1767.236	0.007	1.581302	ug/L
Zn	68	1481.168	0.005	1.623040	ug/L
Ge	72	249089.197	249089.197		ug/L
As	75	519.828	0.002	0.361043	ug/L
Se	77	136.003	0.000	0.080446	ug/L
Se	82	-44.398	0.000	0.114804	ug/L
Rh	103	295835.928	295835.928		ug/L
Ag	107	52.001	0.000	0.004843	ug/L
Cd	111	11.423	0.000	0.008088	ug/L
Cd	114	33.220	0.000	0.008031	ug/L
In	115	237214.578	237214.578		ug/L
Sb	121	369.013	0.001	0.052218	ug/L
Sb	123	298.506	0.001	0.054781	ug/L
Tl	203	40.001	0.000	0.000285	ug/L
Tl	205	98.002	0.000	0.000874	ug/L
Pb	208	4727.845	0.013	0.186795	ug/L
Bi	209	320094.187	320094.187		ug/L

Repeat 3

Analyte	Mass	Mass, Intensity	Net Intensity	Concentration	Report Unit
Li	6	336432.047	336432.047		ug/L
Be	9	3.000	0.000	0.009899	ug/L
V	51	5675.797	0.014	0.435080	ug/L
Cu	63	1659.208	0.008	0.382780	ug/L
Cu	65	798.053	0.003	0.381024	ug/L
Zn	66	1758.234	0.007	1.602406	ug/L
Zn	68	1492.171	0.006	1.660738	ug/L
Ge	72	246221.280	246221.280		ug/L
As	75	529.682	0.002	0.374088	ug/L
Se	77	133.003	0.000	0.066698	ug/L
Se	82	-54.427	0.000	0.037201	ug/L
Rh	103	299458.320	299458.320		ug/L
Ag	107	70.001	0.000	0.007247	ug/L
Cd	111	28.834	0.000	0.015642	ug/L
Cd	114	28.983	0.000	0.004810	ug/L
In	115	242600.453	242600.453		ug/L
Sb	121	330.011	0.001	0.044330	ug/L
Sb	123	248.756	0.001	0.044283	ug/L
Tl	203	51.001	0.000	0.001826	ug/L
Tl	205	109.002	0.000	0.001515	ug/L
Pb	208	4788.670	0.013	0.187798	ug/L
Bi	209	320947.203	320947.203		ug/L

: 00667

Sample Information

Sample ID: 1002144-12
Autosampler Position: 88
Sample Date/Time: Monday, February 22, 2010 22:37:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-12.104
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	340672.597	340672.597				ug/L
	Be	9	2.333	0.000	0.003598	0.003	76.562	ug/L
	V	51	3059.250	0.002	0.066255	0.008	12.192	ug/L
	Cu	63	421.350	0.001	0.066583	0.003	3.950	ug/L
	Cu	65	207.338	0.000	0.065661	0.007	10.504	ug/L
	Zn	66	853.060	0.003	0.715801	0.041	5.676	ug/L
	Zn	68	816.055	0.002	0.751239	0.053	7.017	ug/L
>	Ge	72	246452.077	246452.077				ug/L
	As	75	186.529	0.001	0.108395	0.014	12.961	ug/L
	Se	77	134.669	0.000	0.081806	0.133	162.350	ug/L
	Se	82	-36.135	0.000	0.172335	0.153	89.056	ug/L
>	Rh	103	298827.784	298827.784				ug/L
	Ag	107	50.334	0.000	0.004649	0.001	18.470	ug/L
	Cd	111	1.929	0.000	0.000659	0.002	357.518	ug/L
	Cd	114	8.903	0.000	0.000065	0.000	599.141	ug/L
>	In	115	238787.122	238787.122				ug/L
	Sb	121	266.008	0.001	0.034379	0.001	2.550	ug/L
	Sb	123	220.250	0.001	0.039290	0.004	9.587	ug/L
	Tl	203	23.667	-0.000	-0.002122	0.000	8.386	ug/L
	Tl	205	61.001	-0.000	-0.001433	0.001	36.918	ug/L
	Pb	208	1420.403	0.003	0.037979	0.002	4.297	ug/L
>	Bi	209	328842.862	328842.862				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	94.098
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.008
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.095
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.065

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.223

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	340303.148	340303.148		ug/L
Be	9	2.000	0.000	0.002037	ug/L
V	51	2963.044	0.002	0.057210	ug/L
Cu	63	412.018	0.001	0.084083	ug/L
Cu	65	220.006	0.001	0.072315	ug/L
Zn	66	820.066	0.003	0.682844	ug/L
Zn	68	772.049	0.002	0.681148	ug/L
Ge	72	246883.135	246883.136		ug/L
As	75	201.012	0.001	0.118418	ug/L
Se	77	122.002	-0.000	0.049832	ug/L
Se	82	-13.395	0.000	0.339816	ug/L
Rh	103	297583.339	297583.339		ug/L
Ag	107	43.001	0.000	0.003701	ug/L
Cd	111	2.911	-0.000	-0.002082	ug/L
Cd	114	7.018	0.000	-0.000382	ug/L
In	115	738978.884	738978.884		ug/L
Sb	121	271.008	0.001	0.035180	ug/L
Sb	123	239.128	0.001	0.043413	ug/L
Tl	203	24.000	-0.000	-0.002103	ug/L
Tl	205	68.001	-0.000	-0.001234	ug/L
Pb	208	1421.070	0.003	0.037483	ug/L
Bi	209	331824.843	331824.843		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339288.446	339288.446		ug/L
Be	9	3.000	0.000	0.008778	ug/L
V	51	3091.088	0.002	0.058807	ug/L
Cu	63	422.017	0.001	0.086329	ug/L
Cu	65	209.006	0.001	0.068124	ug/L
Zn	66	844.068	0.003	0.703840	ug/L
Zn	68	848.058	0.002	0.788702	ug/L
Ge	72	247428.947	247428.947		ug/L
As	75	166.758	0.000	0.092575	ug/L
Se	77	135.003	0.000	0.079488	ug/L
Se	82	54.529	0.000	0.038412	ug/L
Rh	103	298788.147	298788.147		ug/L
Ag	107	52.001	0.000	0.004874	ug/L
Cd	111	4.348	0.000	0.002025	ug/L
Cd	114	9.580	0.000	0.000233	ug/L
In	115	237420.434	237420.434		ug/L
Sb	121	259.007	0.001	0.033449	ug/L
Sb	123	215.124	0.001	0.038429	ug/L
Tl	203	25.000	-0.000	-0.001956	ug/L
Tl	205	51.001	-0.000	-0.002033	ug/L
Pb	208	1397.089	0.003	0.036663	ug/L
Bi	209	330551.770	330551.770		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342428.189	342428.189		ug/L
Be	9	2.000	0.000	0.001878	ug/L
V	51	3083.880	0.002	0.072748	ug/L
Cu	63	430.017	0.001	0.088333	ug/L
Cu	65	193.006	0.000	0.058544	ug/L
Zn	66	826.066	0.003	0.781120	ug/L
Zn	68	828.056	0.002	0.772886	ug/L
Ge	72	245234.149	245234.149		ug/L
As	75	191.817	0.001	0.113195	ug/L
Se	77	147.003	0.000	0.215763	ug/L
Se	82	-40.482	0.000	0.138782	ug/L
Rh	103	300110.875	300110.875		ug/L
Ag	107	56.001	0.000	0.005373	ug/L
Cd	111	4.348	0.000	0.002014	ug/L
Cd	114	10.100	0.000	0.000346	ug/L
In	115	239982.087	239982.087		ug/L
Sb	121	266.008	0.001	0.034497	ug/L
Sb	123	208.502	0.001	0.036029	ug/L
Tl	203	22.000	0.000	0.002308	ug/L
Tl	205	67.001	0.000	0.001032	ug/L
Pb	208	1443.070	0.003	0.039802	ug/L
Bi	209	324351.974	324351.974		ug/L

: 00669

Sample Information

Sample ID: 1002144-13
Autosampler Position: 89
Sample Date/Time: Monday, February 22, 2010 22:41:05
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-13.105
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	346914.837	346914.837				ug/L
	Be	9	0.333	-0.000	-0.005827	0.003	45.655	ug/L
	V	51	2464.136	-0.000	-0.012404	0.009	69.652	ug/L
	Cu	63	467.020	0.001	0.077906	0.003	4.381	ug/L
	Cu	65	247.673	0.001	0.086790	0.006	7.152	ug/L
	Zn	66	927.736	0.003	0.786210	0.019	2.387	ug/L
	Zn	68	1601.195	0.005	1.799182	0.017	0.960	ug/L
>	Ge	72	247157.316	247157.316				ug/L
	As	75	-26.442	-0.000	-0.056042	0.046	81.895	ug/L
	Se	77	141.336	0.000	0.145367	0.101	69.789	ug/L
	Se	82	-51.597	0.000	0.060106	0.106	176.293	ug/L
>	Rh	103	296732.890	296732.890				ug/L
	Ag	107	33.334	0.000	0.002419	0.001	30.479	ug/L
	Cd	111	3.637	0.000	0.001636	0.002	111.710	ug/L
	Cd	114	7.173	-0.000	-0.000343	0.001	213.541	ug/L
>	In	115	241470.822	241470.822				ug/L
	Sb	121	236.673	0.001	0.028979	0.001	4.528	ug/L
	Sb	123	175.209	0.001	0.028917	0.001	5.102	ug/L
	Tl	203	32.000	-0.000	-0.000973	0.001	138.120	ug/L
	Tl	205	74.334	-0.000	-0.000647	0.001	142.244	ug/L
	Pb	208	1274.724	0.002	0.031791	0.002	6.870	ug/L
>	Bi	209	328191.642	328191.642				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.822
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.292
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.394
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	99.167

: 00670

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
	Bi	208.980

99.027

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	349888.701	349888.701		ug/L
Be	9	0.000	0.000	-0.007382	ug/L
V	51	2444.391	0.001	0.016111	ug/L
Cu	63	457.019	0.001	0.074948	ug/L
Cu	65	262.007	0.001	0.093851	ug/L
Zn	66	911.087	0.003	0.786866	ug/L
Zn	68	1600.186	0.005	1.780454	ug/L
Ge	72	248001.297	248001.297		ug/L
As	75	1.103	-0.000	-0.035001	ug/L
Se	77	150.003	0.000	0.229458	ug/L
Se	82	58.847	0.000	0.001886	ug/L
Rh	103	295404.612	295404.612		ug/L
Ag	107	30.000	0.000	0.001984	ug/L
Cd	111	5.534	0.000	0.002727	ug/L
Cd	114	5.598	0.000	-0.000718	ug/L
In	115	239666.598	239666.598		ug/L
Sb	121	240.008	0.001	0.029834	ug/L
Sb	123	181.249	0.001	0.030529	ug/L
Tl	203	43.001	0.000	0.000477	ug/L
Tl	205	84.001	0.000	0.001308	ug/L
Pb	208	1350.063	0.002	0.034240	ug/L
Bi	209	332861.427	332861.427		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343866.498	343866.498		ug/L
Be	9	0.000	-0.000	-0.007382	ug/L
V	51	2515.246	-0.000	-0.002529	ug/L
Cu	63	477.021	0.001	0.081641	ug/L
Cu	65	238.008	0.001	0.082934	ug/L
Zn	66	937.071	0.003	0.804329	ug/L
Zn	68	1600.186	0.005	1.819089	ug/L
Ge	72	244720.987	244720.987		ug/L
As	75	14.653	0.000	-0.024438	ug/L
Se	77	129.002	0.000	0.032692	ug/L
Se	82	34.513	0.000	0.182415	ug/L
Rh	103	299241.510	299241.510		ug/L
Ag	107	40.001	0.000	0.003270	ug/L
Cd	111	5.474	0.000	0.002663	ug/L
Cd	114	10.716	0.000	0.000502	ug/L
In	115	242866.804	242866.804		ug/L
Sb	121	229.008	0.001	0.027468	ug/L
Sb	123	174.752	0.001	0.028589	ug/L
Tl	203	23.000	-0.000	0.002176	ug/L
Tl	205	67.001	-0.000	-0.001041	ug/L
Pb	208	1222.063	0.002	0.030046	ug/L
Bi	209	325084.291	325084.291		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	347110.313	347110.313		ug/L
Be	9	1.000	-0.000	-0.002758	ug/L
V	51	2432.771	-0.001	-0.018571	ug/L
Cu	63	467.020	0.001	0.077128	ug/L
Cu	65	243.007	0.001	0.083488	ug/L
Zn	66	935.071	0.003	0.797446	ug/L
Zn	68	1603.186	0.005	1.788023	ug/L
Ge	72	248749.664	248749.664		ug/L
As	75	-95.084	0.001	-0.108686	ug/L
Se	77	145.003	0.000	0.113963	ug/L
Se	82	60.631	0.000	0.003982	ug/L
Rh	103	295552.548	295552.548		ug/L
Ag	107	30.000	0.000	0.001992	ug/L
Cd	111	-0.098	-0.000	-0.000474	ug/L
Cd	114	5.206	0.000	0.000814	ug/L
In	115	241860.086	241860.086		ug/L
Sb	121	241.008	0.001	0.029834	ug/L
Sb	123	169.626	0.001	0.027833	ug/L
Tl	203	30.000	-0.000	-0.001219	ug/L
Tl	205	92.002	0.000	0.000408	ug/L
Pb	208	1252.058	0.002	0.031087	ug/L
Bi	209	326848.209	326848.209		ug/L

: 00671

Sample Information

Sample ID: 1002144-15
Autosampler Position: 90
Sample Date/Time: Monday, February 22, 2010 22:44:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-15.106
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	341201.490	341201.490				ug/L
	Be	9	1.333	-0.000	-0.001126	0.003	235.040	ug/L
	V	51	3799.032	0.005	0.160585	0.011	6.919	ug/L
	Cu	63	1092.428	0.004	0.236485	0.008	3.259	ug/L
	Cu	65	545.026	0.002	0.244419	0.014	5.805	ug/L
	Zn	66	1021.083	0.004	0.875290	0.025	2.861	ug/L
	Zn	68	926.069	0.003	0.892843	0.035	3.891	ug/L
>	Ge	72	247686.482	247686.482				ug/L
	As	75	391.180	0.001	0.264975	0.012	4.457	ug/L
	Se	77	144.336	0.000	0.174148	0.081	46.579	ug/L
	Se	82	-36.154	0.000	0.174333	0.077	44.117	ug/L
>	Rh	103	299455.214	299455.214				ug/L
	Ag	107	30.334	0.000	0.001988	0.000	23.543	ug/L
	Cd	111	1.322	0.000	0.000271	0.004	1420.210	ug/L
	Cd	114	12.634	0.000	0.000960	0.001	118.927	ug/L
>	In	115	240050.227	240050.227				ug/L
	Sb	121	229.006	0.001	0.027919	0.004	13.135	ug/L
	Sb	123	181.125	0.001	0.030439	0.004	12.371	ug/L
	Tl	203	27.334	-0.000	-0.001572	0.001	50.559	ug/L
	Tl	205	74.668	-0.000	-0.000596	0.000	23.416	ug/L
	Pb	208	2567.205	0.006	0.088418	0.002	2.795	ug/L
>	Bi	209	325486.665	325486.665				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	94.244
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.504
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.306
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.583

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.210

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	334898.330	334898.330		ug/L
	Be	9	1.000	-0.000	-0.002587	ug/L
	V	51	3771.083	0.005	0.150812	ug/L
	Cu	63	1078.082	0.004	0.228606	ug/L
	Cu	65	548.028	0.002	0.241251	ug/L
	Zn	66	1026.084	0.004	0.867648	ug/L
	Zn	68	956.073	0.003	0.815626	ug/L
>	Ge	72	250780.181	250780.181		ug/L
	As	75	397.814	0.001	0.266216	ug/L
	Se	77	137.003	0.000	0.081331	ug/L
	Se	82	41.588	0.000	0.137523	ug/L
>	Rh	103	308448.702	308448.702		ug/L
	Ag	107	28.000	0.000	0.001580	ug/L
	Cd	111	9.348	0.000	0.004706	ug/L
	Cd	114	12.846	0.000	0.000843	ug/L
>	In	115	239944.879	239944.879		ug/L
	Sb	121	242.007	0.001	0.030123	ug/L
	Sb	123	200.250	0.001	0.034667	ug/L
	Tl	203	22.000	-0.000	0.002382	ug/L
	Tl	205	78.001	0.000	-0.000463	ug/L
	Pb	208	2658.214	0.008	0.060784	ug/L
>	Bi	209	330058.640	330058.640		ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	344444.791	344444.791		ug/L
	Be	9	1.000	-0.000	0.002719	ug/L
	V	51	3811.039	0.006	0.156274	ug/L
	Cu	63	1100.086	0.004	0.236237	ug/L
	Cu	65	526.026	0.002	0.232082	ug/L
	Zn	66	1008.081	0.004	0.854957	ug/L
	Zn	68	903.068	0.003	0.852881	ug/L
>	Ge	72	249572.648	249572.648		ug/L
	As	75	408.600	0.001	0.276117	ug/L
	Se	77	149.005	0.000	0.209870	ug/L
	Se	82	43.403	0.000	0.122745	ug/L
>	Rh	103	294617.058	294617.058		ug/L
	Ag	107	29.000	0.000	0.001870	ug/L
	Cd	111	2.132	-0.000	0.001638	ug/L
	Cd	114	7.600	-0.000	-0.000173	ug/L
>	In	115	239981.557	239981.557		ug/L
	Sb	121	241.008	0.001	0.029849	ug/L
	Sb	123	175.628	0.001	0.029241	ug/L
	Tl	203	33.000	-0.000	0.000773	ug/L
	Tl	205	72.001	-0.000	-0.000741	ug/L
	Pb	208	2564.208	0.008	0.088688	ug/L
>	Bi	209	324643.750	324643.750		ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	344283.348	344283.348		ug/L
	Be	9	2.000	0.000	0.001828	ug/L
	V	51	3814.975	0.006	0.172688	ug/L
	Cu	63	1101.098	0.004	0.244313	ug/L
	Cu	65	563.028	0.002	0.259828	ug/L
	Zn	66	1029.084	0.004	0.903284	ug/L
	Zn	68	920.088	0.003	0.909820	ug/L
>	Ge	72	242726.820	242726.820		ug/L
	As	75	387.426	0.001	0.252583	ug/L
	Se	77	147.003	0.000	0.231444	ug/L
	Se	82	-23.489	0.000	0.262731	ug/L
>	Rh	103	297299.883	297299.883		ug/L
	Ag	107	34.000	0.000	0.002503	ug/L
	Cd	111	3.252	0.000	-0.002256	ug/L
	Cd	114	17.256	0.000	0.002109	ug/L
>	In	115	240224.244	240224.244		ug/L
	Sb	121	204.006	0.001	0.023686	ug/L
	Sb	123	167.500	0.001	0.027418	ug/L
	Tl	203	27.000	-0.000	-0.001679	ug/L
	Tl	205	74.001	-0.000	0.000684	ug/L
	Pb	208	2479.194	0.008	0.085881	ug/L
>	Bi	209	321780.606	321780.606		ug/L

: 00673

Sample Information

Sample ID: 1002144-16
Autosampler Position: 91
Sample Date/Time: Monday, February 22, 2010 22:47:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-16.107
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	344797.070	344797.070				ug/L
⌊	Be	9	4.667	0.000	0.014273	0.003	17.908	ug/L
⌈	V	51	5296.664	0.011	0.367424	0.006	1.553	ug/L
|	Cu	63	1982.962	0.007	0.471439	0.017	3.548	ug/L
|	Cu	65	956.407	0.004	0.471483	0.006	1.249	ug/L
|	Zn	66	1182.776	0.004	1.052711	0.036	3.400	ug/L
|	Zn	68	1102.429	0.003	1.154393	0.015	1.266	ug/L
|>	Ge	72	243374.538	243374.538				ug/L
|	As	75	240.651	0.001	0.152496	0.019	12.675	ug/L
|	Se	77	124.002	-0.000	-0.011616	0.259	2232.611	ug/L
⌊	Se	82	-30.416	0.000	0.211763	0.061	28.806	ug/L
⌈>	Rh	103	297267.587	297267.587				ug/L
|	Ag	107	42.001	0.000	0.003573	0.000	6.381	ug/L
|	Cd	111	17.294	0.000	0.009353	0.001	12.548	ug/L
⌊	Cd	114	10.691	0.000	0.000512	0.001	174.658	ug/L
⌈>	In	115	241441.024	241441.024				ug/L
|	Sb	121	222.339	0.001	0.026573	0.003	12.713	ug/L
⌊	Sb	123	182.918	0.001	0.030596	0.002	7.465	ug/L
⌈	Tl	203	34.667	-0.000	-0.000631	0.002	260.606	ug/L
|	Tl	205	82.001	-0.000	-0.000219	0.000	193.388	ug/L
|	Pb	208	6582.582	0.018	0.259657	0.005	1.735	ug/L
⌊>	Bi	209	329351.997	329351.997				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.237
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.772
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.573
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.155

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.377

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	342381.016	342381.016		ug/L
Be	9	4.000	0.000	0.011322	ug/L
V	51	5268.120	0.011	0.361539	ug/L
Cu	63	1920.277	0.007	0.483800	ug/L
Cu	65	970.076	0.004	0.477201	ug/L
Zn	66	1153.105	0.004	1.019882	ug/L
Zn	68	1115.088	0.004	1.186737	ug/L
Ge	72	244158.208	244158.208		ug/L
As	75	253.808	0.001	0.162076	ug/L
Se	77	143.003	0.000	0.180987	ug/L
Se	82	-37.521	0.000	0.156468	ug/L
Rh	103	297029.371	297029.371		ug/L
Ag	107	40.001	0.000	0.003310	ug/L
Cd	111	18.615	0.000	0.010872	ug/L
Cd	114	13.385	0.000	0.001170	ug/L
In	115	242388.647	242388.647		ug/L
Sb	121	248.007	0.001	0.030378	ug/L
Sb	123	193.827	0.001	0.032773	ug/L
Tl	203	48.001	0.000	0.001120	ug/L
Tl	205	78.001	-0.000	-0.000842	ug/L
Pb	208	6600.256	0.018	0.256716	ug/L
Bi	209	334830.341	334830.341		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	345362.071	345362.071		ug/L
Be	9	5.000	0.000	0.015782	ug/L
V	51	5265.300	0.011	0.367788	ug/L
Cu	63	2029.309	0.008	0.486788	ug/L
Cu	65	939.071	0.004	0.466438	ug/L
Zn	66	1170.108	0.004	1.047707	ug/L
Zn	68	1088.086	0.004	1.156184	ug/L
Ge	72	241804.100	241804.100		ug/L
Ag	75	210.775	0.001	0.130248	ug/L
Se	77	133.003	0.000	0.090683	ug/L
Se	82	-21.282	0.000	0.278777	ug/L
Rh	103	297022.699	297022.699		ug/L
Ag	107	43.001	0.000	0.003711	ug/L
Cu	111	16.590	0.000	0.008963	ug/L
Cd	114	6.494	0.000	0.000507	ug/L
In	115	241073.277	241073.277		ug/L
Sb	121	215.006	0.001	0.025408	ug/L
Sb	123	171.752	0.001	0.028218	ug/L
Tl	203	23.000	0.000	-0.002140	ug/L
Tl	205	80.001	0.000	-0.000223	ug/L
Pb	208	6538.222	0.018	0.264568	ug/L
Bi	209	321477.264	321477.264		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	346868.123	346868.123		ug/L
Be	9	5.000	0.000	0.015706	ug/L
V	51	5358.572	0.012	0.372908	ug/L
Cu	63	1998.300	0.008	0.473847	ug/L
Cu	65	960.074	0.004	0.471812	ug/L
Zn	66	1225.117	0.005	1.090743	ug/L
Zn	68	1094.085	0.003	1.138258	ug/L
Ge	72	244161.309	244161.309		ug/L
As	75	257.570	0.001	0.165164	ug/L
Se	77	96.002	-0.000	-0.306497	ug/L
Se	82	-32.498	0.000	0.167044	ug/L
Rh	103	297740.880	297740.880		ug/L
Ag	107	43.001	0.000	0.003698	ug/L
Cd	111	15.677	0.000	0.008426	ug/L
Cd	114	12.196	0.000	0.000874	ug/L
In	115	240861.148	240861.148		ug/L
Sb	121	208.006	0.001	0.023931	ug/L
Sb	123	163.375	0.001	0.030788	ug/L
Tl	203	33.000	-0.000	-0.000872	ug/L
Tl	205	90.001	0.000	0.000207	ug/L
Pb	208	5809.268	0.018	0.258890	ug/L
Bi	209	331748.387	331748.387		ug/L

: 00675

Sample Information

Sample ID: 1002144-17
Autosampler Position: 92
Sample Date/Time: Monday, February 22, 2010 22:50:51
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-17.108
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	344078.205	344078.205				ug/L
⌊	Be	9	1.667	0.000	0.000377	0.007	1875.235	ug/L
⌈	V	51	9383.274	0.028	0.898117	0.010	1.145	ug/L
|	Cu	63	6302.175	0.025	1.574029	0.023	1.478	ug/L
|	Cu	65	2968.647	0.012	1.544888	0.073	4.698	ug/L
|	Zn	66	3466.876	0.014	3.286472	0.093	2.829	ug/L
|	Zn	68	2789.906	0.010	3.417280	0.050	1.458	ug/L
|>	Ge	72	245394.052	245394.052				ug/L
|	As	75	2341.781	0.009	1.782542	0.068	3.816	ug/L
|	Se	77	133.669	0.000	0.077837	0.109	140.480	ug/L
⌊	Se	82	-32.778	0.000	0.195946	0.105	53.476	ug/L
⌈>	Rh	103	300237.763	300237.763				ug/L
|	Ag	107	62.001	0.000	0.006167	0.002	37.544	ug/L
|	Cd	111	30.580	0.000	0.016689	0.003	15.876	ug/L
⌊	Cd	114	47.181	0.000	0.009276	0.003	32.146	ug/L
⌈>	In	115	241414.036	241414.036				ug/L
|	Sb	121	1010.415	0.004	0.158438	0.006	3.475	ug/L
⌊	Sb	123	762.044	0.003	0.157095	0.011	6.687	ug/L
⌈	Tl	203	51.334	0.000	0.001622	0.001	90.166	ug/L
|	Tl	205	129.336	0.000	0.002460	0.000	19.814	ug/L
|	Pb	208	35698.264	0.106	1.496301	0.054	3.602	ug/L
⌊>	Bi	209	332581.030	332581.030				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.038
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.583
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.568
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.144

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.351

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Units
Li	6	345808.229	345808.229		ug/L
Be	9	3.000	0.000	0.008512	ug/L
V	51	9399.318	0.028	0.887583	ug/L
Cu	63	6263.807	0.025	1.547429	ug/L
Cu	65	2980.643	0.012	1.524279	ug/L
Zn	66	3447.886	0.013	3.232933	ug/L
Zn	68	2786.578	0.010	3.387623	ug/L
Ge	72	247923.670	247923.670		ug/L
As	75	2377.287	0.008	1.791288	ug/L
Se	77	123.002	-0.000	0.045834	ug/L
Se	82	31.506	0.000	0.207739	ug/L
Rh	103	299881.831	299881.831		ug/L
Ag	107	47.001	0.000	0.004185	ug/L
Cd	111	25.358	0.000	0.013778	ug/L
Cd	114	61.336	0.000	0.012698	ug/L
In	115	240886.353	240886.353		ug/L
Sb	121	972.078	0.004	0.152380	ug/L
Sb	123	783.287	0.003	0.184288	ug/L
Tl	203	51.001	0.000	0.001344	ug/L
Tl	205	130.002	0.000	0.002249	ug/L
Pb	208	35481.986	0.102	1.436278	ug/L
Bi	209	343925.648	343925.648		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Units
Li	6	344134.348	344134.348		ug/L
Be	9	0.000	-0.000	-0.007352	ug/L
V	51	9330.809	0.028	0.898838	ug/L
Cu	63	6328.886	0.026	1.590588	ug/L
Cu	65	3100.704	0.012	1.625847	ug/L
Zn	66	3564.920	0.014	3.393837	ug/L
Zn	68	2815.563	0.011	3.474800	ug/L
Ge	72	243910.988	243910.988		ug/L
As	75	2408.563	0.010	1.845778	ug/L
Se	77	141.003	0.000	0.161707	ug/L
Se	82	-19.356	0.000	0.294336	ug/L
Rh	103	301416.181	301416.181		ug/L
Ag	107	58.001	0.000	0.005808	ug/L
Cd	111	31.843	0.000	0.017328	ug/L
Cd	114	38.772	0.000	0.007213	ug/L
In	115	241791.086	241791.086		ug/L
Sb	121	1040.086	0.004	0.163138	ug/L
Sb	123	785.548	0.003	0.181958	ug/L
Tl	203	62.001	0.000	0.003204	ug/L
Tl	205	137.003	0.000	0.003018	ug/L
Pb	208	35566.941	0.107	1.512089	ug/L
Bi	209	327627.532	327627.532		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Units
Li	6	342295.038	342295.038		ug/L
Be	9	2.000	0.000	0.001982	ug/L
V	51	9419.598	0.028	0.908129	ug/L
Cu	63	6314.553	0.025	1.584088	ug/L
Cu	65	2844.586	0.011	1.484838	ug/L
Zn	66	3397.842	0.013	3.232648	ug/L
Zn	68	2757.580	0.010	3.389418	ug/L
Ge	72	244347.518	244347.518		ug/L
As	75	2238.514	0.008	1.710584	ug/L
Se	77	137.003	0.000	0.117638	ug/L
Se	82	47.474	0.000	0.085784	ug/L
Rh	103	299315.516	299315.516		ug/L
Ag	107	61.001	0.000	0.006712	ug/L
Cd	111	34.538	0.000	0.018963	ug/L
Cd	114	41.436	0.000	0.007921	ug/L
In	115	241555.656	241555.656		ug/L
Sb	121	1019.083	0.004	0.159796	ug/L
Sb	123	707.287	0.003	0.145040	ug/L
Tl	203	41.001	0.000	0.000318	ug/L
Tl	205	121.002	0.000	0.002114	ug/L
Pb	208	38056.856	0.109	1.540556	ug/L
Bi	209	326189.914	326189.914		ug/L

00677

Sample Information

Sample ID: 1002144-18
Autosampler Position: 93
Sample Date/Time: Monday, February 22, 2010 22:54:06
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-18.109
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	342342.591	342342.591				ug/L
	Be	9	1.667	0.000	0.000442	0.010	2212.114	ug/L
	V	51	8554.921	0.024	0.783431	0.012	1.565	ug/L
	Cu	63	7622.808	0.030	1.902093	0.009	0.492	ug/L
	Cu	65	3628.291	0.014	1.887781	0.017	0.878	ug/L
	Zn	66	3150.394	0.012	2.959159	0.139	4.714	ug/L
	Zn	68	2510.800	0.009	3.023154	0.018	0.595	ug/L
>	Ge	72	246679.517	246679.517				ug/L
	As	75	2165.463	0.009	1.636996	0.025	1.507	ug/L
	Se	77	118.336	-0.000	-0.087278	0.131	150.217	ug/L
	Se	82	-25.755	0.000	0.249253	0.127	51.120	ug/L
>	Rh	103	301442.997	301442.997				ug/L
	Ag	107	56.667	0.000	0.005429	0.001	12.539	ug/L
	Cd	111	16.740	0.000	0.008911	0.002	24.086	ug/L
	Cd	114	34.800	0.000	0.006260	0.002	35.685	ug/L
>	In	115	245661.198	245661.198				ug/L
	Sb	121	984.411	0.004	0.151250	0.003	2.290	ug/L
	Sb	123	757.295	0.003	0.153208	0.004	2.392	ug/L
	Tl	203	45.667	0.000	0.000839	0.000	37.101	ug/L
	Tl	205	94.668	0.000	0.000456	0.000	25.074	ug/L
	Pb	208	25453.645	0.075	1.058421	0.020	1.917	ug/L
>	Bi	209	333008.779	333008.779				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	94.559
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.100
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.971
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	100.888

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.480

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	340899.610	340899.610		ug/L
Be	9	0.000	-0.000	-0.007362	ug/L
V	51	8394.673	0.024	0.788462	ug/L
Cu	63	7803.120	0.030	1.908292	ug/L
Cu	65	3612.980	0.014	1.891788	ug/L
Zn	66	2999.680	0.012	2.830442	ug/L
Zn	68	2504.464	0.008	3.035840	ug/L
Ge	72	245134.824	245134.824		ug/L
As	75	2185.040	0.009	1.647088	ug/L
Se	77	130.002	0.000	0.040788	ug/L
Se	82	-30.474	0.000	0.212780	ug/L
Rh	103	302080.788	302080.788		ug/L
Ag	107	51.001	0.000	0.004867	ug/L
Cd	111	12.331	0.000	0.008437	ug/L
Cd	114	44.088	0.000	0.008467	ug/L
In	115	247382.981	247382.981		ug/L
Sb	121	974.076	0.004	0.148432	ug/L
Sb	123	754.670	0.003	0.151503	ug/L
Tl	203	47.001	0.000	0.000884	ug/L
Tl	205	98.002	0.000	0.000342	ug/L
Pb	208	25666.218	0.073	1.038134	ug/L
Bi	209	341280.638	341280.638		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	340803.381	340803.381		ug/L
Be	9	4.000	0.000	0.011426	ug/L
V	51	8567.946	0.024	0.788275	ug/L
Cu	63	7580.074	0.030	1.891521	ug/L
Cu	65	3583.936	0.014	1.888588	ug/L
Zn	66	3292.792	0.013	3.107378	ug/L
Zn	68	2489.458	0.009	3.002583	ug/L
Ge	72	245988.438	245988.438		ug/L
As	75	2182.815	0.009	1.656013	ug/L
Se	77	105.002	-0.000	0.221246	ug/L
Se	82	6.426	0.000	0.390939	ug/L
Rh	103	302265.974	302265.974		ug/L
Ag	107	61.001	0.000	0.005978	ug/L
Cd	111	19.256	0.000	0.010291	ug/L
Cd	114	25.451	0.000	0.004000	ug/L
In	115	245681.745	245681.745		ug/L
Sb	121	1008.081	0.004	0.156118	ug/L
Sb	123	745.796	0.003	0.150706	ug/L
Tl	203	43.001	0.000	0.000516	ug/L
Tl	205	98.002	0.000	0.000571	ug/L
Pb	208	25398.788	0.075	1.053308	ug/L
Bi	209	330878.437	330878.437		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	345824.802	345824.802		ug/L
Be	9	1.000	-0.000	0.002736	ug/L
V	51	8702.343	0.025	0.782527	ug/L
Cu	63	7705.231	0.030	1.906498	ug/L
Cu	65	3687.989	0.014	1.901987	ug/L
Zn	66	3158.730	0.012	2.938657	ug/L
Zn	68	2538.477	0.008	3.031040	ug/L
Ge	72	248918.288	248918.288		ug/L
As	75	2148.534	0.008	1.608889	ug/L
Se	77	120.002	-0.000	0.081358	ug/L
Se	82	40.364	0.000	0.144088	ug/L
Rh	103	299872.229	299872.229		ug/L
Ag	107	58.001	0.000	0.005642	ug/L
Cd	111	18.634	0.000	0.010018	ug/L
Cd	114	34.851	0.000	0.006312	ug/L
In	115	243908.868	243908.868		ug/L
Sb	121	971.076	0.004	0.150201	ug/L
Sb	123	771.420	0.003	0.157415	ug/L
Tl	203	47.001	0.000	0.001136	ug/L
Tl	205	93.002	0.000	0.000457	ug/L
Pb	208	25407.931	0.076	1.073420	ug/L
Bi	209	327067.263	327067.263		ug/L

: 00679

Sample Information

Sample ID: 1002144-19
Autosampler Position: 94
Sample Date/Time: Monday, February 22, 2010 22:57:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-19.110
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	343052.874	343052.874				ug/L
	Be	9	2.000	0.000	0.001978	0.005	237.132	ug/L
	V	51	13915.641	0.046	1.497281	0.052	3.489	ug/L
	Cu	63	34478.698	0.140	8.813759	0.087	0.991	ug/L
	Cu	65	16233.588	0.066	8.667583	0.037	0.431	ug/L
	Zn	66	1550.851	0.006	1.407921	0.037	2.658	ug/L
	Zn	68	1335.472	0.004	1.460236	0.052	3.578	ug/L
>	Ge	72	244835.192	244835.192				ug/L
	As	75	1496.265	0.006	1.128820	0.054	4.820	ug/L
	Se	77	138.669	0.000	0.132094	0.123	93.198	ug/L
	Se	82	-18.382	0.000	0.301717	0.131	43.423	ug/L
>	Rh	103	293101.965	293101.965				ug/L
	Ag	107	42.334	0.000	0.003697	0.001	30.903	ug/L
	Cd	111	10.776	0.000	0.005764	0.004	75.679	ug/L
	Cd	114	59.356	0.000	0.012558	0.003	22.672	ug/L
>	In	115	240415.961	240415.961				ug/L
	Sb	121	12401.882	0.051	2.073183	0.023	1.090	ug/L
	Sb	123	9362.599	0.039	2.044342	0.042	2.056	ug/L
	Tl	203	31.334	-0.000	-0.001046	0.000	35.082	ug/L
	Tl	205	71.668	-0.000	-0.000806	0.000	57.524	ug/L
	Pb	208	23858.766	0.071	1.006591	0.013	1.268	ug/L
>	Bi	209	327791.180	327791.180				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	94.755
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.359
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.178
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.734

: 00680

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	98.906

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	342773.172	342773.172		ug/L
Be	9	3.000	0.000	0.000838	ug/L
V	51	13599.821	0.046	1.454588	ug/L
Cu	63	34106.874	0.139	8.713129	ug/L
Cu	65	16175.456	0.066	8.631303	ug/L
Zn	66	1538.181	0.008	1.395686	ug/L
Zn	68	1307.133	0.004	1.421032	ug/L
Ge	72	244976.528	244976.528		ug/L
As	75	1488.408	0.006	1.120313	ug/L
Se	77	125.002	0.000	-0.010047	ug/L
Se	82	-10.403	0.000	0.361286	ug/L
Rh	103	293882.919	293882.919		ug/L
Ag	107	39.000	0.000	0.003232	ug/L
Cd	111	10.898	0.000	0.005610	ug/L
Cd	114	46.210	0.000	0.008282	ug/L
In	115	242779.524	242779.524		ug/L
Sb	121	12537.116	0.051	2.075287	ug/L
Sb	123	9315.037	0.038	2.013698	ug/L
Tl	203	30.000	-0.000	-0.001303	ug/L
Tl	205	82.001	-0.000	-0.000278	ug/L
Pb	208	23988.938	0.070	0.994803	ug/L
Bi	209	333381.881	333381.881		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	340148.917	340148.917		ug/L
Be	9	2.000	0.000	0.002041	ug/L
V	51	14288.874	0.048	1.556523	ug/L
Cu	63	34482.378	0.141	8.857847	ug/L
Cu	65	16226.572	0.066	8.705686	ug/L
Zn	66	1513.178	0.008	1.378167	ug/L
Zn	68	1314.134	0.004	1.440125	ug/L
Ge	72	243663.394	243663.394		ug/L
As	75	1563.622	0.006	1.188679	ug/L
Se	77	145.003	0.000	0.204828	ug/L
Se	82	-38.513	0.000	0.151501	ug/L
Rh	103	293534.831	293534.831		ug/L
Ag	107	52.001	0.000	0.004998	ug/L
Cd	111	3.143	0.000	0.001378	ug/L
Cd	114	67.074	0.000	0.014433	ug/L
In	115	237298.683	237298.683		ug/L
Sb	121	12367.822	0.052	2.084686	ug/L
Sb	123	9458.227	0.040	2.092256	ug/L
Tl	203	30.000	-0.000	-0.001208	ug/L
Tl	205	68.001	-0.000	-0.000992	ug/L
Pb	208	24033.943	0.072	1.020142	ug/L
Bi	209	325881.291	325881.291		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	346239.532	346239.532		ug/L
Be	9	1.000	0.000	0.002743	ug/L
V	51	13857.028	0.046	1.481731	ug/L
Cu	63	34647.143	0.141	8.870502	ug/L
Cu	65	16298.737	0.066	8.665480	ug/L
Zn	66	1600.186	0.008	1.449829	ug/L
Zn	68	1388.148	0.005	1.519561	ug/L
Ge	72	245875.663	245875.663		ug/L
As	75	1438.788	0.008	1.079187	ug/L
Se	77	148.003	0.000	0.201504	ug/L
Se	82	6.230	0.000	0.392363	ug/L
Rh	103	291908.148	291908.148		ug/L
Ag	107	38.000	0.000	0.002659	ug/L
Cd	111	18.287	0.000	0.010104	ug/L
Cd	114	84.783	0.000	0.017958	ug/L
In	115	241171.875	241171.875		ug/L
Sb	121	12300.706	0.051	2.049587	ug/L
Sb	123	9314.534	0.038	2.027074	ug/L
Tl	203	34.000	-0.000	-0.000526	ug/L
Tl	205	65.001	-0.000	-0.001148	ug/L
Pb	208	23552.422	0.071	1.004627	ug/L
Bi	209	324110.387	324110.387		ug/L

: 20681

Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 22, 2010 23:00:35
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.111
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	341265.989	341265.989				ug/L
⌊	Be	9	7910.458	0.023	37.069701	1.069	2.883	ug/L
⌈	V	51	282110.081	1.161	37.381528	0.736	1.969	ug/L
|	Cu	63	150301.612	0.623	39.182878	0.794	2.026	ug/L
|	Cu	65	72023.015	0.299	39.231516	0.135	0.344	ug/L
|	Zn	66	38795.801	0.161	38.684183	0.623	1.611	ug/L
|	Zn	68	27951.200	0.115	38.035997	0.679	1.784	ug/L
|>	Ge	72	240956.954	240956.954				ug/L
|	As	75	48842.621	0.203	38.589786	0.788	2.042	ug/L
|	Se	77	3724.008	0.015	37.834788	0.486	1.286	ug/L
⌊	Se	82	4959.463	0.021	37.791257	0.592	1.567	ug/L
⌈>	Rh	103	289166.898	289166.898				ug/L
|	Ag	107	284023.920	0.982	39.025359	0.384	0.983	ug/L
|	Cd	111	65487.302	0.227	38.045697	1.045	2.748	ug/L
⌊	Cd	114	152555.504	0.528	38.144829	0.674	1.768	ug/L
⌈>	In	115	234543.541	234543.541				ug/L
|	Sb	121	210559.002	0.898	36.257630	1.429	3.941	ug/L
⌊	Sb	123	163108.495	0.695	36.664271	1.597	4.357	ug/L
⌈	Tl	203	269787.611	0.849	38.536005	0.752	1.951	ug/L
|	Tl	205	643338.367	2.023	38.729679	0.406	1.048	ug/L
|	Pb	208	863315.648	2.714	38.394027	0.399	1.039	ug/L
⌊>	Bi	209	317917.810	317917.810				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.262
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.801
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	96.859
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	96.322

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

95.927

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	337754.320	337754.320		ug/L
Be	9	8009.987	0.024	37.913197	ug/L
V	51	278031.288	1.136	38.875846	ug/L
Cu	63	149847.876	0.617	38.782686	ug/L
Cu	65	72489.887	0.298	39.213544	ug/L
Zn	66	38680.637	0.156	38.300647	ug/L
Zn	68	27576.406	0.113	37.258182	ug/L
Ge	72	242627.329	242627.329		ug/L
As	75	48432.120	0.199	38.000579	ug/L
Se	77	3712.001	0.015	37.438032	ug/L
Se	82	4907.327	0.020	37.142274	ug/L
Rh	103	291656.116	291656.116		ug/L
Ag	107	283807.508	0.972	38.634620	ug/L
Cd	111	64724.203	0.222	37.275808	ug/L
Cd	114	150752.654	0.517	37.368866	ug/L
In	115	235813.984	235813.984		ug/L
Sb	121	203782.024	0.866	34.926407	ug/L
Sb	123	156238.251	0.663	34.954028	ug/L
Tl	203	268827.986	0.831	37.741344	ug/L
Tl	205	651767.860	2.015	38.572348	ug/L
Pb	208	886711.020	2.686	37.978467	ug/L
Bi	209	323382.914	323382.914		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	341818.783	341818.783		ug/L
Be	9	7998.564	0.023	37.427991	ug/L
V	51	283230.150	1.166	37.550384	ug/L
Cu	63	148214.402	0.615	38.636720	ug/L
Cu	65	71749.270	0.298	39.106412	ug/L
Zn	66	38438.532	0.156	38.348808	ug/L
Zn	68	28278.147	0.116	38.506887	ug/L
Ge	72	240808.214	240808.214		ug/L
As	75	49944.288	0.207	39.484784	ug/L
Se	77	3707.998	0.015	37.668823	ug/L
Se	82	5024.492	0.021	38.302797	ug/L
Rh	103	286435.072	286435.072		ug/L
Ag	107	281454.797	0.983	39.040127	ug/L
Cd	111	66908.338	0.234	39.235743	ug/L
Cd	114	152887.246	0.534	38.581337	ug/L
In	115	235083.711	235083.711		ug/L
Sb	121	210084.928	0.893	36.080617	ug/L
Sb	123	164880.801	0.700	36.920883	ug/L
Tl	203	269098.956	0.851	38.630728	ug/L
Tl	205	647621.983	2.047	39.190478	ug/L
Pb	208	887340.191	2.741	38.771182	ug/L
Bi	209	316268.232	316268.232		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344424.883	344424.883		ug/L
Be	9	7726.254	0.022	35.867917	ug/L
V	51	285088.804	1.180	38.018356	ug/L
Cu	63	152842.456	0.638	40.096330	ug/L
Cu	65	71830.077	0.300	39.374881	ug/L
Zn	66	39268.034	0.164	39.403383	ug/L
Zn	68	27999.048	0.116	38.343141	ug/L
Ge	72	239437.317	239437.317		ug/L
As	75	48151.477	0.201	38.283998	ug/L
Se	77	3752.023	0.015	38.077410	ug/L
Se	82	4946.870	0.021	37.928701	ug/L
Rh	103	289410.507	289410.507		ug/L
Ag	107	287008.468	0.992	39.401330	ug/L
Cd	111	64829.364	0.224	37.625744	ug/L
Cd	114	154016.812	0.532	38.474198	ug/L
In	115	232922.928	232922.928		ug/L
Sb	121	217840.083	0.935	37.766886	ug/L
Sb	123	168428.434	0.723	38.117925	ug/L
Tl	203	271434.881	0.864	39.235946	ug/L
Tl	205	630625.289	2.008	38.426211	ug/L
Pb	208	853895.733	2.717	38.434431	ug/L
Bi	209	314092.284	314092.284		ug/L

: 00683

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 23:09:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.112
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	337732.774	337732.774				ug/L
⌊	Be	9	1.667	0.000	0.000543	0.003	511.669	ug/L
⌈	V	51	2239.503	-0.001	-0.035724	0.003	9.065	ug/L
|	Cu	63	192.005	0.000	0.008929	0.004	42.810	ug/L
|	Cu	65	100.668	0.000	0.009757	0.004	44.335	ug/L
|	Zn	66	144.670	0.000	0.025502	0.015	57.239	ug/L
⌊	Zn	68	289.342	0.000	0.051044	0.017	33.661	ug/L
|>	Ge	72	242172.983	242172.983				ug/L
|	As	75	-8.096	-0.000	-0.042143	0.036	86.425	ug/L
|	Se	77	108.002	-0.000	-0.172708	0.069	39.756	ug/L
⌊	Se	82	-45.503	0.000	0.097732	0.172	175.580	ug/L
⌈>	Rh	103	295409.951	295409.951				ug/L
|	Ag	107	55.334	0.000	0.005400	0.000	8.100	ug/L
|	Cd	111	2.324	0.000	0.000906	0.001	145.675	ug/L
⌊	Cd	114	7.554	-0.000	-0.000241	0.001	334.347	ug/L
⌈>	In	115	237871.388	237871.388				ug/L
|	Sb	121	572.696	0.002	0.086635	0.010	11.174	ug/L
⌊	Sb	123	432.931	0.002	0.086618	0.006	7.044	ug/L
⌈	Tl	203	37.667	-0.000	-0.000109	0.001	833.703	ug/L
|	Tl	205	85.668	0.000	0.000085	0.000	560.050	ug/L
|	Pb	208	1510.744	0.003	0.042927	0.001	3.179	ug/L
⌊>	Bi	209	323565.105	323565.105				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.286
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.289
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.951
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.689

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.631

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	338493.096	338493.096		ug/L
Be	9	2.000	0.000	0.002087	ug/L
V	51	2234.082	0.001	-0.035468	ug/L
Cu	63	162.004	0.000	0.008488	ug/L
Cu	65	103.002	0.000	0.011201	ug/L
Zn	66	126.002	0.000	0.009358	ug/L
Zn	68	266.008	0.000	0.047784	ug/L
Ge	72	241378.077	241378.077		ug/L
As	75	32.870	-0.000	0.009801	ug/L
Se	77	113.002	0.000	-0.116879	ug/L
Se	82	20.387	0.000	0.266071	ug/L
Rh	103	297328.977	297328.977		ug/L
Ag	107	58.001	0.000	0.005844	ug/L
Cd	111	0.036	-0.000	-0.000440	ug/L
Cd	114	10.024	0.000	0.000350	ug/L
In	115	238021.673	238021.673		ug/L
Sb	121	615.033	0.002	0.093787	ug/L
Sb	123	458.284	0.002	0.092188	ug/L
Tl	203	43.001	0.000	0.000648	ug/L
Tl	205	81.001	0.000	-0.000274	ug/L
Pb	208	1501.078	0.003	0.041398	ug/L
Bi	209	329040.314	329040.314		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	334250.088	334250.088		ug/L
Be	9	2.000	0.000	0.002207	ug/L
V	51	2256.808	-0.001	-0.033823	ug/L
Cu	63	185.004	0.000	0.009884	ug/L
Cu	65	92.002	0.000	0.004884	ug/L
Zn	66	149.003	0.000	0.029379	ug/L
Zn	68	279.008	0.000	0.036738	ug/L
Ge	72	242823.136	242823.136		ug/L
As	75	-58.381	0.000	-0.081660	ug/L
Se	77	101.002	0.000	-0.248302	ug/L
Se	82	66.616	0.000	-0.051827	ug/L
Rh	103	294749.353	294749.353		ug/L
Ag	107	52.001	0.000	0.004969	ug/L
Cd	111	4.594	0.000	0.002198	ug/L
Cd	114	8.860	0.000	0.000088	ug/L
In	115	237875.291	237875.291		ug/L
Sb	121	586.031	0.002	0.090536	ug/L
Sb	123	436.892	0.002	0.087800	ug/L
Tl	203	30.000	0.000	-0.001143	ug/L
Tl	205	82.001	0.000	0.000084	ug/L
Pb	208	1523.078	0.003	0.044026	ug/L
Bi	209	320808.059	320808.059		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	340456.141	340456.141		ug/L
Be	9	1.000	0.000	-0.002666	ug/L
V	51	2214.619	0.001	-0.039088	ug/L
Cu	63	209.005	0.000	0.013334	ug/L
Cu	65	107.002	0.000	0.013177	ug/L
Zn	66	157.003	0.000	0.037788	ug/L
Zn	68	303.009	0.000	0.058629	ug/L
Ge	72	242216.737	242216.737		ug/L
As	75	1.234	0.000	0.004878	ug/L
Se	77	110.002	0.000	0.152142	ug/L
Se	82	-50.506	0.000	0.099951	ug/L
Rh	103	294153.524	294153.524		ug/L
Ag	107	55.001	0.000	-0.005389	ug/L
Cd	111	2.414	0.000	0.000956	ug/L
Cd	114	3.779	0.000	0.001159	ug/L
In	115	237977.102	237977.102		ug/L
Sb	121	508.023	0.002	0.075813	ug/L
Sb	123	403.638	0.002	0.080086	ug/L
Tl	203	40.001	0.000	0.000272	ug/L
Tl	205	94.002	0.000	0.000822	ug/L
Pb	208	1508.076	0.003	0.043366	ug/L
Bi	209	320848.931	320848.931		ug/L

: 00685

Sample Information

Sample ID: 1001399-MS2
Autosampler Position: 95
Sample Date/Time: Monday, February 22, 2010 23:12:17
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001399-MS2.113
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	346609.182	346609.182				ug/L
⌊	Be	9	3867.752	0.011	17.838464	0.265	1.483	ug/L
⌈	V	51	153243.169	0.614	19.772554	0.414	2.093	ug/L
|	Cu	63	106555.654	0.433	27.253383	0.419	1.538	ug/L
|	Cu	65	50176.456	0.204	26.814156	0.344	1.283	ug/L
|	Zn	66	18944.951	0.077	18.480927	0.432	2.337	ug/L
|	Zn	68	13780.753	0.055	18.227795	0.128	0.701	ug/L
|>	Ge	72	245491.625	245491.625				ug/L
|	As	75	24789.148	0.101	19.206696	0.253	1.315	ug/L
|	Se	77	1792.576	0.007	17.189456	0.351	2.043	ug/L
⌊	Se	82	2238.920	0.009	16.991946	0.575	3.382	ug/L
⌈>	Rh	103	295050.933	295050.933				ug/L
|	Ag	107	134632.805	0.456	18.129932	0.375	2.069	ug/L
|	Cd	111	31501.465	0.107	17.933469	0.213	1.189	ug/L
⌊	Cd	114	73920.544	0.251	18.111555	0.022	0.121	ug/L
⌈>	In	115	240424.412	240424.412				ug/L
|	Sb	121	123031.088	0.512	20.662401	0.322	1.557	ug/L
⌊	Sb	123	94946.670	0.395	20.815872	0.321	1.541	ug/L
⌈	Tl	203	134747.502	0.407	18.461014	0.387	2.095	ug/L
|	Tl	205	320137.556	0.966	18.490718	0.478	2.585	ug/L
|	Pb	208	451920.837	1.362	19.272056	0.464	2.407	ug/L
⌊>	Bi	209	331458.086	331458.086				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.737
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.623
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.830
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.737

: 00686

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.012

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	347046.263	347046.263		ug/L
	Be	9	3837.089	0.011	17.674756	ug/L
	V	51	153807.826	0.611	19.676291	ug/L
	Cu	63	106818.584	0.427	26.880633	ug/L
	Cu	65	49818.288	0.201	26.448847	ug/L
	Zn	66	18788.888	0.076	18.171888	ug/L
	Zn	68	13916.681	0.056	18.252288	ug/L
>	Ge	72	247586.882	247586.882		ug/L
	As	75	24858.271	0.099	18.943371	ug/L
	Se	77	1788.237	0.007	16.783601	ug/L
	Se	82	2174.900	0.009	16.380841	ug/L
>	Rh	103	297279.042	297279.042		ug/L
	Ag	107	132448.036	0.445	17.700377	ug/L
	Cd	111	31853.204	0.108	17.884484	ug/L
	Cd	114	74581.238	0.251	18.136870	ug/L
>	In	115	243838.284	243838.284		ug/L
	Sb	121	122577.027	0.502	20.296151	ug/L
	Sb	123	95210.930	0.390	20.678880	ug/L
	Tl	203	135552.468	0.397	18.017913	ug/L
	Tl	205	320886.031	0.940	17.984588	ug/L
	Pb	208	452912.488	1.325	18.737178	ug/L
>	Bi	209	341513.943	341513.943		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	346886.231	346886.231		ug/L
	Be	9	3937.134	0.011	18.143881	ug/L
	V	51	156663.141	0.626	20.228405	ug/L
	Cu	63	106350.942	0.433	27.204838	ug/L
	Cu	65	50257.688	0.204	26.881884	ug/L
	Zn	66	18754.777	0.076	18.298294	ug/L
	Zn	68	13875.218	0.056	18.088888	ug/L
>	Ge	72	245434.871	245434.871		ug/L
	As	75	24814.803	0.101	19.229881	ug/L
	Se	77	1812.248	0.007	17.384881	ug/L
	Se	82	2249.986	0.009	17.073530	ug/L
>	Rh	103	294263.836	294263.836		ug/L
	Ag	107	135520.875	0.460	18.298875	ug/L
	Cd	111	31094.980	0.106	17.748084	ug/L
	Cd	114	73887.886	0.250	18.088887	ug/L
>	In	115	240178.708	240178.708		ug/L
	Sb	121	123720.600	0.515	20.798946	ug/L
	Sb	123	94277.539	0.392	20.687888	ug/L
	Tl	203	135278.339	0.413	18.731328	ug/L
	Tl	205	317880.646	0.968	18.563236	ug/L
	Pb	208	453940.122	1.383	19.863534	ug/L
>	Bi	209	327846.233	327846.233		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	345887.052	345887.052		ug/L
	Be	9	3829.084	0.011	17.666846	ug/L
	V	51	149288.541	0.603	19.413984	ug/L
	Cu	63	107387.438	0.440	27.684877	ug/L
	Cu	65	50388.382	0.208	27.131888	ug/L
	Zn	66	19290.208	0.079	18.974521	ug/L
	Zn	68	13781.382	0.056	18.341483	ug/L
>	Ge	72	243474.443	243474.443		ug/L
	As	75	24894.398	0.102	19.447056	ug/L
	Se	77	1797.244	0.007	17.389485	ug/L
	Se	82	2291.994	0.010	17.521488	ug/L
>	Rh	103	293808.821	293808.821		ug/L
	Ag	107	135829.536	0.463	18.392744	ug/L
	Cd	111	31756.213	0.108	18.186888	ug/L
	Cd	114	73523.507	0.250	18.102838	ug/L
>	In	115	237261.244	237261.244		ug/L
	Sb	121	122795.737	0.517	20.866104	ug/L
	Sb	123	95361.840	0.402	21.180778	ug/L
	Tl	203	133411.702	0.410	18.633806	ug/L
	Tl	205	321586.998	0.989	18.934350	ug/L
	Pb	208	448809.900	1.380	19.515386	ug/L
>	Bi	209	325014.081	325014.081		ug/L

00687

Sample Information

Sample ID: 1001399-MSD2

Autosampler Position: 96

Sample Date/Time: Monday, February 22, 2010 23:15:32

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Number of Replicates: 3

Sample File: C:\Elandata\Sample\0B22027.sam

Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth

Dataset File: C:\Elandata\DataSet\0B22027\1001399-MSD2.114

Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun

Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	344650.053	344650.053				ug/L
⌊	Be	9	3864.084	0.011	17.923862	0.482	2.689	ug/L
⌈	V	51	152663.450	0.618	19.914493	0.106	0.533	ug/L
|	Cu	63	103316.623	0.425	26.708993	0.428	1.603	ug/L
|	Cu	65	48870.112	0.201	26.398654	0.498	1.886	ug/L
|	Zn	66	18655.521	0.076	18.394515	0.400	2.177	ug/L
|	Zn	68	13714.959	0.055	18.338817	0.098	0.536	ug/L
|>	Ge	72	242862.610	242862.610				ug/L
|	As	75	24011.003	0.099	18.805459	0.481	2.556	ug/L
|	Se	77	1786.241	0.007	17.324628	0.742	4.284	ug/L
⌊	Se	82	2228.646	0.009	17.095001	0.779	4.555	ug/L
⌈>	Rh	103	294858.545	294858.545				ug/L
|	Ag	107	131778.339	0.447	17.754852	0.212	1.195	ug/L
|	Cd	111	30562.693	0.104	17.409647	0.121	0.695	ug/L
⌊	Cd	114	71594.868	0.243	17.553704	0.146	0.831	ug/L
⌈>	In	115	237022.026	237022.026				ug/L
|	Sb	121	116728.197	0.492	19.881459	0.396	1.993	ug/L
⌊	Sb	123	88899.503	0.375	19.767103	0.198	1.002	ug/L
⌈	Tl	203	130038.736	0.396	17.987059	0.528	2.935	ug/L
|	Tl	205	313745.396	0.956	18.292803	0.472	2.582	ug/L
|	Pb	208	443755.747	1.350	19.101135	0.310	1.625	ug/L
⌊>	Bi	209	328313.675	328313.675				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.196
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.566
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.766
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.340

: 00688

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.063

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346722.358	345722.358		ug/L
Be	9	3769.032	0.011	17.427588	ug/L
V	51	152586.988	0.622	20.019470	ug/L
Cu	63	104700.816	0.433	27.201468	ug/L
Cu	65	49378.581	0.204	26.804563	ug/L
Zn	66	18998.417	0.078	18.825123	ug/L
Zn	68	13567.008	0.056	18.229818	ug/L
Ge	72	241657.252	241657.252		ug/L
As	75	24237.375	0.100	19.075516	ug/L
Se	77	1857.280	0.007	18.158908	ug/L
Se	82	2266.037	0.010	17.456008	ug/L
Rh	103	298648.621	298648.621		ug/L
Ag	107	132638.173	0.448	17.790390	ug/L
Cd	111	30818.981	0.104	17.450867	ug/L
Cd	114	71792.070	0.242	17.486331	ug/L
In	115	236362.359	236362.359		ug/L
Sb	121	113738.527	0.481	19.427586	ug/L
Sb	123	88476.730	0.374	19.728587	ug/L
Tl	203	128808.254	0.383	17.392977	ug/L
Tl	205	312824.966	0.930	17.798646	ug/L
Pb	208	446083.588	1.325	18.748387	ug/L
Bi	209	336171.183	336171.183		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344331.520	344331.520		ug/L
Be	9	3887.088	0.011	17.963525	ug/L
V	51	152116.834	0.616	19.916815	ug/L
Cu	63	101850.011	0.420	26.426562	ug/L
Cu	65	48668.770	0.202	26.548378	ug/L
Zn	66	18518.156	0.076	18.325070	ug/L
Zn	68	13723.307	0.056	18.420089	ug/L
Ge	72	241980.258	241980.258		ug/L
As	75	24288.513	0.100	19.090281	ug/L
Se	77	1756.233	0.007	17.077271	ug/L
Se	82	2292.024	0.010	17.628800	ug/L
Rh	103	292916.180	292916.190		ug/L
Ag	107	129226.770	0.441	17.527098	ug/L
Cd	111	30123.144	0.103	17.273441	ug/L
Cd	114	71797.832	0.245	17.719711	ug/L
In	115	236832.750	236832.750		ug/L
Sb	121	117664.394	0.497	20.087747	ug/L
Sb	123	89793.394	0.379	19.981884	ug/L
Tl	203	131534.344	0.408	18.402203	ug/L
Tl	205	317880.909	0.979	18.735807	ug/L
Pb	208	443978.909	1.367	19.333015	ug/L
Bi	209	324472.258	324472.258		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343886.282	343886.282		ug/L
Be	9	3956.135	0.011	18.390378	ug/L
V	51	153177.529	0.615	19.807392	ug/L
Cu	63	103309.044	0.421	26.498930	ug/L
Cu	65	48262.884	0.197	25.843034	ug/L
Zn	66	18451.987	0.075	18.033361	ug/L
Zn	68	13654.562	0.056	18.386786	ug/L
Ge	72	244970.321	244970.321		ug/L
As	75	23509.120	0.096	18.250578	ug/L
Se	77	1745.231	0.007	16.737703	ug/L
Se	82	2127.677	0.009	16.201394	ug/L
Rh	103	295010.824	295010.824		ug/L
Ag	107	133268.078	0.452	17.947088	ug/L
Cd	111	30744.975	0.104	17.504844	ug/L
Cd	114	71194.701	0.241	17.446070	ug/L
In	115	237880.970	237880.970		ug/L
Sb	121	118781.870	0.499	20.158035	ug/L
Sb	123	88428.386	0.372	19.581036	ug/L
Tl	203	129778.610	0.400	18.156998	ug/L
Tl	205	310930.323	0.958	18.347257	ug/L
Pb	208	441194.744	1.358	19.221994	ug/L
Bi	209	324297.588	324297.588		ug/L

: 00689

Sample Information

Sample ID: 0B22027-SRD5
Autosampler Position: 97
Sample Date/Time: Monday, February 22, 2010 23:24:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-SRD5.115
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	339201.282	339201.282				ug/L
⌊	Be	9	2.000	0.000	0.001947	0.009	472.572	ug/L
⌈	V	51	4598.205	0.009	0.275529	0.014	4.902	ug/L
|	Cu	63	6990.489	0.028	1.766751	0.025	1.426	ug/L
|	Cu	65	3283.454	0.013	1.729396	0.014	0.826	ug/L
|	Zn	66	462.686	0.001	0.340137	0.015	4.310	ug/L
|	Zn	68	548.360	0.001	0.401865	0.075	18.562	ug/L
|>	Ge	72	243163.836	243163.836				ug/L
|	As	75	318.374	0.001	0.213653	0.057	26.710	ug/L
|	Se	77	134.003	0.000	0.093472	0.113	120.990	ug/L
⌊	Se	82	-40.146	0.000	0.139221	0.254	182.677	ug/L
⌈>	Rh	103	294882.791	294882.791				ug/L
|	Ag	107	89.668	0.000	0.010054	0.002	19.776	ug/L
|	Cd	111	6.903	0.000	0.003518	0.003	87.381	ug/L
⌊	Cd	114	20.541	0.000	0.002950	0.001	35.087	ug/L
⌈>	In	115	237622.519	237622.519				ug/L
|	Sb	121	2644.516	0.011	0.438922	0.004	0.937	ug/L
⌊	Sb	123	2018.968	0.008	0.438631	0.008	1.906	ug/L
⌈	Tl	203	31.000	-0.000	-0.001091	0.001	71.975	ug/L
|	Tl	205	62.334	-0.000	-0.001345	0.000	9.213	ug/L
|	Pb	208	5007.068	0.014	0.193055	0.007	3.460	ug/L
⌊>	Bi	209	327646.414	327646.414				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.691
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.687
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.774
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.586

: 20690

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
	Bi	208.980

98.862

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
U	6	335668.203	335668.203		ug/L
Be	9	2.000	0.000	0.002170	ug/L
V	51	4536.984	0.008	0.284577	ug/L
Cu	63	6928.428	0.028	1.742222	ug/L
Cu	65	3326.807	0.013	1.743880	ug/L
Zn	66	454.019	0.001	0.329402	ug/L
Zn	68	528.025	0.001	0.370791	ug/L
Ge	72	244311.311	244311.311		ug/L
As	75	293.488	0.001	0.193056	ug/L
Se	77	126.002	0.000	0.003836	ug/L
Se	82	-72.655	-0.000	0.101329	ug/L
Rh	103	293977.493	293977.493		ug/L
Ag	107	101.002	0.000	0.011610	ug/L
Cd	111	13.103	0.000	0.007056	ug/L
Cd	114	25.308	0.000	0.004137	ug/L
In	115	236588.182	236588.182		ug/L
Sb	121	2630.511	0.011	0.436477	ug/L
Sb	123	1974.788	0.008	0.430744	ug/L
Tl	203	26.000	-0.000	-0.001793	ug/L
Tl	205	64.001	-0.000	-0.001256	ug/L
Pb	208	4847.887	0.013	0.186720	ug/L
Bi	209	328341.214	328341.214		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
U	6	334282.553	334282.553		ug/L
Be	9	0.000	-0.000	-0.007382	ug/L
V	51	4705.302	0.009	0.290822	ug/L
Cu	63	6975.474	0.028	1.755482	ug/L
Cu	65	3277.785	0.013	1.729001	ug/L
Zn	66	456.019	0.001	0.334188	ug/L
Zn	68	610.032	0.001	0.469874	ug/L
Ge	72	242803.157	242803.157		ug/L
As	75	400.120	0.001	0.278160	ug/L
Se	77	146.003	0.000	0.220531	ug/L
Se	82	4.410	0.000	0.405383	ug/L
Rh	103	292309.056	292309.056		ug/L
Ag	107	94.002	0.000	0.010737	ug/L
Cd	111	3.702	0.000	0.001708	ug/L
Cd	114	17.480	0.000	0.002238	ug/L
In	115	238236.992	238236.992		ug/L
Sb	121	2626.510	0.011	0.435081	ug/L
Sb	123	2063.688	0.008	0.447384	ug/L
Tl	203	37.000	-0.000	-0.000243	ug/L
Tl	205	63.001	-0.000	0.001293	ug/L
Pb	208	5121.788	0.014	0.198786	ug/L
Bi	209	326480.782	326480.782		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
U	6	347786.080	347786.080		ug/L
Be	9	4.000	0.000	0.011033	ug/L
V	51	4552.329	0.008	0.271360	ug/L
Cu	63	7067.566	0.029	1.792548	ug/L
Cu	65	3246.770	0.013	1.715308	ug/L
Zn	66	476.021	0.001	0.356838	ug/L
Zn	68	507.023	0.001	0.347830	ug/L
Ge	72	242377.041	242377.041		ug/L
As	75	261.513	0.001	0.169744	ug/L
Se	77	130.002	0.000	0.056048	ug/L
Se	82	43.372	0.000	0.113611	ug/L
Rh	103	298361.825	298361.825		ug/L
Ag	107	74.001	0.000	0.007814	ug/L
Cd	111	3.904	0.000	0.001779	ug/L
Cd	114	18.834	0.000	0.002478	ug/L
In	115	238033.483	238033.483		ug/L
Sb	121	2674.527	0.011	0.443238	ug/L
Sb	123	2018.424	0.008	0.437758	ug/L
Tl	203	30.000	0.000	-0.001237	ug/L
Tl	205	60.001	-0.000	0.001488	ug/L
Pb	208	5061.740	0.014	0.194668	ug/L
Bi	209	328117.265	328117.265		ug/L

: 00691

Sample Information

Sample ID: 1001399-PS2
Autosampler Position: 98
Sample Date/Time: Monday, February 22, 2010 23:27:19
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001399-PS2.116
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	344149.102	344149.102				ug/L
⌊	Be	9	4016.503	0.012	18.656336	0.195	1.046	ug/L
⌈	V	51	161973.780	0.655	21.087211	0.166	0.788	ug/L
|	Cu	63	110127.603	0.452	28.389463	0.288	1.015	ug/L
|	Cu	65	52669.345	0.216	28.368965	0.211	0.744	ug/L
|	Zn	66	20108.803	0.082	19.778271	0.356	1.798	ug/L
|	Zn	68	14937.753	0.060	19.946660	0.253	1.269	ug/L
|>	Ge	72	243565.865	243565.865				ug/L
|	As	75	26030.612	0.107	20.328134	0.187	0.921	ug/L
|	Se	77	1919.610	0.007	18.654367	0.185	0.989	ug/L
⌊	Se	82	2444.697	0.010	18.652542	0.087	0.464	ug/L
⌈>	Rh	103	295862.835	295862.835				ug/L
|	Ag	107	140767.170	0.476	18.912220	0.676	3.573	ug/L
|	Cd	111	32467.931	0.110	18.437933	0.338	1.833	ug/L
⌊	Cd	114	77262.941	0.261	18.884569	0.379	2.007	ug/L
⌈>	In	115	237033.122	237033.122				ug/L
|	Sb	121	118546.892	0.500	20.196945	0.541	2.678	ug/L
⌊	Sb	123	90526.507	0.382	20.132886	0.471	2.339	ug/L
⌈	Tl	203	138068.783	0.421	19.104070	0.737	3.860	ug/L
|	Tl	205	331442.500	1.010	19.326343	0.449	2.325	ug/L
|	Pb	208	469917.417	1.430	20.234008	0.538	2.658	ug/L
⌊>	Bi	209	328313.164	328313.164				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.058
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.849
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.102
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.344

: 00692

	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	99.063

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	349479.782	349479.782		ug/L
Be	9	4073.202	0.012	18.832156	ug/L
V	51	162813.119	0.480	21.271785	ug/L
Cu	63	109822.358	0.451	26.329878	ug/L
Cu	65	52081.486	0.214	26.132642	ug/L
Zn	66	20240.840	0.083	19.976730	ug/L
Zn	68	14968.820	0.061	20.058404	ug/L
Ge	72	242731.791	242731.791		ug/L
As	75	25803.621	0.106	20.220443	ug/L
Se	77	1892.270	0.007	18.448410	ug/L
Se	82	2429.955	0.010	18.806156	ug/L
Rh	103	303433.976	303433.976		ug/L
Ag	107	140087.986	0.462	18.343017	ug/L
Cd	111	32831.841	0.108	18.063411	ug/L
Cd	114	77733.231	0.256	18.519877	ug/L
In	115	240931.158	240931.158		ug/L
Sb	121	117079.838	0.386	19.817886	ug/L
Sb	123	86727.322	0.372	19.627164	ug/L
Tl	203	135610.463	0.404	18.339478	ug/L
Tl	205	332100.186	0.983	18.807758	ug/L
Pb	208	470133.088	1.390	19.656819	ug/L
Bi	209	337898.926	337898.926		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	338177.888	338177.888		ug/L
Be	9	3808.108	0.012	18.474380	ug/L
V	51	161390.813	0.653	21.040433	ug/L
Cu	63	111182.733	0.456	28.702682	ug/L
Cu	65	52718.341	0.216	28.435758	ug/L
Zn	66	20294.984	0.083	19.990362	ug/L
Zn	68	15046.982	0.061	20.123758	ug/L
Ge	72	243215.851	243215.851		ug/L
As	75	25854.008	0.106	20.219803	ug/L
Se	77	1931.280	0.007	18.804838	ug/L
Se	82	2434.121	0.010	18.800088	ug/L
Rh	103	294572.266	294572.266		ug/L
Ag	107	138610.089	0.472	18.734672	ug/L
Cd	111	32488.040	0.110	18.530526	ug/L
Cd	114	76841.152	0.261	18.857920	ug/L
In	115	235852.843	235852.843		ug/L
Sb	121	119008.398	0.502	20.284367	ug/L
Sb	123	90843.884	0.383	20.212948	ug/L
Tl	203	138028.230	0.422	18.161835	ug/L
Tl	205	334486.843	1.023	19.573829	ug/L
Pb	208	470221.163	1.436	20.318808	ug/L
Bi	209	326986.531	326986.531		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344789.858	344789.858		ug/L
Be	9	4068.199	0.012	18.862481	ug/L
V	51	161717.308	0.650	20.948415	ug/L
Cu	63	109877.717	0.447	28.135850	ug/L
Cu	65	53240.210	0.217	28.538483	ug/L
Zn	66	19790.578	0.080	19.387892	ug/L
Zn	68	14798.467	0.059	19.656817	ug/L
Ge	72	244749.956	244749.956		ug/L
As	75	26434.210	0.108	20.644358	ug/L
Se	77	1934.281	0.007	18.709863	ug/L
Se	82	2470.015	0.010	18.752384	ug/L
Rh	103	289682.264	289682.264		ug/L
Ag	107	143293.458	0.496	19.656871	ug/L
Cd	111	32273.912	0.111	18.719862	ug/L
Cd	114	77214.441	0.287	19.276108	ug/L
In	115	233306.387	233306.387		ug/L
Sb	121	119556.444	0.512	20.589743	ug/L
Sb	123	91008.518	0.390	20.558649	ug/L
Tl	203	139867.856	0.436	19.810788	ug/L
Tl	205	327761.473	1.024	19.587746	ug/L
Pb	208	469398.018	1.465	20.724298	ug/L
Bi	209	320045.037	320045.037		ug/L

Sample Information

Sample ID: 1001400-BLK2
Autosampler Position: 99
Sample Date/Time: Monday, February 22, 2010 23:35:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001400-BLK2.117
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	342488.588	342488.588				ug/L
⌊	Be	9	1.333	-0.000	-0.001109	0.003	253.309	ug/L
⌈	V	51	2521.088	-0.000	-0.002386	0.008	329.426	ug/L
|	Cu	63	530.358	0.002	0.095100	0.004	4.156	ug/L
|	Cu	65	245.007	0.001	0.086423	0.007	8.187	ug/L
|	Zn	66	1986.629	0.008	1.834107	0.010	0.572	ug/L
|	Zn	68	1572.523	0.005	1.777659	0.130	7.302	ug/L
|>	Ge	72	245186.653	245186.653				ug/L
|	As	75	5.121	-0.000	-0.031935	0.047	146.712	ug/L
|	Se	77	117.669	-0.000	-0.086528	0.174	201.020	ug/L
⌊	Se	82	-49.818	0.000	0.069810	0.078	112.132	ug/L
⌈>	Rh	103	295524.026	295524.026				ug/L
|	Ag	107	90.668	0.000	0.010168	0.003	31.223	ug/L
|	Cd	111	1.967	0.000	0.000687	0.003	494.824	ug/L
⌊	Cd	114	5.095	-0.000	-0.000848	0.001	147.187	ug/L
⌈>	In	115	239904.622	239904.622				ug/L
|	Sb	121	368.347	0.001	0.051396	0.008	15.242	ug/L
⌊	Sb	123	275.295	0.001	0.051157	0.002	3.424	ug/L
⌈	Tl	203	24.334	-0.000	-0.001999	0.001	33.479	ug/L
|	Tl	205	53.334	-0.000	-0.001859	0.000	15.544	ug/L
|	Pb	208	1239.721	0.002	0.030640	0.004	14.649	ug/L
⌊>	Bi	209	326387.637	326387.637				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.599
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.500
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.989
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.524

: 00694

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.482

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	338791.406	338791.406		ug/L
Be	9	2.000	0.000	0.002136	ug/L
V	51	2488.358	-0.000	-0.007712	ug/L
Cu	63	531.026	0.002	0.095832	ug/L
Cu	65	230.006	0.001	0.079006	ug/L
Zn	66	1987.291	0.008	1.824718	ug/L
Zn	68	1494.171	0.005	1.661883	ug/L
Ge	72	243878.207	243878.207		ug/L
As	75	32.466	0.000	-0.010483	ug/L
Se	77	113.002	0.000	0.126308	ug/L
Se	82	-37.544	0.000	0.158088	ug/L
Rh	103	296183.816	296183.816		ug/L
Ag	107	84.001	0.000	0.009228	ug/L
Cd	111	8.348	0.000	0.004316	ug/L
Cd	114	5.748	-0.000	-0.000886	ug/L
In	115	241285.924	241285.924		ug/L
Sb	121	420.017	0.001	0.050887	ug/L
Sb	123	268.904	0.001	0.049547	ug/L
Tl	203	24.000	-0.000	-0.002081	ug/L
Tl	205	58.001	-0.000	-0.001626	ug/L
Pb	208	1161.048	0.002	0.026574	ug/L
Bi	209	330404.170	330404.170		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343182.128	343182.128		ug/L
Be	9	1.000	-0.000	-0.002702	ug/L
V	51	2586.505	0.000	0.008842	ug/L
Cu	63	543.026	0.002	0.098588	ug/L
Cu	65	257.007	0.001	0.083088	ug/L
Zn	66	1981.296	0.008	1.832174	ug/L
Zn	68	1679.214	0.008	1.825388	ug/L
Ge	72	244775.819	244775.819		ug/L
As	75	84.001	0.000	0.085671	ug/L
Se	77	136.003	0.000	0.104808	ug/L
Se	82	-57.380	0.000	0.012939	ug/L
Rh	103	297893.794	297893.794		ug/L
Ag	107	72.001	0.000	0.007588	ug/L
Cd	111	1.048	0.000	0.000172	ug/L
Cd	114	9.874	0.000	0.000311	ug/L
In	115	237165.844	237165.844		ug/L
Sb	121	368.013	0.001	0.050359	ug/L
Sb	123	271.001	0.001	0.050903	ug/L
Tl	203	29.000	-0.000	0.001288	ug/L
Tl	205	54.001	-0.000	-0.001787	ug/L
Pb	208	1330.061	0.003	0.035488	ug/L
Bi	209	321123.886	321123.886		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	347492.230	347492.230		ug/L
Be	9	1.000	-0.000	-0.002780	ug/L
V	51	2509.398	-0.000	0.008089	ug/L
Cu	63	517.024	0.001	0.080797	ug/L
Cu	65	248.007	0.001	0.087188	ug/L
Zn	66	2011.303	0.008	1.845430	ug/L
Zn	68	1544.182	0.006	1.725708	ug/L
Ge	72	246806.934	246806.934		ug/L
As	75	46.898	0.000	0.000358	ug/L
Se	77	104.002	-0.000	-0.235088	ug/L
Se	82	-54.529	0.000	0.037402	ug/L
Rh	103	292894.388	292894.388		ug/L
Ag	107	116.002	0.000	0.013706	ug/L
Cd	111	-3.497	0.000	0.002426	ug/L
Cd	114	0.338	-0.000	-0.002170	ug/L
In	115	241262.098	241262.098		ug/L
Sb	121	327.011	0.001	0.044130	ug/L
Sb	123	285.379	0.001	0.053022	ug/L
Tl	203	20.000	0.000	0.002617	ug/L
Tl	205	48.001	0.000	-0.002182	ug/L
Pb	208	1228.053	0.002	0.029888	ug/L
Bi	209	327634.856	327634.856		ug/L

Sample ID: 1001400-BLK2
Report Date/Time: Monday, February 22, 2010 23:37:38

Sample Information

Sample ID: 1001400-BS2
Autosampler Position: 100
Sample Date/Time: Monday, February 22, 2010 23:39:05
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001400-BS2.118
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	346796.336	346796.336				ug/L
⌊	Be	9	3823.061	0.011	17.623809	0.387	2.197	ug/L
⌈	V	51	145315.031	0.588	18.926860	0.150	0.791	ug/L
|	Cu	63	76065.652	0.312	19.639165	0.077	0.393	ug/L
|	Cu	65	35610.238	0.146	19.209203	0.157	0.817	ug/L
|	Zn	66	21118.719	0.086	20.823621	0.203	0.974	ug/L
|	Zn	68	15353.639	0.062	20.557091	0.248	1.208	ug/L
|>	Ge	72	243025.617	243025.617				ug/L
|	As	75	23574.878	0.097	18.448644	0.339	1.838	ug/L
|	Se	77	1832.920	0.007	17.794432	0.380	2.134	ug/L
⌊	Se	82	2309.993	0.010	17.688039	0.193	1.093	ug/L
⌈>	Rh	103	295536.670	295536.670				ug/L
|	Ag	107	138886.795	0.470	18.673281	0.393	2.106	ug/L
|	Cd	111	31222.659	0.106	17.747201	0.420	2.367	ug/L
⌊	Cd	114	74420.571	0.252	18.206753	0.288	1.583	ug/L
⌈>	In	115	237588.837	237588.837				ug/L
|	Sb	121	107921.086	0.454	18.339236	0.422	2.302	ug/L
⌊	Sb	123	82786.466	0.348	18.364319	0.252	1.374	ug/L
⌈	Tl	203	134132.418	0.408	18.538904	0.146	0.788	ug/L
|	Tl	205	319418.952	0.972	18.610230	0.256	1.375	ug/L
|	Pb	208	430613.844	1.309	18.523376	0.100	0.538	ug/L
⌊>	Bi	209	328440.657	328440.657				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.789
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.632
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.993
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.573

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.102

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348080.328	348080.328		ug/L
Be	9	3750.022	0.011	17.221740	ug/L
V	51	144581.268	0.587	18.905204	ug/L
Cu	63	75430.946	0.311	19.552582	ug/L
Cu	65	35272.228	0.146	19.101908	ug/L
Zn	66	21248.766	0.087	21.033455	ug/L
Zn	68	15108.112	0.061	20.304564	ug/L
Ge	72	242088.744	242088.744		ug/L
As	75	23138.703	0.096	18.176054	ug/L
Se	77	1818.249	0.007	17.888802	ug/L
Se	82	2304.768	0.010	17.716831	ug/L
Rh	103	291778.944	291778.944		ug/L
Ag	107	140476.281	0.481	19.127458	ug/L
Cd	111	31616.158	0.108	18.200388	ug/L
Cd	114	74753.650	0.256	18.531337	ug/L
In	115	237621.504	237621.504		ug/L
Sb	121	105728.772	0.449	17.981889	ug/L
Sb	123	81804.603	0.348	18.184846	ug/L
Tl	203	134328.847	0.410	18.801082	ug/L
Tl	205	319334.256	0.974	18.638153	ug/L
Pb	208	427301.724	1.302	18.414104	ug/L
Bi	209	327848.328	327848.328		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	345512.562	345512.562		ug/L
Be	9	3869.097	0.011	17.994018	ug/L
V	51	145201.184	0.583	18.799208	ug/L
Cu	63	76791.340	0.313	19.701022	ug/L
Cu	65	35702.380	0.146	19.136310	ug/L
Zn	66	21068.200	0.086	20.828403	ug/L
Zn	68	15457.863	0.062	20.565542	ug/L
Ge	72	244578.216	244578.216		ug/L
As	75	23588.238	0.096	18.341538	ug/L
Se	77	1885.268	0.007	18.218457	ug/L
Se	82	2297.056	0.010	17.481930	ug/L
Rh	103	300003.502	300003.502		ug/L
Ag	107	139300.588	0.484	18.447182	ug/L
Cd	111	31561.113	0.105	17.670472	ug/L
Cd	114	74512.782	0.248	17.955347	ug/L
In	115	239998.727	239998.727		ug/L
Sb	121	108580.837	0.452	18.260828	ug/L
Sb	123	83248.617	0.347	18.280082	ug/L
Tl	203	132840.192	0.406	18.371986	ug/L
Tl	205	314588.868	0.958	18.341188	ug/L
Pb	208	430877.979	1.311	18.546658	ug/L
Bi	209	326232.378	326232.378		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346788.119	346788.119		ug/L
Be	9	3830.066	0.011	17.656689	ug/L
V	51	146162.610	0.590	19.086168	ug/L
Cu	63	75974.808	0.313	19.663810	ug/L
Cu	65	35656.129	0.146	19.380391	ug/L
Zn	66	21053.191	0.086	20.808004	ug/L
Zn	68	15484.943	0.063	20.801178	ug/L
Ge	72	242432.880	242432.880		ug/L
As	75	24000.893	0.098	18.828343	ug/L
Se	77	1798.244	0.007	17.480236	ug/L
Se	82	2328.157	0.010	17.868567	ug/L
Rh	103	294829.584	294829.584		ug/L
Ag	107	136883.504	0.464	18.445206	ug/L
Cd	111	30490.706	0.103	17.370744	ug/L
Cd	114	73995.281	0.251	18.143678	ug/L
In	115	235148.280	235148.280		ug/L
Sb	121	109475.861	0.455	18.795022	ug/L
Sb	123	83208.278	0.354	18.648029	ug/L
Tl	203	135218.216	0.411	18.643644	ug/L
Tl	205	324323.734	0.985	18.850349	ug/L
Pb	208	433661.831	1.318	18.609366	ug/L
Bi	209	329241.268	329241.268		ug/L

00697

Sample Information

Sample ID: 1002144-20
Autosampler Position: 101
Sample Date/Time: Monday, February 22, 2010 23:47:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-20.119
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	339168.799	339168.799				ug/L
⌊	Be	9	2.000	0.000	0.002079	0.005	228.634	ug/L
⌈	V	51	17484.787	0.061	1.961143	0.035	1.779	ug/L
|	Cu	63	7940.825	0.032	1.993313	0.020	1.025	ug/L
|	Cu	65	3760.361	0.015	1.968206	0.056	2.860	ug/L
|	Zn	66	1120.766	0.004	0.981988	0.017	1.682	ug/L
|	Zn	68	1174.775	0.004	1.239316	0.027	2.184	ug/L
|>	Ge	72	245441.486	245441.486				ug/L
|	As	75	4471.301	0.018	3.435403	0.042	1.231	ug/L
|	Se	77	139.669	0.000	0.138888	0.102	73.142	ug/L
⌊	Se	82	-43.870	0.000	0.114234	0.096	83.667	ug/L
⌈>	Rh	103	300219.320	300219.320				ug/L
|	Ag	107	90.668	0.000	0.009957	0.001	8.748	ug/L
|	Cd	111	8.960	0.000	0.004595	0.003	63.084	ug/L
⌊	Cd	114	8.762	0.000	0.000022	0.001	3681.288	ug/L
⌈>	In	115	241823.424	241823.424				ug/L
|	Sb	121	6717.558	0.028	1.111595	0.021	1.886	ug/L
⌊	Sb	123	5112.252	0.021	1.105551	0.036	3.297	ug/L
⌈	Tl	203	40.001	0.000	0.000132	0.000	156.466	ug/L
|	Tl	205	72.001	-0.000	-0.000789	0.001	95.556	ug/L
|	Pb	208	6147.096	0.017	0.241369	0.010	4.152	ug/L
⌊>	Bi	209	328899.483	328899.483				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.682
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.602
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.562
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.312

: 00698

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.240

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	339980.303	339980.303		ug/L
Be	9	2.000	0.000	0.002046	ug/L
V	51	17635.438	0.052	1.980486	ug/L
Cu	63	7817.354	0.031	1.970125	ug/L
Cu	65	3632.980	0.015	1.908227	ug/L
Zn	66	1106.097	0.004	0.972125	ug/L
Zn	68	1191.111	0.004	1.268022	ug/L
Ga	72	244417.868	244417.868		ug/L
As	75	4297.848	0.018	3.392891	ug/L
Se	77	-148.003	0.000	0.231183	ug/L
Se	82	-39.508	0.000	0.148032	ug/L
Rh	103	300611.184	300611.184		ug/L
Ag	107	93.002	0.000	0.010256	ug/L
Cd	111	2.983	0.000	0.001248	ug/L
Cd	114	6.527	-0.000	0.000493	ug/L
In	115	239882.751	239882.751		ug/L
Sb	121	6788.280	0.026	1.132108	ug/L
Sb	123	5247.724	0.022	1.144009	ug/L
Tl	203	42.001	0.000	0.000286	ug/L
Tl	205	80.001	0.000	-0.001363	ug/L
Pb	208	5998.048	0.016	0.229813	ug/L
Bi	209	335494.448	335494.448		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	339863.081	339863.081		ug/L
Be	9	1.000	0.000	0.002658	ug/L
V	51	17538.943	0.051	1.970349	ug/L
Cu	63	7983.518	0.032	2.001139	ug/L
Cu	65	3853.077	0.016	2.019803	ug/L
Zn	66	1139.102	0.004	1.001058	ug/L
Zn	68	1156.108	0.004	1.214298	ug/L
Ga	72	245208.214	245208.214		ug/L
As	75	4526.943	0.018	3.477357	ug/L
Se	77	129.002	0.000	0.030080	ug/L
Se	82	-33.474	0.000	0.190813	ug/L
Rh	103	300804.148	300804.148		ug/L
Ag	107	96.002	0.000	0.010840	ug/L
Cd	111	11.918	0.000	0.005236	ug/L
Cd	114	12.816	0.000	0.000848	ug/L
In	115	241016.984	241016.984		ug/L
Sb	121	6701.209	0.026	1.112472	ug/L
Sb	123	5076.088	0.021	1.101144	ug/L
Tl	203	38.000	0.000	0.000100	ug/L
Tl	205	84.001	0.000	0.000058	ug/L
Pb	208	6221.130	0.017	0.246625	ug/L
Bi	209	326231.782	326231.782		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	337573.044	337573.044		ug/L
Be	9	3.000	0.000	0.008850	ug/L
V	51	17279.983	0.050	1.922583	ug/L
Cu	63	9043.805	0.032	2.008674	ug/L
Cu	65	3795.048	0.015	1.976488	ug/L
Zn	66	1117.099	0.004	0.972782	ug/L
Zn	68	1178.108	0.004	1.235668	ug/L
Ge	72	246700.378	246700.378		ug/L
As	75	4496.012	0.018	3.436080	ug/L
Se	77	142.003	0.000	0.156420	ug/L
Se	82	-58.631	0.000	0.007056	ug/L
Rh	103	299342.617	299342.617		ug/L
Ag	107	83.001	0.000	0.009876	ug/L
Cd	111	11.978	0.000	0.006302	ug/L
Cd	114	7.044	0.000	0.000388	ug/L
In	115	244570.528	244570.528		ug/L
Sb	121	6686.175	0.027	1.090203	ug/L
Sb	123	5013.432	0.020	1.071499	ug/L
Tl	203	40.001	0.000	0.000200	ug/L
Tl	205	72.001	0.000	0.000745	ug/L
Pb	208	6221.109	0.018	0.247688	ug/L
Bi	209	324972.240	324972.240		ug/L

: 00699

Sample Information

Sample ID: 1001400-MS2
Autosampler Position: 102
Sample Date/Time: Monday, February 22, 2010 23:50:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001400-MS2.120
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	346183.490	346183.490				ug/L
⌊	Be	9	3898.102	0.011	18.004071	0.431	2.395	ug/L
⌈	V	51	162847.006	0.654	21.062679	0.198	0.939	ug/L
|	Cu	63	82864.407	0.337	21.214435	0.410	1.932	ug/L
|	Cu	65	39069.619	0.159	20.897119	0.267	1.279	ug/L
|	Zn	66	18644.822	0.076	18.211032	0.297	1.633	ug/L
|	Zn	68	13687.907	0.055	18.127205	0.018	0.100	ug/L
|>	Ge	72	245163.876	245163.876				ug/L
|	As	75	28002.585	0.114	21.731127	0.306	1.406	ug/L
|	Se	77	1788.242	0.007	17.167375	0.352	2.053	ug/L
⌊	Se	82	2290.953	0.010	17.397791	0.432	2.481	ug/L
⌈>	Rh	103	295630.346	295630.346				ug/L
|	Ag	107	139570.161	0.472	18.755691	0.158	0.840	ug/L
|	Cd	111	31645.838	0.107	17.982509	0.247	1.372	ug/L
⌊	Cd	114	73472.607	0.249	17.972603	0.575	3.202	ug/L
⌈>	In	115	240008.920	240008.920				ug/L
|	Sb	121	116231.603	0.484	19.552378	0.275	1.407	ug/L
⌊	Sb	123	89964.500	0.375	19.758031	0.501	2.537	ug/L
⌈	Tl	203	134944.237	0.413	18.748367	0.127	0.678	ug/L
|	Tl	205	322965.092	0.988	18.919323	0.515	2.724	ug/L
|	Pb	208	437767.427	1.338	18.930971	0.229	1.211	ug/L
⌊>	Bi	209	326767.868	326767.868				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.620
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.491
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.024
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.566

: 00700

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	98.597

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	344186.226	344186.226		ug/L
Be	9	3864.084	0.011	17.946638	ug/L
V	51	184941.104	0.654	21.071580	ug/L
Cu	63	82037.233	0.330	20.741588	ug/L
Cu	65	39286.134	0.158	20.753381	ug/L
Zn	66	18584.278	0.074	17.905877	ug/L
Zn	68	13842.538	0.055	18.106984	ug/L
Ge	72	248204.188	248204.188		ug/L
As	75	27971.114	0.113	21.437840	ug/L
Se	77	1834.294	0.007	17.410874	ug/L
Se	82	2280.863	0.009	16.988324	ug/L
Rh	103	290102.784	290102.784		ug/L
Ag	107	136513.520	0.471	18.695103	ug/L
Cd	111	31528.631	0.108	18.253586	ug/L
Cd	114	74566.662	0.257	18.808556	ug/L
In	115	242254.985	242254.985		ug/L
Sb	121	115433.410	0.476	19.236879	ug/L
Sb	123	88316.389	0.364	19.212787	ug/L
Tl	203	136405.484	0.411	18.652814	ug/L
Tl	205	318286.977	0.959	18.347092	ug/L
Pb	208	439319.251	1.322	18.697148	ug/L
Bi	209	331972.447	331972.447		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	342827.314	342827.314		ug/L
Be	9	3980.137	0.012	18.461025	ug/L
V	51	181329.711	0.648	20.660687	ug/L
Cu	63	83737.814	0.341	21.433538	ug/L
Cu	65	38768.316	0.158	20.732446	ug/L
Zn	66	16666.543	0.076	18.227316	ug/L
Zn	68	13700.263	0.056	18.142141	ug/L
Ge	72	245186.821	245186.821		ug/L
As	75	27978.354	0.114	21.707844	ug/L
Se	77	1748.232	0.007	16.763190	ug/L
Se	82	2350.015	0.010	17.831688	ug/L
Rh	103	298598.412	298598.412		ug/L
Ag	107	142311.087	0.477	18.934581	ug/L
Cd	111	31862.004	0.107	17.922884	ug/L
Cd	114	72213.820	0.242	17.483198	ug/L
In	115	240508.302	240508.302		ug/L
Sb	121	117588.316	0.488	19.739958	ug/L
Sb	123	90843.033	0.377	19.862440	ug/L
Tl	203	135381.901	0.412	18.699791	ug/L
Tl	205	327368.667	0.998	19.063888	ug/L
Pb	208	440504.962	1.339	18.940216	ug/L
Bi	209	328801.799	328801.799		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	351428.930	351428.930		ug/L
Be	9	3870.087	0.011	17.804549	ug/L
V	51	182270.202	0.680	21.258780	ug/L
Cu	63	82818.178	0.341	21.468208	ug/L
Cu	65	38153.408	0.161	21.206647	ug/L
Zn	66	18704.646	0.077	18.499903	ug/L
Zn	68	13520.920	0.056	18.132518	ug/L
Ge	72	242101.941	242101.941		ug/L
As	75	28058.286	0.116	22.047898	ug/L
Se	77	1781.240	0.007	17.328080	ug/L
Se	82	2261.983	0.010	17.393366	ug/L
Rh	103	298189.861	298189.861		ug/L
Ag	107	139886.867	0.468	18.637381	ug/L
Cd	111	31548.878	0.106	17.771057	ug/L
Cd	114	73537.340	0.247	17.826058	ug/L
In	115	237263.472	237263.472		ug/L
Sb	121	115863.083	0.487	19.680800	ug/L
Sb	123	90934.079	0.383	20.196887	ug/L
Tl	203	133085.327	0.416	18.892696	ug/L
Tl	205	323249.642	1.011	19.346990	ug/L
Pb	208	433478.089	1.354	19.155650	ug/L
Bi	209	319729.357	319729.357		ug/L

: 00701

Sample Information

Sample ID: 1001400-MSD2
Autosampler Position: 103
Sample Date/Time: Monday, February 22, 2010 23:54:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001400-MSD2.121
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	344619.110	344619.110				ug/L
⌊	Be	9	3993.157	0.012	18.526268	0.729	3.935	ug/L
⌈	V	51	163903.694	0.661	21.288585	0.305	1.434	ug/L
|	Cu	63	83362.466	0.341	21.425961	0.087	0.406	ug/L
|	Cu	65	40274.635	0.165	21.629577	0.334	1.546	ug/L
|	Zn	66	19226.370	0.078	18.857447	0.310	1.644	ug/L
|	Zn	68	14093.367	0.057	18.750676	0.279	1.490	ug/L
|>	Ge	72	244173.077	244173.077				ug/L
|	As	75	27763.682	0.114	21.631278	0.301	1.393	ug/L
|	Se	77	1858.260	0.007	17.968436	0.195	1.087	ug/L
⌊	Se	82	2362.579	0.010	17.996523	0.573	3.184	ug/L
⌈>	Rh	103	293733.783	293733.783				ug/L
|	Ag	107	137224.857	0.467	18.560056	0.286	1.540	ug/L
|	Cd	111	31660.294	0.108	18.104678	0.243	1.340	ug/L
⌊	Cd	114	74964.111	0.255	18.449715	0.132	0.716	ug/L
⌈>	In	115	238661.844	238661.844				ug/L
|	Sb	121	117706.847	0.493	19.913617	0.417	2.096	ug/L
⌊	Sb	123	89989.892	0.377	19.873073	0.200	1.007	ug/L
⌈	Tl	203	135802.849	0.420	19.061682	0.036	0.191	ug/L
|	Tl	205	320959.785	0.992	18.990781	0.110	0.577	ug/L
|	Pb	208	440093.820	1.359	19.227312	0.284	1.478	ug/L
⌊>	Bi	209	323415.727	323415.727				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.188
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.093
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.389
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.013

: 00702

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.585

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346219.600	346219.600		ug/L
Be	9	3978.147	0.011	18.388987	ug/L
V	51	181612.156	0.560	20.837735	ug/L
Cu	63	83163.366	0.339	21.331467	ug/L
Cu	65	39986.059	0.163	21.429874	ug/L
Zn	66	19388.472	0.079	18.973710	ug/L
Zn	68	14254.361	0.057	18.925882	ug/L
Ge	72	244725.128	244725.128		ug/L
As	75	27666.218	0.113	21.508711	ug/L
Se	77	1864.259	0.007	17.883886	ug/L
Se	82	2315.887	0.010	17.811193	ug/L
Rh	103	293124.480	293124.480		ug/L
Ag	107	137408.484	0.469	18.622806	ug/L
Cd	111	32082.031	0.109	18.383876	ug/L
Cd	114	75085.494	0.256	18.513089	ug/L
In	115	240382.171	240382.171		ug/L
Sb	121	118123.467	0.489	19.503489	ug/L
Sb	123	89738.819	0.373	19.674092	ug/L
Tl	203	136628.809	0.419	19.041778	ug/L
Tl	205	323107.417	0.992	18.996492	ug/L
Pb	208	435467.706	1.335	18.903821	ug/L
Bi	209	325483.784	325483.784		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342152.442	342152.442		ug/L
Be	9	4135.238	0.012	19.321268	ug/L
V	51	184888.603	0.687	21.493318	ug/L
Cu	63	83043.774	0.341	21.443819	ug/L
Cu	65	40802.618	0.169	22.016581	ug/L
Zn	66	19374.434	0.079	19.082482	ug/L
Zn	68	13780.437	0.056	18.428409	ug/L
Ge	72	243035.978	243035.978		ug/L
As	75	28073.853	0.115	21.875041	ug/L
Se	77	1836.254	0.007	17.629880	ug/L
Se	82	2314.919	0.010	17.723477	ug/L
Rh	103	294384.978	294384.978		ug/L
Ag	107	139366.726	0.473	18.808557	ug/L
Cd	111	31444.444	0.107	17.942383	ug/L
Cd	114	75468.037	0.258	18.538120	ug/L
In	115	239456.562	239456.562		ug/L
Sb	121	118040.527	0.493	19.501383	ug/L
Sb	123	90284.667	0.377	19.670892	ug/L
Tl	203	135833.737	0.421	19.103784	ug/L
Tl	205	322120.289	0.998	19.087381	ug/L
Pb	208	444018.418	1.374	19.436386	ug/L
Bi	209	322775.920	322775.920		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	345486.288	345486.288		ug/L
Be	9	3886.085	0.011	17.888912	ug/L
V	51	165410.322	0.626	21.434703	ug/L
Cu	63	83880.238	0.342	21.502478	ug/L
Cu	65	40026.233	0.163	21.443508	ug/L
Zn	66	18816.203	0.077	18.508140	ug/L
Zn	68	14235.313	0.057	18.897642	ug/L
Ge	72	244758.231	244758.231		ug/L
As	75	27550.977	0.112	21.413082	ug/L
Se	77	1884.267	0.007	18.191753	ug/L
Se	82	2456.950	0.010	18.654866	ug/L
Rh	103	293711.892	293711.892		ug/L
Ag	107	134805.381	0.458	18.247808	ug/L
Cd	111	31454.408	0.107	17.987977	ug/L
Cd	114	74341.903	0.253	18.267928	ug/L
In	115	238147.798	238147.798		ug/L
Sb	121	118956.548	0.503	20.338978	ug/L
Sb	123	88848.200	0.381	20.074234	ug/L
Tl	203	135046.002	0.418	19.039488	ug/L
Tl	205	317661.849	0.988	18.878489	ug/L
Pb	208	440777.339	1.367	19.341730	ug/L
Bi	209	321987.497	321987.497		ug/L

Sample Information

Sample ID: 0B22027-SRD6
Autosampler Position: 104
Sample Date/Time: Tuesday, February 23, 2010 00:02:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-SRD6.122
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	340756.696	340756.696				ug/L
	Be	9	1.667	0.000	0.000454	0.010	2149.509	ug/L
	V	51	5330.249	0.011	0.369012	0.018	4.937	ug/L
	Cu	63	1800.245	0.007	0.422147	0.005	1.195	ug/L
	Cu	65	821.722	0.003	0.396918	0.016	4.030	ug/L
	Zn	66	364.013	0.001	0.240509	0.006	2.509	ug/L
	Zn	68	458.019	0.001	0.276131	0.051	18.496	ug/L
>	Ge	72	244427.597	244427.597				ug/L
	As	75	874.876	0.003	0.646037	0.044	6.852	ug/L
	Se	77	133.669	0.000	0.083726	0.141	168.262	ug/L
	Se	82	-37.385	0.000	0.161335	0.055	33.801	ug/L
>	Rh	103	299315.126	299315.126				ug/L
	Ag	107	89.001	0.000	0.009775	0.000	3.219	ug/L
	Cd	111	3.242	0.000	0.001386	0.002	119.361	ug/L
	Cd	114	5.288	-0.000	-0.000815	0.001	83.057	ug/L
>	In	115	239707.708	239707.708				ug/L
	Sb	121	1574.523	0.006	0.254763	0.008	3.092	ug/L
	Sb	123	1149.559	0.005	0.243561	0.006	2.353	ug/L
	Tl	203	26.000	-0.000	-0.001766	0.000	22.633	ug/L
	Tl	205	71.334	-0.000	-0.000793	0.000	54.737	ug/L
	Pb	208	1583.751	0.003	0.045649	0.001	1.210	ug/L
>	Bi	209	325708.123	325708.123				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	94.121
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.195
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.259
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.443

00704

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	98.277

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	340880.600	340880.600		ug/L
Be	9	1.000	0.000	-0.002888	ug/L
V	51	5308.414	0.012	0.375178	ug/L
Cr	53	1781.240	0.007	0.423333	ug/L
Cu	65	841.058	0.003	0.413230	ug/L
Zn	66	381.013	0.001	0.242188	ug/L
Zn	68	496.022	0.001	0.334815	ug/L
Ge	72	241246.718	241246.718		ug/L
As	75	898.486	0.004	0.872240	ug/L
Se	77	131.003	0.000	0.072908	ug/L
Se	82	34.341	0.000	0.180027	ug/L
Rh	103	297398.798	297398.798		ug/L
Ag	107	87.001	0.000	0.009583	ug/L
Cd	111	1.354	0.000	0.000348	ug/L
Cd	114	2.372	0.000	0.001511	ug/L
In	115	239804.024	239804.024		ug/L
Sb	121	1600.196	0.008	0.258924	ug/L
Sb	123	1145.800	0.005	0.242542	ug/L
Tl	203	29.000	-0.000	-0.001371	ug/L
Tl	205	64.001	-0.000	-0.001248	ug/L
Pb	208	1598.086	0.003	0.045888	ug/L
Bi	209	327725.894	327725.894		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	340509.650	340509.650		ug/L
Be	9	0.000	-0.000	0.007382	ug/L
V	51	5408.711	0.012	0.383347	ug/L
Cr	53	1788.237	0.007	0.416813	ug/L
Cu	65	788.051	0.003	0.381257	ug/L
Zn	66	387.013	0.001	0.245630	ug/L
Zn	68	439.018	0.001	0.253461	ug/L
Ge	72	243002.778	243002.778		ug/L
As	75	804.417	0.003	0.594929	ug/L
Se	77	147.003	0.000	0.229701	ug/L
Se	82	31.372	0.000	0.204084	ug/L
Rh	103	296882.027	296882.027		ug/L
Ag	107	91.001	0.000	0.010139	ug/L
Cd	111	1.658	0.000	0.000519	ug/L
Cd	114	5.391	-0.000	-0.000775	ug/L
In	115	236738.688	236738.688		ug/L
Sb	121	1584.181	0.008	0.259688	ug/L
Sb	123	1163.225	0.005	0.249732	ug/L
Tl	203	23.000	-0.000	-0.002170	ug/L
Tl	205	78.001	-0.000	-0.000884	ug/L
Pb	208	1563.082	0.003	0.045017	ug/L
Bi	209	324441.926	324441.926		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	341098.838	341098.838		ug/L
Be	9	4.000	0.000	0.011302	ug/L
V	51	5273.821	0.011	0.348513	ug/L
Cr	53	1851.258	0.007	0.426488	ug/L
Cu	65	836.067	0.003	0.398268	ug/L
Zn	66	364.013	0.001	0.233813	ug/L
Zn	68	440.018	0.001	0.240316	ug/L
Ge	72	249033.297	249033.297		ug/L
As	75	923.725	0.004	0.670942	ug/L
Se	77	123.002	0.000	0.051432	ug/L
Se	82	46.443	0.000	0.099814	ug/L
Rh	103	303688.568	303688.568		ug/L
Ag	107	69.001	0.000	0.009805	ug/L
Cd	111	6.714	0.000	0.003294	ug/L
Cd	114	8.100	0.000	0.000159	ug/L
In	115	242582.412	242582.412		ug/L
Sb	121	1539.181	0.008	0.245878	ug/L
Sb	123	1139.851	0.005	0.238408	ug/L
Tl	203	26.000	0.000	0.001756	ug/L
Tl	205	72.001	0.000	0.000745	ug/L
Pb	208	1589.084	0.003	0.046041	ug/L
Bi	209	324956.550	324956.550		ug/L

: 00705

Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Tuesday, February 23, 2010 00:05:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.123
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	344449.449	344449.449				ug/L
	Be	9	8033.929	0.023	37.294063	0.160	0.430	ug/L
	V	51	284747.894	1.171	37.720484	0.226	0.599	ug/L
	Cu	63	149591.021	0.620	38.985837	0.516	1.323	ug/L
	Cu	65	72190.725	0.299	39.315714	0.848	2.157	ug/L
	Zn	66	38764.960	0.160	38.641637	0.428	1.108	ug/L
	Zn	68	28183.453	0.116	38.347073	1.085	2.829	ug/L
>	Ge	72	241031.516	241031.516				ug/L
	As	75	49699.173	0.206	39.254633	0.099	0.253	ug/L
	Se	77	3772.033	0.015	38.327442	0.450	1.173	ug/L
	Se	82	4958.091	0.021	37.769688	0.452	1.196	ug/L
>	Rh	103	293203.801	293203.801				ug/L
	Ag	107	283443.190	0.967	38.409555	0.303	0.789	ug/L
	Cd	111	65094.300	0.222	37.293135	0.549	1.473	ug/L
	Cd	114	152786.810	0.521	37.673446	0.288	0.764	ug/L
>	In	115	234762.515	234762.515				ug/L
	Sb	121	215655.405	0.918	37.094899	0.985	2.655	ug/L
	Sb	123	163847.988	0.698	36.790619	1.070	2.909	ug/L
	Tl	203	270854.595	0.840	38.158446	0.366	0.958	ug/L
	Tl	205	643531.194	1.997	38.219079	0.076	0.200	ug/L
	Pb	208	867639.952	2.691	38.063279	0.091	0.240	ug/L
>	Bi	209	322260.374	322260.374				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.141
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	96.831
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.212
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	96.412

00706

	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	97.237

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346217.501	346217.501		ug/L
Be	9	8099.638	0.023	37.268336	ug/L
V	51	266006.306	1.168	37.516803	ug/L
Cu	63	148691.270	0.611	38.428784	ug/L
Cu	65	71286.808	0.293	38.443083	ug/L
Zn	66	36866.761	0.156	38.168236	ug/L
Zn	68	27639.649	0.113	37.228298	ug/L
Ge	72	243377.211	243377.211		ug/L
As	75	50037.211	0.205	38.140088	ug/L
Se	77	3780.027	0.015	37.818340	ug/L
Se	82	4938.457	0.021	37.261298	ug/L
Rh	103	295011.986	298011.986		ug/L
Ag	107	283567.581	0.961	38.186274	ug/L
Cd	111	64618.682	0.219	38.781380	ug/L
Cd	114	154246.743	0.523	37.799806	ug/L
In	115	234563.486	234563.486		ug/L
Sb	121	208817.272	0.880	35.987723	ug/L
Sb	123	158388.841	0.675	35.587586	ug/L
Tl	203	275872.673	0.848	38.491876	ug/L
Tl	205	647838.327	1.992	38.131186	ug/L
Pb	208	673523.562	2.066	37.979142	ug/L
Bi	209	325161.673	325161.673		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343934.036	343934.036		ug/L
Be	9	7990.647	0.023	37.148067	ug/L
V	51	264184.140	1.170	37.678080	ug/L
Cu	63	149866.124	0.622	39.090888	ug/L
Cu	65	72222.003	0.300	39.387244	ug/L
Zn	66	38841.708	0.161	38.754921	ug/L
Zn	68	28211.886	0.116	38.418480	ug/L
Ge	72	240788.636	240788.636		ug/L
As	75	49726.370	0.206	38.315238	ug/L
Se	77	3801.049	0.015	38.670296	ug/L
Se	82	5000.510	0.021	38.124620	ug/L
Rh	103	291183.441	291183.441		ug/L
Ag	107	284031.883	0.976	38.755113	ug/L
Cd	111	65686.931	0.226	37.879803	ug/L
Cd	114	152552.672	0.524	37.878431	ug/L
In	115	235804.782	235804.782		ug/L
Sb	121	219137.872	0.929	37.527588	ug/L
Sb	123	165987.738	0.704	37.108448	ug/L
Tl	203	267566.888	0.832	37.767468	ug/L
Tl	205	643137.640	1.998	38.268458	ug/L
Pb	208	868193.809	2.699	38.180274	ug/L
Bi	209	321844.560	321844.560		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343198.809	343198.809		ug/L
Be	9	8041.606	0.023	37.466796	ug/L
V	51	264084.178	1.178	37.984560	ug/L
Cu	63	150028.670	0.627	39.440786	ug/L
Cu	65	73063.506	0.306	40.136636	ug/L
Zn	66	38786.409	0.162	39.001756	ug/L
Zn	68	28698.824	0.119	39.394463	ug/L
Ge	72	238928.699	238928.699		ug/L
As	75	49333.809	0.206	39.308646	ug/L
Se	77	3755.024	0.016	38.493689	ug/L
Se	82	4936.306	0.021	37.922947	ug/L
Rh	103	293418.097	293418.097		ug/L
Ag	107	282740.108	0.964	38.286277	ug/L
Cd	111	64997.278	0.222	37.208213	ug/L
Cd	114	151582.014	0.517	37.344100	ug/L
In	115	232929.278	232929.278		ug/L
Sb	121	218911.072	0.936	37.788386	ug/L
Sb	123	167150.287	0.714	37.665814	ug/L
Tl	203	266331.443	0.842	38.215093	ug/L
Tl	205	639817.614	1.999	38.257588	ug/L
Pb	208	861202.487	2.690	38.060421	ug/L
Bi	209	319975.001	319975.001		ug/L

: 00707

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Tuesday, February 23, 2010 00:14:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.124
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	337868.537	337868.537				ug/L
⌊	Be	9	2.333	0.000	0.003626	0.005	147.282	ug/L
⌈	V	51	2169.042	-0.001	-0.044790	0.004	8.666	ug/L
|	Cu	63	191.004	0.000	0.008764	0.005	56.336	ug/L
|	Cu	65	95.335	0.000	0.006925	0.002	29.226	ug/L
|	Zn	66	139.669	0.000	0.020712	0.004	17.343	ug/L
|	Zn	68	275.008	0.000	0.032034	0.024	75.819	ug/L
\>	Ge	72	241940.108	241940.108				ug/L
|	As	75	-33.015	-0.000	-0.061719	0.018	29.027	ug/L
|	Se	77	132.003	0.000	0.078974	0.129	163.600	ug/L
⌊	Se	82	-56.180	0.000	0.018022	0.129	717.964	ug/L
⌈>	Rh	103	295974.974	295974.974				ug/L
|	Ag	107	80.335	0.000	0.008751	0.002	22.889	ug/L
|	Cd	111	1.815	0.000	0.000604	0.002	302.535	ug/L
⌊	Cd	114	11.658	0.000	0.000761	0.000	15.986	ug/L
⌈>	In	115	238109.782	238109.782				ug/L
|	Sb	121	543.026	0.002	0.081482	0.006	7.000	ug/L
⌊	Sb	123	409.846	0.002	0.081376	0.010	12.328	ug/L
⌈	Tl	203	35.667	-0.000	-0.000474	0.001	253.410	ug/L
|	Tl	205	79.668	-0.000	-0.000367	0.001	195.876	ug/L
|	Pb	208	1569.415	0.003	0.044157	0.003	6.205	ug/L
⌊>	Bi	209	329884.923	329884.923				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.323
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
\>	Ge	71.922	97.196
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.140
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.787

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.537

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	331881.017	331881.017		ug/L
Be	9	1.000	-0.000	-0.002540	ug/L
V	51	2177.656	-0.001	-0.046282	ug/L
Cu	63	172.004	0.000	0.003088	ug/L
Cu	65	93.002	0.000	0.004836	ug/L
Zn	66	138.003	0.000	0.016836	ug/L
Zn	68	280.007	0.000	0.005642	ug/L
Ge	72	245851.864	245851.864		ug/L
As	75	-56.023	-0.000	0.079270	ug/L
Se	77	136.003	0.000	0.119251	ug/L
Se	82	-73.491	0.000	0.104113	ug/L
Rh	103	295972.412	295972.412		ug/L
Ag	107	73.001	0.000	0.007756	ug/L
Cd	111	2.288	0.000	0.000879	ug/L
Cd	114	12.043	0.000	0.000854	ug/L
In	115	240866.224	240866.224		ug/L
Sb	121	586.030	0.002	0.087880	ug/L
Sb	123	463.516	0.002	0.082120	ug/L
Tl	203	39.000	-0.000	-0.000026	ug/L
Tl	205	89.001	0.000	0.000171	ug/L
Pb	208	1515.078	0.003	0.041743	ug/L
Bi	209	330346.849	330346.849		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	339684.157	339684.157		ug/L
Be	9	3.000	0.000	0.008782	ug/L
V	51	2143.078	-0.001	0.045478	ug/L
Cu	63	201.008	0.000	0.011828	ug/L
Cu	65	98.002	0.000	0.008876	ug/L
Zn	66	139.003	0.000	0.021374	ug/L
Zn	68	288.009	0.000	0.053447	ug/L
Ge	72	239693.429	239693.429		ug/L
As	75	-33.421	-0.000	0.062429	ug/L
Se	77	117.002	0.000	0.085569	ug/L
Se	82	-37.591	0.000	0.153622	ug/L
Rh	103	294287.894	294287.894		ug/L
Ag	107	97.002	0.000	0.011056	ug/L
Cd	111	-1.822	-0.000	-0.001348	ug/L
Cd	114	11.770	0.000	0.000804	ug/L
In	115	239494.073	239494.073		ug/L
Sb	121	518.024	0.002	0.078418	ug/L
Sb	123	370.638	0.001	0.072252	ug/L
Tl	203	28.000	-0.000	-0.001836	ug/L
Tl	205	85.001	-0.000	-0.000088	ug/L
Pb	208	1650.080	0.003	0.047135	ug/L
Bi	209	332178.714	332178.714		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	342280.437	342280.437		ug/L
Be	9	3.000	0.000	0.008656	ug/L
V	51	2186.381	-0.001	0.040811	ug/L
Cu	63	200.008	0.000	0.011396	ug/L
Cu	65	95.002	0.000	0.007082	ug/L
Zn	66	142.003	0.000	0.023828	ug/L
Zn	68	277.008	0.000	0.037013	ug/L
Ge	72	240375.046	240375.046		ug/L
As	75	9.602	0.000	-0.043460	ug/L
Se	77	141.003	0.000	0.183239	ug/L
Se	82	-57.458	0.000	0.004586	ug/L
Rh	103	297684.615	297684.615		ug/L
Ag	107	71.001	0.000	0.007437	ug/L
Cd	111	4.778	0.000	0.002277	ug/L
Cd	114	11.180	0.000	0.000823	ug/L
In	115	233988.050	233988.050		ug/L
Sb	121	527.025	0.002	0.080371	ug/L
Sb	123	395.386	0.002	0.079757	ug/L
Tl	203	42.001	0.000	0.000441	ug/L
Tl	205	65.001	0.000	-0.001183	ug/L
Pb	208	1543.079	0.003	0.043982	ug/L
Bi	209	327130.508	327130.508		ug/L

: 00709

Sample Information

Sample ID: 1001400-PS2
Autosampler Position: 105
Sample Date/Time: Tuesday, February 23, 2010 00:17:35
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001400-PS2.125
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	341791.999	341791.999				ug/L
⌊	Be	9	4124.899	0.012	19.292511	0.232	1.202	ug/L
⌈	V	51	167754.042	0.675	21.751750	0.669	3.077	ug/L
|	Cu	63	85691.492	0.350	21.979115	0.375	1.707	ug/L
|	Cu	65	40612.200	0.166	21.763573	0.260	1.196	ug/L
|	Zn	66	19922.616	0.081	19.500111	0.207	1.063	ug/L
|	Zn	68	14740.344	0.059	19.583358	0.202	1.033	ug/L
|>	Ge	72	244716.135	244716.135				ug/L
|	As	75	28988.820	0.118	22.537786	0.260	1.154	ug/L
|	Se	77	1869.263	0.007	18.040984	0.188	1.041	ug/L
⌊	Se	82	2402.337	0.010	18.255444	0.424	2.320	ug/L
⌈>	Rh	103	299017.806	299017.806				ug/L
|	Ag	107	142640.003	0.477	18.958705	0.557	2.940	ug/L
|	Cd	111	32575.147	0.109	18.303066	0.404	2.206	ug/L
⌊	Cd	114	76971.132	0.257	18.610720	0.231	1.243	ug/L
⌈>	In	115	241134.757	241134.757				ug/L
|	Sb	121	113688.738	0.471	19.035730	0.525	2.758	ug/L
⌊	Sb	123	85916.351	0.356	18.778377	0.247	1.317	ug/L
⌈	Tl	203	139476.998	0.426	19.331098	0.561	2.904	ug/L
|	Tl	205	333622.407	1.018	19.490974	0.538	2.762	ug/L
|	Pb	208	452129.978	1.379	19.502689	0.505	2.590	ug/L
⌊>	Bi	209	327728.712	327728.712				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.407
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.311
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.159
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.029

: 00710

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.887

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342998.002	342998.002		ug/L
Be	9	4125.232	0.012	19.232546	ug/L
V	51	171483.338	0.699	22.522987	ug/L
Cu	63	68117.888	0.358	22.365998	ug/L
Cu	65	40618.569	0.188	22.040880	ug/L
Zn	66	19824.116	0.081	19.450741	ug/L
Zn	68	14512.874	0.058	19.524709	ug/L
Ge	72	241681.389	241681.389		ug/L
As	75	28921.725	0.119	22.768773	ug/L
Se	77	1863.262	0.007	18.221461	ug/L
Se	82	2423.980	0.010	18.640832	ug/L
Rh	103	304707.519	304707.519		ug/L
Ag	107	141002.514	0.463	18.384293	ug/L
Cd	111	32385.208	0.108	17.840930	ug/L
Cd	114	77412.934	0.254	18.388268	ug/L
In	115	241812.976	241812.976		ug/L
Sb	121	110583.888	0.457	18.478810	ug/L
Sb	123	84968.743	0.351	18.531108	ug/L
Tl	203	139727.816	0.412	18.887012	ug/L
Tl	205	338208.523	0.988	18.908224	ug/L
Pb	208	454581.500	1.338	18.932338	ug/L
Bi	209	338250.810	338250.810		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339228.705	339228.705		ug/L
Be	9	4052.185	0.012	19.096472	ug/L
V	51	185641.306	0.682	21.321858	ug/L
Cu	63	84812.391	0.344	21.616982	ug/L
Cu	65	40784.569	0.165	21.725219	ug/L
Zn	66	20277.946	0.082	19.727872	ug/L
Zn	68	14908.861	0.060	19.808698	ug/L
Ge	72	246228.504	246228.504		ug/L
As	75	29805.986	0.117	22.256220	ug/L
Se	77	1882.267	0.007	18.054778	ug/L
Se	82	2358.987	0.010	17.902025	ug/L
Rh	103	298856.896	298856.896		ug/L
Ag	107	142885.398	0.478	18.994566	ug/L
Cd	111	32881.338	0.110	18.480292	ug/L
Cd	114	77828.548	0.260	18.626403	ug/L
In	115	243411.315	243411.315		ug/L
Sb	121	115208.793	0.473	19.107539	ug/L
Sb	123	86731.503	0.356	18.778139	ug/L
Tl	203	138821.389	0.430	19.531241	ug/L
Tl	205	330387.421	1.024	19.594783	ug/L
Pb	208	449467.448	1.391	19.662486	ug/L
Bi	209	322657.738	322657.738		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343250.288	343250.288		ug/L
Be	9	4197.275	0.012	19.548618	ug/L
V	51	188238.463	0.695	21.410407	ug/L
Cu	63	86144.200	0.349	21.954388	ug/L
Cu	65	40423.464	0.164	21.524580	ug/L
Zn	66	19886.786	0.080	19.321820	ug/L
Zn	68	14709.277	0.059	19.417165	ug/L
Ge	72	248258.513	248258.513		ug/L
As	75	29238.748	0.118	22.588384	ug/L
Se	77	1862.261	0.007	17.946712	ug/L
Se	82	2427.038	0.010	18.323477	ug/L
Rh	103	293488.004	293488.004		ug/L
Ag	107	144032.088	0.491	19.487254	ug/L
Cd	111	32478.984	0.111	18.587975	ug/L
Cd	114	75871.913	0.258	18.639483	ug/L
In	115	238379.980	238379.980		ug/L
Sb	121	115268.733	0.483	19.521041	ug/L
Sb	123	86058.808	0.361	19.025882	ug/L
Tl	203	139881.788	0.436	19.765042	ug/L
Tl	205	335270.278	1.043	19.989908	ug/L
Pb	208	452330.986	1.406	19.893233	ug/L
Bi	209	321277.572	321277.572		ug/L

Sample ID: 1001400-PS2
Report Date/Time: Tuesday, February 23, 2010 00:19:23

: 00711

Sample Information

Sample ID: 1002144-21
Autosampler Position: 106
Sample Date/Time: Tuesday, February 23, 2010 00:26:06
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-21.126
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	338024.694	338024.694				ug/L
⌊	Be	9	1.667	0.000	0.000436	0.007	1635.845	ug/L
⌈	V	51	2034.761	-0.002	-0.065445	0.008	12.896	ug/L
|	Cu	63	4145.577	0.016	1.025677	0.008	0.810	ug/L
|	Cu	65	1998.300	0.008	1.029663	0.027	2.633	ug/L
|	Zn	66	2926.295	0.011	2.766933	0.042	1.530	ug/L
|	Zn	68	2902.953	0.011	3.586169	0.161	4.495	ug/L
|>	Ge	72	244390.742	244390.742				ug/L
|	As	75	136.574	0.000	0.070557	0.021	29.217	ug/L
|	Se	77	131.003	0.000	0.055249	0.205	370.643	ug/L
⌊	Se	82	-35.810	0.000	0.172451	0.046	26.611	ug/L
⌈>	Rh	103	299762.436	299762.436				ug/L
|	Ag	107	90.668	0.000	0.009970	0.002	16.596	ug/L
|	Cd	111	8.330	0.000	0.004265	0.003	67.601	ug/L
⌊	Cd	114	14.818	0.000	0.001489	0.002	118.905	ug/L
⌈>	In	115	239930.756	239930.756				ug/L
|	Sb	121	4549.827	0.019	0.755371	0.006	0.815	ug/L
⌊	Sb	123	3413.596	0.014	0.740820	0.027	3.655	ug/L
⌈	Tl	203	27.000	-0.000	-0.001633	0.000	14.725	ug/L
|	Tl	205	62.001	-0.000	-0.001346	0.000	22.501	ug/L
|	Pb	208	6802.652	0.019	0.271813	0.011	4.137	ug/L
⌊>	Bi	209	326498.879	326498.879				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.366
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.180
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.409
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.534

: 00712

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.516

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	331223.862	331223.862		ug/L
Be	9	0.000	0.000	0.007382	ug/L
V	51	2111.602	-0.002	-0.057288	ug/L
Cu	63	4154.249	0.016	1.020091	ug/L
Cu	65	1955.287	0.008	0.998743	ug/L
Zn	66	2977.850	0.012	2.796281	ug/L
Zn	68	2793.574	0.010	3.409898	ug/L
Ge	72	246188.148	246188.148		ug/L
As	75	167.328	0.000	0.093883	ug/L
Se	77	137.003	0.000	0.107023	ug/L
Se	82	-34.638	0.000	0.183018	ug/L
Rh	103	298448.566	298448.566		ug/L
Ag	107	77.001	0.000	0.008280	ug/L
Cd	111	13.983	0.000	0.007504	ug/L
Cd	114	19.279	0.000	0.002814	ug/L
In	115	239724.383	239724.383		ug/L
Sb	121	4588.506	0.019	0.758833	ug/L
Sb	123	3538.408	0.015	0.788920	ug/L
Tl	203	28.000	0.000	0.001618	ug/L
Tl	205	58.001	-0.000	-0.001884	ug/L
Pb	208	6756.282	0.018	0.280317	ug/L
Bi	209	337181.188	337181.188		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	329401.734	329401.734		ug/L
Be	9	2.000	0.000	0.002062	ug/L
V	51	2034.468	0.002	0.064906	ug/L
Cu	63	4174.281	0.016	1.035220	ug/L
Cu	65	2015.304	0.008	1.040883	ug/L
Zn	66	2939.634	0.012	2.786106	ug/L
Zn	68	3000.660	0.011	3.726080	ug/L
Ge	72	243898.486	243898.486		ug/L
As	75	115.066	0.000	0.064048	ug/L
Se	77	109.002	0.000	0.170444	ug/L
Se	82	42.480	0.000	0.122188	ug/L
Rh	103	300323.542	300323.542		ug/L
Ag	107	103.002	0.000	0.011586	ug/L
Cd	111	4.288	0.000	0.001979	ug/L
Cd	114	8.379	-0.000	-0.000662	ug/L
In	115	239814.332	239814.332		ug/L
Sb	121	4585.504	0.019	0.758018	ug/L
Sb	123	3291.288	0.014	0.714898	ug/L
Tl	203	25.000	0.000	0.001681	ug/L
Tl	205	64.001	0.000	-0.001200	ug/L
Pb	208	6758.308	0.019	0.272338	ug/L
Bi	209	323561.290	323561.290		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343448.488	343448.488		ug/L
Be	9	3.000	0.000	0.006807	ug/L
V	51	1958.013	0.002	0.074142	ug/L
Cu	63	4108.222	0.016	1.021719	ug/L
Cu	65	2024.307	0.008	1.049362	ug/L
Zn	66	2861.602	0.011	2.716413	ug/L
Zn	68	2914.624	0.011	3.622529	ug/L
Ge	72	243087.593	243087.593		ug/L
As	75	127.329	0.000	0.063981	ug/L
Se	77	147.003	0.000	0.229167	ug/L
Se	82	30.301	0.000	0.212137	ug/L
Rh	103	302515.201	302515.201		ug/L
Ag	107	92.002	0.000	0.010043	ug/L
Cd	111	6.719	0.000	0.003311	ug/L
Cd	114	18.796	0.000	0.002405	ug/L
In	115	240453.554	240453.554		ug/L
Sb	121	4517.473	0.019	0.748263	ug/L
Sb	123	3411.093	0.014	0.738642	ug/L
Tl	203	28.000	0.000	0.001400	ug/L
Tl	205	64.001	0.000	0.001143	ug/L
Pb	208	6893.367	0.020	0.282788	ug/L
Bi	209	318754.182	318754.182		ug/L

00713

Sample Information

Sample ID: 1002144-22
Autosampler Position: 107
Sample Date/Time: Tuesday, February 23, 2010 00:29:22
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-22.127
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	338139.154	338139.154				ug/L
	Be	9	1.000	-0.000	-0.002659	0.005	177.055	ug/L
	V	51	4906.168	0.010	0.308271	0.027	8.878	ug/L
	Cu	63	3480.549	0.013	0.848165	0.019	2.206	ug/L
	Cu	65	1709.889	0.007	0.867715	0.036	4.104	ug/L
	Zn	66	2391.091	0.009	2.221896	0.060	2.694	ug/L
	Zn	68	1951.286	0.007	2.278168	0.062	2.710	ug/L
>	Ge	72	246177.304	246177.304				ug/L
	As	75	236.828	0.001	0.147523	0.016	10.742	ug/L
	Se	77	131.003	0.000	0.045437	0.090	198.804	ug/L
	Se	82	-50.862	0.000	0.063626	0.110	172.524	ug/L
>	Rh	103	296874.736	296874.736				ug/L
	Ag	107	76.001	0.000	0.008131	0.001	8.640	ug/L
	Cd	111	3.374	0.000	0.001491	0.002	161.060	ug/L
	Cd	114	16.983	0.000	0.002049	0.001	55.318	ug/L
>	In	115	241836.866	241836.866				ug/L
	Sb	121	3247.104	0.013	0.531830	0.017	3.289	ug/L
	Sb	123	2506.045	0.010	0.537087	0.018	3.282	ug/L
	Tl	203	35.667	-0.000	-0.000467	0.001	246.857	ug/L
	Tl	205	90.668	0.000	0.000297	0.000	129.310	ug/L
	Pb	208	11840.272	0.034	0.486837	0.011	2.266	ug/L
>	Bi	209	328475.711	328475.711				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	93.398
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.898
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.441
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	99.317

00714

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.112

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	333982.089	333982.089		ug/L
Be	9	0.000	-0.000	0.007382	ug/L
V	51	5129.608	0.010	0.336881	ug/L
Cu	63	3498.881	0.014	0.851388	ug/L
Cu	65	1783.240	0.007	0.908058	ug/L
Zn	66	2414.432	0.009	2.242842	ug/L
Zn	68	1900.272	0.007	2.207139	ug/L
Ge	72	246408.593	246409.593		ug/L
As	75	252.864	0.001	0.156766	ug/L
Se	77	141.003	0.000	0.146863	ug/L
Se	82	-35.482	0.000	0.177035	ug/L
Rh	103	296589.229	296589.229		ug/L
Ag	107	74.001	0.000	0.007873	ug/L
Cd	111	7.067	0.000	0.003583	ug/L
Cd	114	20.820	0.000	0.003012	ug/L
In	115	242584.398	242584.398		ug/L
Sb	121	3232.764	0.013	0.527744	ug/L
Sb	123	2422.057	0.010	0.517166	ug/L
Tl	203	43.001	0.000	0.000446	ug/L
Tl	205	93.002	0.000	0.000336	ug/L
Pb	208	11866.987	0.034	0.479982	ug/L
Bi	209	334498.312	334498.312		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	340775.911	340775.911		ug/L
Be	9	1.000	0.000	0.002688	ug/L
V	51	4868.786	0.009	0.282438	ug/L
Cu	63	3515.900	0.014	0.855060	ug/L
Cu	65	1835.204	0.006	0.835873	ug/L
Zn	66	2301.384	0.009	2.154378	ug/L
Zn	68	1864.290	0.007	2.319989	ug/L
Ge	72	244015.448	244015.448		ug/L
As	75	242.083	0.001	0.153176	ug/L
Se	77	127.002	0.000	0.015786	ug/L
Se	82	51.419	0.000	0.056944	ug/L
Rh	103	296938.211	296938.211		ug/L
Ag	107	72.001	0.000	0.007594	ug/L
Cd	111	-1.257	0.000	-0.001130	ug/L
Cd	114	18.166	0.000	0.002335	ug/L
In	115	243324.053	243324.053		ug/L
Sb	121	3176.738	0.013	0.518740	ug/L
Sb	123	2550.978	0.010	0.543436	ug/L
Tl	203	38.000	0.000	0.000397	ug/L
Tl	205	96.002	0.000	0.000860	ug/L
Pb	208	11597.737	0.034	0.480958	ug/L
Bi	209	325469.704	325469.704		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339879.483	339879.483		ug/L
Be	9	2.000	0.000	0.002064	ug/L
V	51	4922.101	0.009	0.308424	ug/L
Cu	63	3428.867	0.013	0.828060	ug/L
Cu	65	1711.222	0.007	0.881412	ug/L
Zn	66	2487.447	0.009	2.268488	ug/L
Zn	68	1989.297	0.007	2.308398	ug/L
Ge	72	248108.871	248108.871		ug/L
As	75	219.459	0.001	0.129828	ug/L
Se	77	125.002	0.000	-0.026349	ug/L
Se	82	65.586	0.000	-0.042102	ug/L
Rh	103	297098.787	297098.787		ug/L
Ag	107	82.001	0.000	0.008928	ug/L
Cd	111	4.313	0.000	0.002019	ug/L
Cd	114	11.865	0.000	0.000800	ug/L
In	115	239832.147	239832.147		ug/L
Sb	121	3331.810	0.014	0.551006	ug/L
Sb	123	2545.101	0.010	0.550859	ug/L
Tl	203	26.000	0.000	0.001782	ug/L
Tl	205	83.001	0.000	0.000105	ug/L
Pb	208	12026.092	0.035	0.499581	ug/L
Bi	209	325468.118	325468.118		ug/L

: 00715

Sample Information

Sample ID: 1002144-23
Autosampler Position: 108
Sample Date/Time: Tuesday, February 23, 2010 00:32:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-23.128
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	340684.206	340684.206				ug/L
⌊	Be	9	1.333	-0.000	-0.001056	0.007	687.827	ug/L
⌈	V	51	3882.775	0.005	0.176848	0.007	3.697	ug/L
|	Cu	63	558.694	0.002	0.102452	0.002	1.988	ug/L
|	Cu	65	256.007	0.001	0.092442	0.005	5.263	ug/L
|	Zn	66	811.721	0.003	0.679798	0.038	5.609	ug/L
|	Zn	68	783.718	0.002	0.714195	0.054	7.571	ug/L
|>	Ge	72	245011.473	245011.473				ug/L
|	As	75	257.346	0.001	0.164174	0.037	22.499	ug/L
|	Se	77	132.336	0.000	0.065544	0.010	15.881	ug/L
⌊	Se	82	-49.425	0.000	0.071548	0.182	254.658	ug/L
⌈>	Rh	103	297744.977	297744.977				ug/L
|	Ag	107	59.001	0.000	0.005835	0.001	14.955	ug/L
|	Cd	111	4.542	0.000	0.002139	0.003	142.788	ug/L
⌊	Cd	114	13.780	0.000	0.001254	0.001	104.209	ug/L
⌈>	In	115	239313.472	239313.472				ug/L
|	Sb	121	281.342	0.001	0.036872	0.003	7.995	ug/L
⌊	Sb	123	208.502	0.001	0.036577	0.004	9.808	ug/L
⌈	Tl	203	26.334	-0.000	-0.001724	0.000	17.936	ug/L
|	Tl	205	59.001	-0.000	-0.001516	0.001	74.028	ug/L
|	Pb	208	886.364	0.001	0.015258	0.001	7.231	ug/L
⌊>	Bi	209	326721.498	326721.498				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.101
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.430
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.733
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.281

	Sb	120.904
L	Sb	122.904
[	Tl	202.972
	Tl	204.975
	Pb	207.977
L>	Bi	208.980

98.583

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	342813.016	342813.016		ug/L
L	Be	9	0.000	0.000	0.007382	ug/L
[	V	51	3919.081	0.006	0.178063	ug/L
	Cu	63	556.028	0.002	0.104084	ug/L
	Cu	65	253.007	0.001	0.089875	ug/L
	Zn	66	862.081	0.003	0.723568	ug/L
	Zn	68	748.046	0.002	0.654806	ug/L
[>	Ge	72	246725.215	246725.215		ug/L
	As	75	266.560	0.001	0.185487	ug/L
	Se	77	134.003	0.000	0.073188	ug/L
	Se	82	21.288	0.000	0.281788	ug/L
[>	Rh	103	295871.371	295871.371		ug/L
	Ag	107	68.001	0.000	0.006820	ug/L
	Cd	111	4.788	0.000	0.002014	ug/L
L	Cd	114	8.788	0.000	0.000082	ug/L
[>	In	115	242002.079	242002.079		ug/L
	Sb	121	275.008	0.001	0.035288	ug/L
L	Sb	123	215.502	0.001	0.037807	ug/L
[	Tl	203	25.000	0.000	-0.002012	ug/L
	Tl	205	53.001	0.000	-0.001968	ug/L
	Pb	208	697.032	0.001	0.014821	ug/L
L>	Bi	209	338082.811	338082.811		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	336598.208	336598.208		ug/L
L	Be	9	3.000	0.000	0.008887	ug/L
[	V	51	3821.883	0.006	0.182698	ug/L
	Cu	63	549.027	0.002	0.100173	ug/L
	Cu	65	250.007	0.001	0.088397	ug/L
	Zn	66	784.081	0.003	0.683816	ug/L
	Zn	68	817.086	0.002	0.780678	ug/L
[>	Ge	72	244687.180	244687.180		ug/L
	As	75	284.270	0.001	0.185643	ug/L
	Se	77	131.003	0.000	0.063885	ug/L
	Se	82	64.561	-0.000	0.040508	ug/L
[>	Rh	103	298139.838	298139.838		ug/L
	Ag	107	54.001	0.000	0.006158	ug/L
	Cd	111	0.788	0.000	0.000881	ug/L
L	Cd	114	12.936	0.000	0.001049	ug/L
[>	In	115	237018.115	237018.115		ug/L
	Sb	121	268.008	0.001	0.035057	ug/L
L	Sb	123	188.501	0.001	0.032587	ug/L
[	Tl	203	26.000	-0.000	0.001763	ug/L
	Tl	205	45.001	0.000	0.002341	ug/L
	Pb	208	869.030	0.001	0.014821	ug/L
L>	Bi	209	325598.835	325598.835		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	342540.392	342540.392		ug/L
L	Be	9	1.000	0.000	0.002693	ug/L
[	V	51	3807.801	0.006	0.169782	ug/L
	Cu	63	558.027	0.002	0.103090	ug/L
	Cu	65	255.006	0.001	0.090052	ug/L
	Zn	66	789.081	0.003	0.662010	ug/L
	Zn	68	789.081	0.002	0.727202	ug/L
[>	Ge	72	243642.016	243642.016		ug/L
	As	75	201.218	0.001	0.121522	ug/L
	Se	77	132.003	0.000	0.069783	ug/L
L	Se	82	62.428	0.000	0.026633	ug/L
[>	Rh	103	299123.726	299123.726		ug/L
	Ag	107	57.001	0.000	0.006531	ug/L
	Cd	111	10.103	0.000	0.006254	ug/L
L	Cd	114	19.608	0.000	0.002651	ug/L
[>	In	115	238819.223	238819.223		ug/L
	Sb	121	301.009	0.001	0.040274	ug/L
L	Sb	123	221.502	0.001	0.039537	ug/L
[	Tl	203	28.000	-0.000	0.001397	ug/L
	Tl	205	79.001	-0.000	-0.000238	ug/L
	Pb	208	693.030	0.001	0.016532	ug/L
L>	Bi	209	318473.047	318473.047		ug/L

: 30717

Sample Information

Sample ID: 1002144-24
Autosampler Position: 109
Sample Date/Time: Tuesday, February 23, 2010 00:35:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-24.129
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	344819.091	344819.091				ug/L
⌊	Be	9	1.333	-0.000	-0.001186	0.003	222.661	ug/L
⌈	V	51	4031.973	0.006	0.197497	0.006	3.271	ug/L
|	Cu	63	711.043	0.002	0.141861	0.004	2.703	ug/L
|	Cu	65	325.344	0.001	0.129904	0.004	3.210	ug/L
|	Zn	66	832.724	0.003	0.702111	0.016	2.260	ug/L
|	Zn	68	799.053	0.002	0.736638	0.039	5.272	ug/L
|>	Ge	72	244564.542	244564.542				ug/L
|	As	75	314.138	0.001	0.209640	0.095	45.459	ug/L
|	Se	77	135.336	0.000	0.100686	0.181	179.916	ug/L
⌊	Se	82	-36.802	0.000	0.165302	0.115	69.362	ug/L
⌈>	Rh	103	298491.688	298491.688				ug/L
|	Ag	107	51.334	0.000	0.004790	0.001	22.114	ug/L
|	Cd	111	-1.222	-0.000	-0.001114	0.001	118.243	ug/L
⌊	Cd	114	11.614	0.000	0.000719	0.001	203.191	ug/L
⌈>	In	115	240132.270	240132.270				ug/L
|	Sb	121	232.673	0.001	0.028525	0.002	7.513	ug/L
⌊	Sb	123	194.709	0.001	0.033426	0.003	8.769	ug/L
⌈	Tl	203	30.667	-0.000	-0.001119	0.000	30.128	ug/L
|	Tl	205	68.001	-0.000	-0.001000	0.000	23.862	ug/L
|	Pb	208	1260.389	0.002	0.031523	0.001	3.896	ug/L
⌊>	Bi	209	326300.319	326300.319				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.243
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.250
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.983
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.617

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.456

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	340784.379	340784.379		ug/L
Be	9	1.000	0.000	-0.002668	ug/L
V	51	4013.805	0.008	0.200882	ug/L
Cu	63	702.042	0.002	0.141497	ug/L
Cu	65	313.010	0.001	0.125088	ug/L
Zn	66	838.058	0.003	0.718161	ug/L
Zn	68	810.064	0.002	0.782257	ug/L
Ge	72	241984.044	241984.044		ug/L
As	75	444.742	0.002	0.314380	ug/L
Se	77	149.003	0.000	0.257079	ug/L
Se	82	23.442	0.000	0.262548	ug/L
Rh	103	301316.087	301316.087		ug/L
Ag	107	57.001	0.000	0.005476	ug/L
Cd	111	1.479	0.000	0.000406	ug/L
Cd	114	18.172	0.000	0.002273	ug/L
In	115	2406.10.623	2406.10.623		ug/L
Sb	121	247.007	0.001	0.030867	ug/L
Sb	123	201.627	0.001	0.034866	ug/L
Tl	203	29.000	0.000	0.001442	ug/L
Tl	205	74.001	0.000	0.000740	ug/L
Pb	208	1256.058	0.002	0.030129	ug/L
Bi	209	333580.282	333580.282		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346984.902	346984.902		ug/L
Be	9	1.000	0.000	0.002753	ug/L
V	51	4033.567	0.008	0.190066	ug/L
Cu	63	737.048	0.002	0.145884	ug/L
Cu	65	335.011	0.001	0.132553	ug/L
Zn	66	846.059	0.003	0.705789	ug/L
Zn	68	824.056	0.002	0.754583	ug/L
Ge	72	248108.878	248108.878		ug/L
As	75	213.341	0.001	0.127997	ug/L
Se	77	118.002	0.000	0.097808	ug/L
Se	82	33.340	0.000	0.194487	ug/L
Rh	103	298725.728	298725.728		ug/L
Ag	107	55.001	0.000	0.005324	ug/L
Cd	111	-2.662	0.000	-0.001938	ug/L
Cd	114	10.664	0.000	0.000508	ug/L
In	115	237167.278	237167.278		ug/L
Sb	121	227.006	0.001	0.028046	ug/L
Sb	123	201.124	0.001	0.035387	ug/L
Tl	203	33.000	0.000	0.000768	ug/L
Tl	205	64.001	0.000	0.001209	ug/L
Pb	208	1264.058	0.002	0.031998	ug/L
Bi	209	324348.838	324348.838		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348697.980	348697.980		ug/L
Be	9	2.000	0.000	0.001883	ug/L
V	51	4048.734	0.008	0.201784	ug/L
Cu	63	894.041	0.002	0.138222	ug/L
Cu	65	328.011	0.001	0.132082	ug/L
Zn	66	812.054	0.003	0.684902	ug/L
Zn	68	763.048	0.002	0.892073	ug/L
Ge	72	243599.606	243599.606		ug/L
As	75	264.331	0.001	0.186581	ug/L
Se	77	139.003	0.000	0.142787	ug/L
Se	82	53.823	0.000	0.038874	ug/L
Rh	103	297433.269	297433.269		ug/L
Ag	107	42.001	0.000	0.003570	ug/L
Cd	111	2.481	0.000	0.001808	ug/L
Cd	114	6.016	0.000	0.000826	ug/L
In	115	242718.913	242718.913		ug/L
Sb	121	224.006	0.001	0.026682	ug/L
Sb	123	181.375	0.001	0.030084	ug/L
Tl	203	30.000	0.000	0.001146	ug/L
Tl	205	66.001	0.000	0.001050	ug/L
Pb	208	1261.058	0.002	0.032445	ug/L
Bi	209	320951.639	320951.639		ug/L

: 00719

Sample Information

Sample ID: 1002144-25
Autosampler Position: 110
Sample Date/Time: Tuesday, February 23, 2010 00:39:09
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-25.130
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	344975.220	344975.220				ug/L
	Be	9	2.000	0.000	0.001909	0.005	244.670	ug/L
	V	51	11082.378	0.035	1.122892	0.034	3.006	ug/L
	Cu	63	1956.287	0.007	0.460937	0.006	1.203	ug/L
	Cu	65	922.069	0.003	0.449445	0.006	1.292	ug/L
	Zn	66	2043.646	0.008	1.890813	0.037	1.937	ug/L
	Zn	68	1686.549	0.006	1.932378	0.048	2.478	ug/L
>	Ge	72	245113.573	245113.573				ug/L
	As	75	1530.968	0.006	1.153983	0.080	6.972	ug/L
	Se	77	142.003	0.000	0.165148	0.101	60.909	ug/L
	Se	82	-19.983	0.000	0.289564	0.195	67.188	ug/L
>	Rh	103	298555.677	298555.677				ug/L
	Ag	107	56.001	0.000	0.005408	0.001	18.657	ug/L
	Cd	111	4.384	0.000	0.002039	0.002	91.300	ug/L
	Cd	114	17.166	0.000	0.002061	0.002	86.997	ug/L
>	In	115	238966.250	238966.250				ug/L
	Sb	121	686.040	0.003	0.105380	0.004	3.514	ug/L
	Sb	123	488.308	0.002	0.098446	0.006	6.155	ug/L
	Tl	203	34.334	-0.000	-0.000589	0.001	230.633	ug/L
	Tl	205	86.001	0.000	0.000070	0.001	1342.846	ug/L
	Pb	208	5361.837	0.015	0.209923	0.006	2.632	ug/L
>	Bi	209	325523.817	325523.817				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.286
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.471
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.004
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.138

: 00720

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.222

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Units
Li	6	350884.804	350884.804		ug/L
Be	9	2.000	0.000	0.001758	ug/L
V	51	10993.249	0.035	1.114175	ug/L
Cu	63	1984.280	0.007	0.464058	ug/L
Cu	65	932.070	0.003	0.455878	ug/L
Zn	66	2000.300	0.008	1.852434	ug/L
Zn	68	1696.218	0.008	1.950173	ug/L
Ge	72	244583.391	244583.391		ug/L
As	75	1552.101	0.008	1.173354	ug/L
Se	77	152.003	0.000	0.271568	ug/L
Se	82	-17.301	0.000	0.308978	ug/L
Rh	103	300991.813	300991.813		ug/L
Ag	107	65.001	0.000	0.005640	ug/L
Cd	111	6.253	0.000	0.004188	ug/L
Cd	114	25.884	0.000	0.004130	ug/L
In	115	242908.556	242908.556		ug/L
Sb	121	677.039	0.003	0.101989	ug/L
Sb	123	475.286	0.002	0.093818	ug/L
Tl	203	28.000	0.000	0.001568	ug/L
Tl	205	86.001	-0.000	0.000324	ug/L
Pb	208	5349.621	0.014	0.204966	ug/L
Bi	209	331733.729	331733.729		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Units
Li	6	342382.143	342382.143		ug/L
Be	9	3.000	0.000	0.006662	ug/L
V	51	10949.832	0.034	1.094348	ug/L
Cu	63	1946.286	0.007	0.454533	ug/L
Cu	65	920.068	0.003	0.444881	ug/L
Zn	66	2083.319	0.008	1.894831	ug/L
Zn	68	1656.208	0.008	1.878149	ug/L
Ge	72	247000.490	247000.490		ug/L
As	75	1631.778	0.008	1.222988	ug/L
Se	77	134.003	0.000	0.071633	ug/L
Se	82	4.731	0.000	0.473104	ug/L
Rh	103	295582.781	295582.781		ug/L
Ag	107	53.001	0.000	0.005084	ug/L
Cd	111	2.582	0.000	0.001048	ug/L
Cd	114	12.511	0.000	0.000973	ug/L
In	115	236106.386	236106.386		ug/L
Sb	121	707.041	0.003	0.109318	ug/L
Sb	123	513.394	0.002	0.105304	ug/L
Tl	203	30.000	0.000	0.001174	ug/L
Tl	205	102.002	0.000	0.001056	ug/L
Pb	208	5300.814	0.015	0.208874	ug/L
Bi	209	323200.490	323200.490		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Units
Li	6	341898.713	341898.713		ug/L
Be	9	1.000	0.000	-0.002685	ug/L
V	51	11304.063	0.036	1.160184	ug/L
Cu	63	1958.266	0.007	0.464227	ug/L
Cu	65	914.068	0.003	0.447869	ug/L
Zn	66	2087.320	0.008	1.925379	ug/L
Zn	68	1704.220	0.008	1.968814	ug/L
Ge	72	243756.836	243756.836		ug/L
As	75	1408.023	0.008	1.065807	ug/L
Se	77	140.003	0.000	0.152244	ug/L
Se	82	47.380	0.000	0.065610	ug/L
Rh	103	299092.456	299092.456		ug/L
Ag	107	50.001	0.000	0.004802	ug/L
Cd	111	2.318	0.000	0.000882	ug/L
Cd	114	13.102	0.000	0.001080	ug/L
In	115	237886.808	237886.808		ug/L
Sb	121	680.039	0.003	0.104894	ug/L
Sb	123	476.266	0.002	0.098217	ug/L
Tl	203	45.001	0.000	0.000984	ug/L
Tl	205	70.001	0.000	0.000820	ug/L
Pb	208	5434.878	0.015	0.215898	ug/L
Bi	209	321637.231	321637.231		ug/L

A

: 00721

Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Tuesday, February 23, 2010 00:42:24
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.131
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	340707.617	340707.617				ug/L
⌊	Be	9	7986.542	0.023	37.482626	0.380	1.013	ug/L
⌈	V	51	286716.954	1.173	37.794609	0.133	0.351	ug/L
|	Cu	63	152477.853	0.629	39.542762	0.565	1.428	ug/L
⌊	Cu	65	72160.731	0.298	39.101675	0.301	0.769	ug/L
⌈	Zn	66	39033.424	0.161	38.718185	0.601	1.553	ug/L
⌊	Zn	68	28320.652	0.116	38.339984	0.545	1.420	ug/L
|>	Ge	72	242221.332	242221.332				ug/L
⌈	As	75	49707.000	0.205	39.068620	0.351	0.899	ug/L
⌊	Se	77	3842.072	0.015	38.866557	0.951	2.448	ug/L
⌊	Se	82	4925.003	0.021	37.339228	0.958	2.567	ug/L
⌈>	Rh	103	293808.184	293808.184				ug/L
⌈	Ag	107	283173.279	0.964	38.295525	0.292	0.764	ug/L
⌊	Cd	111	64548.919	0.220	36.901614	0.156	0.422	ug/L
⌊	Cd	114	153503.994	0.522	37.776760	0.512	1.356	ug/L
⌈>	In	115	237694.516	237694.516				ug/L
⌈	Sb	121	212406.270	0.893	36.081917	0.809	2.242	ug/L
⌊	Sb	123	162985.433	0.685	36.141770	0.852	2.357	ug/L
⌈	Tl	203	269406.583	0.841	38.210363	0.301	0.789	ug/L
⌊	Tl	205	644003.479	2.012	38.504317	0.634	1.646	ug/L
⌈	Pb	208	863426.118	2.696	38.130752	0.364	0.955	ug/L
⌊>	Bi	209	320120.115	320120.115				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.107
⌊	Be	9.012	
⌈	V	50.944	
⌈	Cu	62.930	
⌊	Cu	64.928	
⌈	Zn	65.926	
⌊	Zn	67.925	
|>	Ge	71.922	97.309
⌈	As	74.922	
⌈	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.414
⌈	Ag	106.905	
⌈	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.616

: 00722

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

96.591

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343081.946	343091.946		ug/L
Be	9	7849.501	0.023	37.047922	ug/L
V	51	266562.808	1.177	37.897760	ug/L
Cu	63	153418.621	0.635	39.810184	ug/L
Cu	65	71637.152	0.296	38.938433	ug/L
Zn	66	39384.730	0.163	39.198813	ug/L
Zn	68	28291.199	0.116	38.419388	ug/L
Ge	72	241458.738	241459.738		ug/L
As	75	49844.170	0.207	39.377748	ug/L
Se	77	3908.106	0.016	39.660436	ug/L
Se	82	4863.339	0.020	36.989186	ug/L
Rh	103	297834.384	297834.384		ug/L
Ag	107	265187.804	0.956	38.068372	ug/L
Cd	111	65311.923	0.219	36.858435	ug/L
Cd	114	153211.338	0.518	37.215449	ug/L
In	115	238018.753	238018.753		ug/L
Sb	121	206433.345	0.870	35.148108	ug/L
Sb	123	157880.987	0.669	35.261498	ug/L
Tl	203	270808.384	0.845	38.383787	ug/L
Tl	205	652426.070	2.036	39.010163	ug/L
Pb	208	871663.508	2.722	38.499434	ug/L
Bi	209	320088.850	320088.850		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339428.984	339428.984		ug/L
Be	9	7992.549	0.024	37.650834	ug/L
V	51	267720.257	1.169	37.644718	ug/L
Cu	63	151088.831	0.619	38.892534	ug/L
Cu	65	72356.354	0.296	38.916826	ug/L
Zn	66	38643.637	0.158	38.043800	ug/L
Zn	68	28105.486	0.114	37.780131	ug/L
Ge	72	244024.758	244024.758		ug/L
As	75	49560.097	0.203	38.688878	ug/L
Se	77	3789.032	0.015	37.807870	ug/L
Se	82	4863.353	0.020	36.605086	ug/L
Rh	103	294512.891	294512.891		ug/L
Ag	107	263100.990	0.961	38.191378	ug/L
Cd	111	65009.418	0.221	37.074287	ug/L
Cd	114	154374.593	0.524	37.696482	ug/L
In	115	238282.428	238282.428		ug/L
Sb	121	215767.530	0.905	36.585833	ug/L
Sb	123	163843.564	0.687	36.201568	ug/L
Tl	203	268549.816	0.834	37.882322	ug/L
Tl	205	635811.560	1.974	37.792582	ug/L
Pb	208	868346.052	2.696	38.121798	ug/L
Bi	209	322028.184	322028.184		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339801.922	339801.922		ug/L
Be	9	8017.577	0.024	37.749321	ug/L
V	51	265837.801	1.175	37.841348	ug/L
Cu	63	152916.008	0.633	39.825569	ug/L
Cu	65	72468.887	0.300	39.448897	ug/L
Zn	66	39081.907	0.161	38.811942	ug/L
Zn	68	28565.288	0.117	38.840475	ug/L
Ge	72	241179.500	241179.500		ug/L
As	75	49589.733	0.206	39.141141	ug/L
Se	77	3852.077	0.015	39.141262	ug/L
Se	82	5049.317	0.021	38.423482	ug/L
Rh	103	289277.268	289277.268		ug/L
Ag	107	261231.243	0.972	38.625628	ug/L
Cd	111	63329.414	0.219	36.772121	ug/L
Cd	114	152926.052	0.529	38.219346	ug/L
In	115	238782.368	238782.368		ug/L
Sb	121	216017.933	0.904	36.531712	ug/L
Sb	123	167431.768	0.701	36.982247	ug/L
Tl	203	269081.549	0.845	38.384978	ug/L
Tl	205	643872.777	2.022	38.709206	ug/L
Pb	208	850268.798	2.670	37.771025	ug/L
Bi	209	318247.310	318247.310		ug/L

00723

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Tuesday, February 23, 2010 00:50:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.132
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	337434.279	337434.279				ug/L
	Be	9	1.000	-0.000	-0.002644	0.005	177.921	ug/L
	V	51	2240.794	-0.001	-0.034030	0.005	15.221	ug/L
	Cu	63	180.004	0.000	0.006076	0.004	59.992	ug/L
	Cu	65	93.335	0.000	0.006088	0.008	135.618	ug/L
	Zn	66	141.003	0.000	0.022512	0.010	44.993	ug/L
	Zn	68	296.342	0.000	0.062773	0.020	31.818	ug/L
>	Ge	72	240974.828	240974.828				ug/L
	As	75	-37.419	-0.000	-0.065420	0.015	23.554	ug/L
	Se	77	136.336	0.000	0.130456	0.036	27.621	ug/L
	Se	82	-39.044	0.000	0.144665	0.073	50.417	ug/L
>	Rh	103	299094.058	299094.058				ug/L
	Ag	107	64.334	0.000	0.006512	0.002	36.168	ug/L
	Cd	111	5.785	0.000	0.002821	0.002	75.843	ug/L
	Cd	114	4.470	-0.000	-0.001011	0.001	104.253	ug/L
>	In	115	239704.660	239704.660				ug/L
	Sb	121	584.030	0.002	0.087744	0.009	10.501	ug/L
	Sb	123	465.309	0.002	0.092981	0.003	3.645	ug/L
	Tl	203	32.334	-0.000	-0.000804	0.001	132.770	ug/L
	Tl	205	82.001	-0.000	-0.000095	0.001	1000.168	ug/L
	Pb	208	1498.076	0.003	0.042990	0.002	5.439	ug/L
>	Bi	209	320571.882	320571.882				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	93.203
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	96.808
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.185
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.442

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	96.727

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	335480.480	335480.480		ug/L
Be	9	0.000	0.000	-0.007382	ug/L
V	51	2258.512	0.001	-0.026093	ug/L
Cu	63	190.004	0.000	0.008246	ug/L
Cu	65	102.002	0.000	0.011414	ug/L
Zn	66	137.003	0.000	0.020210	ug/L
Zn	68	305.010	0.000	0.079512	ug/L
Ge	72	238129.662	238129.662		ug/L
As	75	-21.869	0.000	-0.053348	ug/L
Se	77	132.003	0.000	0.101540	ug/L
Se	82	38.474	0.000	0.145146	ug/L
Rh	103	297267.579	297267.579		ug/L
Ag	107	84.001	0.000	0.009187	ug/L
Cd	111	1.414	0.000	0.000379	ug/L
Cd	114	-0.578	0.000	-0.002228	ug/L
In	115	239965.848	239965.848		ug/L
Sb	121	628.034	0.002	0.085100	ug/L
Sb	123	461.788	0.002	0.092116	ug/L
Tl	203	24.000	0.000	-0.002022	ug/L
Tl	205	81.001	-0.000	-0.000198	ug/L
Pb	208	1468.074	0.003	0.041029	ug/L
Bi	209	323880.844	323880.844		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	336863.688	336863.688		ug/L
Be	9	1.000	-0.000	-0.002616	ug/L
V	51	2220.854	-0.001	-0.038372	ug/L
Cu	63	183.004	0.000	0.006887	ug/L
Cu	65	101.002	0.000	0.010271	ug/L
Zn	66	132.003	0.000	0.013733	ug/L
Zn	68	300.009	0.000	0.068144	ug/L
Ge	72	240682.134	240682.134		ug/L
As	75	59.273	-0.000	0.082776	ug/L
Se	77	140.002	0.000	0.170623	ug/L
Se	82	29.309	0.000	0.217358	ug/L
Rh	103	301468.294	301468.294		ug/L
Ag	107	58.001	0.000	0.005604	ug/L
Cd	111	8.594	0.000	0.004389	ug/L
Cd	114	7.070	0.000	0.000392	ug/L
In	115	242358.374	242358.374		ug/L
Sb	121	608.032	0.002	0.080723	ug/L
Sb	123	487.518	0.002	0.096718	ug/L
Tl	203	35.000	0.000	-0.000383	ug/L
Tl	205	66.001	0.000	-0.000991	ug/L
Pb	208	1538.080	0.003	0.045678	ug/L
Bi	209	316233.756	316233.756		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339988.689	339988.689		ug/L
Be	9	2.000	0.000	0.002046	ug/L
V	51	2243.016	-0.001	0.037625	ug/L
Cu	63	167.004	0.000	0.002094	ug/L
Cu	65	77.001	-0.000	-0.003423	ug/L
Zn	66	154.003	0.000	0.033594	ug/L
Zn	68	264.008	0.000	0.040853	ug/L
Ge	72	244112.688	244112.688		ug/L
As	75	-31.114	-0.000	0.080135	ug/L
Se	77	137.003	0.000	0.119004	ug/L
Se	82	49.348	0.000	0.071480	ug/L
Rh	103	298546.300	298546.300		ug/L
Ag	107	51.001	0.000	0.004747	ug/L
Cd	111	7.348	0.000	0.003715	ug/L
Cd	114	6.916	-0.000	0.000413	ug/L
In	115	236792.757	236792.757		ug/L
Sb	121	516.024	0.002	0.077408	ug/L
Sb	123	448.641	0.002	0.090107	ug/L
Tl	203	38.000	0.000	-0.000027	ug/L
Tl	205	99.002	0.000	0.000902	ug/L
Pb	208	1490.075	0.003	0.042363	ug/L
Bi	209	321821.249	321821.249		ug/L

TriMatrix Laboratories, Inc.

SulTRAC

Project: Plainwell Mill

SDG: PM011810B

USEPA-7470A

00726

SAMPLE ID SUMMARY

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810B

Client: SulTRAC

Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-SO-56394-CB-011810-062	1002038-01
S-SO-56394-CB-011810-072	1002038-02
S-SO-56394-CB-011810-057	1002038-03
S-SO-56394-DR-011910-1024	1002038-04
S-SO-56394-CB-011910-077	1002038-05
SD-SO-56394-CB-011910-077	1002038-06
S-SO-56394-CB-011910-081	1002038-07
S-SO-56394-CB-011910-086	1002038-08
S-SO-56394-CB-011910-090	1002038-09
S-SO-56394-CB-012010-094	1002038-10
S-SO-56394-CB-012010-099	1002038-11
S-SO-56394-DR-012010-1031	1002038-12
S-SO-56394-DR-012010-1035	1002038-13
S-SO-56394-DR-012010-1038	1002038-14
S-SO-56394-DR-012110-1045	1002038-15
S-SO-56394-DR-012110-1049	1002038-16
SD-SO-56394-DR-012110-1049	1002038-17
S-SO-56394-DR-012110-1050	1002038-18
S-SO-56394-CB-012010-105	1002038-19
S-SO-56394-CB-012110-107	1002038-20
S-SO-56394-CB-012110-109	1002038-21
S-SO-56394-CB-012110-114	1002038-22
S-SO-56394-CB-012110-116	1002038-23
S-SO-56394-CB-012110-118	1002038-24

00727

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-011810-062

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/18/10 13:45
Solids: 0.00
Laboratory ID: 1002038-01

SDG: PM011810B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/09/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001072

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/10/10 11:41

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-011810-072

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/18/10 16:15
Solids: 0.00
Laboratory ID: 1002038-02

SDG: PM011810B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/09/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001072

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/10/10 11:46

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-011810-057

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/18/10 11:25
Solids: 0.00
Laboratory ID: 1002038-03

SDG: PM011810B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/09/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001072

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/10/10 11:51

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-DR-011910-1024

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 11:30
Solids: 0.00
Laboratory ID: 1002038-04

SDG: PM011810B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/09/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001072

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.000064	mg/L	1	0.00020	0.000061	J	02/10/10 11:56

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-011910-077

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 09:50
Solids: 0.00
Laboratory ID: 1002038-05

SDG: PM011810B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/23/10 14:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001587

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/24/10 10:40

00732

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

SD-SO-56394-CB-011910-077

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 09:50
Solids: 0.00
Laboratory ID: 1002038-06

SDG: PM011810B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/09/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001072

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.000063	mg/L	1	0.00020	0.000061	J	02/10/10 12:01

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-011910-081

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 12:50
Solids: 0.00
Laboratory ID: 1002038-07

SDG: PM011810B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/09/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001072

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/10/10 12:16

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-011910-086

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 15:20
Solids: 0.00
Laboratory ID: 1002038-08

SDG: PM011810B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/09/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001072

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/10/10 12:21

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-011910-090

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/19/10 16:10
Solids: 0.00
Laboratory ID: 1002038-09

SDG: PM011810B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/23/10 14:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001587

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/24/10 10:45

00736

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-012010-094

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 10:50
Solids: 0.00
Laboratory ID: 1002038-10

SDG: PM011810B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/23/10 14:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001587

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/24/10 10:50

: 00737

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-012010-099

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 13:50
Solids: 0.00
Laboratory ID: 1002038-11

SDG: PM011810B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/23/10 14:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001587

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/24/10 10:55

00738

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-DR-012010-1031

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 08:45
Solids: 0.00
Laboratory ID: 1002038-12

SDG: PM011810B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/09/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001072

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/10/10 12:26

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-DR-012010-1035

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 12:10
Solids: 0.00
Laboratory ID: 1002038-13

SDG: PM011810B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/23/10 14:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001587

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/24/10 11:00

: 00740

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-DR-012010-1038

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 14:00
Solids: 0.00
Laboratory ID: 1002038-14

SDG: PM011810B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/09/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001072

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/10/10 12:31

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-DR-012110-1045

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 08:55
Solids: 0.00
Laboratory ID: 1002038-15

SDG: PM011810B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/23/10 14:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001587

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/24/10 11:05

00742

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-DR-012110-1049

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 11:20
Solids: 0.00
Laboratory ID: 1002038-16

SDG: PM011810B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/09/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001072

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.0031	mg/L	1	0.00020	0.000061		02/10/10 12:46

00743

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

SD-SO-56394-DR-012110-1049

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 11:25
Solids: 0.00
Laboratory ID: 1002038-17

SDG: PM011810B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/09/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001072

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/10/10 12:51

: 007444

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-DR-012110-1050

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 13:40
Solids: 0.00
Laboratory ID: 1002038-18

SDG: PM011810B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/23/10 14:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001587

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/24/10 11:10

00745

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-012010-105

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 16:30
Solids: 0.00
Laboratory ID: 1002038-19

SDG: PM011810B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/09/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001072

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/10/10 13:16

00746

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-012110-107

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 09:00
Solids: 0.00
Laboratory ID: 1002038-20

SDG: PM011810B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/23/10 14:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001587

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/24/10 11:15

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-012110-109

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 10:00
Solids: 0.00
Laboratory ID: 1002038-21

SDG: PM011810B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/09/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001072

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.000064	mg/L	1	0.00020	0.000061	J	02/10/10 13:21

00748

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-012110-114

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 11:20
Solids: 0.00
Laboratory ID: 1002038-22

SDG: PM011810B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/09/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001072

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/10/10 13:26

00749

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-012110-116

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 13:10
Solids: 0.00
Laboratory ID: 1002038-23

SDG: PM011810B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/09/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001072

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/10/10 13:32

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-012110-118

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 14:10
Solids: 0.00
Laboratory ID: 1002038-24

SDG: PM011810B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/09/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001072

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.000065	mg/L	1	0.00020	0.000061	J	02/10/10 13:37

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B11002

SDG: PM011810B
Project: Plainwell Mill
Instrument: 216
Calibration: 0B11003

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B11002-CAL1	f10wt-a2-007	02/10/10 08:00
Cal Standard	0B11002-CAL3	f10wt-a2-013	02/10/10 08:07
Cal Standard	0B11002-CAL4	f10wt-a2-016	02/10/10 08:12
Cal Standard	0B11002-CAL5	f10wt-a2-019	02/10/10 08:17
Cal Standard	0B11002-CAL6	f10wt-a2-022	02/10/10 08:22
Cal Standard	0B11002-CAL2	f10wt-a2-025	02/10/10 08:28
Secondary Cal Check	0B11002-SCV1	f10wt-a2-028	02/10/10 08:42
Calibration Check	0B11002-CCV1	f10wt-a2-028	02/10/10 08:42
Calibration Blank	0B11002-CCB1	f10wt-a2-031	02/10/10 08:47
MRL Check	0B11002-CRL1	f10wt-a2-034	02/10/10 08:52
Calibration Check	0B11002-CCV2	f10wt-a2-037	02/10/10 08:57
Calibration Blank	0B11002-CCB2	f10wt-a2-040	02/10/10 09:02
Calibration Check	0B11002-CCV3	f10wt-a2-073	02/10/10 10:01
Calibration Blank	0B11002-CCB3	f10wt-a2-076	02/10/10 10:05
Calibration Blank	0B11002-CCB4	f10wt-a2-112	02/10/10 11:04
Calibration Check	0B11002-CCV4	f10wt-a2-115	02/10/10 11:11
Blank	1001072-BLK1	f10wt-a2-124	02/10/10 11:26
LCS	1001072-BS1	f10wt-a2-130	02/10/10 11:36
S-SO-56394-CB-011810-062	1002038-01	f10wt-a2-133	02/10/10 11:41
S-SO-56394-CB-011810-072	1002038-02	f10wt-a2-136	02/10/10 11:46
S-SO-56394-CB-011810-057	1002038-03	f10wt-a2-139	02/10/10 11:51
S-SO-56394-DR-011910-1024	1002038-04	f10wt-a2-142	02/10/10 11:56
SD-SO-56394-CB-011910-077	1002038-06	f10wt-a2-145	02/10/10 12:01
Calibration Check	0B11002-CCV5	f10wt-a2-148	02/10/10 12:06
Calibration Blank	0B11002-CCB5	f10wt-a2-151	02/10/10 12:11
S-SO-56394-CB-011910-081	1002038-07	f10wt-a2-154	02/10/10 12:16
S-SO-56394-CB-011910-086	1002038-08	f10wt-a2-157	02/10/10 12:21
S-SO-56394-DR-012010-1031	1002038-12	f10wt-a2-160	02/10/10 12:26
S-SO-56394-DR-012010-1038	1002038-14	f10wt-a2-163	02/10/10 12:31
S-SO-56394-DR-012010-1038	1001072-MS1	f10wt-a2-166	02/10/10 12:36
S-SO-56394-DR-012010-1038	1001072-MSD1	f10wt-a2-169	02/10/10 12:41
S-SO-56394-DR-012110-1049	1002038-16	f10wt-a2-172	02/10/10 12:46

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B11002

SDG: PM011810B
Project: Plainwell Mill
Instrument: 216
Calibration: 0B11003

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
SD-SO-56394-DR-012110-1049	1002038-17	f10wt-a2-175	02/10/10 12:51
SD-SO-56394-DR-012110-1049	1001072-MS2	f10wt-a2-178	02/10/10 12:56
SD-SO-56394-DR-012110-1049	1001072-MSD2	f10wt-a2-181	02/10/10 13:01
Calibration Check	0B11002-CCV6	f10wt-a2-184	02/10/10 13:06
Calibration Blank	0B11002-CCB6	f10wt-a2-187	02/10/10 13:11
S-SO-56394-CB-012010-105	1002038-19	f10wt-a2-190	02/10/10 13:16
S-SO-56394-CB-012110-109	1002038-21	f10wt-a2-193	02/10/10 13:21
S-SO-56394-CB-012110-114	1002038-22	f10wt-a2-196	02/10/10 13:26
S-SO-56394-CB-012110-116	1002038-23	f10wt-a2-199	02/10/10 13:32
S-SO-56394-CB-012110-118	1002038-24	f10wt-a2-202	02/10/10 13:37
Calibration Blank	0B11002-CCB7	f10wt-a2-223	02/10/10 14:12
Calibration Check	0B11002-CCV7	f10wt-a2-226	02/10/10 14:17
Calibration Check	0B11002-CCV8	f10wt-a2-259	02/10/10 15:17
Calibration Blank	0B11002-CCB8	f10wt-a2-262	02/10/10 15:22
Calibration Check	0B11002-CCV9	f10wt-a2-295	02/10/10 16:19
Calibration Blank	0B11002-CCB9	f10wt-a2-298	02/10/10 16:24

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B24046

SDG: PM011810B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B24012

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B24046-CAL1	f24wt-a2-001	02/24/10 07:22
Cal Standard	0B24046-CAL2	f24wt-a2-004	02/24/10 07:26
Cal Standard	0B24046-CAL3	f24wt-a2-007	02/24/10 07:31
Cal Standard	0B24046-CAL4	f24wt-a2-010	02/24/10 07:36
Cal Standard	0B24046-CAL5	f24wt-a2-013	02/24/10 07:41
Cal Standard	0B24046-CAL6	f24wt-a2-016	02/24/10 07:46
Secondary Cal Check	0B24046-SCV1	f24wt-a2-019	02/24/10 07:51
Calibration Check	0B24046-CCV1	f24wt-a2-019	02/24/10 07:51
Calibration Blank	0B24046-CCB1	f24wt-a2-022	02/24/10 07:56
MRL Check	0B24046-CRL1	f24wt-a2-025	02/24/10 08:01
Calibration Check	0B24046-CCV2	f24wt-a2-064	02/24/10 09:04
Calibration Blank	0B24046-CCB2	f24wt-a2-067	02/24/10 09:09
Blank	1001587-BLK1	f24wt-a2-076	02/24/10 09:46
LCS	1001587-BS1	f24wt-a2-082	02/24/10 09:56
Calibration Check	0B24046-CCV3	f24wt-a2-100	02/24/10 10:25
Calibration Blank	0B24046-CCB3	f24wt-a2-103	02/24/10 10:30
S-SO-56394-CB-011910-077	1002038-05	f24wt-a2-109	02/24/10 10:40
S-SO-56394-CB-011910-090	1002038-09	f24wt-a2-112	02/24/10 10:45
S-SO-56394-CB-012010-094	1002038-10	f24wt-a2-115	02/24/10 10:50
S-SO-56394-CB-012010-099	1002038-11	f24wt-a2-118	02/24/10 10:55
S-SO-56394-DR-012010-1035	1002038-13	f24wt-a2-121	02/24/10 11:00
S-SO-56394-DR-012110-1045	1002038-15	f24wt-a2-124	02/24/10 11:05
S-SO-56394-DR-012110-1050	1002038-18	f24wt-a2-127	02/24/10 11:10
S-SO-56394-CB-012110-107	1002038-20	f24wt-a2-130	02/24/10 11:15
Calibration Check	0B24046-CCV4	f24wt-a2-136	02/24/10 11:25
Calibration Blank	0B24046-CCB4	f24wt-a2-139	02/24/10 11:30
Calibration Check	0B24046-CCV5	f24wt-a2-172	02/24/10 12:25
Calibration Blank	0B24046-CCB5	f24wt-a2-175	02/24/10 12:30

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B11002
Instrument ID: 216
Control Limt: +/- 10.00%
Calibration: 0B11003

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B11002-CCV1	Mercury	3.00	2.93	98	ug/L	02/10/10 08:42
0B11002-CCV2	Mercury	2.00	1.99	99	ug/L	02/10/10 08:57
0B11002-CCV3	Mercury	2.00	2.12	106	ug/L	02/10/10 10:01
0B11002-CCV4	Mercury	2.00	2.09	104	ug/L	02/10/10 11:11
0B11002-CCV5	Mercury	2.00	2.16	108	ug/L	02/10/10 12:06
0B11002-CCV6	Mercury	2.00	2.10	105	ug/L	02/10/10 13:06
0B11002-CCV7	Mercury	2.00	2.01	101	ug/L	02/10/10 14:17
0B11002-CCV8	Mercury	2.00	1.98	99	ug/L	02/10/10 15:17
0B11002-CCV9	Mercury	2.00	2.15	107	ug/L	02/10/10 16:19

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B24046
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0B24012

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B24046-CCV1	Mercury	3.00	3.10	103	ug/L	02/24/10 07:51
0B24046-CCV2	Mercury	2.00	2.08	104	ug/L	02/24/10 09:04
0B24046-CCV3	Mercury	2.00	2.02	101	ug/L	02/24/10 10:25
0B24046-CCV4	Mercury	2.00	2.10	105	ug/L	02/24/10 11:25
0B24046-CCV5	Mercury	2.00	2.13	106	ug/L	02/24/10 12:25

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B11002
Instrument: 216
Laboratory ID: 0B11002-SCV1
Calibration: 0B11003

Analyte	Expected	Found	% R	QC Limit	Units
Mercury	3.00	2.93	98	90-110	ug/L

* Values outside of QC limits

: 00757

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc. **SDG:** PM011810B

Client: SulTRAC **Project:** Plainwell Mill

Sequence: 0B24046 **Instrument:** 114

Laboratory ID: 0B24046-SCV1 **Calibration:** 0B24012

Analyte	Expected	Found	% R	QC Limit	Units
Mercury	3.00	3.10	103	90-110	ug/L

* Values outside of QC limits

: 00758

CRDL STANDARD

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810B

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0B11002

Instrument ID: 216

Calibration: 0B11003

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B11002-CRL1	Mercury	0.200	0.0956	48 *	ug/L	50 - 150

* Values outside of QC limits

00759

CRDL STANDARD

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810B

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0B24046

Instrument ID: 114

Calibration: 0B24012

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B24046-CRL1	Mercury	0.200	0.197	99	ug/L	50 - 150

* Values outside of QC limits

: 00750

BLANKS
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B11002

SDG: PM011810B
Project: Plainwell Mill
Instrument ID: 216
Calibration: 0B11003

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B11002-CCB1	Mercury	-0.0043	0.20	0.061	ug/L	U	02/10/10 08:47
0B11002-CCB2	Mercury	-0.057	0.20	0.061	ug/L	U	02/10/10 09:02
0B11002-CCB3	Mercury	0.023	0.20	0.061	ug/L	U	02/10/10 10:05
0B11002-CCB4	Mercury	-0.016	0.20	0.061	ug/L	U	02/10/10 11:04
0B11002-CCB5	Mercury	-0.051	0.20	0.061	ug/L	U	02/10/10 12:11
0B11002-CCB6	Mercury	-0.040	0.20	0.061	ug/L	U	02/10/10 13:11
0B11002-CCB7	Mercury	-0.021	0.20	0.061	ug/L	U	02/10/10 14:12
0B11002-CCB8	Mercury	-0.052	0.20	0.061	ug/L	U	02/10/10 15:22
0B11002-CCB9	Mercury	0.053	0.20	0.061	ug/L	U	02/10/10 16:24

* Values outside of QC limits

BLANKS
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B24046

SDG: PM011810B
Project: Plainwell Mill
Instrument ID: 114
Calibration: 0B24012

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B24046-CCB1	Mercury	-0.00058	0.20	0.061	ug/L	U	02/24/10 07:56
0B24046-CCB2	Mercury	0.025	0.20	0.061	ug/L	U	02/24/10 09:09
0B24046-CCB3	Mercury	0.0085	0.20	0.061	ug/L	U	02/24/10 10:30
0B24046-CCB4	Mercury	0.017	0.20	0.061	ug/L	U	02/24/10 11:30
0B24046-CCB5	Mercury	0.038	0.20	0.061	ug/L	U	02/24/10 12:30

* Values outside of QC limits

: 00762

QC BATCH SUMMARY
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1001072
QC Batch Matrix: Soil
Preparation: 7470A SPLP Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1001072-BLK1	02/09/10 13:00	
LCS	1001072-BS1	02/09/10 13:00	
S-SO-56394-DR-012010-1038	1001072-MS1	02/09/10 13:00	
SD-SO-56394-DR-012110-1049	1001072-MS2	02/09/10 13:00	
S-SO-56394-DR-012010-1038	1001072-MSD1	02/09/10 13:00	
SD-SO-56394-DR-012110-1049	1001072-MSD2	02/09/10 13:00	
S-SO-56394-CB-011810-062	1002038-01	02/09/10 13:00	
S-SO-56394-CB-011810-072	1002038-02	02/09/10 13:00	
S-SO-56394-CB-011810-057	1002038-03	02/09/10 13:00	
S-SO-56394-DR-011910-1024	1002038-04	02/09/10 13:00	
SD-SO-56394-CB-011910-077	1002038-06	02/09/10 13:00	
S-SO-56394-CB-011910-081	1002038-07	02/09/10 13:00	
S-SO-56394-CB-011910-086	1002038-08	02/09/10 13:00	
S-SO-56394-DR-012010-1031	1002038-12	02/09/10 13:00	
S-SO-56394-DR-012010-1038	1002038-14	02/09/10 13:00	
S-SO-56394-DR-012110-1049	1002038-16	02/09/10 13:00	
SD-SO-56394-DR-012110-1049	1002038-17	02/09/10 13:00	
S-SO-56394-CB-012010-105	1002038-19	02/09/10 13:00	
S-SO-56394-CB-012110-109	1002038-21	02/09/10 13:00	
S-SO-56394-CB-012110-114	1002038-22	02/09/10 13:00	
S-SO-56394-CB-012110-116	1002038-23	02/09/10 13:00	
S-SO-56394-CB-012110-118	1002038-24	02/09/10 13:00	

QC BATCH SUMMARY
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810B

Client: SulTRAC Project: Plainwell Mill

QC Batch: 1001587 QC Batch Matrix: Soil Preparation: 7470A SPLP Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1001587-BLK1	02/23/10 14:00	
LCS	1001587-BS1	02/23/10 14:00	
S-SO-56394-CB-011910-077	1002038-05	02/23/10 14:00	
S-SO-56394-CB-011910-090	1002038-09	02/23/10 14:00	
S-SO-56394-CB-012010-094	1002038-10	02/23/10 14:00	
S-SO-56394-CB-012010-099	1002038-11	02/23/10 14:00	
S-SO-56394-DR-012010-1035	1002038-13	02/23/10 14:00	
S-SO-56394-DR-012110-1045	1002038-15	02/23/10 14:00	
S-SO-56394-DR-012110-1050	1002038-18	02/23/10 14:00	
S-SO-56394-CB-012110-107	1002038-20	02/23/10 14:00	

: 00764

METHOD BLANK DATA SHEET
USEPA-7470A

Laboratory:	TriMatrix Laboratories, Inc.			SDG:	PM011810B
Client:	SulTRAC			Project:	Plainwell Mill
Matrix:	Soil	Laboratory ID:	1001072-BLK1	File ID:	f10wt-a2-124
Prepared:	02/09/10 13:00	Preparation:	7470A SPLP Digestion	Initial/Final:	30 mL / 30 mL
Analyzed:	02/10/10 11:26	Instrument:	216		
QC Batch:	1001072	Sequence:	0B11002	Calibration:	0B11003

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7439-97-6	Mercury, SPLP	0.000061	0.00020	0.00020	mg/L	U

METHOD BLANK DATA SHEET
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1001587-BLK1
File ID: f24wt-a2-076
Prepared: 02/23/10 14:00
Preparation: 7470A SPLP Digestion
Initial/Final: 30 mL / 30 mL
Analyzed: 02/24/10 09:46
Instrument: 114
QC Batch: 1001587
Sequence: 0B24046
Calibration: 0B24012

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7439-97-6	Mercury, SPLP	0.000061	0.00020	0.00020	mg/L	U

00766

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-DR-012010-1038

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810B

Project: Plainwell Mill

Preparation: 7470A SPLP Digestion

Initial/Final: 30 mL / 30 mL

Laboratory ID: 1001072-MS1

QC Batch: 1001072

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Mercury, SPLP	0.00200	ND	0.00157	79 *	80 - 120	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

: 00767

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-DR-012010-1038

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810B

Project: Plainwell Mill

Preparation: 7470A SPLP Digestion

Initial/Final: 30 mL / 30 mL

Laboratory ID: 1001072-MSD1

QC Batch: 1001072

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Mercury, SPLP	0.00200	0.00194	97	21 *	20	80 - 120	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

00768

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-7470A

D-SO-56394-DR-012110-104

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810B

Project: Plainwell Mill

Preparation: 7470A SPLP Digestion

Initial/Final: 30 mL / 30 mL

Laboratory ID: 1001072-MS2

QC Batch: 1001072

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Mercury, SPLP	0.00200	ND	0.00216	108	80 - 120	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

: 00769

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

D-SO-56394-DR-012110-104

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810B

Project: Plainwell Mill

Preparation: 7470A SPLP Digestion

Initial/Final: 30 mL / 30 mL

Laboratory ID: 1001072-MSD2

QC Batch: 1001072

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Mercury, SPLP	0.00200	0.00240	120	10	20	80 - 120	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

00770

LCS / LCS DUPLICATE RECOVERY
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil

Laboratory ID: 1001072-BS1

SDG: PM011810B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Initial/Final: 30 mL / 30 mL
QC Batch: 1001072
Sequence: 0B11002

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Mercury, SPLP	0.00200	0.00225	113	80 - 120	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

00771

LCS / LCS DUPLICATE RECOVERY
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil

Laboratory ID: 1001587-BS1

SDG: PM011810B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Initial/Final: 30 mL / 30 mL
QC Batch: 1001587
Sequence: 0B24046

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Mercury, SPLP	0.00200	0.00260	130 *	80 - 120	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

00772

HOLDING TIME SUMMARY
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810B

Client: SulTRAC

Project: Plainwell Mill

Analyte: Mercury

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-011810-062	01/18/10	01/21/10	02/04/10	02/09/10	5	NA	02/10/10	6	28	
S-SO-56394-CB-011810-072	01/18/10	01/21/10	02/04/10	02/09/10	5	NA	02/10/10	6	28	
S-SO-56394-CB-011810-057	01/18/10	01/21/10	02/04/10	02/09/10	5	NA	02/10/10	6	28	
S-SO-56394-DR-011910-1024	01/19/10	01/21/10	02/04/10	02/09/10	5	NA	02/10/10	6	28	
S-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/23/10	19	NA	02/24/10	20	28	
SD-SO-56394-CB-011910-077	01/19/10	01/21/10	02/04/10	02/09/10	5	NA	02/10/10	6	28	
S-SO-56394-CB-011910-081	01/19/10	01/21/10	02/04/10	02/09/10	5	NA	02/10/10	6	28	
S-SO-56394-CB-011910-086	01/19/10	01/21/10	02/04/10	02/09/10	5	NA	02/10/10	6	28	
S-SO-56394-CB-011910-090	01/19/10	01/21/10	02/04/10	02/23/10	19	NA	02/24/10	20	28	
S-SO-56394-CB-012010-094	01/20/10	01/21/10	02/04/10	02/23/10	19	NA	02/24/10	20	28	
S-SO-56394-CB-012010-099	01/20/10	01/21/10	02/04/10	02/23/10	19	NA	02/24/10	20	28	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10	02/04/10	02/09/10	5	NA	02/10/10	6	28	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10	02/04/10	02/23/10	19	NA	02/24/10	20	28	
S-SO-56394-DR-012010-1038	01/20/10	01/21/10	02/04/10	02/09/10	5	NA	02/10/10	6	28	
S-SO-56394-DR-012110-1045	01/21/10	01/21/10	02/04/10	02/23/10	19	NA	02/24/10	20	28	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/09/10	5	NA	02/10/10	6	28	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10	02/04/10	02/09/10	5	NA	02/10/10	6	28	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10	02/04/10	02/23/10	19	NA	02/24/10	20	28	
S-SO-56394-CB-012010-105	01/20/10	01/21/10	02/04/10	02/09/10	5	NA	02/10/10	6	28	
S-SO-56394-CB-012110-107	01/21/10	01/21/10	02/04/10	02/23/10	19	NA	02/24/10	20	28	
S-SO-56394-CB-012110-109	01/21/10	01/21/10	02/04/10	02/09/10	5	NA	02/10/10	6	28	
S-SO-56394-CB-012110-114	01/21/10	01/21/10	02/04/10	02/09/10	5	NA	02/10/10	6	28	

: 00773

HOLDING TIME SUMMARY
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810B

Client: SulTRAC

Project: Plainwell Mill

Analyte: Mercury

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-012110-116	01/21/10	01/21/10	02/04/10	02/09/10	5	NA	02/10/10	6	28	
S-SO-56394-CB-012110-118	01/21/10	01/21/10	02/04/10	02/09/10	5	NA	02/10/10	6	28	

00774

Metals, Soil, 7470A SPLP Digestion

00775

Batch comments:

MAS 02/09/10 1:00-3:00PM
INST#218@93.9C#222
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client: Source ID	Client: Spike ID	Client: uL Spike	Comments
1001072-BLK1		Feb-09-10 13:00	MAS	30	30				
1001072-BS1		Feb-09-10 13:00	MAS	30	30		9100898	60	
1001072-MS1		Feb-09-10 13:00	MAS	30	30	1002038-14	9100898	60	
1001072-MS2		Feb-09-10 13:00	MAS	30	30	1002038-17	9100898	60	
1001072-MSD1		Feb-09-10 13:00	MAS	30	30	1002038-14	9100898	60	
1001072-MSD2		Feb-09-10 13:00	MAS	30	30	1002038-17	9100898	60	
1002038-01	A 01	Feb-09-10 13:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002038-02	A 01	Feb-09-10 13:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002038-03	A 01	Feb-09-10 13:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002038-04	A 01	Feb-09-10 13:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002038-06	A 01	Feb-09-10 13:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002038-07	A 01	Feb-09-10 13:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002038-08	A 01	Feb-09-10 13:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002038-12	A 01	Feb-09-10 13:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002038-14	A 01	Feb-09-10 13:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									

Comments:

Analyst Initials:

Metals, Soil, 7470A SPLP Digestion

97196

Batch comments:

MAS 02/09/10 1:00-3:00PM
INST#218@93.9C#222
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	*Container*	*Prepared*	*By*	*Initial (mL)*	*Final (mL)*	*Client* Source ID	*Client* Spike ID	*Client* uL Spike	*Comments*
1002038-16	A 01	Feb-09-10 13:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002038-17	A 01	Feb-09-10 13:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002038-19	A 01	Feb-09-10 13:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002038-21	A 01	Feb-09-10 13:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002038-22	A 01	Feb-09-10 13:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002038-23	A 01	Feb-09-10 13:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002038-24	A 01	Feb-09-10 13:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									

Comments:	Analyst Initials:

TriMatrix Laboratories, Inc. PREPARATION BATCH 1001587 Page 1 of 2 Printed: 3/4/2010 2:29:43PM

Metals, Soil, 7470A SPLP Digestion

Batch comments:
MAS 02/23/10 2:00-4:00PM
INST#218@93.9C#222
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1001587-BLK1		Feb-23-10 14:00	MAS	30	30				
1001587-BS1		Feb-23-10 14:00	MAS	30	30		9100898	60	
1002004-02 Hg SPLP 7470A	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
1002004-04 Hg SPLP 7470A	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
1002004-05 Hg SPLP 7470A	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
1002004-07 Hg SPLP 7470A	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
1002004-11 Hg SPLP 7470A	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
1002004-12 Hg SPLP 7470A	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
1002038-05 Hg SPLP 7470A	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
1002038-09 Hg SPLP 7470A	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
1002038-10 Hg SPLP 7470A	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
1002038-11 Hg SPLP 7470A	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
1002038-13 Hg SPLP 7470A	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			

Comments:

Analyst Initials:

Metals, Soil, 7470A SPLP Digestion

00778

Batch comments:

MAS 02/23/10 2:00-4:00PM
INST#218@93.9C#222
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1002038-15	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002038-18	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002038-20	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002144-06	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002144-08	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002144-09	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002144-11	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002144-12	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002144-13	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									

Comments:	Analyst Initials:

2/11 due 2-11

TriMatrix Laboratories, Inc.

TCP/SPP OB11005 Cal Ver No. OB11005
WW OB11003
Wtr OB11004 Cal ID: ob11001
Solv OB11006

Metals Laboratory Instrument Run Sequence Hg Aqueous

Instrument #: 216 **Data File:** F10W02

Date: 2-10-10 **Calibration BLK/ICB/CCB:** 0.5% HNO3 LOT#1109060

Analyst: DSC **Std/SCV prep date/analyst:** JMF 2-09-10

SnCl #: 9120943

Standards/SCV prepped daily
Autosampler Position:

1. BLK/ICB/CCB/9020503
2. STD1/CRL/0.2 ug/L 9100899
3. STD2/0.5 ug/ L 9100900
4. STD3/1.0 ug/L 9100901
5. STD4/CCV/2.0 ug/L 9100902
6. STD5/5.0 ug/L 9100903
7. SCV/3.0 ug/L 9100904

Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor	Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor
11	1000995-5MS				45	MS1			
12	lowb5				46	MSD1			
13	651				47	1002038-16			
14	1002044-01				48	-17			
15	1002102-01				49	MS2			
16	MS1				50	MSD2			
17	MSD1				51	-19			
18	1002112-01				52	-21			
19	1001071-5MS1				53	-22			
20	lowb5				54	-23			
21	651				55	-24			
22	1002056-01				56	1001073-5MS1			
23	1002061-01				57	lowb5			
24	1002087-01				58	651			
25	MS1				59	1002026-01			
26	MSD1				60	-02			
27	1002087-02				61	MS1			
28	1002088-01				62	MSD1			
29	1002091-01				63	-03			
30	-02				64	-4			
31	1002096-01				65	-05			
32	1002097-01				66	-06			
33	1001072-5MS1				67	-07			
34	lowb5				68	-08			
35	651				69	1002084-01			
36	1002038-01				70	1001109-5MS1			
37	-02				71	lowb5			
38	-03				72	651			
39	-04				73	1002051-01			
40	-06				74	MS1			
41	-07				75	MSD1			
42	-08				76	1001146-5MS1			
43	-12				77	lowb5			
44	-14				78	651			

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence Hg Aqueous

Instrument #: 216 **Data File:**

Date: **Calibration BLK/ICB/CCB:** 0.5% HNO3 LOT#1109060

Analyst: **Std/SCV prep date/analyst:**

SnCl #: 9120943

Standards/SCV prepped daily
Autosampler Position:

1. BLK/ICB/CCB/9020503
2. STD1/CRL/0.2 ug/L 9100899
3. STD2/0.5 ug/ L 9100900
4. STD3/1.0 ug/L 9100901
5. STD4/CCV/2.0 ug/L 9100902
6. STD5/5.0 ug/L 9100903
7. SCV/3.0 ug/L 9100904

Position #	ID	Dilution			Position #	ID	Dilution		
		Initial Volume (mL)	Final Volume (mL)	Dilution Factor			Initial Volume (mL)	Final Volume (mL)	Dilution Factor
11	1002110-01				45				
12	blk				46				
13	lcvss				47				
14	lcs1				48				
15	1001379-01				49				
16					50				
17					51				
18					52				
19					53				
20					54				
21					55				
22					56				
23					57				
24					58				
25					59				
26					60				
27					61				
28					62				
29					63				
30					64				
31					65				
32					66				
33					67				
34					68				
35					69				
36					70				
37					71				
38					72				
39					73				
40					74				
41					75				
42					76				
43					77				
44					78				

Calibration Report -

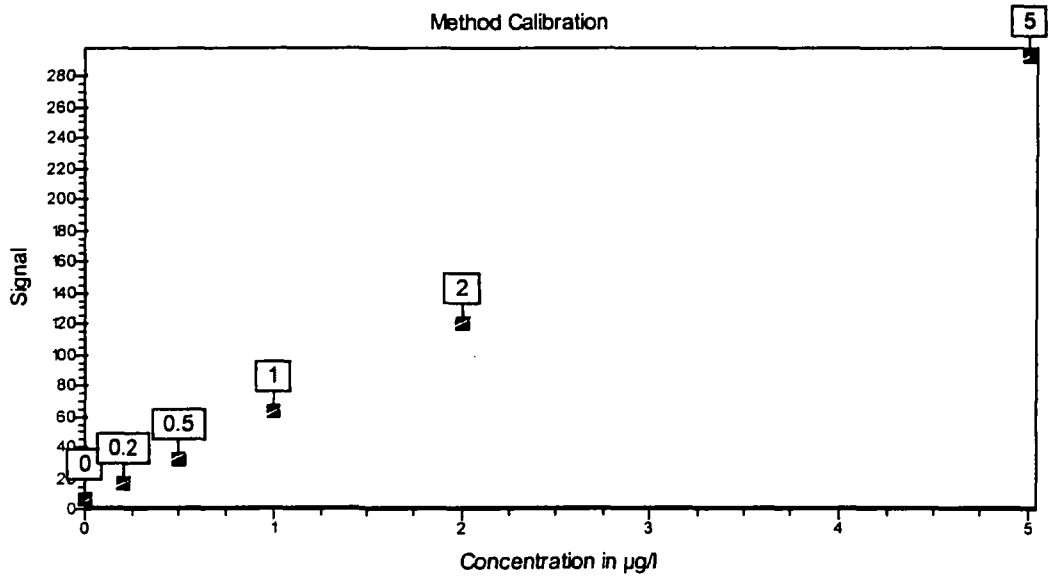
General Details

Measured By :

Calibration #:	Calibration 1
Fit Type :	Least Squares
Unit :	µg/l
Slope :	57.639668
Y Intercept :	5.116841
Correlation Coefficient :	0.999934
Reslope %:	

Definition of Standards

Include	*Pos*	*Runs*	*Conc*	*Pk Ht*	*Pk Area*	*Res %*	*Res Conc*	*Date/Time*
Yes	1	2	0.0	6.693890	252.131088	0.000000	0.027360	10 Feb 2010 08:00
No	2	2	0.2	1.020361	-79.009384	-99.307991	-0.198616	10 Feb 2010 08:03
Yes	3	2	0.5	31.869425	590.291199	-7.173011	-0.035865	10 Feb 2010 08:07
Yes	4	2	1.0	63.582058	988.982056	1.432259	0.014323	10 Feb 2010 08:12
Yes	5	2	2.0	119.937393	1816.844360	-0.397975	-0.007959	10 Feb 2010 08:17
Yes	6	2	5.0	293.544556	4562.697754	0.079590	0.003980	10 Feb 2010 08:22
Yes	2	2	0.2	16.538849	239.955399	-0.918861	-0.001838	10 Feb 2010 08:28



: 00781

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\F10wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
1	2	Cal	0.0		0.000	6.0389	-70.7762	-2.9272	0.9636	15.96	—	—		D	TriMatrix Mercury	10 Feb 2010 07:48
—	1/2	—	—	—	0.000	6.7203	-54.1903	-4.5672	—	—	—	—			TriMatrix Mercury	10 Feb 2010 07:46
—	2/2	—	—	—	0.000	5.3575	-87.3621	-1.2871	—	—	—	—			TriMatrix Mercury	10 Feb 2010 07:48
2	2	Cal	0.2		0.200	5.7389	123.5917	1.0248	5.2799	92.00	—	—		D	TriMatrix Mercury	10 Feb 2010 07:53
—	1/2	—	—	—	0.200	9.4723	291.1582	1.0672	—	—	—	—		D	TriMatrix Mercury	10 Feb 2010 07:51
—	2/2	—	—	—	0.200	2.0054	-43.9748	0.9825	—	—	—	—		D	TriMatrix Mercury	10 Feb 2010 07:53
1	2	Cal	0.0	new cal	0.000	6.6939	252.1311	1.9110	4.7832	71.46	—	—		C1	TriMatrix Mercury	10 Feb 2010 08:00
—	1/2	—	—	—	0.000	3.3117	49.2176	-0.0272	—	—	—	—		D	TriMatrix Mercury	10 Feb 2010 07:59
—	2/2	—	—	—	0.000	10.0761	455.0445	3.8493	—	—	—	—		D	TriMatrix Mercury	10 Feb 2010 08:00
2	2	Cal	0.2		0.200	1.0204	-79.0094	-1.0204	1.4430	141.42	—	—	I	C1	TriMatrix Mercury	10 Feb 2010 08:03
—	1/2	—	—	—	0.200	2.0407	-158.0188	-2.0407	—	—	—	—		C1	TriMatrix Mercury	10 Feb 2010 08:01
—	2/2	—	—	—	0.200	0.0000	0.0000	0.0000	—	—	—	—		C1	TriMatrix Mercury	10 Feb 2010 08:03
3	2	Cal	0.5		0.500	31.8694	590.2912	1.5129	3.8474	12.07	—	—		C1	TriMatrix Mercury	10 Feb 2010 08:07
—	1/2	—	—	—	0.500	34.5899	660.2289	1.2267	—	—	—	—		C1	TriMatrix Mercury	10 Feb 2010 08:05
—	2/2	—	—	—	0.500	29.1489	520.3535	1.7990	—	—	—	—		C1	TriMatrix Mercury	10 Feb 2010 08:07
4	2	Cal	1.0		1.000	63.5821	988.9821	0.3398	3.1817	5.00	—	—		C1	TriMatrix Mercury	10 Feb 2010 08:12
—	1/2	—	—	—	1.000	61.3322	935.6776	1.3097	—	—	—	—		C1	TriMatrix Mercury	10 Feb 2010 08:10
—	2/2	—	—	—	1.000	65.8319	1042.2866	-0.6302	—	—	—	—		C1	TriMatrix Mercury	10 Feb 2010 08:12
5	2	Cal	2.0		2.000	119.9374	1816.8444	-0.4570	1.5138	1.26	—	—		C1	TriMatrix Mercury	10 Feb 2010 08:17
—	1/2	—	—	—	2.000	118.8671	1754.4005	-0.0865	—	—	—	—		C1	TriMatrix Mercury	10 Feb 2010 08:15
—	2/2	—	—	—	2.000	121.0077	1879.2881	-0.8275	—	—	—	—		C1	TriMatrix Mercury	10 Feb 2010 08:17
6	2	Cal	5.0		5.000	293.5446	4562.6978	-3.0710	0.2798	0.10	—	—		C1	TriMatrix Mercury	10 Feb 2010 08:22
—	1/2	—	—	—	5.000	293.3630	4513.1353	-5.2129	—	—	—	—		C1	TriMatrix Mercury	10 Feb 2010 08:19
—	2/2	—	—	—	5.000	293.7261	4612.2607	-0.9292	—	—	—	—		C1	TriMatrix Mercury	10 Feb 2010 08:22
2	2	Cal	0.2		0.200	16.5388	239.9554	-2.4327	3.9652	23.98	—	—		C1	TriMatrix Mercury	10 Feb 2010 08:28
—	1/2	—	—	—	0.200	19.3427	218.7080	-4.9902	—	—	—	—		C1	TriMatrix Mercury	10 Feb 2010 08:26
—	2/2	—	—	—	0.200	13.7350	261.2028	0.1248	—	—	—	—		C1	TriMatrix Mercury	10 Feb 2010 08:28
7	2	Sample	scv		2.933	174.1479	2191.1531	-10.8374	0.0549	1.87	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 08:42
—	1/2	—	—	—	2.894	171.9107	1587.6539	-18.8277	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 08:39
—	2/2	—	—	—	2.971	176.3850	2794.6523	-2.8471	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 08:42
1	2	Sample	ccb		-0.004	4.8702	9.6792	0.6916	0.0557	-1302.78	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 08:47
—	1/2	—	—	—	-0.044	2.5987	-213.9430	-0.3391	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 08:45
—	2/2	—	—	—	0.035	7.1418	233.3015	1.7222	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 08:47

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\F10wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
2	2	Sample	crl		0.096	10.6253	183.7033	1.2259	0.0501	52.42	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 08:52
—	1/2	—	—	—	0.060	8.5834	247.3172	2.5177	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 08:50
—	2/2	—	—	—	0.131	12.6671	120.0895	-0.0660	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 08:52
5	2	Sample	ccv		1.988	119.6955	2031.6802	1.7669	0.1946	9.79	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 08:57
—	1/2	—	—	—	2.125	127.6282	2245.6135	2.6455	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 08:55
—	2/2	—	—	—	1.850	111.7627	1817.7468	0.8884	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 08:57
1	2	Sample	ccb		-0.057	1.8358	-27.4837	0.2144	0.0042	-7.40	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:02
—	1/2	—	—	—	-0.060	1.6642	-32.6301	1.4615	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 08:59
—	2/2	—	—	—	-0.054	2.0074	-22.3373	-1.0327	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:02
11	2	Sample	1000995-blk1		0.022	6.3886	15.5949	-2.7085	0.0503	228.10	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:12
—	1/2	—	—	—	0.058	8.4399	-76.5215	-6.8610	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:09
—	2/2	—	—	—	-0.014	4.3373	107.7112	1.4440	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:12
12	2	Sample	bs1		0.518	34.9834	558.9392	-0.1588	0.1310	25.28	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:17
—	1/2	—	—	—	0.611	40.3227	793.7471	0.1399	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:14
—	2/2	—	—	—	0.426	29.6440	324.1313	-0.4576	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:17
13	2	Sample	1000995-bs1		2.142	128.6034	1974.8052	-0.4671	0.0078	0.37	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:22
—	1/2	—	—	—	2.137	128.2836	1949.0299	-2.1482	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:19
—	2/2	—	—	—	2.148	128.9231	2000.5806	1.2140	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:22
14	2	Sample	1002044-01		-0.029	3.4518	-33.9376	0.0253	0.0317	-109.78	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:26
—	1/2	—	—	—	-0.006	4.7442	132.5198	1.2327	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:24
—	2/2	—	—	—	-0.051	2.1593	-200.3950	-1.1820	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:26
15	2	Sample	1002102-01		-0.048	2.3596	-24.3994	0.7670	0.0146	-30.46	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:31
—	1/2	—	—	—	-0.038	2.9534	-10.0702	0.9071	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:29
—	2/2	—	—	—	-0.058	1.7658	-38.7285	0.6269	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:31
16	2	Sample	1000995-ms1		1.979	119.2021	1942.1851	-2.2632	0.2521	12.74	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:36
—	1/2	—	—	—	2.158	129.4763	2099.2283	-4.2870	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:34
—	2/2	—	—	—	1.801	108.9279	1785.1418	-0.2395	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:36
17	2	Sample	1000995-msd1		2.037	122.5006	2143.2021	1.2661	0.0113	0.55	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:41
—	1/2	—	—	—	2.044	122.9605	2026.6047	-0.0134	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:38
—	2/2	—	—	—	2.029	122.0408	2259.7996	2.5457	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:41
18	2	Sample	1002112-01		0.052	8.1380	120.3984	0.9802	0.0839	160.05	1.00	—	Q	C1	TriMatrix Mercury	10 Feb 2010 09:46
—	1/2	—	—	—	-0.007	4.7189	-70.5184	-1.1264	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:43
—	2/2	—	—	—	0.112	11.5572	311.3152	3.0869	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:46

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\F10wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
19	2	Sample	1001071-blk1		-0.008	4.6286	40.1790	1.9319	0.0199	-234.92	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:51
—	1/2	—	—	—	0.006	5.4396	-31.8141	0.5015	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:48
—	2/2	—	—	—	-0.023	3.8177	112.1722	3.3623	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:51
20	2	Sample	low bs		0.534	35.9110	712.2057	2.8062	0.0541	10.12	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:56
—	1/2	—	—	—	0.496	33.7075	522.4457	2.0426	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:53
—	2/2	—	—	—	0.572	38.1148	901.9657	3.5698	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:56
5	2	Sample	ccv		2.115	127.0369	1914.3491	-1.6524	0.0158	0.75	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:01
—	1/2	—	—	—	2.126	127.6800	1914.5795	-1.5464	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 09:58
—	2/2	—	—	—	2.104	126.3939	1914.1189	-1.7583	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:01
1	2	Sample	ccb		0.023	6.4188	174.5407	1.2128	0.0455	201.23	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:05
—	1/2	—	—	—	-0.010	4.5662	227.4561	4.1075	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:03
—	2/2	—	—	—	0.055	8.2714	121.6252	-1.6818	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:05
21	2	Sample	1001071-bs1		2.053	123.4560	2065.3591	1.5029	0.0727	3.54	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:10
—	1/2	—	—	—	2.104	126.4187	2087.2583	2.5581	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:08
—	2/2	—	—	—	2.002	120.4934	2043.4602	0.4476	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:10
22	2	Sample	1002056-01		-0.011	4.5102	-20.6338	-2.6394	0.0488	-464.00	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:15
—	1/2	—	—	—	-0.045	2.5199	61.4173	0.7267	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:13
—	2/2	—	—	—	0.024	6.5005	-102.6849	-6.0054	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:15
23	2	Sample	1002061-01		0.001	5.2029	99.5877	1.0461	0.0426	2855.20	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:20
—	1/2	—	—	—	-0.029	3.4661	-55.1719	-0.8038	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:18
—	2/2	—	—	—	0.032	6.9397	254.3474	2.8958	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:20
24	2	Sample	1002087-01		0.096	10.6386	13.0619	-1.0499	0.0035	3.69	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:25
—	1/2	—	—	—	0.098	10.7828	-6.5350	-2.4786	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:23
—	2/2	—	—	—	0.093	10.4944	32.6589	0.3788	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:25
25	2	Sample	1001071-ms1		2.412	144.1651	2367.0857	3.2589	0.0434	1.80	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:30
—	1/2	—	—	—	2.443	145.9340	2262.5671	0.7353	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:27
—	2/2	—	—	—	2.382	142.3982	2471.6040	5.7825	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:30
26	2	Sample	1001071-msd1		2.215	132.7623	2209.9211	-0.2068	0.1801	8.13	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:35
—	1/2	—	—	—	2.342	140.1019	2534.2327	-0.0664	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:32
—	2/2	—	—	—	2.087	125.4227	1885.6096	-0.3471	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:35
27	2	Sample	1002087-02		-0.039	2.8591	-4.0127	0.0081	0.0445	-113.64	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:40
—	1/2	—	—	—	-0.071	1.0449	-74.1988	-0.6061	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:37
—	2/2	—	—	—	-0.008	4.6733	66.1735	0.6223	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:40

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\F10wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
28	2	Sample	1002088-01		0.025	6.5671	103.6711	-0.7749	0.0237	94.04	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:45
—	1/2	—	—	—	0.042	7.5314	262.0578	1.7155	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:42
—	2/2	—	—	—	0.008	5.6028	-54.7154	-3.2654	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:45
29	2	Sample	1002091-01		-0.035	3.1013	-8.4017	0.1835	0.0183	-52.38	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:50
—	1/2	—	—	—	-0.022	3.8478	-74.5117	-1.2410	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:47
—	2/2	—	—	—	-0.048	2.3548	57.7084	1.6080	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:50
30	2	Sample	1002091-02		-0.050	2.2402	-135.7416	-0.2837	0.0210	-42.07	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:55
—	1/2	—	—	—	-0.065	1.3845	-124.1461	0.3284	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:52
—	2/2	—	—	—	-0.035	3.0959	-147.3371	-0.8957	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:55
5	2	Sample	ccv		1.320	81.1763	1201.4542	-0.1345	1.2698	96.23	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:00
—	1/2	—	—	—	2.217	132.9285	2211.0994	0.7101	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 10:57
—	2/2	—	—	—	0.422	29.4242	191.8090	-0.9790	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:00
1	2	Sample	ccb		-0.016	4.2001	-39.2392	0.6566	0.0671	-421.77	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:04
—	1/2	—	—	—	-0.063	1.4661	-157.7670	-0.1549	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:02
—	2/2	—	—	—	0.032	6.9341	79.2886	1.4680	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:04
5	2	Sample	ccv		2.087	125.4382	1969.5260	-3.5290	0.1244	5.96	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:11
—	1/2	—	—	—	1.999	120.3670	1905.6542	-0.1411	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:08
—	2/2	—	—	—	2.175	130.5095	2033.3978	-6.9169	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:11
31	2	Sample	1002096-01		-0.036	3.0180	-1.3869	1.3883	0.0352	-96.71	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:16
—	1/2	—	—	—	-0.061	1.5827	-18.0908	2.0215	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:13
—	2/2	—	—	—	-0.012	4.4532	15.3171	0.7551	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:16
32	2	Sample	1002097-01		-0.003	4.9237	-22.3297	-1.6988	0.0400	-1194.04	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:21
—	1/2	—	—	—	-0.032	3.2929	106.1223	2.1635	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:18
—	2/2	—	—	—	0.025	6.5545	-150.7817	-5.5611	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:21
33	2	Sample	1001072-blk1		-0.017	4.1591	22.2614	-0.3704	0.0065	-38.88	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:26
—	1/2	—	—	—	-0.012	4.4224	-7.3688	-1.0887	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:23
—	2/2	—	—	—	-0.021	3.8959	51.8915	0.3479	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:26
34	2	Sample	low bs		0.576	38.3188	411.7332	-6.9614	0.0974	16.91	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:31
—	1/2	—	—	—	0.645	42.2877	444.8822	-10.0100	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:28
—	2/2	—	—	—	0.507	34.3499	378.5843	-3.9129	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:31
35	2	Sample	1001072-bs1		2.252	134.8963	2244.7114	1.5585	0.0281	1.25	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:36
—	1/2	—	—	—	2.232	133.7495	2176.5374	0.7720	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:33
—	2/2	—	—	—	2.271	136.0430	2312.8855	2.3450	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:36

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\F10wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
36	2	Sample	1002038-01		0.017	6.0791	169.4094	1.6100	0.1188	711.58	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:41
—	1/2	—	—	—	-0.067	1.2374	-61.9083	0.6815	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:38
—	2/2	—	—	—	0.101	10.9209	400.7251	2.5385	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:41
37	2	Sample	1002038-02		-0.021	3.9226	-162.7669	-2.1604	0.0248	-119.73	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:46
—	1/2	—	—	—	-0.003	4.9337	-28.0756	-1.4092	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:43
—	2/2	—	—	—	-0.038	2.9116	-297.4583	-2.9116	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:46
38	2	Sample	1002038-03		-0.021	3.9057	-111.9821	-1.2479	0.0232	-110.62	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:51
—	1/2	—	—	—	-0.005	4.8531	3.7963	0.4401	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:48
—	2/2	—	—	—	-0.037	2.9584	-227.7205	-2.9360	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:51
39	2	Sample	1002038-04		0.064	8.8185	122.5133	0.0807	0.0168	26.22	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:56
—	1/2	—	—	—	0.076	9.5049	74.5876	0.5396	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:53
—	2/2	—	—	—	0.052	8.1322	170.4391	-0.3783	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:56
40	2	Sample	1002038-06		0.063	8.7509	205.5697	0.6540	0.0283	44.83	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:01
—	1/2	—	—	—	0.083	9.9030	519.0902	6.0946	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 11:58
—	2/2	—	—	—	0.043	7.5988	-107.9508	-4.7866	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:01
5	2	Sample	ccv		2.164	129.8423	2311.9902	1.8213	0.0053	0.25	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:06
—	1/2	—	—	—	2.160	129.6261	2218.9685	1.2820	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:03
—	2/2	—	—	—	2.168	130.0586	2405.0117	2.3607	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:06
1	2	Sample	ccb		-0.051	2.1858	-73.2080	0.0946	0.0212	-41.66	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:11
—	1/2	—	—	—	-0.066	1.3224	-195.7934	-0.2935	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:08
—	2/2	—	—	—	-0.036	3.0493	49.3774	0.4826	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:11
41	2	Sample	1002038-07		0.053	8.1847	148.2239	0.3684	0.0715	134.43	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:16
—	1/2	—	—	—	0.003	5.2685	284.5925	4.0940	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:13
—	2/2	—	—	—	0.104	11.1008	11.8552	-3.3572	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:16
42	2	Sample	1002038-08		-0.018	4.0938	-62.3336	-1.1664	0.0579	-326.25	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:21
—	1/2	—	—	—	-0.059	1.7337	-214.4438	-0.4900	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:18
—	2/2	—	—	—	0.023	6.4539	89.7766	-1.8428	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:21
43	2	Sample	1002038-12		0.031	6.8777	192.9041	1.6367	0.0823	269.27	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:26
—	1/2	—	—	—	0.089	10.2304	414.8994	2.9793	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:23
—	2/2	—	—	—	-0.028	3.5249	-29.0912	0.2940	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:26
44	2	Sample	1002038-14		-0.013	4.3489	3.4481	0.3480	0.0387	-290.15	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:31
—	1/2	—	—	—	-0.041	2.7733	-116.3630	0.2674	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:28
—	2/2	—	—	—	0.014	5.9245	123.2592	0.4286	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:31

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\F10wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
45	2	Sample	1001072-ms1		1.573	95.7654	1590.5685	1.2436	0.1608	10.22	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:36
—	1/2	—	—	—	1.686	102.3178	1860.2946	2.5827	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:33
—	2/2	—	—	—	1.459	89.2130	1320.8425	-0.0955	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:36
46	2	Sample	1001072-msd1		1.942	117.0362	1802.2036	0.4335	0.0231	1.19	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:41
—	1/2	—	—	—	1.925	116.0926	1788.3763	0.5974	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:38
—	2/2	—	—	—	1.958	117.9798	1816.0309	0.2696	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:41
47	2	Sample	1002038-16		3.107	184.1897	2828.9229	-0.2653	0.0622	2.00	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:46
—	1/2	—	—	—	3.151	186.7238	3108.6797	1.9024	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:43
—	2/2	—	—	—	3.063	181.6556	2549.1660	-2.4331	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:46
48	2	Sample	1002038-17		0.044	7.6587	95.5422	-0.8269	0.0475	107.67	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:51
—	1/2	—	—	—	0.078	9.5938	257.0062	0.7662	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:49
—	2/2	—	—	—	0.011	5.7235	-65.9217	-2.4201	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:51
49	2	Sample	1001072-ms2		2.165	129.8864	1919.4813	0.1974	0.1291	5.97	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:56
—	1/2	—	—	—	2.073	124.6225	1740.2738	0.0769	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:54
—	2/2	—	—	—	2.256	135.1502	2098.6887	0.3180	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:58
50	2	Sample	1001072-msd1		2.401	143.4896	2569.9438	2.4603	0.0621	2.59	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:01
—	1/2	—	—	—	2.357	140.9573	2517.9541	3.3958	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 12:59
—	2/2	—	—	—	2.445	146.0219	2621.9336	1.5248	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:01
5	2	Sample	ccv		2.097	125.9898	1982.6542	-1.0291	0.0482	2.30	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:06
—	1/2	—	—	—	2.063	124.0263	1963.7081	-0.9998	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:04
—	2/2	—	—	—	2.131	127.9532	2002.0004	-1.0584	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:06
1	2	Sample	ccb		-0.040	2.8045	-19.3181	0.7903	0.0159	-39.73	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:11
—	1/2	—	—	—	-0.051	2.1548	-86.5998	1.1254	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:09
—	2/2	—	—	—	-0.029	3.4542	47.9636	0.4552	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:11
51	2	Sample	1002038-19		0.015	5.9811	296.5533	4.5073	0.0049	32.59	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:16
—	1/2	—	—	—	0.012	5.7820	186.3604	3.0971	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:14
—	2/2	—	—	—	0.018	6.1803	406.7462	5.9176	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:16
52	2	Sample	1002038-21		0.064	8.7857	137.9703	0.5190	0.0569	89.32	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:21
—	1/2	—	—	—	0.023	6.4684	47.5848	0.4691	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:19
—	2/2	—	—	—	0.104	11.1030	228.3759	0.5689	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:21
53	2	Sample	1002038-22		-0.062	1.5399	-49.0407	0.1366	0.0017	-2.79	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:26
—	1/2	—	—	—	-0.061	1.6104	-56.8426	0.6613	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:24
—	2/2	—	—	—	-0.063	1.4693	-41.2387	-0.3880	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:26

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\F10wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
54	2	Sample	1002038-23		0.016	6.0228	-86.6409	-4.2026	0.0942	599.45	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:32
—	1/2	—	—	—	0.082	9.8631	-87.5511	-8.4664	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:29
—	2/2	—	—	—	-0.051	2.1826	-85.7306	0.0613	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:32
55	2	Sample	1002038-24		0.065	8.8541	86.4703	-0.1389	0.0188	29.06	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:37
—	1/2	—	—	—	0.052	8.0862	-8.8016	-0.6852	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:34
—	2/2	—	—	—	0.078	9.6221	181.7421	0.4074	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:37
56	2	Sample	1001073-blk1		-0.050	2.2634	-78.1287	0.2983	0.0054	-10.84	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:42
—	1/2	—	—	—	-0.046	2.4821	-57.6858	0.1553	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:39
—	2/2	—	—	—	-0.053	2.0446	-98.5716	0.4413	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:42
57	2	Sample	low bs		0.563	37.5584	487.5477	-4.3725	0.1341	23.82	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:47
—	1/2	—	—	—	0.468	32.0946	561.3183	2.3668	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:44
—	2/2	—	—	—	0.658	43.0223	413.7771	-11.1117	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:47
58	2	Sample	1001073-bs1		2.252	134.8962	1999.6433	-0.9161	0.0401	1.78	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:52
—	1/2	—	—	—	2.280	136.5297	2085.2280	-1.6803	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:49
—	2/2	—	—	—	2.223	133.2627	1914.0586	-0.1519	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:52
59	2	Sample	1002026-01		0.047	7.8251	284.3280	2.4682	0.0189	40.27	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:57
—	1/2	—	—	—	0.034	7.0539	169.0203	0.3077	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:55
—	2/2	—	—	—	0.060	8.5963	399.6357	4.6287	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 13:57
60	2	Sample	1002026-02		-0.065	1.3664	-148.0573	0.5592	0.0062	-9.48	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:02
—	1/2	—	—	—	-0.069	1.1150	-232.0705	0.8828	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:00
—	2/2	—	—	—	-0.061	1.6178	-64.0441	0.2356	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:02
5	2	Sample	ccv		2.215	132.7696	2148.7397	-3.1395	0.0550	2.48	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:07
—	1/2	—	—	—	2.254	135.0102	2285.9780	0.8117	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:05
—	2/2	—	—	—	2.176	130.5290	2011.5016	-7.0907	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:07
1	2	Sample	ccb		-0.021	3.9044	-52.0440	0.6163	0.0433	-205.76	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:12
—	1/2	—	—	—	-0.052	2.1404	-192.4756	2.5819	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:10
—	2/2	—	—	—	0.010	5.6684	88.3876	-1.3492	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:12
5	2	Sample	ccv		2.013	121.1634	1851.6129	-3.6479	0.1831	9.09	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:17
—	1/2	—	—	—	2.143	128.6260	1984.2977	-5.8439	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:15
—	2/2	—	—	—	1.884	113.7007	1718.9280	-1.4519	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:17
61	2	Sample	1001073-ms1		2.321	138.8893	2260.6313	0.4790	0.0976	4.21	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:25
—	1/2	—	—	—	2.390	142.8672	2500.8596	2.4515	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:23
—	2/2	—	—	—	2.252	134.9113	2020.4030	-1.4935	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:25

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\F10wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
62	2	Sample	1001073-msd1		2.287	136.9413	2105.3801	-2.1167	0.0313	1.37	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:30
—	1/2	—	—	—	2.265	135.6649	2197.9060	0.8789	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:28
—	2/2	—	—	—	2.309	138.2177	2012.8542	-5.1123	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:30
63	2	Sample	1002026-03		-0.004	4.8635	-42.9075	-0.7193	0.0432	-982.07	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:36
—	1/2	—	—	—	-0.035	3.1039	-144.1227	-1.0350	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:33
—	2/2	—	—	—	0.026	6.6230	58.3078	-0.4036	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:36
64	2	Sample	1002026-04		-0.011	4.4804	60.1549	0.8098	0.0274	-247.91	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:41
—	1/2	—	—	—	0.008	5.5961	163.4184	1.5162	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:38
—	2/2	—	—	—	-0.030	3.3648	-43.1086	0.1035	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:41
65	2	Sample	1002026-05		0.012	5.7982	70.3368	0.0680	0.0026	21.70	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:46
—	1/2	—	—	—	0.010	5.6937	-1.6453	-0.3287	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:43
—	2/2	—	—	—	0.014	5.9028	142.3190	0.4648	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:46
66	2	Sample	1002026-06		-0.038	2.9502	24.7120	1.1644	0.0010	-2.53	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:51
—	1/2	—	—	—	-0.037	2.9890	41.3493	2.8205	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:48
—	2/2	—	—	—	-0.038	2.9115	8.0747	-0.4917	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:51
67	2	Sample	1002026-07		0.063	8.7221	200.1991	-0.7467	0.0518	82.86	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:56
—	1/2	—	—	—	0.099	10.8344	434.0882	2.8778	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:54
—	2/2	—	—	—	0.026	6.6099	-33.6901	-4.3712	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:56
68	2	Sample	1002026-08		-0.049	2.3102	-148.2996	0.2340	0.0165	-33.86	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:01
—	1/2	—	—	—	-0.060	1.6383	-108.4414	0.8883	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 14:59
—	2/2	—	—	—	-0.037	2.9821	-184.1578	-0.4204	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:01
69	2	Sample	1002084-01		0.044	7.6686	111.8333	-0.4123	0.0294	66.42	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:07
—	1/2	—	—	—	0.023	6.4701	165.4638	1.6694	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:04
—	2/2	—	—	—	0.065	8.8670	58.2029	-2.4940	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:07
70	2	Sample	1001109-blk1		0.004	5.3637	145.8808	1.7582	0.0397	926.80	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:12
—	1/2	—	—	—	-0.024	3.7455	18.6248	-0.2050	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:09
—	2/2	—	—	—	0.032	6.9820	273.1368	3.7215	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:12
5	2	Sample	ccv		1.980	119.2207	1997.9926	1.0009	0.0781	3.95	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:17
—	1/2	—	—	—	1.924	116.0355	2025.0028	1.6301	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:14
—	2/2	—	—	—	2.035	122.4059	1970.9823	0.3716	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:17
1	2	Sample	ccb		-0.052	2.1196	-50.5285	0.5188	0.0339	-65.22	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:22
—	1/2	—	—	—	-0.076	0.7374	-66.5422	0.0881	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:19
—	2/2	—	—	—	-0.028	3.5019	-34.5148	0.9495	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:22

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\F10wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
71	2	Sample	low bs		0.555	37.0923	602.1724	-0.5131	0.0070	1.27	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:27
—	1/2	—	—	—	0.550	36.8053	695.2531	0.3767	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:24
—	2/2	—	—	—	0.560	37.3793	509.0917	-1.4029	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:27
72	2	Sample	1001109-bs1		2.127	127.7025	2050.4907	-4.4833	0.0573	2.70	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:32
—	1/2	—	—	—	2.086	125.3658	2109.2715	-0.7024	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:30
—	2/2	—	—	—	2.167	130.0392	1991.7098	-8.2641	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:32
73	2	Sample	1002051-01		-0.040	2.8274	-45.2341	-0.5994	0.0329	-82.73	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:37
—	1/2	—	—	—	-0.063	1.4880	3.8773	0.7597	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:35
—	2/2	—	—	—	-0.016	4.1667	-94.3455	-1.9585	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:37
74	2	Sample	1001109-ms1		2.243	134.3907	2185.5044	-1.2685	0.0369	1.64	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:43
—	1/2	—	—	—	2.217	132.8880	2280.2939	2.2858	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:40
—	2/2	—	—	—	2.269	135.8933	2090.7146	-4.8228	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:43
75	2	Sample	1001109-msd1		2.216	132.8596	2037.5260	-0.4644	0.0852	3.84	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:48
—	1/2	—	—	—	2.156	129.3888	1814.4615	-2.2920	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:45
—	2/2	—	—	—	2.276	136.3303	2260.5906	1.3632	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:48
76	2	Sample	1001146-blk1		-0.004	4.8782	3.1343	0.5211	0.0845	-2040.26	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:53
—	1/2	—	—	—	0.056	8.3209	254.1009	1.3124	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:50
—	2/2	—	—	—	-0.064	1.4356	-247.8322	-0.2702	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:53
77	2	Sample	low bs		0.476	32.5398	650.6262	1.7614	0.1120	23.54	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:58
—	1/2	—	—	—	0.397	27.9743	459.2932	0.4112	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:56
—	2/2	—	—	—	0.555	37.1052	841.9592	3.1116	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 15:58
78	2	Sample	1001146-bs1		2.205	132.2316	2075.2410	-1.3835	0.1424	6.46	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:03
—	1/2	—	—	—	2.105	126.4260	2010.9810	-0.3981	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:01
—	2/2	—	—	—	2.306	138.0372	2139.5010	-2.3689	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:03
79	2	Sample	1002110-01		0.001	5.1741	99.2548	0.5579	0.0118	1184.01	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:09
—	1/2	—	—	—	-0.007	4.6945	208.4500	2.2296	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:06
—	2/2	—	—	—	0.009	5.6538	-9.9403	-1.1137	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:09
80	2	Sample	blk		-0.004	4.9034	86.0078	3.3654	0.0564	-1522.72	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:14
—	1/2	—	—	—	-0.044	2.6046	102.9560	4.6211	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:11
—	2/2	—	—	—	0.036	7.2021	69.0596	2.1096	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:14
5	2	Sample	ccv		2.147	128.8589	2116.6064	-0.3344	0.0328	1.53	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:19
—	1/2	—	—	—	2.124	127.5225	2027.7722	-1.0535	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:16
—	2/2	—	—	—	2.170	130.1954	2205.4404	0.3846	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:19

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\F10wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
1	2	Sample	ccb		0.053	8.1998	248.2090	0.8237	0.0843	157.58	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:24
—	1/2	—	—	—	-0.006	4.7647	91.0955	0.0440	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:24
—	2/2	—	—	—	0.113	11.6349	401.3225	1.6034	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:24
81	2	Sample	low bs		0.482	32.8734	491.1667	0.6132	0.0516	10.71	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:33
—	1/2	—	—	—	0.445	30.7706	376.8142	-0.4128	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:30
—	2/2	—	—	—	0.518	34.9763	605.5193	1.6392	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:33
82	2	Sample	bs1		2.310	138.2477	2230.9019	-0.6740	0.0071	0.31	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:38
—	1/2	—	—	—	2.315	138.5386	2112.3052	-3.3145	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:36
—	2/2	—	—	—	2.305	137.9568	2349.4985	1.9666	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:38
83	2	Sample	1001379-01		-0.048	2.3768	-161.6935	0.5410	0.0238	-50.01	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:44
—	1/2	—	—	—	-0.064	1.4079	-360.1707	0.8370	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:41
—	2/2	—	—	—	-0.031	3.3457	36.7837	0.2451	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:44
5	2	Sample	ccv		0.587	38.9595	450.2987	1.4585	0.9249	157.53	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:49
—	1/2	—	—	—	1.241	76.6570	1121.0198	3.6393	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:46
—	2/2	—	—	—	-0.067	1.2620	-220.4224	-0.7223	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:49
1	2	Sample	ccb		-0.015	4.2315	112.9208	1.0620	0.0444	-289.40	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:54
—	1/2	—	—	—	-0.047	2.4199	20.8228	1.0977	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:51
—	2/2	—	—	—	0.016	6.0432	205.0187	1.0264	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 16:54
5	2	Sample	ccv		2.083	125.1721	1933.2366	-0.2378	0.0119	0.57	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 17:25
—	1/2	—	—	—	2.074	124.6860	1891.7059	-0.7858	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 17:23
—	2/2	—	—	—	2.091	125.6583	1974.7671	0.3102	—	—	1.00	—		C1	TriMatrix Mercury	10 Feb 2010 17:25

QPP 2/25 due 2/25

TriMatrix Laboratories, Inc.

tclp 0B24045
sp'p 0B24046 cal ID:
wtr 0B24047 0B24042

Metals Laboratory Instrument Run Sequence Hg Aqueous

Instrument #: 216
Date: 2-24-10
Analyst: DSL
SnCl #: 9120943

Data File: F24wt92
Calibration BLK/ICB/CCB: 0.5% HNO3 LOT#1109060
Std/SCV prep date/analyst: DSL 2-23-10

Standards/SCV prepped daily
Autosampler Position:

1. BLK/ICB/CCB/9020503
2. STD1/CRL/0.2 ug/L 9100899
3. STD2/0.5 ug/ L 9100900
4. STD3/1.0 ug/L 9100901
5. STD4/CCV/2.0 ug/L 9100902
6. STD5/5.0 ug/L 9100903
7. SCV/3.0 ug/L 9100904

Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor	Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor
11	1001586-blk1				45	1002144-13			
12	lowbs				46	1001588-blk1			
13	bs1				47	lowbs			
14	1002246-01				48	bs1			
15	-04				49	1002144-15			
16	-05				50	1001589-blk1			
17	1002247-01				51	lowbs			
18	-02				52	bs1			
19	-03				53	1002241-01			
20	1002251-01				54	-02			
21	MS1				55	-03			
22	MSD1				56	-04			
23	1001587-blk1				57	-05			
24	lowbs				58	-06			
25	bs1				59	-07			
26	1002004-02				60	-08			
27	-04				61	-09			
28	-05				62	-10			
29	-07				63	-11			
30	-11				64	-12			
31	-12				65	-13			
32	1002038-05				66	-14			
33	-09				67	1002265-01			
34	-10				68	-02			
35	-11				69	-03			
36	-13				70	-04			
37	-15				71	MS1			
38	-18				72	MSD1			
39	-20				73	-05			
40	1002144-06				74	-06			
41	-08				75				
42	-09				76				
43	-11				77				
44	-12				78				

tclp wst

sp'p soil

sp'p soil

wtr

Calibration Report -

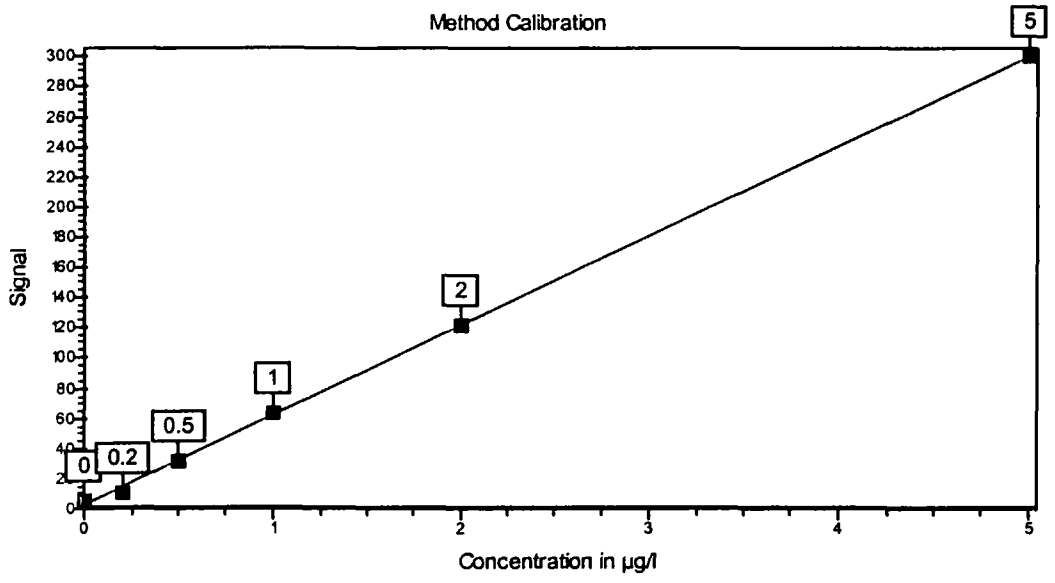
General Details

Measured By :

Calibration #:	Default
Fit Type :	Least Squares
Unit :	µg/l
Slope :	59.617680
Y Intercept :	2.370774
Correlation Coefficient :	0.999850
Reslope %:	

Definition of Standards

Include	*Pos*	*Runs*	*Conc*	*Pk Ht*	*Pk Area*	*Res %*	*Res Conc*	*Date/Time*
Yes	1	2	0.00	4.790260	203.348526	0.000000	0.040583	24 Feb 2010 07:22
Yes	2	2	0.20	10.970352	116.742065	-27.877283	-0.055755	24 Feb 2010 07:26
Yes	3	2	0.50	31.652922	486.605194	-1.766899	-0.008834	24 Feb 2010 07:31
Yes	4	2	1.00	63.053497	1118.731812	1.786456	0.017865	24 Feb 2010 07:36
Yes	5	2	2.00	122.261978	1934.834351	0.550042	0.011001	24 Feb 2010 07:41
Yes	6	2	5.00	300.169464	4911.672852	-0.097189	-0.004859	24 Feb 2010 07:46



Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f24wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
1	2	Cal	0.00		0.000	4.7903	203.3485	2.4343	1.7417	38.38	—	—		D	TriMatrix Mercury	24 Feb 2010 07:22
—	1/2	—	—	—	0.000	6.0218	242.1943	1.9134	—	—	—	—			TriMatrix Mercury	24 Feb 2010 07:19
—	2/2	—	—	—	0.000	3.5587	164.5027	2.9552	—	—	—	—			TriMatrix Mercury	24 Feb 2010 07:22
2	2	Cal	0.20		0.200	10.9704	116.7421	0.7180	2.8480	25.96	—	—		D	TriMatrix Mercury	24 Feb 2010 07:26
—	1/2	—	—	—	0.200	12.9842	141.1090	-0.0760	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:24
—	2/2	—	—	—	0.200	8.9585	92.3751	1.5121	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:26
3	2	Cal	0.50		0.500	31.6529	486.6052	-0.7889	2.7840	8.80	—	—		D	TriMatrix Mercury	24 Feb 2010 07:31
—	1/2	—	—	—	0.500	33.6215	622.6989	0.3504	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:29
—	2/2	—	—	—	0.500	29.6843	350.5115	-1.9282	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:31
4	2	Cal	1.00		1.000	63.0535	1118.7318	2.6886	1.9788	3.14	—	—		D	TriMatrix Mercury	24 Feb 2010 07:36
—	1/2	—	—	—	1.000	64.4526	1178.1458	3.3019	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:34
—	2/2	—	—	—	1.000	61.6544	1059.3180	2.0753	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:36
5	2	Cal	2.00		2.000	122.2620	1934.8344	0.2090	0.3505	0.29	—	—		D	TriMatrix Mercury	24 Feb 2010 07:41
—	1/2	—	—	—	2.000	122.5098	1939.4254	0.1250	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:38
—	2/2	—	—	—	2.000	122.0142	1930.2434	0.2930	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:41
6	2	Cal	5.00		5.000	300.1695	4911.6729	-1.1086	4.2674	1.42	—	—		D	TriMatrix Mercury	24 Feb 2010 07:46
—	1/2	—	—	—	5.000	297.1525	4691.4497	-2.4807	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:43
—	2/2	—	—	—	5.000	303.1864	5131.8955	0.2636	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:46
7	2	Sample	scv		3.103	187.3866	2946.9004	-0.3775	0.0193	0.62	1.00	—		D	TriMatrix Mercury	24 Feb 2010 07:51
—	1/2	—	—	—	3.117	188.2019	2928.6658	-0.5630	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 07:49
—	2/2	—	—	—	3.090	186.5714	2965.1348	-0.1919	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 07:51
1	2	Sample	ccb		-0.001	2.3362	-56.2785	-0.5613	0.0381	-6567.07	1.00	—		D	TriMatrix Mercury	24 Feb 2010 07:56
—	1/2	—	—	—	-0.028	0.7305	-71.4872	0.2258	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 07:54
—	2/2	—	—	—	0.026	3.9419	-41.0697	-1.3483	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 07:56
2	2	Sample	crl		0.197	14.1259	239.9289	1.0077	0.0109	5.51	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:01
—	1/2	—	—	—	0.189	13.6678	261.5014	1.4174	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 07:58
—	2/2	—	—	—	0.205	14.5840	218.3564	0.5981	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:01
5	2	Sample	ccv		2.139	129.8728	2081.3052	-2.2741	0.0968	4.53	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:06
—	1/2	—	—	—	2.070	125.7909	2060.8208	0.1100	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:03
—	2/2	—	—	—	2.207	133.9548	2101.7893	-4.6582	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:06
1	2	Sample	ccb		-0.014	1.5649	-125.2782	-1.1823	0.0085	-63.21	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:10
—	1/2	—	—	—	-0.007	1.9250	-138.3642	-1.2125	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:08
—	2/2	—	—	—	-0.020	1.2047	-112.1922	-1.1522	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:10

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f24wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
11	2	Sample	1001586-blk1		0.014	3.1883	-71.4856	-0.5375	0.0143	104.47	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:15
—	1/2	—	—	—	0.004	2.5844	-85.0007	-0.9147	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:13
—	2/2	—	—	—	0.024	3.7922	-57.9705	-0.1603	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:15
12	2	Sample	low bs		0.493	31.7491	528.0969	0.7741	0.0309	6.28	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:20
—	1/2	—	—	—	0.471	30.4448	484.3763	-0.6073	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:18
—	2/2	—	—	—	0.515	33.0534	571.8174	2.1554	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:20
13	2	Sample	1001586-bs1		2.153	130.7469	2037.2052	-2.7071	0.0236	1.10	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:25
—	1/2	—	—	—	2.137	129.7513	2025.8981	-2.1228	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:23
—	2/2	—	—	—	2.170	131.7424	2048.5125	-3.2915	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:25
14	2	Sample	1002246-01		0.289	19.6189	363.6899	0.6884	0.0914	31.61	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:30
—	1/2	—	—	—	0.225	15.7641	238.5337	0.3256	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:28
—	2/2	—	—	—	0.354	23.4737	488.8461	1.0512	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:30
15	2	Sample	1002246-04		0.039	4.6977	149.1355	2.6221	0.0468	119.94	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:35
—	1/2	—	—	—	0.072	6.6713	330.9247	5.6475	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:32
—	2/2	—	—	—	0.006	2.7242	-32.6537	-0.4033	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:35
16	2	Sample	1002246-05		0.085	7.4453	-11.7533	-5.1130	0.1049	123.24	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:40
—	1/2	—	—	—	0.159	11.8675	48.4768	-7.4212	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:37
—	2/2	—	—	—	0.011	3.0230	-71.9834	-2.8048	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:40
17	2	Sample	1002247-01		-0.017	1.3325	-83.9205	-0.2676	0.0139	-80.01	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:44
—	1/2	—	—	—	-0.027	0.7451	-69.2113	-0.6159	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:42
—	2/2	—	—	—	-0.008	1.9200	-98.6298	0.0806	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:44
18	2	Sample	1002247-02		0.041	4.7876	68.2252	-0.3672	0.0075	18.43	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:49
—	1/2	—	—	—	0.035	4.4727	146.7567	0.9418	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:47
—	2/2	—	—	—	0.046	5.1026	-10.3064	-1.6762	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:49
19	2	Sample	1002247-03		0.030	4.1854	13.1122	-0.9811	0.0016	5.34	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:54
—	1/2	—	—	—	0.032	4.2539	17.0299	0.1073	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:52
—	2/2	—	—	—	0.029	4.1168	9.1944	-2.0695	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:54
20	2	Sample	1002251-01		0.021	3.6446	25.0902	0.5772	0.0309	144.41	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:59
—	1/2	—	—	—	0.043	4.9453	58.9082	0.9140	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:57
—	2/2	—	—	—	0.000	2.3439	-8.7278	0.2405	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:59
5	2	Sample	ccv		2.079	126.2890	1954.8170	-3.0422	0.0350	1.68	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:04
—	1/2	—	—	—	2.103	127.7630	1952.2544	-6.9162	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:02
—	2/2	—	—	—	2.054	124.8150	1957.3795	0.8317	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:04

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f24wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
1	2	Sample	ccb		0.025	3.8783	-33.9493	-0.7082	0.0160	63.42	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:09
—	1/2	—	—	—	0.014	3.2022	61.9661	0.2804	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:07
—	2/2	—	—	—	0.037	4.5544	-129.8647	-1.6967	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:09
21	2	Sample	1001586-ms1		2.072	125.9197	2071.7727	0.4154	0.0520	2.51	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:36
—	1/2	—	—	—	2.109	128.1117	2160.5408	-0.1871	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:34
—	2/2	—	—	—	2.036	123.7277	1983.0045	1.0179	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:36
22	2	Sample	1001586-msd1		2.016	122.5364	1938.6262	-0.2602	0.0303	1.50	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:41
—	1/2	—	—	—	2.037	123.8142	2054.7195	2.0880	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:38
—	2/2	—	—	—	1.994	121.2586	1822.5328	-2.6084	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:41
23	2	Sample	1001587-blk1		-0.008	1.8860	-78.1533	0.5161	0.0215	-264.36	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:46
—	1/2	—	—	—	0.007	2.7922	-39.9139	1.0724	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:43
—	2/2	—	—	—	-0.023	0.9798	-116.3928	-0.0403	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:46
24	2	Sample	low bs		0.537	34.3889	610.5920	0.8056	0.0383	7.13	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:51
—	1/2	—	—	—	0.564	36.0030	709.9149	1.4779	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:48
—	2/2	—	—	—	0.510	32.7748	511.2692	0.1333	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:51
25	2	Sample	1001587-bs1		2.603	157.5657	2522.1248	-0.1463	0.0578	2.22	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:56
—	1/2	—	—	—	2.644	160.0033	2653.7324	0.5347	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:53
—	2/2	—	—	—	2.562	155.1281	2390.5168	-0.8273	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:56
26	2	Sample	1002004-02		0.016	3.3171	-77.9197	0.0717	0.0040	24.99	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:01
—	1/2	—	—	—	0.013	3.1499	-154.0128	-1.1860	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:58
—	2/2	—	—	—	0.019	3.4844	-1.8266	1.3293	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:01
27	2	Sample	1002004-04		0.021	3.6519	30.6380	0.0246	0.0069	32.29	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:05
—	1/2	—	—	—	0.017	3.3594	112.7449	2.4322	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:03
—	2/2	—	—	—	0.026	3.9444	-51.4689	-2.3829	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:05
28	2	Sample	1002004-05		-0.007	1.9335	44.0896	1.5618	0.0276	-376.39	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:10
—	1/2	—	—	—	-0.027	0.7697	-58.9971	0.7740	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:08
—	2/2	—	—	—	0.012	3.0973	147.1764	2.3496	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:10
29	2	Sample	1002004-07		-0.004	2.1095	-69.8295	-1.2412	0.0085	-195.06	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:15
—	1/2	—	—	—	0.002	2.4699	-143.9898	-2.4699	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:13
—	2/2	—	—	—	-0.010	1.7492	4.3308	-0.0126	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:15
30	2	Sample	1002004-11		0.009	2.9217	-75.4519	-0.1761	0.0154	166.21	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:20
—	1/2	—	—	—	-0.002	2.2742	-207.3023	-1.2332	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:18
—	2/2	—	—	—	0.020	3.5693	56.3985	0.8809	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:20

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f24wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
5	2	Sample	ccv		2.024	123.0360	2033.2252	-0.2422	0.1199	5.92	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:26
—	1/2	—	—	—	1.939	117.9835	1964.1786	-1.1051	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:23
—	2/2	—	—	—	2.109	128.0885	2102.2717	0.6207	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:25
1	2	Sample	ccb		0.009	2.8776	-23.0132	-0.2879	0.0108	127.13	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:30
—	1/2	—	—	—	0.016	3.3333	-36.7018	-0.0115	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:28
—	2/2	—	—	—	0.001	2.4220	-9.3246	-0.5643	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:30
31	2	Sample	1002004-12		0.005	2.6737	-66.5012	-0.1403	0.0270	531.39	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:35
—	1/2	—	—	—	0.024	3.8119	1.1681	1.0965	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:32
—	2/2	—	—	—	-0.014	1.5355	-134.1704	-1.3771	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:35
32	2	Sample	1002038-05		-0.008	1.8655	-42.6269	0.4054	0.0086	-100.97	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:40
—	1/2	—	—	—	-0.015	1.5047	-142.1436	-0.7557	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:37
—	2/2	—	—	—	-0.002	2.2263	56.8858	1.5666	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:40
33	2	Sample	1002038-09		0.050	5.3752	122.4902	1.2675	0.0185	36.62	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:45
—	1/2	—	—	—	0.063	6.1533	181.3583	1.6622	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:42
—	2/2	—	—	—	0.037	4.5972	63.6220	0.8728	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:45
34	2	Sample	1002038-10		0.052	5.4413	163.6052	1.4231	0.0120	23.31	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:50
—	1/2	—	—	—	0.060	5.9473	245.7499	3.1323	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:47
—	2/2	—	—	—	0.043	4.9353	81.4604	-0.2860	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:50
35	2	Sample	1002038-11		0.033	4.3106	-22.8306	-2.1690	0.0197	60.64	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:55
—	1/2	—	—	—	0.046	5.1424	-112.3703	-4.6453	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:52
—	2/2	—	—	—	0.019	3.4788	66.7091	0.3074	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:55
36	2	Sample	1002038-13		0.021	3.6337	-59.2657	-1.8103	0.0048	22.76	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:00
—	1/2	—	—	—	0.018	3.4304	24.0546	-0.0366	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:57
—	2/2	—	—	—	0.025	3.8370	-142.5860	-3.5840	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:00
37	2	Sample	1002038-15		0.003	2.5369	-27.2894	0.8493	0.0299	1074.13	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:05
—	1/2	—	—	—	0.024	3.7989	-90.9200	-0.5370	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:02
—	2/2	—	—	—	-0.018	1.2749	36.3412	2.2357	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:05
38	2	Sample	1002038-18		0.028	4.0478	103.9402	1.5236	0.0537	190.73	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:10
—	1/2	—	—	—	-0.010	1.7860	-26.2854	0.7037	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:07
—	2/2	—	—	—	0.066	6.3097	234.1658	2.3435	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:10
39	2	Sample	1002038-20		0.010	2.9677	-8.3705	0.6917	0.0305	304.67	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:15
—	1/2	—	—	—	0.032	4.2537	-69.4204	-1.1025	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:12
—	2/2	—	—	—	-0.012	1.6817	52.6794	2.4859	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:15

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f24wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
40	2	Sample	1002144-06		0.036	4.5468	36.0499	-0.7408	0.0307	84.01	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:20
—	1/2	—	—	—	0.015	3.2542	37.5325	-0.6165	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:17
—	2/2	—	—	—	0.058	5.8395	34.5673	-0.8651	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:20
5	2	Sample	ccv		2.095	127.2963	2178.5647	2.2307	0.0247	1.18	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:25
—	1/2	—	—	—	2.078	126.2540	2243.1355	3.2752	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:22
—	2/2	—	—	—	2.113	128.3386	2113.9939	1.1862	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:25
1	2	Sample	ccb		0.017	3.4012	-84.0269	-1.3599	0.0665	384.74	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:30
—	1/2	—	—	—	0.064	6.2045	-22.3744	-4.0806	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:27
—	2/2	—	—	—	-0.030	0.5979	-145.6795	1.3607	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:30
41	2	Sample	1002144-08		0.030	4.1517	61.1176	0.5806	0.0222	74.18	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:35
—	1/2	—	—	—	0.046	5.0859	148.2133	0.8501	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:32
—	2/2	—	—	—	0.014	3.2176	-25.9782	0.3112	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:35
42	2	Sample	1002144-09		0.037	4.5581	219.1639	3.5585	0.0473	128.90	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:40
—	1/2	—	—	—	0.003	2.5645	60.8121	2.0016	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:37
—	2/2	—	—	—	0.070	6.5517	377.5158	5.1155	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:40
43	2	Sample	1002144-11		0.038	4.6439	7.7893	-1.8995	0.0400	104.97	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:45
—	1/2	—	—	—	0.010	2.9566	8.1694	0.1230	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:42
—	2/2	—	—	—	0.066	6.3312	7.4091	-3.9219	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:45
44	2	Sample	1002144-12		-0.006	1.9931	-138.8969	-1.1353	0.0102	-160.95	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:50
—	1/2	—	—	—	-0.014	1.5632	-41.5903	0.1523	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:47
—	2/2	—	—	—	0.001	2.4230	-236.2035	-2.4230	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:50
45	2	Sample	1002144-13		0.042	4.9011	106.5118	1.6325	0.0052	12.18	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:55
—	1/2	—	—	—	0.046	5.1190	173.4751	2.6290	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:52
—	2/2	—	—	—	0.039	4.6832	39.5485	0.6361	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:55
46	2	Sample	1001588-blk1		0.020	3.5448	-51.7205	-0.6192	0.0382	193.83	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:00
—	1/2	—	—	—	-0.007	1.9357	-75.4082	-0.8600	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:57
—	2/2	—	—	—	0.047	5.1540	-28.0328	-0.3785	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:00
47	2	Sample	low bs		0.258	17.7464	281.1864	-0.7283	0.0232	8.99	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:05
—	1/2	—	—	—	0.274	18.7241	260.2099	-1.7194	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:02
—	2/2	—	—	—	0.242	16.7687	302.1629	0.2628	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:05
48	2	Sample	1001588-bs1		2.086	126.7188	1853.4427	1.9933	0.0226	1.09	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:10
—	1/2	—	—	—	2.070	125.7639	1782.3051	5.4578	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:07
—	2/2	—	—	—	2.102	127.6737	1924.5806	-1.4712	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:10

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f24wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
49	2	Sample	1002144-15		0.028	4.0163	-49.7726	-1.4622	0.0696	252.01	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:15
—	1/2	—	—	—	-0.022	1.0840	-117.9830	-0.1774	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:13
—	2/2	—	—	—	0.077	6.9486	18.4378	-2.7471	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:18
50	2	Sample	1001589-blk1		0.007	2.7993	-33.1173	0.3173	0.0460	640.00	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:20
—	1/2	—	—	—	-0.025	0.8600	-133.5597	0.1935	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:18
—	2/2	—	—	—	0.040	4.7386	67.3251	0.4411	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:20
5	2	Sample	ccv		2.127	129.1504	2094.5981	1.0037	0.0373	1.75	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:25
—	1/2	—	—	—	2.153	130.7240	2129.7886	1.6079	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:23
—	2/2	—	—	—	2.100	127.5769	2059.4077	0.3996	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:25
1	2	Sample	ccb		0.038	4.6617	-169.0377	-4.5176	0.0554	144.21	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:30
—	1/2	—	—	—	0.078	6.9977	-121.1008	-6.7095	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:27
—	2/2	—	—	—	-0.001	2.3256	-216.9746	-2.3256	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:30
51	2	Sample	low bs		0.504	32.4336	511.8835	-0.1553	0.0459	9.11	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:51
—	1/2	—	—	—	0.472	30.4970	439.7731	-1.0223	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:48
—	2/2	—	—	—	0.537	34.3701	583.9938	0.7118	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:51
52	2	Sample	1001589-bs1		2.148	130.4026	1993.4584	-1.7355	0.0234	1.09	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:56
—	1/2	—	—	—	2.164	131.3910	2101.4824	-1.9942	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:53
—	2/2	—	—	—	2.131	129.4143	1885.4344	-1.4768	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:56
53	2	Sample	1002241-01		0.032	4.3009	170.3019	2.6919	0.0271	83.81	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:01
—	1/2	—	—	—	0.052	5.4447	274.9802	4.2857	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:58
—	2/2	—	—	—	0.013	3.1570	65.6235	1.0982	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:01
54	2	Sample	1002241-02		0.052	5.4918	146.5327	0.1790	0.0009	1.69	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:06
—	1/2	—	—	—	0.053	5.5291	299.8955	3.9109	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:04
—	2/2	—	—	—	0.052	5.4544	-6.8302	-3.5530	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:06
55	2	Sample	1002241-03		-0.004	2.1326	-32.9730	-0.1890	0.0075	-188.01	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:11
—	1/2	—	—	—	0.001	2.4492	-79.9090	-0.3544	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:09
—	2/2	—	—	—	-0.009	1.8161	13.9630	-0.0236	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:11
56	2	Sample	1002241-04		0.050	5.3625	-20.4719	-2.4386	0.0177	35.32	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:16
—	1/2	—	—	—	0.063	6.1098	-119.3383	-6.0840	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:14
—	2/2	—	—	—	0.038	4.6153	78.3945	1.2067	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:16
57	2	Sample	1002241-05		0.017	3.4004	35.7133	0.4461	0.0292	168.95	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:21
—	1/2	—	—	—	-0.003	2.1703	-43.3919	0.4021	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:19
—	2/2	—	—	—	0.038	4.6304	114.8185	0.4901	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:21

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f24wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
58	2	Sample	1002241-06		0.022	3.6724	-28.0490	-1.2906	0.0252	115.49	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:2
—	1/2	—	—	—	0.004	2.6095	-55.7675	-0.7390	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:2
—	2/2	—	—	—	0.040	4.7353	-0.3305	-1.8421	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:2
59	2	Sample	1002241-07		-0.018	1.3054	-78.6012	-0.4639	0.0037	-20.45	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:31
—	1/2	—	—	—	-0.015	1.4594	-114.8300	-0.9905	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:29
—	2/2	—	—	—	-0.020	1.1513	-42.3725	0.0628	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:31
60	2	Sample	1002241-08		0.018	3.4441	-82.7345	-2.6698	0.0437	242.45	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:37
—	1/2	—	—	—	0.049	5.2843	-26.9462	-3.9926	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:34
—	2/2	—	—	—	-0.013	1.6040	-138.5228	-1.3469	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:37
5	2	Sample	ccv		1.872	113.9972	1227.5530	-11.3112	0.0843	4.50	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:45
—	1/2	—	—	—	1.813	110.4427	688.1531	-20.0117	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:43
—	2/2	—	—	—	1.932	117.5516	1766.9528	-2.6107	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:45
1	2	Sample	ccb		0.004	2.6232	9.9984	0.1435	0.0176	414.48	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:50
—	1/2	—	—	—	-0.008	1.8833	69.0919	0.7619	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:48
—	2/2	—	—	—	0.017	3.3632	-49.0952	-0.4750	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:50
61	2	Sample	1002241-09		0.001	2.4403	-72.5186	-0.4773	0.0183	1564.48	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:55
—	1/2	—	—	—	-0.012	1.6707	-2.4163	0.5011	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:53
—	2/2	—	—	—	0.014	3.2100	-142.6210	-1.4558	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:55
62	2	Sample	1002241-10		0.018	3.4141	93.0979	2.0902	0.0147	84.09	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:00
—	1/2	—	—	—	0.007	2.7937	27.5095	1.5209	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:58
—	2/2	—	—	—	0.028	4.0345	158.6863	2.6595	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:00
63	2	Sample	1002241-11		0.019	3.5144	2.7222	0.5777	0.0495	258.12	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:06
—	1/2	—	—	—	-0.016	1.4270	-133.6824	0.3226	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:03
—	2/2	—	—	—	0.054	5.6018	139.1269	0.8329	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:06
64	2	Sample	1002241-12		-0.003	2.2105	12.6705	0.9252	0.0150	-557.64	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:11
—	1/2	—	—	—	0.008	2.8426	22.8610	0.7329	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:08
—	2/2	—	—	—	-0.013	1.5783	2.4800	1.1176	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:11
65	2	Sample	1002241-13		0.000	2.3933	23.3034	0.9783	0.0175	4622.38	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:16
—	1/2	—	—	—	-0.012	1.6567	80.6328	4.3196	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:13
—	2/2	—	—	—	0.013	3.1299	-34.0259	-2.3630	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:16
66	2	Sample	1002241-14		0.014	3.1804	-33.7152	0.0906	0.0394	290.01	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:21
—	1/2	—	—	—	0.041	4.8408	-74.7873	-1.7119	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:18
—	2/2	—	—	—	-0.014	1.5201	7.3569	1.8931	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:21

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f24wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
67	2	Sample	1002265-01		0.007	2.7618	66.9859	2.0946	0.0288	438.95	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:26
—	1/2	—	—	—	0.027	3.9756	212.8950	3.1275	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:24
—	2/2	—	—	—	-0.014	1.5481	-78.9232	1.0617	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:26
68	2	Sample	1002265-02		0.067	6.3551	74.8634	-1.8008	0.0195	29.17	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:31
—	1/2	—	—	—	0.053	5.5333	101.5021	0.1164	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:29
—	2/2	—	—	—	0.081	7.1768	48.2247	-3.7179	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:31
69	2	Sample	1002265-03		0.026	3.9304	56.1281	0.6727	0.0248	94.89	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:37
—	1/2	—	—	—	0.044	4.9770	40.8488	0.2844	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:34
—	2/2	—	—	—	0.009	2.8839	71.4073	1.0609	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:37
70	2	Sample	1002265-04		0.015	3.2701	10.7847	0.8959	0.0302	200.49	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:42
—	1/2	—	—	—	0.036	4.5450	16.5322	1.4191	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:39
—	2/2	—	—	—	-0.006	1.9952	5.0372	0.3727	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:42
5	2	Sample	ccv		1.939	117.9704	1870.1300	0.6804	0.0246	1.27	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:47
—	1/2	—	—	—	1.956	119.0066	1878.0604	-0.8125	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:44
—	2/2	—	—	—	1.922	116.9341	1862.1996	2.1733	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:47
1	2	Sample	ccb		0.000	2.3871	-29.5055	0.8058	0.0298	10882.23	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:52
—	1/2	—	—	—	0.021	3.6441	61.4265	0.4744	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:49
—	2/2	—	—	—	-0.021	1.1301	-120.4375	1.1372	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:52
71	2	Sample	1001589-ms1		2.131	129.4089	1889.3834	-1.4804	0.0273	1.28	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:57
—	1/2	—	—	—	2.112	128.2571	1937.8174	-0.7552	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:54
—	2/2	—	—	—	2.150	130.5607	1840.9493	-2.2056	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:57
72	2	Sample	1001589-msd1		2.062	125.3189	1927.8970	-0.7056	0.0280	1.36	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:02
—	1/2	—	—	—	2.082	126.4997	1975.5284	-0.5983	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:59
—	2/2	—	—	—	2.042	124.1381	1880.2655	-0.8129	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:02
73	2	Sample	1002265-05		0.061	6.0137	150.8841	0.1872	0.1036	169.56	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:07
—	1/2	—	—	—	-0.012	1.6459	-47.2200	-0.2859	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:05
—	2/2	—	—	—	0.134	10.3815	348.9882	0.6603	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:07
74	2	Sample	1002265-06		-0.003	2.1699	-184.9605	-1.2331	0.0005	-14.36	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:12
—	1/2	—	—	—	-0.003	2.1903	-291.6844	-1.0162	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:10
—	2/2	—	—	—	-0.004	2.1495	-78.2366	-1.4500	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:12
75	2	Sample	1001587-bs1		2.574	155.8115	2295.2600	-2.9180	0.0995	3.86	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:18
—	1/2	—	—	—	2.644	160.0043	2345.6409	-5.4634	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:15
—	2/2	—	—	—	2.503	151.6187	2244.8792	-0.3727	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:18

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f24wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
5	2	Sample	ccv		1.903	115.8084	1851.6333	0.0059	0.0439	2.31	1.00	---		D	TriMatrix Mercury	24 Feb 2010 15:28
—	1/2	—	—	—	1.934	117.6582	1760.9413	-2.0286	---	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:28
—	2/2	—	—	—	1.872	113.9585	1942.3253	2.0404	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:28
1	2	Sample	ccb		0.033	4.3299	109.4777	1.1568	0.0268	81.49	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:28
—	1/2	—	—	—	0.052	5.4588	248.0560	3.2874	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:26
—	2/2	—	—	—	0.014	3.2009	-29.1006	-0.9738	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:28

TRIMATRIX LABORATORIES

SECTION - D

INORGANIC – WET CHEMISTRY

This report shall not be reproduced except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.

5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ Phone: 616.975.4500 ♦ Fax: 616.942.7463 ♦ www.trimatrixlabs.com

TriMatrix Laboratories, Inc.

SulTRAC

Project: Plainwell Mill

SDG: PM011810B

USEPA-9014

SAMPLE ID SUMMARY

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810B

Client: SulTRAC Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-SO-56394-CB-011810-057	1001372-01
S-SO-56394-DR-012010-1031	1001372-02
S-SO-56394-DR-012010-1035	1001372-03
S-SO-56394-DR-012110-1049	1001372-04
SD-SO-56394-DR-012110-1049	1001372-05
S-SO-56394-DR-012110-1050	1001372-06
S-SO-56394-CB-012010-105	1001372-07
S-SO-56394-CB-012110-107	1001372-08
S-SO-56394-CB-012110-116	1001372-09
S-SO-56394-CB-012110-118	1001372-10

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-011810-057

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/18/10 11:25
Solids: 0.00
Laboratory ID: 1001372-01

SDG: PM011810B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/28/10 07:30
Initial/Final: 50 g / 50 mL
QC Batch: 1000795

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.0050	mg/L	1	0.0050	0.0022	U	02/01/10 09:15

: 00805

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-DR-012010-1031

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 08:45
Solids: 0.00
Laboratory ID: 1001372-02

SDG: PM011810B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/28/10 07:30
Initial/Final: 50 g / 50 mL
QC Batch: 1000795

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.0050	mg/L	1	0.0050	0.0022	U	02/01/10 09:22

00807

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-DR-012010-1035

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 12:10
Solids: 0.00
Laboratory ID: 1001372-03

SDG: PM011810B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/28/10 07:30
Initial/Final: 50 g / 50 mL
QC Batch: 1000795

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.0050	mg/L	1	0.0050	0.0022	U	02/01/10 09:22

00808

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-DR-012110-1049

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 11:20
Solids: 0.00
Laboratory ID: 1001372-04

SDG: PM011810B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/28/10 07:30
Initial/Final: 50 g / 50 mL
QC Batch: 1000795

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.0050	mg/L	1	0.0050	0.0022	U	02/01/10 09:22

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

SD-SO-56394-DR-012110-1049

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 11:25
Solids: 0.00
Laboratory ID: 1001372-05

SDG: PM011810B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/28/10 07:30
Initial/Final: 50 g / 50 mL
QC Batch: 1000795

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.0050	mg/L	1	0.0050	0.0022	U	02/01/10 09:22

00815

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-DR-012110-1050

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 13:40
Solids: 0.00
Laboratory ID: 1001372-06

SDG: PM011810B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/28/10 07:30
Initial/Final: 50 g / 50 mL
QC Batch: 1000795

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.0050	mg/L	1	0.0050	0.0022	U	02/01/10 09:22

: 00811

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-012010-105

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/20/10 16:30
Solids: 0.00
Laboratory ID: 1001372-07

SDG: PM011810B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/28/10 07:30
Initial/Final: 50 g / 50 mL
QC Batch: 1000795

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.0050	mg/L	1	0.0050	0.0022	U	02/01/10 09:22

00812

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-012110-107

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 09:00
Solids: 0.00
Laboratory ID: 1001372-08

SDG: PM011810B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/28/10 07:30
Initial/Final: 50 g / 50 mL
QC Batch: 1000795

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.013	mg/L	1	0.0050	0.0022		02/01/10 09:22

00813

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-012110-116

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 13:10
Solids: 0.00
Laboratory ID: 1001372-09

SDG: PM011810B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/28/10 07:30
Initial/Final: 50 g / 50 mL
QC Batch: 1000795

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.0050	mg/L	1	0.0050	0.0022	U	02/01/10 09:30

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-012110-118

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/21/10 14:10
Solids: 0.00
Laboratory ID: 1001372-10

SDG: PM011810B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/28/10 07:30
Initial/Final: 50 g / 50 mL
QC Batch: 1000795

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.0050	mg/L	1	0.0050	0.0022	U	02/01/10 09:30

: 00815

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B01029

SDG: PM011810B
Project: Plainwell Mill
Instrument: 298
Calibration: 0B01007

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B01029-CAL1	020110cnm-001	02/01/10 07:47
Cal Standard	0B01029-CAL2	020110cnm-002	02/01/10 07:47
Cal Standard	0B01029-CAL3	020110cnm-003	02/01/10 07:47
Cal Standard	0B01029-CAL4	020110cnm-004	02/01/10 07:47
Cal Standard	0B01029-CAL5	020110cnm-005	02/01/10 07:47
Cal Standard	0B01029-CAL6	020110cnm-006	02/01/10 07:47
Cal Standard	0B01029-CAL7	020110cnm-007	02/01/10 07:47
Calibration Check	0B01029-CCV1	020110cnm-008	02/01/10 09:00
Calibration Blank	0B01029-CCB1	020110cnm-009	02/01/10 09:00
High Cal Check	0B01029-HCV1	020110cnm-011	02/01/10 09:00
Low Cal Check	0B01029-LCV1	020110cnm-012	02/01/10 09:00
MRL Check	0B01029-CRL1	020110cnm-013	02/01/10 09:00
Calibration Check	0B01029-CCV2	020110cnm-018	02/01/10 09:07
Calibration Blank	0B01029-CCB2	020110cnm-019	02/01/10 09:07
Blank	1000795-BLK1	020110cnm-029	02/01/10 09:15
LCS	1000795-BS1	020110cnm-032	02/01/10 09:15
LCS	1000795-BS2	020110cnm-033	02/01/10 09:15
S-SO-56394-CB-011810-057	1001372-01	020110cnm-037	02/01/10 09:15
S-SO-56394-CB-011810-057	1000795-MS1	020110cnm-038	02/01/10 09:22
S-SO-56394-CB-011810-057	1000795-MSD1	020110cnm-039	02/01/10 09:22
S-SO-56394-DR-012010-1031	1001372-02	020110cnm-040	02/01/10 09:22
Calibration Check	0B01029-CCV3	020110cnm-041	02/01/10 09:22
Calibration Blank	0B01029-CCB3	020110cnm-042	02/01/10 09:22
S-SO-56394-DR-012010-1035	1001372-03	020110cnm-043	02/01/10 09:22
S-SO-56394-DR-012110-1049	1001372-04	020110cnm-044	02/01/10 09:22
SD-SO-56394-DR-012110-1049	1001372-05	020110cnm-045	02/01/10 09:22
S-SO-56394-DR-012110-1050	1001372-06	020110cnm-046	02/01/10 09:22
S-SO-56394-CB-012010-105	1001372-07	020110cnm-047	02/01/10 09:22
S-SO-56394-CB-012110-107	1001372-08	020110cnm-048	02/01/10 09:22
S-SO-56394-CB-012110-116	1001372-09	020110cnm-049	02/01/10 09:30
S-SO-56394-CB-012110-118	1001372-10	020110cnm-050	02/01/10 09:30
Calibration Check	0B01029-CCV4	020110cnm-052	02/01/10 09:30

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B01029

SDG: PM011810B
Project: Plainwell Mill
Instrument: 298
Calibration: 0B01007

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	0B01029-CCB4	020110cnm-053	02/01/10 09:30

00817

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B01029
Instrument ID:298
Control Limt: +/- 15.00%
Calibration: 0B01007

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B01029-CCV1	Cyanide	0.100	0.103	103	mg/L	02/01/10 09:00
0B01029-CCV2	Cyanide	0.100	0.101	101	mg/L	02/01/10 09:07
0B01029-CCV3	Cyanide	0.100	0.102	102	mg/L	02/01/10 09:22
0B01029-CCV4	Cyanide	0.100	0.103	103	mg/L	02/01/10 09:30

* Values outside of QC limits

: 00818

LOW-CONCENTRATION CALIBRATION VERIFICATION

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B01029
Instrument: 298
Laboratory ID: 0B01029-LCV1
Calibration: 0B01007

Analyte	Expected	Found	% Drift	QC Limit	Units
Cyanide	0.0500	0.0504	0.7		mg/L

* Values outside of QC limits

00819

HIGH-CONCENTRATION CALIBRATION VERIFICATION

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B01029
Instrument: 298
Laboratory ID: 0B01029-HCV1
Calibration: 0B01007

Analyte	Expected	Found	% Drift	QC Limit	Units
Cyanide	0.100	0.0992	-0.8		mg/L

* Values outside of QC limits

: 00820

CRDL STANDARD

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B01029

SDG: PM011810B

Project: Plainwell Mill

Instrument ID: 298

Calibration: 0B01007

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B01029-CRL1	Cyanide	0.00500	0.00508	102	mg/L	0 - 200

* Values outside of QC limits

: 00821

BLANKS
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B01029

SDG: PM011810B
Project: Plainwell Mill
Instrument ID: 298
Calibration: 0B01007

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B01029-CCB1	Cyanide	0.000060	0.0050	0.0022	mg/L	U	02/01/10 09:00
0B01029-CCB2	Cyanide	-0.00027	0.0050	0.0022	mg/L	U	02/01/10 09:07
0B01029-CCB3	Cyanide	0.00027	0.0050	0.0022	mg/L	U	02/01/10 09:22
0B01029-CCB4	Cyanide	0.00025	0.0050	0.0022	mg/L	U	02/01/10 09:30

* Values outside of QC limits

: 00822

QC BATCH SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011810B

Client: SulTRAC Project: Plainwell Mill

QC Batch: 1000795 QC Batch Matrix: Soil Preparation: 9010B Cyanide Distillation

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000795-BLK1	01/28/10 07:30	
LCS	1000795-BS1	01/28/10 07:30	
LCS	1000795-BS2	01/28/10 07:30	
S-SO-56394-CB-011810-057	1000795-MS1	01/28/10 07:30	
S-SO-56394-CB-011810-057	1000795-MSD1	01/28/10 07:30	
S-SO-56394-CB-011810-057	1001372-01	01/28/10 07:30	only run if total CN is >=0.09Jmg/kg
S-SO-56394-DR-012010-1031	1001372-02	01/28/10 07:30	only run if total CN is >=0.09Jmg/kg
S-SO-56394-DR-012010-1035	1001372-03	01/28/10 07:30	only run if total CN is >=0.09Jmg/kg
S-SO-56394-DR-012110-1049	1001372-04	01/28/10 07:30	only run if total CN is >=0.09Jmg/kg
SD-SO-56394-DR-012110-1049	1001372-05	01/28/10 07:30	only run if total CN is >=0.09Jmg/kg
S-SO-56394-DR-012110-1050	1001372-06	01/28/10 07:30	only run if total CN is >=0.09Jmg/kg
S-SO-56394-CB-012010-105	1001372-07	01/28/10 07:30	only run if total CN is >=0.09Jmg/kg
S-SO-56394-CB-012110-107	1001372-08	01/28/10 07:30	only run if total CN is >=0.09Jmg/kg
S-SO-56394-CB-012110-116	1001372-09	01/28/10 07:30	only run if total CN is >=0.09Jmg/kg
S-SO-56394-CB-012110-118	1001372-10	01/28/10 07:30	only run if total CN is >=0.09Jmg/kg

00823

METHOD BLANK DATA SHEET
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011810B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000795-BLK1
File ID: 020110cnm-029
Prepared: 01/28/10 07:30
Preparation: 9010B Cyanide Distillatic
Initial/Final: 50 g / 50 mL
Analyzed: 02/01/10 09:15
Instrument: 298
QC Batch: 1000795
Sequence: 0B01029
Calibration: 0B01007

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
57-12-5	Cyanide, SPLP	0.0022	0.0050	0.0050	mg/L	U

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011810-057

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810B

Project: Plainwell Mill

Preparation: 9010B Cyanide Distillation

Initial/Final: 50 g / 50 mL

Laboratory ID: 1000795-MS1

QC Batch: 1000795

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Cyanide, SPLP	0.100	ND	0.0897	90	75 - 123	mg/L

 # Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

: 00825

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011810-057

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011810B

Project: Plainwell Mill

Preparation: 9010B Cyanide Distillation

Initial/Final: 50 g / 50 mL

Laboratory ID: 1000795-MSD1

QC Batch: 1000795

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Cyanide, SPLP	0.100	0.0921	92	3	20	75 - 123	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

: 00825

LCS / LCS DUPLICATE RECOVERY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil

Laboratory ID: 1000795-BS1

SDG: PM011810B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Initial/Final: 50 g / 50 mL
QC Batch: 1000795
Sequence: 0B01029

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Cyanide, SPLP	0.100	0.0956	96	90 - 110	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

: 00827

LCS / LCS DUPLICATE RECOVERY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil

Laboratory ID: 1000795-BS2

SDG: PM011810B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Initial/Final: 50 g / 50 mL
QC Batch: 1000795
Sequence: 0B01029

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Cyanide, SPLP	0.0400	0.0372	93	90 - 110	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

00828

HOLDING TIME SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011810B

Client: SulTRAC

Project: Plainwell Mill

Analyte: Cyanide

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-011810-057	01/18/10	01/21/10	01/26/10	01/28/10	2	NA	02/01/10	6	14	
S-SO-56394-DR-012010-1031	01/20/10	01/21/10	01/26/10	01/28/10	2	NA	02/01/10	6	14	
S-SO-56394-DR-012010-1035	01/20/10	01/21/10	01/26/10	01/28/10	2	NA	02/01/10	6	14	
S-SO-56394-DR-012110-1049	01/21/10	01/21/10	01/27/10	01/28/10	1	NA	02/01/10	5	14	
SD-SO-56394-DR-012110-1049	01/21/10	01/21/10	01/26/10	01/28/10	2	NA	02/01/10	6	14	
S-SO-56394-DR-012110-1050	01/21/10	01/21/10	01/26/10	01/28/10	2	NA	02/01/10	6	14	
S-SO-56394-CB-012010-105	01/20/10	01/21/10	01/26/10	01/28/10	2	NA	02/01/10	6	14	
S-SO-56394-CB-012110-107	01/21/10	01/21/10	01/26/10	01/28/10	2	NA	02/01/10	6	14	
S-SO-56394-CB-012110-116	01/21/10	01/21/10	01/26/10	01/28/10	2	NA	02/01/10	6	14	
S-SO-56394-CB-012110-118	01/21/10	01/21/10	01/26/10	01/28/10	2	NA	02/01/10	6	14	

00829

Inorganic - Wet Chemistry, Soil, Feb-01-10

Instrument = 298, Calibration = 0B01007

Sequence Analyses:
Cyanide SPLP 9014

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
0B01029-CAL1	QC		0020023		CAL STANDARD	
0B01029-CAL2	QC		0020022		CAL STANDARD	
0B01029-CAL3	QC		0020021		CAL STANDARD	
0B01029-CAL4	QC		0020020		CAL STANDARD	
0B01029-CAL5	QC		0020019		CAL STANDARD	
0B01029-CAL6	QC		0020018		CAL STANDARD	
0B01029-CAL7	QC		0020017		CAL STANDARD	
0B01029-CCV1	QC		0020018		CALIBRATION CHECK	
0B01029-CCB1	QC		0020023		CALIBRATION BLANK	
0B01029-HCV1	QC		0020013		HIGH CAL CHECK	
0B01029-LCV1	QC		0020014		LOW CAL CHECK	
0B01029-CRL1	QC		0020022		MRL CHECK	
0B01029-CCV2	QC		0020018		CALIBRATION CHECK	
0B01029-CCB2	QC		0020023		CALIBRATION BLANK	
1000795-BLK1	QC				BLANK	
1000795-BS1	QC				LCS	
1000795-BS2	QC				LCS	
1001372-01	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
1000795-MS1	QC				MATRIX SPIKE	
1000795-MSD1	QC				MATRIX SPIKE DUP	
1001372-02	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
0B01029-CCV3	QC		0020018		CALIBRATION CHECK	
0B01029-CCB3	QC		0020023		CALIBRATION BLANK	
1001372-03	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
1001372-04	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
1001372-05	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
1001372-06	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
1001372-07	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
1001372-08	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
1001372-09	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
1001372-10	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
0B01029-CCV4	QC		0020018		CALIBRATION CHECK	
0B01029-CCB4	QC		0020023		CALIBRATION BLANK	

Comments:

Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1000795

due 02/04/10

Printed: 1/29/2010 6:30:41AM

Inorganic - Wet Chemistry, Soil, 9010B Cyanide Distillation

(No Surrogate)

Batch Comments: (none)

2-12-10

4MD

√by CIB 2-1-10

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1001372	Cyanide SPLP 9014				

Lab Number	Contain	Prepared	By	Initial (g)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1000795-BLK1		Jan-28-10 07:30	LMA	50	50					BLANK	
1000795-BS1		Jan-28-10 07:30	LMA	50	50			0010706	50	LCS	
1000795-BS2		Jan-28-10 07:30	LMA	50	50			0010706	20	LCS	
1000795-MS1		Jan-28-10 07:30	LMA	50	50		1001372-01	0010706	50	MATRIX SPIKE	
1000795-MSD1		Jan-28-10 07:30	LMA	50	50		1001372-01	0010706	50	MATRIX SPIKE DUP	
1001372-01	A 01	Jan-28-10 07:30	LMA	50	50					SulTRAC hold 2/1	only run if total CN is >=0.09Jmg/kg
1001372-02	A 01	Jan-28-10 07:30	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1001372-03	A 01	Jan-28-10 07:30	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1001372-04	A 01	Jan-28-10 07:30	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1001372-05	A 01	Jan-28-10 07:30	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1001372-06	A 01	Jan-28-10 07:30	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1001372-07	A 01	Jan-28-10 07:30	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1001372-08	A 01	Jan-28-10 07:30	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1001372-09	A 01	Jan-28-10 07:30	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1001372-10	A 01	Jan-28-10 07:30	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg

Comments: pH>12 w/NaOH checked for interferences Reagents INR 10.55-14, INR 9.66-16, INR 10.45-9, INR 10.44-8 7.30-9:00am

Analyst Initials:

bch_TriMatrix.rpt

Calibration results AquaKem 6.5 Page: 1

Laboratory inst#298
Konelab User

01.02.2010 07:52

Test CN

7:30-11:00am

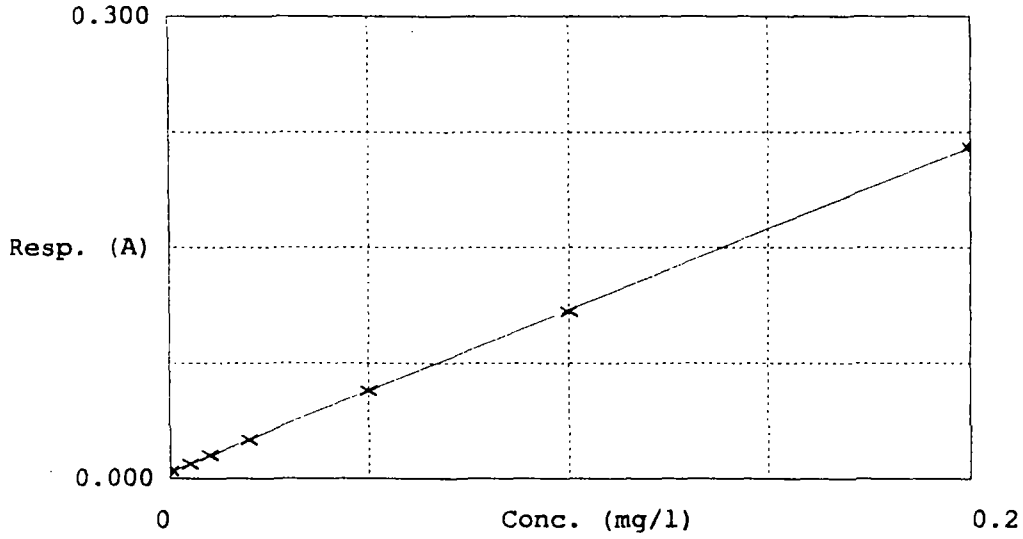
Reagents
INR10.55-14
INR9.88-2
INR10.46-9
INR10.3-2

Accepted 01.02.2010 07:52

Factor 0.950
Bias 0.004

Coeff. of det. 0.999948

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors	Element
1	CN- 0	0.005	0.00056	0.00000		0020023
2	CN- 0.005	0.009	0.00489	0.00500		0020022
3	CN- 0.01	0.015	0.01036	0.01000		0020021
4	CN- 0.02	0.025	0.01976	0.02000		0020020
5	CN- 0.05	0.057	0.04984	0.05000		0020019
6	CN- 0.1	0.109	0.09907	0.10000		0020018
7	CN- 0.2	0.215	0.20051	0.20000		0020017

HCV 0020013
LCV 0020014

Laboratory inst#298
Konelab User

Date : 2010-02-01
Time : 10.49

Test		CN			
Unit		mg/l			
Sample ID:	Result	Resp.	Date and Time	Dilut	Man.dilut
CN CCV	0.1027	0.112	2010-02-01 09.00		
CN CCB	0.0001	0.004	2010-02-01 09.00		
blk	0.0004	0.005	2010-02-01 09.00		
hcv	0.0992	0.109	2010-02-01 09.00		
lcv	0.0504	0.057	2010-02-01 09.00		
crl	0.0051	0.010	2010-02-01 09.00		
blk 1/27	-0.0002	0.004	2010-02-01 09.00		
1001350-01	0.0183	0.024	2010-02-01 09.00		
1001350-02	0.0314	0.037	2010-02-01 09.00		
1001350-03	0.0041	0.009	2010-02-01 09.07		
CN CCV	0.1007	0.110	2010-02-01 09.07		
CN CCB	-0.0003	0.004	2010-02-01 09.07		
1001350-04	0.0071	0.012	2010-02-01 09.07		
1001350-05	0.0018	0.006	2010-02-01 09.07		
1001350-06	0.0001	0.004	2010-02-01 09.07		
1001350-07	0.0008	0.005	2010-02-01 09.07		
1001350-08	0.0001	0.004	2010-02-01 09.08		
1001350-09	0.0001	0.004	2010-02-01 09.08		
1001350-10	0.0118	0.017	2010-02-01 09.08		
1001350-11	0.0082	0.013	2010-02-01 09.08		
1001350-12	0.0001	0.004	2010-02-01 09.15		
blk 1/28	-0.0001	0.004	2010-02-01 09.15		
CN CCV	0.1013	0.111	2010-02-01 09.15		
CN CCB	0.0003	0.005	2010-02-01 09.15		
bs1 1/28	0.0956	0.105	2010-02-01 09.15		
bs2 1/28	0.0372	0.043	2010-02-01 09.15		
blk splp	-0.0002	0.004	2010-02-01 09.15		
1001343-01	-0.0002	0.004	2010-02-01 09.15		
1001343-01msd	0.0975	0.107	2010-02-01 09.15		
1001372-01	0.0006	0.005	2010-02-01 09.15		
1001372-01ms	0.0897	0.099	2010-02-01 09.22		
1001372-01msd	0.0921	0.101	2010-02-01 09.22		
1001372-02	0.0004	0.005	2010-02-01 09.22		
CN CCV	0.1025	0.112	2010-02-01 09.22		
CN CCB	0.0003	0.005	2010-02-01 09.22		
1001372-03	-0.0001	0.004	2010-02-01 09.22		
1001372-04	0.0000	0.004	2010-02-01 09.22		
1001372-05	0.0001	0.004	2010-02-01 09.22		
1001372-06	-0.0001	0.004	2010-02-01 09.22		
1001372-07	0.0001	0.004	2010-02-01 09.22		
1001372-08	0.0127	0.018	2010-02-01 09.22		
1001372-09	0.0016	0.006	2010-02-01 09.30		
1001372-10	0.0018	0.006	2010-02-01 09.30		
mblk 1/28	0.0002	0.005	2010-02-01 09.30		
CN CCV	0.1032	0.113	2010-02-01 09.30		
CN CCB	0.0002	0.005	2010-02-01 09.30		
1001350-16	0.0011	0.006	2010-02-01 09.30		
1001350-13	0.0104	0.015	2010-02-01 09.30		
1001350-14	0.0120	0.017	2010-02-01 09.37		
blk 1/29	0.0003	0.005	2010-02-01 09.37		
CN CCV	0.1036	0.113	2010-02-01 09.37		

Laboratory inst#298
Konelab User

Date : 2010-02-01
Time : 10.49

Test CN
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Man.dilut
CN CCB	0.0004	0.005	2010-02-01 09.37		
1001382-06	0.0018	0.006	2010-02-01 09.37		
1001382-01	0.0129	0.018	2010-02-01 09.45		
1001382-02	0.0102	0.015	2010-02-01 09.45		
1001382-03	0.1031	0.113	2010-02-01 09.45		
1001382-04	0.0169	0.022	2010-02-01 09.45		
1001343-01ms	0.0900	0.099	2010-02-01 09.45		
CN CCV	0.1047	0.115	2010-02-01 09.45		
CN CCB	0.0005	0.005	2010-02-01 09.45		
1001382-05	0.0591	0.067	2010-02-01 09.45		
1001382-07	0.1736	0.187	2010-02-01 09.45		
mdl 1	0.0046	0.009	2010-02-01 09.52		
mdl 2	0.0046	0.009	2010-02-01 09.52		
mdl 3	0.0049	0.010	2010-02-01 09.52		
mdl 4	0.0049	0.010	2010-02-01 09.52		
mdl 5	0.0055	0.010	2010-02-01 09.52		
mdl 6	0.0053	0.010	2010-02-01 09.52		
mdl 7	0.0052	0.010	2010-02-01 09.52		
CN CCV	0.1035	0.113	2010-02-01 09.52		
CN CCB	0.0005	0.005	2010-02-01 09.52		
mdl verification	0.0054	0.010	2010-02-01 09.52		
1001382-09	0.0017	0.006	2010-02-01 09.52		
mbs1 1/28	0.0931	0.102	2010-02-01 09.56		
~~mbs2 1/28~~	~~0.0441~~	~~0.051~~	~~2010-02-01 09.56~~		
~~1001350-16ms~~	~~0.0640~~	~~0.072~~	~~2010-02-01 09.56~~		
~~1001350-16msd~~	~~0.0673~~	~~0.075~~	~~2010-02-01 09.56~~		
CN CCV	0.1096	0.120	2010-02-01 09.59		
CN CCB	0.0002	0.005	2010-02-01 09.59		
1001382-08	0.0003	0.005	2010-02-01 10.06		
CN CCV	0.1073	0.117	2010-02-01 10.14		
CN CCB	0.0002	0.005	2010-02-01 10.14		
1001350-15	0.0034	0.008	2010-02-01 10.20		
1/27mbs1	0.1002	0.110	2010-02-01 10.37		
1/27mbs2	0.0513	0.058	2010-02-01 10.38		
1/29mbs1	0.1010	0.111	2010-02-01 10.38		
1/29mbs2	0.0520	0.059	2010-02-01 10.38		
ms1001350-16	0.1042	0.114	2010-02-01 10.38		
msd1001350-16	0.1047	0.115	2010-02-01 10.38		
ms1001382-06	0.1043	0.114	2010-02-01 10.38		
msd1001382-06	0.1041	0.114	2010-02-01 10.38		
blk 2/1	0.0001	0.004	2010-02-01 10.44		
bs1 2/1	0.0982	0.108	2010-02-01 10.44		
CN CCV	0.1079	0.118	2010-02-01 10.45		
CN CCB	0.0003	0.005	2010-02-01 10.45		
bs2 2/1	0.0407	0.047	2010-02-01 10.45		
1001400-01	0.0115	0.016	2010-02-01 10.45		
1001403-01	-0.0001	0.004	2010-02-01 10.45		
1001403-02	-0.0009	0.003	2010-02-01 10.45		
1001403-02ms	0.0972	0.107	2010-02-01 10.45		
1001403-02msd	0.0948	0.104	2010-02-01 10.45		
CN CCV	0.1087	0.119	2010-02-01 10.48		

02/01/10 OK

02/01/10

02/01/10

02/01/10

Laboratory inst#298
Konelab User

Date : 2010-02-01
Time : 10.49

Test CN
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Man.dilut
CN CCB	0.0006	0.005	2010-02-01 10.48		