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

EPA Region 5 Records Ctr.
350182

TRANSMITTAL FORM

Date: February 17, 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: PM012510

Work Order (s): 1001350, 1001382

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

TRIMATRIX LABORATORIES

DATA VALIDATION PACKAGE

Prepared for:

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

Project:

Plainwell Mill

Sample Delivery Group (SDG):

PM012510

Date:

February 17, 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.

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

TRIMATRIX LABORATORIES

TABLE OF CONTENTS

SulTRAC
Plainwell Mill

Section	Description	Pages
	Cover Page	**0001**
	Table of Contents	**0002**
	SDG Case Narrative	**0003-0008**
A	**Field COC Records and Receiving Documentation**	**0009-0015**
B	**Internal COC Records**	**0016-0049**
C	**Inorganic - Metals**	**0050-0894**
	• USEPA-6010B	0051-0315
	• USEPA-6020A	0316-0839
	• USEPA-7471A	0840-0894
D	**Inorganic - Wet Chemistry**	**0895-1005**
	• USEPA-3550B	0896-0942
	• USEPA-9014	0943-1005

SDG: PM012510

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

SDG CASE NARRATIVE

SulTRAC
Plainwell Mill

SDG Executive Summary

This case narrative applies to samples received on January 26, 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

2.17.2010
Date

SDG: PM012510

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: 1001350

TriMatrix Laboratories received the cooler(s) for this work order on January 26, 2010, at 17:43pm. 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	1001350-01	Soil	1/25/2010
S-SO-56394-CB-012510-133	1001350-02	Soil	1/25/2010
S-SO-56394-CB-012510-137	1001350-03	Soil	1/25/2010
S-SO-56394-CB-012510-144	1001350-04	Soil	1/25/2010
S-SO-56394-DR-012510-1069	1001350-05	Soil	1/25/2010
S-SO-56394-DR-012510-1059	1001350-06	Soil	1/25/2010
S-SO-56394-CB-012510-143	1001350-07	Soil	1/25/2010
S-SO-56394-DR-012510-1063	1001350-08	Soil	1/25/2010
S-SO-56394-CB-012610-153	1001350-09	Soil	1/26/2010
S-SO-56394-CB-012610-158	1001350-10	Soil	1/26/2010
S-SO-56394-CB-012610-160	1001350-11	Soil	1/26/2010
S-SO-56394-CB-012610-165	1001350-12	Soil	1/26/2010
S-SO-56394-DR-012610-1078	1001350-13	Soil	1/26/2010
SD-SO-56394-DR-012610-1078	1001350-14	Soil	1/26/2010
S-SO-56394-DR-012610-1075	1001350-15	Soil	1/26/2010
S-SO-56394-CB-012610-166	1001350-16	Soil	1/26/2010

No 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: 1001382

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 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-012710-168	1001382-01	Soil	1/27/2010
SD-SO-56394-CB-012710-168	1001382-02	Soil	1/27/2010
S-SO-56394-CB-012710-177	1001382-03	Soil	1/27/2010
S-SO-56394-CB-012710-180	1001382-04	Soil	1/27/2010
S-SO-56394-CB-012710-182	1001382-05	Soil	1/27/2010
S-SO-56394-CB-012710-183	1001382-06	Soil	1/27/2010
S-SO-56394-CB-012810-189	1001382-07	Soil	1/28/2010
SD-SO-56394-CB-012810-189	1001382-08	Soil	1/28/2010
S-SO-56394-CB-012810-190	1001382-09	Soil	1/28/2010

No 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.

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

Total Metals by EPA 6000/7000 Series Methods

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:		
	1001350-01 S-SO-56394-CB-012510-129	Iron
	1001350-02 S-SO-56394-CB-012510-133	Iron
	1001350-03 S-SO-56394-CB-012510-137	Iron
	1001350-04 S-SO-56394-CB-012510-144	Iron
	1001350-05 S-SO-56394-DR-012510-1069	Iron
	1001350-06 S-SO-56394-DR-012510-1059	Iron
	1001350-07 S-SO-56394-CB-012510-143	Iron
	1001350-08 S-SO-56394-DR-012510-1063	Iron
	1001350-09 S-SO-56394-CB-012610-153	Iron
	1001350-10 S-SO-56394-CB-012610-158	Iron
	1001350-11 S-SO-56394-CB-012610-160	Iron
	1001350-12 S-SO-56394-CB-012610-165	Iron
	1001350-13 S-SO-56394-DR-012610-1078	Iron
	1001350-14 SD-SO-56394-DR-012610-1078	Iron
	1001350-15 S-SO-56394-DR-012610-1075	Iron
	1001350-16 S-SO-56394-CB-012610-166	Iron
	1001382-01 S-SO-56394-CB-012710-168	Iron
	1001382-02 SD-SO-56394-CB-012710-168	Iron
	1001382-03 S-SO-56394-CB-012710-177	Iron
	1001382-04 S-SO-56394-CB-012710-180	Iron
	1001382-05 S-SO-56394-CB-012710-182	Iron
	1001382-06 S-SO-56394-CB-012710-183	Iron
	1001382-07 S-SO-56394-CB-012810-189	Iron
	1001382-08 SD-SO-56394-CB-012810-189	Iron
	1001382-09 S-SO-56394-CB-012810-190	Iron

Qualification: The % difference in results between the sample and a serial dilution of the sample exceeded the control limit. Sample matrix interference is suspected and the reported result is considered estimated.

Analysis: USEPA-6010B

Sample/Analyte:		
	1001350-16 S-SO-56394-CB-012610-166	Iron

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

Total Metals by EPA 6000/7000 Series Methods

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:	
1001350-16 S-SO-56394-CB-012610-166	Nickel
1001382-06 S-SO-56394-CB-012710-183	Nickel
1001382-06 S-SO-56394-CB-012710-183	Sodium

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

Analysis: USEPA-6010B

Sample/Analyte:	
1001382-06 S-SO-56394-CB-012710-183	Iron

Qualification: The MS and/or MSD recovery was outside the control limit. The non-spiked sample concentration for the same analyte was greater than or equal to 4 times the spiked amount; the non-spiked sample result is not qualified.

Analysis: USEPA-6010B

Sample/Analyte:	
1001350-16 S-SO-56394-CB-012610-166	Aluminum
1001350-16 S-SO-56394-CB-012610-166	Iron
1001350-16 S-SO-56394-CB-012610-166	Magnesium
1001350-16 S-SO-56394-CB-012610-166	Manganese
1001382-06 S-SO-56394-CB-012710-183	Aluminum
1001382-06 S-SO-56394-CB-012710-183	Barium
1001382-06 S-SO-56394-CB-012710-183	Iron
1001382-06 S-SO-56394-CB-012710-183	Magnesium
1001382-06 S-SO-56394-CB-012710-183	Manganese

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:	
1001350-16 S-SO-56394-CB-012610-166	Zinc
1001382-06 S-SO-56394-CB-012710-183	Copper

Qualification: Matrix QC results are not available due to sample dilution.

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

Total Metals by EPA 6000/7000 Series Methods

Analysis:	USEPA-6020A	
Sample/Analyte:	1001382-06 S-SO-56394-CB-012710-183	Lead
	1001382-06 S-SO-56394-CB-012710-183	Zinc
Analysis:	USEPA-7471A	
Sample/Analyte:	1001350-16 S-SO-56394-CB-012610-166	Mercury

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. 06284

For Lab Use Only

Cart: 2

VOA Rack/Tray: -

Receipt Log No.: 31-19

Project Chemist: Lisa Harvey

Work Order No.: 1001350

PM012510

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 WP	01	1	S-SO-56394-CB-012510-129	TM 1605	1-25-10	0955	Comp	S	X	X									1	
		02	2	S-SO-56394-CB-012510-133		1-25-10	1125	Comp	S	X	X									1	
		03	3	S-SO-56394-CB-012510-137		1-25-10	1255	Comp	S	X	X									1	
		04	4	S-SO-56394-CB-012510-144		1-25-10	1550	Comp	S	X	X									1	
		05	5	S-SO-56394-DR-012510-1069		1-25-10	1440	Comp	S	X	X									1	
		06	6	S-SO-56394-DR-012510-1059		1-25-10	0925	Comp	S	X	X									1	
		07	7	S-SO-56394-CB-012510-143		1-25-10	1305	Comp	S	X	X									1	
		08	8	S-SO-56394-DR-012510-1063		1-25-10	1125	Comp	S	X	X									1	
		09	9	S-SO-56394-CB-012610-153		1-26-10	1020	Comp	S	X	X									1	
		10	10	S-SO-56394-CB-012610-158		1-26-10	1250	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): Kristi Root

How Shipped? Hand Delivered

Sampler's Signature:

Tracking No.:

Company:

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

01000

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

For Lab Use Only

Cart: 2

VOA Rack/Tray: –

Receipt Log No.: 31-19

Project Chemist: Lisa Harvey

Work Order No.: 1001350

PM012510

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	SO ~~WP~~	11	1	S-SO-56394-CB-012610-160	TM 1605	1-26-10	1345	Comp	S	x	x									1	
		12	2	S-SO-56394-CB-012610-165		1-26-10	1520	Comp	S	x	x									1	
		13	3	S-SO-56394-DR-012610-1078		1-26-10	1135	Comp	S	x	x									1	
	FD	14	4	SD-SO-56394-DR-012610-1078		1-26-10	1135	Comp	S	x	x									1	
		15	5	S-SO-56394-DR-012610-1075		1-26-10	0925	Comp	S	x	x									1	
		16	6	S-SO-56394-CB-012610-166		1-26-10	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 + TK

How Shipped? Hand delivered

Sampler's Signature:

Tracking No.:

Company:

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. Nardin	1-26-10	17:45

11000

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

For Lab Use Only
Cart: 5
VOA Rack/Tray: —
Receipt Log No.: 358
Project Chemist: Lisa Harvey
Work Order No.: E-1001382

fM0125 ID

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 WP	-01	1	S-50-56394-CB-012710-168		1-27-10	0900	Comp	S	X	X									1	
	FD	-02	2	SD-50-56394-CB-012710-168		1-27-10	0900	Comp	S	X	X									1	
		-03	3	S-50-56394-CB-012710-177		1-27-10	1135	Comp	S	X	X									1	
		-04	4	S-50-56394-CB-012710-180		1-27-10	1350	Comp	S	X	X									1	
		-05	5	S-50-56394-CB-012710-182		1-27-10	1450	Comp	S	X	X									1	
B		-06	6	S-50-56394-CB-012710-183		1-27-10	1520	Comp	S	X	X									3	MS/MSD
A		-07	7	S-50-56394-CB-012810-189		1-28-10	0915	Comp	S	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																		

⇦ 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
	1-28-10	1405						
1. Received By	**Date**	**Time**	**2. Received By**	**Date**	**Time**	**3. Received For Lab By**	**Date**	**Time**
							1-28-10	1405

2006

TriMatrix Laboratories, Inc.

SAMPLE RECEIVING / LOG-IN CHECKLIST

Client: SulTRAC | Project-Submittal No.: New / Add To 1001350
Receipt Record Page/Line No.: 31-19 | Project Chemist: MA | Sample Nos.: 01-16

Coolers Received

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

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

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

Cooler No. / Time	Custody Seals	Coolant Location	Coolant/Temperature Taken Via	Alternate Temperature Taken Via
TNL05 / 17:53	☐ 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	☐ 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	☐ 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	☐ 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:		
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?		

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.: 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?
JN 1-26-10	JN 1-26-10	Yes / No

TriMatrix Laboratories, Inc.

SAMPLE RECEIVING / LOG-IN CHECKLIST

Client: Sultrac | Project-Submittal No.: E-100382
Receipt Record Page/Line No.: 358 | Project Chemist: LMH | Sample Nos.: 01-09

Coolers Received

Recorded by (initials/date): WC 1-28-10

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

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

Cooler No.	Time
Tm 1883	1416

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:		-	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?

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.

☑ TriMatrix 06297

☐ 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 Kristen

Site Plainwell Date 1-26-10

TriMatrix Laboratories, Inc.

(616) 975-4500

1001350

Official Sample Seal

CUSTODY SEAL

Signature Kristen

Site Plainwell Date 1-26-10

TriMatrix Laboratories, Inc.

(616) 975-4500

00015

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.

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-26-10 17:43**

Department: **Metals**

Analysis: 3050B Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001350-01 S-SO-56394-CB-012510-129	A	ma Scott	2-3-10 7:00Am	2-3-10 4:00pm	no	A02
1001350-02 S-SO-56394-CB-012510-133						
1001350-03 S-SO-56394-CB-012510-137						
1001350-04 S-SO-56394-CB-012510-144						
1001350-05 S-SO-56394-DR-012510-1069						
1001350-06 S-SO-56394-DR-012510-1059						
1001350-07 S-SO-56394-CB-012510-143						
1001350-08 S-SO-56394-DR-012510-1063						
1001350-09 S-SO-56394-CB-012610-153						
1001350-10 S-SO-56394-CB-012610-158						
1001350-11 S-SO-56394-CB-012610-160						
1001350-12 S-SO-56394-CB-012610-165						
1001350-13 S-SO-56394-DR-012610-1078						
1001350-14 SD-SO-56394-DR-012610-1078	A	ma Scott	2-3-10 7:00Am	2-3-10 4:00pm	no	A02

0001 7

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-26-10 17:43**

Department: **Metals** Analysis: 3050 B Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001350-15 S-SO-56394-DR-012610-1075	A	Ma Scott	2-3-10 7:00Am	2-3-10 4:00pm	no	A02
1001350-16 S-SO-56394-CB-012610-166	A	Ma Scott	2-3-10 7:00Am	2-3-10 4:00pm	no	A02

00018

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-26-10 17:43**

Department: **Metals**

Analysis: ICP 6010B

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001350-01 S-SO-56394-CB-012510-129	A02	Joanne Jay	2/3/10 4:00pm	2/5/10 3:15pm	NO	
1001350-02 S-SO-56394-CB-012510-133						
1001350-03 S-SO-56394-CB-012510-137						
1001350-04 S-SO-56394-CB-012510-144						
1001350-05 S-SO-56394-DR-012510-1069						
1001350-06 S-SO-56394-DR-012510-1059						
1001350-07 S-SO-56394-CB-012510-143						
1001350-08 S-SO-56394-DR-012510-1063						
1001350-09 S-SO-56394-CB-012610-153						
1001350-10 S-SO-56394-CB-012610-158						
1001350-11 S-SO-56394-CB-012610-160						
1001350-12 S-SO-56394-CB-012610-165						
1001350-13 S-SO-56394-DR-012610-1078						
1001350-14 SD-SO-56394-DR-012610-1078	A02	Joanne Jay	2/3/10 4:00pm	2/5/10 3:15pm	NO	

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-26-10 17:43**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001350-15 S-SO-56394-DR-012610-1075	A02		2/3/10 4:00pm	2/5/10 3:15pm	NO	
1001350-16 S-SO-56394-CB-012610-166	A02		2/3/10 4:00pm	2/5/10 3:15pm	NO	

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-26-10 17:43**

Department: **Metals** Analysis: 3050B Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001350-01 S-SO-56394-CB-012510-129	A	ma Scott	2-1-10 7:00Am	2-1-10 4:00pm	no	A03
1001350-02 S-SO-56394-CB-012510-133						
1001350-03 S-SO-56394-CB-012510-137						
1001350-04 S-SO-56394-CB-012510-144						
1001350-05 S-SO-56394-DR-012510-1069						
1001350-06 S-SO-56394-DR-012510-1059						
1001350-07 S-SO-56394-CB-012510-143						
1001350-08 S-SO-56394-DR-012510-1063						
1001350-09 S-SO-56394-CB-012610-153						
1001350-10 S-SO-56394-CB-012610-158						
1001350-11 S-SO-56394-CB-012610-160						
1001350-12 S-SO-56394-CB-012610-165						
1001350-13 S-SO-56394-DR-012610-1078						
1001350-14 SD-SO-56394-DR-012610-1078	A	ma Scott	2-1-10 7:00Am	2-1-10 4:00pm	no	A03

00021

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-26-10 17:43**

Department: **Metals** Analysis: 3050 B Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001350-15 S-SO-56394-DR-012610-1075	A	Ina Scott	2-1-10 7:00Am	2-1-10 4:00pm	no	A03
1001350-16 S-SO-56394-CB-012610-166	A	Ina Scott	2-1-10 7:00Am	2-1-10 4:00pm	no	A03

22002

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-26-10 17:43**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001350-01 S-SO-56394-CB-012510-129	A03	[signature]	2/1/10 4:00pm	2/2/10 4:00pm	No	
1001350-02 S-SO-56394-CB-012510-133						
1001350-03 S-SO-56394-CB-012510-137						
1001350-04 S-SO-56394-CB-012510-144						
1001350-05 S-SO-56394-DR-012510-1069						
1001350-06 S-SO-56394-DR-012510-1059	MSM					
1001350-07 S-SO-56394-CB-012510-143		MSM	MSM	MSM	MSM	
1001350-08 S-SO-56394-DR-012510-1063						
1001350-09 S-SO-56394-CB-012610-153						
1001350-10 S-SO-56394-CB-012610-158						
1001350-11 S-SO-56394-CB-012610-160						
1001350-12 S-SO-56394-CB-012610-165						
1001350-13 S-SO-56394-DR-012610-1078						
1001350-14 SD-SO-56394-DR-012610-1078	A03	[signature]	2/1/10 4:00pm	2/2/10 4:00pm	No	

: 00023

Internal Chain of Custody --- Work Order # **1001350**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-26-10 17:43**

Department: **Metals**

Analysis: ICPMS 6020A

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001350-15 S-SO-56394-DR-012610-1075	A03	Melanie Sm	2/1/10 4:00pm	2/2/10 4:00pm	No	
1001350-16 S-SO-56394-CB-012610-166	A03	Melanie Sm	2/1/10 4:00pm	2/2/10 4:00pm	No	

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-26-10 17:43**

Department: **Metals**

Analysis: 3050B Digestion Sb

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001350-01 S-SO-56394-CB-012510-129	A		2-1-10 8:30Am	2-1-10 10:30Am	no	A04
1001350-02 S-SO-56394-CB-012510-133						
1001350-03 S-SO-56394-CB-012510-137						
1001350-04 S-SO-56394-CB-012510-144						
1001350-05 S-SO-56394-DR-012510-1069						
1001350-06 S-SO-56394-DR-012510-1059						
1001350-07 S-SO-56394-CB-012510-143	ROB	ROB	ROB	ROB	ROB	ROB
1001350-08 S-SO-56394-DR-012510-1063						
1001350-09 S-SO-56394-CB-012610-153						
1001350-10 S-SO-56394-CB-012610-158						
1001350-11 S-SO-56394-CB-012610-160						
1001350-12 S-SO-56394-CB-012610-165						
1001350-13 S-SO-56394-DR-012610-1078						
1001350-14 SD-SO-56394-DR-012610-1078	A		2-1-10 8:30Am	2-1-10 10:30Am	no	A04

00025

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-26-10 17:43**

Department: **Metals** Analysis: 3050B Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001350-15 S-SO-56394-DR-012610-1075	A		2-1-10 08:30AM	2-1-10 10:30AM	NO	A04
1001350-16 S-SO-56394-CB-012610-166	A		2-1-10 08:30AM	2-1-10 10:30AM	NO	A04

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-26-10 17:43**

Department: **Metals**

Analysis: ICPMS 6020A Sb

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001350-01 S-SO-56394-CB-012510-129	A04	[signature]	2/1/10 10:30am	2/8/10 12:35pm	No	
1001350-02 S-SO-56394-CB-012510-133						
1001350-03 S-SO-56394-CB-012510-137						
1001350-04 S-SO-56394-CB-012510-144						
1001350-05 S-SO-56394-DR-012510-1069						
1001350-06 S-SO-56394-DR-012510-1059						
1001350-07 S-SO-56394-CB-012510-143	[signature]	[signature]	[signature]	[signature]	[signature]	
1001350-08 S-SO-56394-DR-012510-1063						
1001350-09 S-SO-56394-CB-012610-153						
1001350-10 S-SO-56394-CB-012610-158						
1001350-11 S-SO-56394-CB-012610-160						
1001350-12 S-SO-56394-CB-012610-165						
1001350-13 S-SO-56394-DR-012610-1078						
1001350-14 SD-SO-56394-DR-012610-1078	A04	[signature]	2/1/10 10:30am	2/8/10 12:35pm	No	

: 00027

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-26-10 17:43**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001350-15 S-SO-56394-DR-012610-1075	A04		2/1/10 10:30am	2/8/10 12:35pm	No	
1001350-16 S-SO-56394-CB-012610-166	A04		2/1/10 10:30am	2/8/10 12:35pm	No	

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-26-10 17:43**

Department: **Metals** Analysis: 7471A Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001350-01 S-SO-56394-CB-012510-129	A	Ma Scott	2-01-10 3:00pm	2-01-10 3:30pm	no	AOS
1001350-02 S-SO-56394-CB-012510-133						
1001350-03 S-SO-56394-CB-012510-137						
1001350-04 S-SO-56394-CB-012510-144						
1001350-05 S-SO-56394-DR-012510-1069						
1001350-06 S-SO-56394-DR-012510-1059						
1001350-07 S-SO-56394-CB-012510-143						
1001350-08 S-SO-56394-DR-012510-1063						
1001350-09 S-SO-56394-CB-012610-153						
1001350-10 S-SO-56394-CB-012610-158						
1001350-11 S-SO-56394-CB-012610-160						
1001350-12 S-SO-56394-CB-012610-165						
1001350-13 S-SO-56394-DR-012610-1078						
1001350-14 SD-SO-56394-DR-012610-1078	A	Ma Scott	2-01-10 3:00pm	2-01-10 3:30pm	no	AOS

00029

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-26-10 17:43**

Department: **Metals** Analysis: 7471A Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001350-15 S-SO-56394-DR-012610-1075	A	Tina Scott	2-01-10 3:00pm	2-01-10 3:30pm	no	AOS
1001350-16 S-SO-56394-CB-012610-166	A	Tina Scott	2-01-10 3:00pm	2-01-10 3:30pm	no	AOS

000039

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-26-10 17:43**

Department: **Metals** Analysis: Hg 7471A

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001350-01 S-SO-56394-CB-012510-129	AOS	Kari Vesser	2-1-10 3:30pm	2-2-10 1:55pm	yes	
1001350-02 S-SO-56394-CB-012510-133						
1001350-03 S-SO-56394-CB-012510-137						
1001350-04 S-SO-56394-CB-012510-144						
1001350-05 S-SO-56394-DR-012510-1069						
1001350-06 S-SO-56394-DR-012510-1059						
1001350-07 S-SO-56394-CB-012510-143	KW	KW	KW	KW	KW	
1001350-08 S-SO-56394-DR-012510-1063						
1001350-09 S-SO-56394-CB-012610-153						
1001350-10 S-SO-56394-CB-012610-158						
1001350-11 S-SO-56394-CB-012610-160						
1001350-12 S-SO-56394-CB-012610-165						
1001350-13 S-SO-56394-DR-012610-1078						
1001350-14 SD-SO-56394-DR-012610-1078	AOS	Kari Vesser	2-1-10 3:30pm	2-2-10 1:55pm	yes	

00031

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-26-10 17:43**

Department: **Metals** Analysis: Hg 7471A

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001350-15 S-SO-56394-DR-012610-1075	AOS	Kari Visser	2-1-10 3:30pm	2-2-10 1:55pm	yes	
1001350-16 S-SO-56394-CB-012610-166	AOS	Kari Visser	2-1-10 3:30pm	2-2-10 1:55pm	yes	

Internal Chain of Custody --- Work Order # **1001382**

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

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

Department: **Metals**

Analysis: 3050B Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001382-01 S-SO-56394-CB-012710-168	A	Ma Scott	2-2-10 7:00Am	2-2-10 4:00pm	no	A03
1001382-02 SD-SO-56394-CB-012710-168						
1001382-03 S-SO-56394-CB-012710-177						
1001382-04 S-SO-56394-CB-012710-180						
1001382-05 S-SO-56394-CB-012710-182						
1001382-06 S-SO-56394-CB-012710-183						
1001382-07 S-SO-56394-CB-012810-189						
1001382-08 SD-SO-56394-CB-012810-189						
1001382-09 S-SO-56394-CB-012810-190	A	Ma Scott	2-2-10 7:00Am	2-2-10 4:00pm	no	A03

00033

Internal Chain of Custody --- Work Order # **1001382**

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*
1001382-01 S-SO-56394-CB-012710-168	A03	Kari Lisser	2-2-10 4:00pm	2-3-10 1:10pm	no	
1001382-02 SD-SO-56394-CB-012710-168						
1001382-03 S-SO-56394-CB-012710-177						
1001382-04 S-SO-56394-CB-012710-180						
1001382-05 S-SO-56394-CB-012710-182	KW	KW	KW	KW	KW	
1001382-06 S-SO-56394-CB-012710-183						
1001382-07 S-SO-56394-CB-012810-189						
1001382-08 SD-SO-56394-CB-012810-189						
1001382-09 S-SO-56394-CB-012810-190	A03	Kari Lisser	2-2-10 4:00pm	2-3-10 1:10pm	no	

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

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

Department: **Metals**

Analysis: 3050B Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001382-01 S-SO-56394-CB-012710-168	A	Ma Scott	2-2-10 7:00Am	2-2-10 4:00pm	no	A64
1001382-02 SD-SO-56394-CB-012710-168						
1001382-03 S-SO-56394-CB-012710-177						
1001382-04 S-SO-56394-CB-012710-180						
1001382-05 S-SO-56394-CB-012710-182						
1001382-06 S-SO-56394-CB-012710-183						
1001382-07 S-SO-56394-CB-012810-189						
1001382-08 SD-SO-56394-CB-012810-189						
1001382-09 S-SO-56394-CB-012810-190	A	Ma Scott	2-2-10 7:00Am	2-2-10 4:00pm	no	A04

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

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

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001382-01 S-SO-56394-CB-012710-168	A04	David Johnson	2-02-10 4:00pm	2-09-10 6:55pm	ND	
1001382-02 SD-SO-56394-CB-012710-168						
1001382-03 S-SO-56394-CB-012710-177						
1001382-04 S-SO-56394-CB-012710-180						
1001382-05 S-SO-56394-CB-012710-182						
1001382-06 S-SO-56394-CB-012710-183		"	"	"	"	
1001382-07 S-SO-56394-CB-012810-189						
1001382-08 SD-SO-56394-CB-012810-189	↓					
1001382-09 S-SO-56394-CB-012810-190	A04	David Johnson	2-02-10 4:00pm	2-09-10 6:55pm	ND	

Internal Chain of Custody --- Work Order # **1001382**

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

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

Department: **Metals**

Analysis: ICPMS ~~6020A~~ 3050B 6020A 103 2-12-10 Sb

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001382-01 S-SO-56394-CB-012710-168	A		2-3-10 9:00AM	2-3-10 11:00AM	no	A05
1001382-02 SD-SO-56394-CB-012710-168						
1001382-03 S-SO-56394-CB-012710-177						
1001382-04 S-SO-56394-CB-012710-180						
1001382-05 S-SO-56394-CB-012710-182	ROB	ROD	ROD	ROD	ROD	ROD
1001382-06 S-SO-56394-CB-012710-183						
1001382-07 S-SO-56394-CB-012810-189						
1001382-08 SD-SO-56394-CB-012810-189						
1001382-09 S-SO-56394-CB-012810-190	A		2-3-10 9:00AM	2-3-10 11:00AM	no	A05

00037

Internal Chain of Custody --- Work Order # **1001382**

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

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

Department: **Metals**

Analysis: 3050B ~~Digestion~~ 30 6020A ICPMS

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001382-01 S-SO-56394-CB-012710-168	A		2/3/10 11:00am	2/8/10 12:35pm	No	A05
1001382-02 SD-SO-56394-CB-012710-168						
1001382-03 S-SO-56394-CB-012710-177						
1001382-04 S-SO-56394-CB-012710-180						
1001382-05 S-SO-56394-CB-012710-182						
1001382-06 S-SO-56394-CB-012710-183						
1001382-07 S-SO-56394-CB-012810-189						
1001382-08 SD-SO-56394-CB-012810-189						
1001382-09 S-SO-56394-CB-012810-190	A		2/3/10 11:00am	2/8/10 12:35pm	No	A05

00038

Internal Chain of Custody --- Work Order # **1001382**

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

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

Department: **Metals**

Analysis: 7471A Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001382-01 S-SO-56394-CB-012710-168	A	ma Scott	2-1-10 3:00pm	2-1-10 3:30pm	no	A02
1001382-02 SD-SO-56394-CB-012710-168						
1001382-03 S-SO-56394-CB-012710-177						
1001382-04 S-SO-56394-CB-012710-180						
1001382-05 S-SO-56394-CB-012710-182						
1001382-06 S-SO-56394-CB-012710-183						
1001382-07 S-SO-56394-CB-012810-189						
1001382-08 SD-SO-56394-CB-012810-189						
1001382-09 S-SO-56394-CB-012810-190	A	ma Scott	2-1-10 3:00pm	2-1-10 3:30pm	no	A02

00039

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

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

Department: **Metals**

Analysis: Hg 7471A

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001382-01 S-SO-56394-CB-012710-168	A02	Kari Vissers	2-1-10 3:30pm	2-2-10 1:55pm	yes	
1001382-02 SD-SO-56394-CB-012710-168						
1001382-03 S-SO-56394-CB-012710-177						
1001382-04 S-SO-56394-CB-012710-180						
1001382-05 S-SO-56394-CB-012710-182	KW	KW	KW	KW	KW	
1001382-06 S-SO-56394-CB-012710-183						
1001382-07 S-SO-56394-CB-012810-189						
1001382-08 SD-SO-56394-CB-012810-189						
1001382-09 S-SO-56394-CB-012810-190	A02	Kari Vissers	2-1-10 3:30pm	2-2-10 1:55pm	yes	

Internal Chain of Custody --- Work Order # **1001350**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-26-10 17:43**

Department: **Inorganic - Wet Chemistry**

Analysis: Solids, Total (2550B (Pa)

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001350-01 S-SO-56394-CB-012510-129	A	M Julius Blattner	1-27-10 1pm	1-27-10 2:30pm	No	
1001350-02 S-SO-56394-CB-012510-133						
1001350-03 S-SO-56394-CB-012510-137						
1001350-04 S-SO-56394-CB-012510-144						
1001350-05 S-SO-56394-DR-012510-1069						
1001350-06 S-SO-56394-DR-012510-1059						
1001350-07 S-SO-56394-CB-012510-143						
1001350-08 S-SO-56394-DR-012510-1063						
1001350-09 S-SO-56394-CB-012610-153						
1001350-10 S-SO-56394-CB-012610-158						
1001350-11 S-SO-56394-CB-012610-160						
1001350-12 S-SO-56394-CB-012610-165						
1001350-13 S-SO-56394-DR-012610-1078						
1001350-14 SD-SO-56394-DR-012610-1078						

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-26-10 17:43**

Department: **Inorganic - Wet Chemistry**

Analysis: Solids, Total 3550B(%)

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001350-15 S-SO-56394-DR-012610-1075	A	Melissa Flattum	1-27-10 1pm	1-27-10 2:30pm	NO	
1001350-16 S-SO-56394-CB-012610-166	A	Melissa Flattum	1-27-10 1pm	1-27-10 2:30pm	No	

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

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

Department: **Inorganic - Wet Chemistry** Analysis: Solids, Total 3550B (%)

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001382-01 S-SO-56394-CB-012710-168	A	Melissa Slattner	1-29-10 8:30 am	1-29-10 10am		
1001382-02 SD-SO-56394-CB-012710-168	A					
1001382-03 S-SO-56394-CB-012710-177	A					
1001382-04 S-SO-56394-CB-012710-180	A					
1001382-05 S-SO-56394-CB-012710-182	A					
1001382-06 S-SO-56394-CB-012710-183	B					
1001382-07 S-SO-56394-CB-012810-189	A					
1001382-08 SD-SO-56394-CB-012810-189	A					
1001382-09 S-SO-56394-CB-012810-190	A	Melissa Slattner	1-29-10 8:30am	1-29-10 10am		

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-26-10 17:43**

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*
1001350-01 S-SO-56394-CB-012510-129	A	Lucy M Alvarez	01/27/10 7:00am	01/27/10 8:45am	NO	A01
1001350-02 S-SO-56394-CB-012510-133	A	"	"	"	"	"
1001350-03 S-SO-56394-CB-012510-137	A	"	"	"	"	"
1001350-04 S-SO-56394-CB-012510-144	A	"	"	"	"	"
1001350-05 S-SO-56394-DR-012510-1069	A	"	"	"	"	"
1001350-06 S-SO-56394-DR-012510-1059	A	"	"	"	"	"
1001350-07 S-SO-56394-CB-012510-143	A	"	"	"	"	"
1001350-08 S-SO-56394-DR-012510-1063	A	"	"	"	"	"
1001350-09 S-SO-56394-CB-012610-153	A	"	"	"	"	"
1001350-10 S-SO-56394-CB-012610-158	A	"	"	"	"	"
1001350-11 S-SO-56394-CB-012610-160	A	"	"	"	"	"
1001350-12 S-SO-56394-CB-012610-165	A	Lucy M Alvarez	01/27/10 7:00am	01/27/10 8:45am	NO	A01
1001350-13 S-SO-56394-DR-012610-1078	A	Lucy M Alvarez	01/28/10 7:00am	01/28/10 8:00am	NO	A01
1001350-14 SD-SO-56394-DR-012610-1078	A	Lucy M Alvarez	01/28/10 7:00am	01/28/10 8:00am	NO	A01

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-26-10 17:43**

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*
1001350-15 S-SO-56394-DR-012610-1075	A	Lucy M Harvey	01/28/10 7:00am	01/28/10 8:00am	NO	A01
1001350-16 S-SO-56394-CB-012610-166	A	Lucy M Harvey	01/28/10 7:00am	01/28/10 8:00am	NO	A01

St000

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-26-10 17:43**

Department: **Inorganic - Wet Chemistry** Analysis: Cyanide, Total 9014

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001350-01 S-SO-56394-CB-012510-129	A01	Lucy M Harvey	02/01/10 7:30am	02/01/10 11:00am	NO	
1001350-02 S-SO-56394-CB-012510-133						
1001350-03 S-SO-56394-CB-012510-137						
1001350-04 S-SO-56394-CB-012510-144						
1001350-05 S-SO-56394-DR-012510-1069						
1001350-06 S-SO-56394-DR-012510-1059						
1001350-07 S-SO-56394-CB-012510-143	"	"	"	"	"	
1001350-08 S-SO-56394-DR-012510-1063						
1001350-09 S-SO-56394-CB-012610-153						
1001350-10 S-SO-56394-CB-012610-158						
1001350-11 S-SO-56394-CB-012610-160						
1001350-12 S-SO-56394-CB-012610-165						
1001350-13 S-SO-56394-DR-012610-1078						
1001350-14 SD-SO-56394-DR-012610-1078	A01	Lucy M Harvey	02/01/10 7:30am	02/01/10 8:00am	NO	

9h000

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-26-10 17:43**

Department: **Inorganic - Wet Chemistry** Analysis: Cyanide, Total

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001350-15 S-SO-56394-DR-012610-1075	AO1	Lucy M Harvey	02/01/10 7:30am	02/01/10 11:00am	NO	—
1001350-16 S-SO-56394-CB-012610-166	AO1	Lucy M Harvey	02/01/10 7:30am	02/01/10 11:00am	NO	—

Internal Chain of Custody --- Work Order # **1001382**

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

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

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*
1001382-01 S-SO-56394-CB-012710-168	A	Lucy M Harvey	01/29/10 7:30am	01/29/10 8:15am	NO	A01
1001382-02 SD-SO-56394-CB-012710-168	A					A01
1001382-03 S-SO-56394-CB-012710-177	A					A01
1001382-04 S-SO-56394-CB-012710-180	A					A01
1001382-05 S-SO-56394-CB-012710-182	A					A01
1001382-06 S-SO-56394-CB-012710-183	C					C01
1001382-07 S-SO-56394-CB-012810-189	A					A01
1001382-08 SD-SO-56394-CB-012810-189	A					A01
1001382-09 S-SO-56394-CB-012810-190	A	Lucy M Harvey	01/29/10 7:30am	01/29/10 8:15am	NO	A01

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

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

Department: **Inorganic - Wet Chemistry** Analysis: Cyanide, Total 9014

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001382-01 S-SO-56394-CB-012710-168	A01	Lucy M Adkins	02/01/10 7:30am	02/01/10 11:00am	NO	
1001382-02 SD-SO-56394-CB-012710-168	A01					
1001382-03 S-SO-56394-CB-012710-177	A01					
1001382-04 S-SO-56394-CB-012710-180	A01					
1001382-05 S-SO-56394-CB-012710-182	A01	"	"	"	"	
1001382-06 S-SO-56394-CB-012710-183	C01					
1001382-07 S-SO-56394-CB-012810-189	A01					
1001382-08 SD-SO-56394-CB-012810-189	A01					
1001382-09 S-SO-56394-CB-012810-190	A01	Lucy M Adkins	02/01/10 7:30am	02/01/10 11:00am	NO	

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: PM012510

USEPA-6010B

: 00051

SAMPLE ID SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-SO-56394-CB-012510-129	1001350-01
S-SO-56394-CB-012510-133	1001350-02
S-SO-56394-CB-012510-137	1001350-03
S-SO-56394-CB-012510-144	1001350-04
S-SO-56394-DR-012510-1069	1001350-05
S-SO-56394-DR-012510-1059	1001350-06
S-SO-56394-CB-012510-143	1001350-07
S-SO-56394-DR-012510-1063	1001350-08
S-SO-56394-CB-012610-153	1001350-09
S-SO-56394-CB-012610-158	1001350-10
S-SO-56394-CB-012610-160	1001350-11
S-SO-56394-CB-012610-165	1001350-12
S-SO-56394-DR-012610-1078	1001350-13
SD-SO-56394-DR-012610-1078	1001350-14
S-SO-56394-DR-012610-1075	1001350-15
S-SO-56394-CB-012610-166	1001350-16
S-SO-56394-CB-012710-168	1001382-01
SD-SO-56394-CB-012710-168	1001382-02
S-SO-56394-CB-012710-177	1001382-03
S-SO-56394-CB-012710-180	1001382-04
S-SO-56394-CB-012710-182	1001382-05
S-SO-56394-CB-012710-183	1001382-06
S-SO-56394-CB-012810-189	1001382-07
SD-SO-56394-CB-012810-189	1001382-08
S-SO-56394-CB-012810-190	1001382-09

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: 86.07
Laboratory ID: 1001350-01

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/03/10 07:00
Initial/Final: 0.5048 g / 50 mL
QC Batch: 1000787

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	6400	mg/kg dry wt.	1	10	1.8		02/05/10 12:32
7440-39-3	Barium, Total	140	mg/kg dry wt.	1	1.0	0.28		02/05/10 12:32
7439-89-6	Iron, Total	13000	mg/kg dry wt.	1	5.0	0.47		02/05/10 12:32
7439-95-4	Magnesium, Total	3900	mg/kg dry wt.	1	50	4.4		02/05/10 12:32
7439-96-5	Manganese, Total	550	mg/kg dry wt.	1	1.0	0.21		02/05/10 12:32
7440-02-0	Nickel, Total	9.6	mg/kg dry wt.	1	1.0	0.81		02/05/10 12:32
7440-23-5	Sodium, Total	79	mg/kg dry wt.	1	50	5.4		02/05/10 12:32

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: 85.09
Laboratory ID: 1001350-02

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/03/10 07:00
Initial/Final: 0.519 g / 50 mL
QC Batch: 1000787

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	5400	mg/kg dry wt.	1	10	1.8		02/05/10 12:37
7440-39-3	Barium, Total	170	mg/kg dry wt.	1	1.0	0.28		02/05/10 12:37
7439-89-6	Iron, Total	30000	mg/kg dry wt.	1	5.0	0.47		02/05/10 12:37
7439-95-4	Magnesium, Total	17000	mg/kg dry wt.	1	50	4.4		02/05/10 12:37
7439-96-5	Manganese, Total	990	mg/kg dry wt.	1	1.0	0.21		02/05/10 12:37
7440-02-0	Nickel, Total	14	mg/kg dry wt.	1	1.0	0.81		02/05/10 12:37
7440-23-5	Sodium, Total	110	mg/kg dry wt.	1	50	5.4		02/05/10 12:37

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: 93.43
Laboratory ID: 1001350-03

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/03/10 07:00
Initial/Final: 0.5228 g / 50 mL
QC Batch: 1000787

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	4500	mg/kg dry wt.	1	10	1.8		02/05/10 12:42
7440-39-3	Barium, Total	330	mg/kg dry wt.	1	1.0	0.28		02/05/10 12:42
7439-89-6	Iron, Total	27000	mg/kg dry wt.	1	5.0	0.47		02/05/10 12:42
7439-95-4	Magnesium, Total	27000	mg/kg dry wt.	1	50	4.4		02/05/10 12:42
7439-96-5	Manganese, Total	530	mg/kg dry wt.	1	1.0	0.21		02/05/10 12:42
7440-02-0	Nickel, Total	14	mg/kg dry wt.	1	1.0	0.81		02/05/10 12:42
7440-23-5	Sodium, Total	120	mg/kg dry wt.	1	50	5.4		02/05/10 12:42

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: 89.23
Laboratory ID: 1001350-04

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/03/10 07:00
Initial/Final: 0.5017 g / 50 mL
QC Batch: 1000787

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	3600	mg/kg dry wt.	1	10	1.8		02/05/10 12:47
7440-39-3	Barium, Total	49	mg/kg dry wt.	1	1.0	0.28		02/05/10 12:47
7439-89-6	Iron, Total	8200	mg/kg dry wt.	1	5.0	0.47		02/05/10 12:47
7439-95-4	Magnesium, Total	14000	mg/kg dry wt.	1	50	4.4		02/05/10 12:47
7439-96-5	Manganese, Total	260	mg/kg dry wt.	1	1.0	0.21		02/05/10 12:47
7440-02-0	Nickel, Total	6.8	mg/kg dry wt.	1	1.0	0.81		02/05/10 12:47
7440-23-5	Sodium, Total	79	mg/kg dry wt.	1	50	5.4		02/05/10 12:47

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: 87.99
Laboratory ID: 1001350-05

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/03/10 07:00
Initial/Final: 0.5098 g / 50 mL
QC Batch: 1000787

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	1000	mg/kg dry wt.	1	10	1.8		02/05/10 12:52
7440-39-3	Barium, Total	93	mg/kg dry wt.	1	1.0	0.28		02/05/10 12:52
7439-89-6	Iron, Total	6800	mg/kg dry wt.	1	5.0	0.47		02/05/10 12:52
7439-95-4	Magnesium, Total	200	mg/kg dry wt.	1	50	4.4		02/05/10 12:52
7439-96-5	Manganese, Total	13	mg/kg dry wt.	1	1.0	0.21		02/05/10 12:52
7440-02-0	Nickel, Total	8.1	mg/kg dry wt.	1	1.0	0.81		02/05/10 12:52
7440-23-5	Sodium, Total	110	mg/kg dry wt.	1	50	5.4		02/05/10 12:52

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: 96.12
Laboratory ID: 1001350-06

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/03/10 07:00
Initial/Final: 0.5144 g / 50 mL
QC Batch: 1000787

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	2600	mg/kg dry wt.	1	10	1.8		02/05/10 13:06
7440-39-3	Barium, Total	8.8	mg/kg dry wt.	1	1.0	0.28		02/05/10 13:06
7439-89-6	Iron, Total	6500	mg/kg dry wt.	1	5.0	0.47		02/05/10 13:06
7439-95-4	Magnesium, Total	28000	mg/kg dry wt.	1	50	4.4		02/05/10 13:06
7439-96-5	Manganese, Total	180	mg/kg dry wt.	1	1.0	0.21		02/05/10 13:06
7440-02-0	Nickel, Total	5.6	mg/kg dry wt.	1	1.0	0.81		02/05/10 13:06
7440-23-5	Sodium, Total	91	mg/kg dry wt.	1	50	5.4		02/05/10 13:06

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: 92.69
Laboratory ID: 1001350-07

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/03/10 07:00
Initial/Final: 0.5041 g / 50 mL
QC Batch: 1000787

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	3000	mg/kg dry wt.	1	10	1.8		02/05/10 13:11
7440-39-3	Barium, Total	30	mg/kg dry wt.	1	1.0	0.28		02/05/10 13:11
7439-89-6	Iron, Total	9000	mg/kg dry wt.	1	5.0	0.47		02/05/10 13:11
7439-95-4	Magnesium, Total	7100	mg/kg dry wt.	1	50	4.4		02/05/10 13:11
7439-96-5	Manganese, Total	330	mg/kg dry wt.	1	1.0	0.21		02/05/10 13:11
7440-02-0	Nickel, Total	6.6	mg/kg dry wt.	1	1.0	0.81		02/05/10 13:11
7440-23-5	Sodium, Total	40	mg/kg dry wt.	1	50	5.4	J	02/05/10 13:11

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: 94.79
Laboratory ID: 1001350-08

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/03/10 07:00
Initial/Final: 0.5204 g / 50 mL
QC Batch: 1000787

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	3400	mg/kg dry wt.	1	10	1.8		02/05/10 13:16
7440-39-3	Barium, Total	16	mg/kg dry wt.	1	1.0	0.28		02/05/10 13:16
7439-89-6	Iron, Total	5700	mg/kg dry wt.	1	5.0	0.47		02/05/10 13:16
7439-95-4	Magnesium, Total	1000	mg/kg dry wt.	1	50	4.4		02/05/10 13:16
7439-96-5	Manganese, Total	120	mg/kg dry wt.	1	1.0	0.21		02/05/10 13:16
7440-02-0	Nickel, Total	4.3	mg/kg dry wt.	1	1.0	0.81		02/05/10 13:16
7440-23-5	Sodium, Total	10	mg/kg dry wt.	1	50	5.4	J	02/05/10 13:16

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: 93.33
Laboratory ID: 1001350-09

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/03/10 07:00
Initial/Final: 0.504 g / 50 mL
QC Batch: 1000787

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	3400	mg/kg dry wt.	1	10	1.8		02/05/10 13:21
7440-39-3	Barium, Total	24	mg/kg dry wt.	1	1.0	0.28		02/05/10 13:21
7439-89-6	Iron, Total	21000	mg/kg dry wt.	1	5.0	0.47		02/05/10 13:21
7439-95-4	Magnesium, Total	22000	mg/kg dry wt.	1	50	4.4		02/05/10 13:21
7439-96-5	Manganese, Total	700	mg/kg dry wt.	1	1.0	0.21		02/05/10 13:21
7440-02-0	Nickel, Total	8.9	mg/kg dry wt.	1	1.0	0.81		02/05/10 13:21
7440-23-5	Sodium, Total	84	mg/kg dry wt.	1	50	5.4		02/05/10 13:21

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: 89.12
Laboratory ID: 1001350-10

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/03/10 07:00
Initial/Final: 0.5082 g / 50 mL
QC Batch: 1000787

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	6600	mg/kg dry wt.	1	10	1.8		02/05/10 13:26
7440-39-3	Barium, Total	380	mg/kg dry wt.	1	1.0	0.28		02/05/10 13:26
7439-89-6	Iron, Total	42000	mg/kg dry wt.	1	5.0	0.47		02/05/10 13:26
7439-95-4	Magnesium, Total	8300	mg/kg dry wt.	1	50	4.4		02/05/10 13:26
7439-96-5	Manganese, Total	600	mg/kg dry wt.	1	1.0	0.21		02/05/10 13:26
7440-02-0	Nickel, Total	21	mg/kg dry wt.	1	1.0	0.81		02/05/10 13:26
7440-23-5	Sodium, Total	160	mg/kg dry wt.	1	50	5.4		02/05/10 13:26

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: 89.48
Laboratory ID: 1001350-11

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/03/10 07:00
Initial/Final: 0.5004 g / 50 mL
QC Batch: 1000787

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	6700	mg/kg dry wt.	1	10	1.8		02/05/10 13:32
7440-39-3	Barium, Total	130	mg/kg dry wt.	1	1.0	0.28		02/05/10 13:32
7439-89-6	Iron, Total	54000	mg/kg dry wt.	100	500	47		02/05/10 14:32
7439-95-4	Magnesium, Total	2500	mg/kg dry wt.	1	50	4.4		02/05/10 13:32
7439-96-5	Manganese, Total	2200	mg/kg dry wt.	1	1.0	0.21		02/05/10 13:32
7440-02-0	Nickel, Total	15	mg/kg dry wt.	1	1.0	0.81		02/05/10 13:32
7440-23-5	Sodium, Total	27	mg/kg dry wt.	1	50	5.4	J	02/05/10 13:32

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: 94.94
Laboratory ID: 1001350-12

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/03/10 07:00
Initial/Final: 0.5028 g / 50 mL
QC Batch: 1000787

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	2800	mg/kg dry wt.	1	10	1.8		02/05/10 13:37
7440-39-3	Barium, Total	13	mg/kg dry wt.	1	1.0	0.28		02/05/10 13:37
7439-89-6	Iron, Total	10000	mg/kg dry wt.	1	5.0	0.47		02/05/10 13:37
7439-95-4	Magnesium, Total	27000	mg/kg dry wt.	1	50	4.4		02/05/10 13:37
7439-96-5	Manganese, Total	310	mg/kg dry wt.	1	1.0	0.21		02/05/10 13:37
7440-02-0	Nickel, Total	7.4	mg/kg dry wt.	1	1.0	0.81		02/05/10 13:37
7440-23-5	Sodium, Total	81	mg/kg dry wt.	1	50	5.4		02/05/10 13:37

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: 76.18
Laboratory ID: 1001350-13

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/03/10 07:00
Initial/Final: 0.5032 g / 50 mL
QC Batch: 1000787

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	3100	mg/kg dry wt.	1	10	1.8		02/05/10 13:42
7440-39-3	Barium, Total	320	mg/kg dry wt.	1	1.0	0.28		02/05/10 13:42
7439-89-6	Iron, Total	9800	mg/kg dry wt.	1	5.0	0.47		02/05/10 13:42
7439-95-4	Magnesium, Total	2900	mg/kg dry wt.	1	50	4.4		02/05/10 13:42
7439-96-5	Manganese, Total	75	mg/kg dry wt.	1	1.0	0.21		02/05/10 13:42
7440-02-0	Nickel, Total	8.5	mg/kg dry wt.	1	1.0	0.81		02/05/10 13:42
7440-23-5	Sodium, Total	74	mg/kg dry wt.	1	50	5.4		02/05/10 13:42

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

SD-SO-56394-DR-012610-1078

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 11:35
Solids: 75.13
Laboratory ID: 1001350-14

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/03/10 07:00
Initial/Final: 0.5096 g / 50 mL
QC Batch: 1000787

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	3900	mg/kg dry wt.	1	10	1.8		02/05/10 13:47
7440-39-3	Barium, Total	220	mg/kg dry wt.	1	1.0	0.28		02/05/10 13:47
7439-89-6	Iron, Total	14000	mg/kg dry wt.	1	5.0	0.47		02/05/10 13:47
7439-95-4	Magnesium, Total	880	mg/kg dry wt.	1	50	4.4		02/05/10 13:47
7439-96-5	Manganese, Total	130	mg/kg dry wt.	1	1.0	0.21		02/05/10 13:47
7440-02-0	Nickel, Total	9.5	mg/kg dry wt.	1	1.0	0.81		02/05/10 13:47
7440-23-5	Sodium, Total	110	mg/kg dry wt.	1	50	5.4		02/05/10 13:47

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: 96.00
Laboratory ID: 1001350-15

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/03/10 07:00
Initial/Final: 0.5196 g / 50 mL
QC Batch: 1000787

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	3300	mg/kg dry wt.	1	10	1.8		02/05/10 13:52
7440-39-3	Barium, Total	15	mg/kg dry wt.	1	1.0	0.28		02/05/10 13:52
7439-89-6	Iron, Total	8100	mg/kg dry wt.	1	5.0	0.47		02/05/10 13:52
7439-95-4	Magnesium, Total	26000	mg/kg dry wt.	1	50	4.4		02/05/10 13:52
7439-96-5	Manganese, Total	270	mg/kg dry wt.	1	1.0	0.21		02/05/10 13:52
7440-02-0	Nickel, Total	7.6	mg/kg dry wt.	1	1.0	0.81		02/05/10 13:52
7440-23-5	Sodium, Total	110	mg/kg dry wt.	1	50	5.4		02/05/10 13:52

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: 92.05
Laboratory ID: 1001350-16

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/03/10 07:00
Initial/Final: 0.5172 g / 50 mL
QC Batch: 1000787

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	3700	mg/kg dry wt.	10	100	18		02/05/10 14:48
7440-39-3	Barium, Total	45	mg/kg dry wt.	1	1.0	0.28		02/05/10 14:05
7439-89-6	Iron, Total	11000	mg/kg dry wt.	200	1000	94		02/05/10 14:36
7439-95-4	Magnesium, Total	8500	mg/kg dry wt.	10	500	44		02/05/10 14:48
7439-96-5	Manganese, Total	400	mg/kg dry wt.	10	10	2.1		02/05/10 14:48
7440-02-0	Nickel, Total	7.9	mg/kg dry wt.	1	1.0	0.81		02/05/10 14:05
7440-23-5	Sodium, Total	45	mg/kg dry wt.	1	50	5.4	J	02/05/10 14:05

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: 88.49
Laboratory ID: 1001382-01

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/02/10 07:00
Initial/Final: 0.5077 g / 50 mL
QC Batch: 1000890

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	5500	mg/kg dry wt.	1	10	1.8		02/03/10 10:24
7440-39-3	Barium, Total	100	mg/kg dry wt.	1	1.0	0.28		02/03/10 10:24
7439-89-6	Iron, Total	13000	mg/kg dry wt.	1	5.0	0.47		02/03/10 10:24
7439-95-4	Magnesium, Total	6400	mg/kg dry wt.	1	50	4.4		02/03/10 10:24
7439-96-5	Manganese, Total	600	mg/kg dry wt.	1	1.0	0.21		02/03/10 10:24
7440-02-0	Nickel, Total	14	mg/kg dry wt.	1	1.0	0.81		02/03/10 10:24
7440-23-5	Sodium, Total	66	mg/kg dry wt.	1	50	5.4		02/03/10 10:24

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: 88.06
Laboratory ID: 1001382-02

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/02/10 07:00
Initial/Final: 0.5348 g / 50 mL
QC Batch: 1000890

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	6500	mg/kg dry wt.	1	9.3	1.7		02/03/10 10:28
7440-39-3	Barium, Total	130	mg/kg dry wt.	1	0.93	0.27		02/03/10 10:28
7439-89-6	Iron, Total	18000	mg/kg dry wt.	1	4.7	0.44		02/03/10 10:28
7439-95-4	Magnesium, Total	4900	mg/kg dry wt.	1	47	4.1		02/03/10 10:28
7439-96-5	Manganese, Total	730	mg/kg dry wt.	1	0.93	0.20		02/03/10 10:28
7440-02-0	Nickel, Total	14	mg/kg dry wt.	1	0.93	0.75		02/03/10 10:28
7440-23-5	Sodium, Total	82	mg/kg dry wt.	1	47	5.0		02/03/10 10:28

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: 85.97
Laboratory ID: 1001382-03

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/02/10 07:00
Initial/Final: 0.5164 g / 50 mL
QC Batch: 1000890

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	6500	mg/kg dry wt.	1	10	1.8		02/03/10 10:31
7440-39-3	Barium, Total	260	mg/kg dry wt.	1	1.0	0.28		02/03/10 10:31
7439-89-6	Iron, Total	58000	mg/kg dry wt.	10	50	4.7		02/03/10 12:22
7439-95-4	Magnesium, Total	8700	mg/kg dry wt.	1	50	4.4		02/03/10 10:31
7439-96-5	Manganese, Total	660	mg/kg dry wt.	1	1.0	0.21		02/03/10 10:31
7440-02-0	Nickel, Total	41	mg/kg dry wt.	1	1.0	0.81		02/03/10 10:31
7440-23-5	Sodium, Total	190	mg/kg dry wt.	1	50	5.4		02/03/10 10:31

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: 86.74
Laboratory ID: 1001382-04

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/02/10 07:00
Initial/Final: 0.5221 g / 50 mL
QC Batch: 1000890

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	7100	mg/kg dry wt.	1	10	1.8		02/03/10 10:35
7440-39-3	Barium, Total	470	mg/kg dry wt.	10	10	2.8		02/03/10 12:25
7439-89-6	Iron, Total	15000	mg/kg dry wt.	1	5.0	0.47		02/03/10 10:35
7439-95-4	Magnesium, Total	13000	mg/kg dry wt.	1	50	4.4		02/03/10 10:35
7439-96-5	Manganese, Total	400	mg/kg dry wt.	1	1.0	0.21		02/03/10 10:35
7440-02-0	Nickel, Total	17	mg/kg dry wt.	1	1.0	0.81		02/03/10 10:35
7440-23-5	Sodium, Total	160	mg/kg dry wt.	1	50	5.4		02/03/10 10:35

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: 87.54
Laboratory ID: 1001382-05

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/02/10 07:00
Initial/Final: 0.5082 g / 50 mL
QC Batch: 1000890

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	4900	mg/kg dry wt.	1	10	1.8		02/03/10 10:39
7440-39-3	Barium, Total	1200	mg/kg dry wt.	10	10	2.8		02/03/10 12:28
7439-89-6	Iron, Total	26000	mg/kg dry wt.	1	5.0	0.47		02/03/10 10:39
7439-95-4	Magnesium, Total	17000	mg/kg dry wt.	1	50	4.4		02/03/10 10:39
7439-96-5	Manganese, Total	390	mg/kg dry wt.	1	1.0	0.21		02/03/10 10:39
7440-02-0	Nickel, Total	18	mg/kg dry wt.	1	1.0	0.81		02/03/10 10:39
7440-23-5	Sodium, Total	110	mg/kg dry wt.	1	50	5.4		02/03/10 10:39

00073

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: 92.32
Laboratory ID: 1001382-06

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/02/10 07:00
Initial/Final: 0.5027 g / 50 mL
QC Batch: 1000890

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	4400	mg/kg dry wt.	1	10	1.8		02/03/10 10:42
7440-39-3	Barium, Total	130	mg/kg dry wt.	1	1.0	0.28		02/03/10 10:42
7439-89-6	Iron, Total	13000	mg/kg dry wt.	200	1000	94		02/03/10 12:32
7439-95-4	Magnesium, Total	8700	mg/kg dry wt.	1	50	4.4		02/03/10 10:42
7439-96-5	Manganese, Total	330	mg/kg dry wt.	5	5.0	1.1		02/03/10 12:41
7440-02-0	Nickel, Total	16	mg/kg dry wt.	1	1.0	0.81		02/03/10 10:42
7440-23-5	Sodium, Total	72	mg/kg dry wt.	1	50	5.4		02/03/10 10:42

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: 94.86
Laboratory ID: 1001382-07

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/02/10 07:00
Initial/Final: 0.5222 g / 50 mL
QC Batch: 1000890

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	3800	mg/kg dry wt.	1	10	1.8		02/03/10 11:07
7440-39-3	Barium, Total	13	mg/kg dry wt.	1	1.0	0.28		02/03/10 11:07
7439-89-6	Iron, Total	12000	mg/kg dry wt.	1	5.0	0.47		02/03/10 11:07
7439-95-4	Magnesium, Total	42000	mg/kg dry wt.	10	500	44		02/03/10 12:58
7439-96-5	Manganese, Total	340	mg/kg dry wt.	1	1.0	0.21		02/03/10 11:07
7440-02-0	Nickel, Total	17	mg/kg dry wt.	1	1.0	0.81		02/03/10 11:07
7440-23-5	Sodium, Total	170	mg/kg dry wt.	1	50	5.4		02/03/10 11:07

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: 94.96
Laboratory ID: 1001382-08

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/02/10 07:00
Initial/Final: 0.5366 g / 50 mL
QC Batch: 1000890

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	4000	mg/kg dry wt.	1	9.3	1.7		02/03/10 11:11
7440-39-3	Barium, Total	14	mg/kg dry wt.	1	0.93	0.26		02/03/10 11:11
7439-89-6	Iron, Total	14000	mg/kg dry wt.	1	4.7	0.44		02/03/10 11:11
7439-95-4	Magnesium, Total	45000	mg/kg dry wt.	10	470	41		02/03/10 13:01
7439-96-5	Manganese, Total	350	mg/kg dry wt.	1	0.93	0.20		02/03/10 11:11
7440-02-0	Nickel, Total	17	mg/kg dry wt.	1	0.93	0.75		02/03/10 11:11
7440-23-5	Sodium, Total	180	mg/kg dry wt.	1	47	5.0		02/03/10 11:11

00076

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-012810-190

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Preparation: 3050B Digestion
Sampled: 01/28/10 10:05
Prepared: 02/02/10 07:00
Solids: 89.70
Initial/Final: 0.5053 g / 50 mL
Laboratory ID: 1001382-09
QC Batch: 1000890

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	3600	mg/kg dry wt.	1	10	1.8		02/03/10 11:14
7440-39-3	Barium, Total	110	mg/kg dry wt.	1	1.0	0.28		02/03/10 11:14
7439-89-6	Iron, Total	17000	mg/kg dry wt.	1	5.0	0.47		02/03/10 11:14
7439-95-4	Magnesium, Total	14000	mg/kg dry wt.	1	50	4.4		02/03/10 11:14
7439-96-5	Manganese, Total	380	mg/kg dry wt.	1	1.0	0.21		02/03/10 11:14
7440-02-0	Nickel, Total	15	mg/kg dry wt.	1	1.0	0.81		02/03/10 11:14
7440-23-5	Sodium, Total	130	mg/kg dry wt.	1	50	5.4		02/03/10 11:14

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B02016

SDG: PM012510
Project: Plainwell Mill
Instrument: 311
Calibration: 0B08010

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B02016-CAL1	0B02016A-001	02/05/10 11:10
Cal Standard	0B02016-CAL2	0B02016A-002	02/05/10 11:14
Cal Standard	0B02016-CAL3	0B02016A-003	02/05/10 11:17
Cal Standard	0B02016-CAL4	0B02016A-004	02/05/10 11:21
Cal Standard	0B02016-CAL5	0B02016A-005	02/05/10 11:25
Secondary Cal Check	0B02016-SCV1	0B02016A-006	02/05/10 11:29
Calibration Check	0B02016-CCV1	0B02016A-006	02/05/10 11:29
Calibration Blank	0B02016-CCB1	0B02016A-007	02/05/10 11:33
MRL Check	0B02016-CRL1	0B02016A-008	02/05/10 11:37
Interference Check A	0B02016-IFA1	0B02016A-009	02/05/10 11:41
Interference Check A	0B02016-IFA2	0B02016A-010	02/05/10 11:47
Interference Check B	0B02016-IFB1	0B02016A-011	02/05/10 11:53
Interference Check B	0B02016-IFB2	0B02016A-012	02/05/10 11:58
Calibration Check	0B02016-CCV2	0B02016A-013	02/05/10 12:04
Calibration Blank	0B02016-CCB2	0B02016A-014	02/05/10 12:08
Blank	1000787-BLK1	0B02016A-018	02/05/10 12:24
LCS	1000787-BS1	0B02016A-019	02/05/10 12:28
S-SO-56394-CB-012510-129	1001350-01	0B02016A-020	02/05/10 12:32
S-SO-56394-CB-012510-129	1001350-01	0B02016A-020	02/05/10 12:32
S-SO-56394-CB-012510-129	1001350-01	0B02016A-020	02/05/10 12:32
S-SO-56394-CB-012510-129	1001350-01	0B02016A-020	02/05/10 12:32
S-SO-56394-CB-012510-129	1001350-01	0B02016A-020	02/05/10 12:32
S-SO-56394-CB-012510-129	1001350-01	0B02016A-020	02/05/10 12:32
S-SO-56394-CB-012510-129	1001350-01	0B02016A-020	02/05/10 12:32
S-SO-56394-CB-012510-133	1001350-02	0B02016A-021	02/05/10 12:37
S-SO-56394-CB-012510-133	1001350-02	0B02016A-021	02/05/10 12:37
S-SO-56394-CB-012510-133	1001350-02	0B02016A-021	02/05/10 12:37
S-SO-56394-CB-012510-133	1001350-02	0B02016A-021	02/05/10 12:37
S-SO-56394-CB-012510-133	1001350-02	0B02016A-021	02/05/10 12:37
S-SO-56394-CB-012510-133	1001350-02	0B02016A-021	02/05/10 12:37
S-SO-56394-CB-012510-133	1001350-02	0B02016A-021	02/05/10 12:37
S-SO-56394-CB-012510-137	1001350-03	0B02016A-022	02/05/10 12:42

: 00078

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B02016

SDG: PM012510
Project: Plainwell Mill
Instrument: 311
Calibration: 0B08010

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012510-137	1001350-03	0B02016A-022	02/05/10 12:42
S-SO-56394-CB-012510-137	1001350-03	0B02016A-022	02/05/10 12:42
S-SO-56394-CB-012510-137	1001350-03	0B02016A-022	02/05/10 12:42
S-SO-56394-CB-012510-137	1001350-03	0B02016A-022	02/05/10 12:42
S-SO-56394-CB-012510-137	1001350-03	0B02016A-022	02/05/10 12:42
S-SO-56394-CB-012510-137	1001350-03	0B02016A-022	02/05/10 12:42
S-SO-56394-CB-012510-144	1001350-04	0B02016A-023	02/05/10 12:47
S-SO-56394-CB-012510-144	1001350-04	0B02016A-023	02/05/10 12:47
S-SO-56394-CB-012510-144	1001350-04	0B02016A-023	02/05/10 12:47
S-SO-56394-CB-012510-144	1001350-04	0B02016A-023	02/05/10 12:47
S-SO-56394-CB-012510-144	1001350-04	0B02016A-023	02/05/10 12:47
S-SO-56394-CB-012510-144	1001350-04	0B02016A-023	02/05/10 12:47
S-SO-56394-CB-012510-144	1001350-04	0B02016A-023	02/05/10 12:47
S-SO-56394-DR-012510-1069	1001350-05	0B02016A-024	02/05/10 12:52
S-SO-56394-DR-012510-1069	1001350-05	0B02016A-024	02/05/10 12:52
S-SO-56394-DR-012510-1069	1001350-05	0B02016A-024	02/05/10 12:52
S-SO-56394-DR-012510-1069	1001350-05	0B02016A-024	02/05/10 12:52
S-SO-56394-DR-012510-1069	1001350-05	0B02016A-024	02/05/10 12:52
S-SO-56394-DR-012510-1069	1001350-05	0B02016A-024	02/05/10 12:52
S-SO-56394-DR-012510-1069	1001350-05	0B02016A-024	02/05/10 12:52
Calibration Check	0B02016-CCV3	0B02016A-025	02/05/10 12:58
Calibration Blank	0B02016-CCB3	0B02016A-026	02/05/10 13:02
S-SO-56394-DR-012510-1059	1001350-06	0B02016A-027	02/05/10 13:06
S-SO-56394-DR-012510-1059	1001350-06	0B02016A-027	02/05/10 13:06
S-SO-56394-DR-012510-1059	1001350-06	0B02016A-027	02/05/10 13:06
S-SO-56394-DR-012510-1059	1001350-06	0B02016A-027	02/05/10 13:06
S-SO-56394-DR-012510-1059	1001350-06	0B02016A-027	02/05/10 13:06
S-SO-56394-DR-012510-1059	1001350-06	0B02016A-027	02/05/10 13:06
S-SO-56394-DR-012510-1059	1001350-06	0B02016A-027	02/05/10 13:06
S-SO-56394-CB-012510-143	1001350-07	0B02016A-028	02/05/10 13:11
S-SO-56394-CB-012510-143	1001350-07	0B02016A-028	02/05/10 13:11
S-SO-56394-CB-012510-143	1001350-07	0B02016A-028	02/05/10 13:11

00079

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B02016

SDG: PM012510
Project: Plainwell Mill
Instrument: 311
Calibration: 0B08010

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012510-143	1001350-07	0B02016A-028	02/05/10 13:11
S-SO-56394-CB-012510-143	1001350-07	0B02016A-028	02/05/10 13:11
S-SO-56394-CB-012510-143	1001350-07	0B02016A-028	02/05/10 13:11
S-SO-56394-CB-012510-143	1001350-07	0B02016A-028	02/05/10 13:11
S-SO-56394-DR-012510-1063	1001350-08	0B02016A-029	02/05/10 13:16
S-SO-56394-DR-012510-1063	1001350-08	0B02016A-029	02/05/10 13:16
S-SO-56394-DR-012510-1063	1001350-08	0B02016A-029	02/05/10 13:16
S-SO-56394-DR-012510-1063	1001350-08	0B02016A-029	02/05/10 13:16
S-SO-56394-DR-012510-1063	1001350-08	0B02016A-029	02/05/10 13:16
S-SO-56394-DR-012510-1063	1001350-08	0B02016A-029	02/05/10 13:16
S-SO-56394-DR-012510-1063	1001350-08	0B02016A-029	02/05/10 13:16
S-SO-56394-CB-012610-153	1001350-09	0B02016A-030	02/05/10 13:21
S-SO-56394-CB-012610-153	1001350-09	0B02016A-030	02/05/10 13:21
S-SO-56394-CB-012610-153	1001350-09	0B02016A-030	02/05/10 13:21
S-SO-56394-CB-012610-153	1001350-09	0B02016A-030	02/05/10 13:21
S-SO-56394-CB-012610-153	1001350-09	0B02016A-030	02/05/10 13:21
S-SO-56394-CB-012610-153	1001350-09	0B02016A-030	02/05/10 13:21
S-SO-56394-CB-012610-153	1001350-09	0B02016A-030	02/05/10 13:21
S-SO-56394-CB-012610-158	1001350-10	0B02016A-031	02/05/10 13:26
S-SO-56394-CB-012610-158	1001350-10	0B02016A-031	02/05/10 13:26
S-SO-56394-CB-012610-158	1001350-10	0B02016A-031	02/05/10 13:26
S-SO-56394-CB-012610-158	1001350-10	0B02016A-031	02/05/10 13:26
S-SO-56394-CB-012610-158	1001350-10	0B02016A-031	02/05/10 13:26
S-SO-56394-CB-012610-158	1001350-10	0B02016A-031	02/05/10 13:26
S-SO-56394-CB-012610-158	1001350-10	0B02016A-031	02/05/10 13:26
S-SO-56394-CB-012610-160	1001350-11	0B02016A-032	02/05/10 13:32
S-SO-56394-CB-012610-160	1001350-11	0B02016A-032	02/05/10 13:32
S-SO-56394-CB-012610-160	1001350-11	0B02016A-032	02/05/10 13:32
S-SO-56394-CB-012610-160	1001350-11	0B02016A-032	02/05/10 13:32
S-SO-56394-CB-012610-160	1001350-11	0B02016A-032	02/05/10 13:32
S-SO-56394-CB-012610-160	1001350-11	0B02016A-032	02/05/10 13:32
S-SO-56394-CB-012610-165	1001350-12	0B02016A-033	02/05/10 13:37

00080

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B02016

SDG: PM012510
Project: Plainwell Mill
Instrument: 311
Calibration: 0B08010

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012610-165	1001350-12	0B02016A-033	02/05/10 13:37
S-SO-56394-CB-012610-165	1001350-12	0B02016A-033	02/05/10 13:37
S-SO-56394-CB-012610-165	1001350-12	0B02016A-033	02/05/10 13:37
S-SO-56394-CB-012610-165	1001350-12	0B02016A-033	02/05/10 13:37
S-SO-56394-CB-012610-165	1001350-12	0B02016A-033	02/05/10 13:37
S-SO-56394-CB-012610-165	1001350-12	0B02016A-033	02/05/10 13:37
S-SO-56394-DR-012610-1078	1001350-13	0B02016A-034	02/05/10 13:42
S-SO-56394-DR-012610-1078	1001350-13	0B02016A-034	02/05/10 13:42
S-SO-56394-DR-012610-1078	1001350-13	0B02016A-034	02/05/10 13:42
S-SO-56394-DR-012610-1078	1001350-13	0B02016A-034	02/05/10 13:42
S-SO-56394-DR-012610-1078	1001350-13	0B02016A-034	02/05/10 13:42
S-SO-56394-DR-012610-1078	1001350-13	0B02016A-034	02/05/10 13:42
S-SO-56394-DR-012610-1078	1001350-13	0B02016A-034	02/05/10 13:42
SD-SO-56394-DR-012610-1078	1001350-14	0B02016A-035	02/05/10 13:47
SD-SO-56394-DR-012610-1078	1001350-14	0B02016A-035	02/05/10 13:47
SD-SO-56394-DR-012610-1078	1001350-14	0B02016A-035	02/05/10 13:47
SD-SO-56394-DR-012610-1078	1001350-14	0B02016A-035	02/05/10 13:47
SD-SO-56394-DR-012610-1078	1001350-14	0B02016A-035	02/05/10 13:47
SD-SO-56394-DR-012610-1078	1001350-14	0B02016A-035	02/05/10 13:47
SD-SO-56394-DR-012610-1078	1001350-14	0B02016A-035	02/05/10 13:47
S-SO-56394-DR-012610-1075	1001350-15	0B02016A-036	02/05/10 13:52
S-SO-56394-DR-012610-1075	1001350-15	0B02016A-036	02/05/10 13:52
S-SO-56394-DR-012610-1075	1001350-15	0B02016A-036	02/05/10 13:52
S-SO-56394-DR-012610-1075	1001350-15	0B02016A-036	02/05/10 13:52
S-SO-56394-DR-012610-1075	1001350-15	0B02016A-036	02/05/10 13:52
S-SO-56394-DR-012610-1075	1001350-15	0B02016A-036	02/05/10 13:52
S-SO-56394-DR-012610-1075	1001350-15	0B02016A-036	02/05/10 13:52
Calibration Check	0B02016-CCV4	0B02016A-037	02/05/10 13:57
Calibration Blank	0B02016-CCB4	0B02016A-038	02/05/10 14:01
S-SO-56394-CB-012610-166	1001350-16	0B02016A-039	02/05/10 14:05
S-SO-56394-CB-012610-166	1001350-16	0B02016A-039	02/05/10 14:05
S-SO-56394-CB-012610-166	1001350-16	0B02016A-039	02/05/10 14:05

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B02016

SDG: PM012510
Project: Plainwell Mill
Instrument: 311
Calibration: 0B08010

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012610-166	1000787-MS1	0B02016A-040	02/05/10 14:10
S-SO-56394-CB-012610-166	1000787-MSD1	0B02016A-041	02/05/10 14:15
S-SO-56394-CB-012610-166	0B02016-SRD1	0B02016A-042	02/05/10 14:21
S-SO-56394-CB-012610-166	1000787-PS1	0B02016A-043	02/05/10 14:26
S-SO-56394-CB-012610-160	1001350-11	0B02016A-044	02/05/10 14:32
S-SO-56394-CB-012610-166	1001350-16	0B02016A-045	02/05/10 14:36
S-SO-56394-CB-012610-166	0B02016-SRD2	0B02016A-046	02/05/10 14:40
S-SO-56394-CB-012610-166	1000787-PS2	0B02016A-047	02/05/10 14:44
S-SO-56394-CB-012610-166	1001350-16	0B02016A-048	02/05/10 14:48
S-SO-56394-CB-012610-166	1001350-16	0B02016A-048	02/05/10 14:48
S-SO-56394-CB-012610-166	1001350-16	0B02016A-048	02/05/10 14:48
Calibration Check	0B02016-CCV5	0B02016A-049	02/05/10 14:52
Calibration Blank	0B02016-CCB5	0B02016A-050	02/05/10 14:56
S-SO-56394-CB-012610-166	0B02016-SRD3	0B02016A-051	02/05/10 15:00
S-SO-56394-CB-012610-166	1000787-PS3	0B02016A-052	02/05/10 15:04
Calibration Check	0B02016-CCV6	0B02016A-053	02/05/10 15:07
Calibration Blank	0B02016-CCB6	0B02016A-054	02/05/10 15:11

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B03018

SDG: PM012510
Project: Plainwell Mill
Instrument: 101
Calibration: 0B03013

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B03018-CAL1	0B03018-002	02/03/10 09:30
Cal Standard	0B03018-CAL2	0B03018-003	02/03/10 09:33
Cal Standard	0B03018-CAL3	0B03018-004	02/03/10 09:37
Cal Standard	0B03018-CAL4	0B03018-005	02/03/10 09:40
Cal Standard	0B03018-CAL5	0B03018-006	02/03/10 09:43
Secondary Cal Check	0B03018-SCV1	0B03018-007	02/03/10 09:47
Calibration Check	0B03018-CCV1	0B03018-007	02/03/10 09:47
Calibration Blank	0B03018-CCB1	0B03018-008	02/03/10 09:50
MRL Check	0B03018-CRL1	0B03018-009	02/03/10 09:54
Interference Check A	0B03018-IFA1	0B03018-010	02/03/10 09:57
Interference Check A	0B03018-IFA2	0B03018-011	02/03/10 10:00
Interference Check B	0B03018-IFB1	0B03018-012	02/03/10 10:04
Interference Check B	0B03018-IFB2	0B03018-013	02/03/10 10:07
Calibration Check	0B03018-CCV2	0B03018-014	02/03/10 10:11
Calibration Blank	0B03018-CCB2	0B03018-015	02/03/10 10:14
Blank	1000890-BLK1	0B03018-016	02/03/10 10:18
LCS	1000890-BS1	0B03018-017	02/03/10 10:21
S-SO-56394-CB-012710-168	1001382-01	0B03018-018	02/03/10 10:24
S-SO-56394-CB-012710-168	1001382-01	0B03018-018	02/03/10 10:24
S-SO-56394-CB-012710-168	1001382-01	0B03018-018	02/03/10 10:24
S-SO-56394-CB-012710-168	1001382-01	0B03018-018	02/03/10 10:24
S-SO-56394-CB-012710-168	1001382-01	0B03018-018	02/03/10 10:24
S-SO-56394-CB-012710-168	1001382-01	0B03018-018	02/03/10 10:24
S-SO-56394-CB-012710-168	1001382-01	0B03018-018	02/03/10 10:24
SD-SO-56394-CB-012710-168	1001382-02	0B03018-019	02/03/10 10:28
SD-SO-56394-CB-012710-168	1001382-02	0B03018-019	02/03/10 10:28
SD-SO-56394-CB-012710-168	1001382-02	0B03018-019	02/03/10 10:28
SD-SO-56394-CB-012710-168	1001382-02	0B03018-019	02/03/10 10:28
SD-SO-56394-CB-012710-168	1001382-02	0B03018-019	02/03/10 10:28
SD-SO-56394-CB-012710-168	1001382-02	0B03018-019	02/03/10 10:28
SD-SO-56394-CB-012710-168	1001382-02	0B03018-019	02/03/10 10:28
S-SO-56394-CB-012710-177	1001382-03	0B03018-020	02/03/10 10:31

: 00083

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B03018

SDG: PM012510
Project: Plainwell Mill
Instrument: 101
Calibration: 0B03013

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012710-177	1001382-03	0B03018-020	02/03/10 10:31
S-SO-56394-CB-012710-177	1001382-03	0B03018-020	02/03/10 10:31
S-SO-56394-CB-012710-177	1001382-03	0B03018-020	02/03/10 10:31
S-SO-56394-CB-012710-177	1001382-03	0B03018-020	02/03/10 10:31
S-SO-56394-CB-012710-177	1001382-03	0B03018-020	02/03/10 10:31
S-SO-56394-CB-012710-180	1001382-04	0B03018-021	02/03/10 10:35
S-SO-56394-CB-012710-180	1001382-04	0B03018-021	02/03/10 10:35
S-SO-56394-CB-012710-180	1001382-04	0B03018-021	02/03/10 10:35
S-SO-56394-CB-012710-180	1001382-04	0B03018-021	02/03/10 10:35
S-SO-56394-CB-012710-180	1001382-04	0B03018-021	02/03/10 10:35
S-SO-56394-CB-012710-180	1001382-04	0B03018-021	02/03/10 10:35
S-SO-56394-CB-012710-182	1001382-05	0B03018-022	02/03/10 10:39
S-SO-56394-CB-012710-182	1001382-05	0B03018-022	02/03/10 10:39
S-SO-56394-CB-012710-182	1001382-05	0B03018-022	02/03/10 10:39
S-SO-56394-CB-012710-182	1001382-05	0B03018-022	02/03/10 10:39
S-SO-56394-CB-012710-182	1001382-05	0B03018-022	02/03/10 10:39
S-SO-56394-CB-012710-182	1001382-05	0B03018-022	02/03/10 10:39
S-SO-56394-CB-012710-183	1001382-06	0B03018-023	02/03/10 10:42
S-SO-56394-CB-012710-183	1001382-06	0B03018-023	02/03/10 10:42
S-SO-56394-CB-012710-183	1001382-06	0B03018-023	02/03/10 10:42
S-SO-56394-CB-012710-183	1001382-06	0B03018-023	02/03/10 10:42
S-SO-56394-CB-012710-183	1001382-06	0B03018-023	02/03/10 10:42
S-SO-56394-CB-012710-183	1000890-MS1	0B03018-024	02/03/10 10:46
S-SO-56394-CB-012710-183	1000890-MSD1	0B03018-025	02/03/10 10:50
Calibration Check	0B03018-CCV3	0B03018-026	02/03/10 10:53
Calibration Blank	0B03018-CCB3	0B03018-027	02/03/10 10:56
S-SO-56394-CB-012710-183	0B03018-SRD1	0B03018-028	02/03/10 11:00
S-SO-56394-CB-012710-183	1000890-PS1	0B03018-029	02/03/10 11:03
S-SO-56394-CB-012810-189	1001382-07	0B03018-030	02/03/10 11:07
S-SO-56394-CB-012810-189	1001382-07	0B03018-030	02/03/10 11:07
S-SO-56394-CB-012810-189	1001382-07	0B03018-030	02/03/10 11:07
S-SO-56394-CB-012810-189	1001382-07	0B03018-030	02/03/10 11:07

00084

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B03018

SDG: PM012510
Project: Plainwell Mill
Instrument: 101
Calibration: 0B03013

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012810-189	1001382-07	0B03018-030	02/03/10 11:07
S-SO-56394-CB-012810-189	1001382-07	0B03018-030	02/03/10 11:07
SD-SO-56394-CB-012810-189	1001382-08	0B03018-031	02/03/10 11:11
SD-SO-56394-CB-012810-189	1001382-08	0B03018-031	02/03/10 11:11
SD-SO-56394-CB-012810-189	1001382-08	0B03018-031	02/03/10 11:11
SD-SO-56394-CB-012810-189	1001382-08	0B03018-031	02/03/10 11:11
SD-SO-56394-CB-012810-189	1001382-08	0B03018-031	02/03/10 11:11
SD-SO-56394-CB-012810-189	1001382-08	0B03018-031	02/03/10 11:11
S-SO-56394-CB-012810-190	1001382-09	0B03018-032	02/03/10 11:14
S-SO-56394-CB-012810-190	1001382-09	0B03018-032	02/03/10 11:14
S-SO-56394-CB-012810-190	1001382-09	0B03018-032	02/03/10 11:14
S-SO-56394-CB-012810-190	1001382-09	0B03018-032	02/03/10 11:14
S-SO-56394-CB-012810-190	1001382-09	0B03018-032	02/03/10 11:14
S-SO-56394-CB-012810-190	1001382-09	0B03018-032	02/03/10 11:14
S-SO-56394-CB-012810-190	1001382-09	0B03018-032	02/03/10 11:14
Calibration Check	0B03018-CCV4	0B03018-033	02/03/10 11:18
Calibration Blank	0B03018-CCB4	0B03018-034	02/03/10 11:21
S-SO-56394-CB-012710-177	1001382-03	0B03018-035	02/03/10 12:22
S-SO-56394-CB-012710-180	1001382-04	0B03018-036	02/03/10 12:25
S-SO-56394-CB-012710-182	1001382-05	0B03018-037	02/03/10 12:28
S-SO-56394-CB-012710-183	1001382-06	0B03018-038	02/03/10 12:32
S-SO-56394-CB-012710-183	0B03018-SRD2	0B03018-039	02/03/10 12:35
S-SO-56394-CB-012710-183	1000890-PS2	0B03018-040	02/03/10 12:38
S-SO-56394-CB-012710-183	1001382-06	0B03018-041	02/03/10 12:41
S-SO-56394-CB-012710-183	0B03018-SRD3	0B03018-042	02/03/10 12:45
S-SO-56394-CB-012710-183	1000890-PS3	0B03018-043	02/03/10 12:48
Calibration Check	0B03018-CCV5	0B03018-044	02/03/10 12:51
Calibration Blank	0B03018-CCB5	0B03018-045	02/03/10 12:55
S-SO-56394-CB-012810-189	1001382-07	0B03018-046	02/03/10 12:58
SD-SO-56394-CB-012810-189	1001382-08	0B03018-047	02/03/10 13:01
Calibration Check	0B03018-CCV6	0B03018-048	02/03/10 13:05
Calibration Blank	0B03018-CCB6	0B03018-049	02/03/10 13:08

: 00085

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B02016
Instrument ID: 311
Control Limt: +/- 10.00%
Calibration: 0B08010

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B02016-CCV1	Aluminum	2.50	2.45	98	mg/L	02/05/10 11:29
	Barium	0.500	0.498	100	mg/L	02/05/10 11:29
	Iron	0.500	0.504	101	mg/L	02/05/10 11:29
	Magnesium	5.00	5.11	102	mg/L	02/05/10 11:29
	Manganese	0.500	0.504	101	mg/L	02/05/10 11:29
	Nickel	0.500	0.515	103	mg/L	02/05/10 11:29
	Sodium	5.00	4.96	99	mg/L	02/05/10 11:29
0B02016-CCV2	Aluminum	2.50	2.52	101	mg/L	02/05/10 12:04
	Barium	0.500	0.503	101	mg/L	02/05/10 12:04
	Iron	0.500	0.499	100	mg/L	02/05/10 12:04
	Magnesium	5.00	5.01	100	mg/L	02/05/10 12:04
	Manganese	0.500	0.505	101	mg/L	02/05/10 12:04
	Nickel	0.500	0.507	101	mg/L	02/05/10 12:04
	Sodium	5.00	5.03	101	mg/L	02/05/10 12:04
0B02016-CCV3	Aluminum	2.50	2.48	99	mg/L	02/05/10 12:58
	Barium	0.500	0.502	100	mg/L	02/05/10 12:58
	Iron	0.500	0.508	102	mg/L	02/05/10 12:58
	Magnesium	5.00	4.92	98	mg/L	02/05/10 12:58
	Manganese	0.500	0.505	101	mg/L	02/05/10 12:58
	Nickel	0.500	0.503	101	mg/L	02/05/10 12:58
	Sodium	5.00	4.95	99	mg/L	02/05/10 12:58
0B02016-CCV4	Aluminum	2.50	2.48	99	mg/L	02/05/10 13:57
	Barium	0.500	0.502	100	mg/L	02/05/10 13:57
	Iron	0.500	0.522	104	mg/L	02/05/10 13:57
	Magnesium	5.00	5.00	100	mg/L	02/05/10 13:57
	Manganese	0.500	0.503	101	mg/L	02/05/10 13:57
	Nickel	0.500	0.505	101	mg/L	02/05/10 13:57
	Sodium	5.00	4.95	99	mg/L	02/05/10 13:57
0B02016-CCV5	Aluminum	2.50	2.49	99	mg/L	02/05/10 14:52
	Barium	0.500	0.505	101	mg/L	02/05/10 14:52
	Iron	0.500	0.514	103	mg/L	02/05/10 14:52
	Magnesium	5.00	4.99	100	mg/L	02/05/10 14:52
	Manganese	0.500	0.503	101	mg/L	02/05/10 14:52
	Nickel	0.500	0.503	101	mg/L	02/05/10 14:52
	Sodium	5.00	4.98	100	mg/L	02/05/10 14:52
0B02016-CCV6	Aluminum	2.50	2.47	99	mg/L	02/05/10 15:07
	Barium	0.500	0.502	100	mg/L	02/05/10 15:07
	Iron	0.500	0.510	102	mg/L	02/05/10 15:07

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B02016
Instrument ID:311
Control Limt: +/- 10.00%
Calibration: 0B08010

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B02016-CCV6	Magnesium	5.00	4.97	99	mg/L	02/05/10 15:07
	Manganese	0.500	0.499	100	mg/L	02/05/10 15:07
	Nickel	0.500	0.500	100	mg/L	02/05/10 15:07
	Sodium	5.00	4.96	99	mg/L	02/05/10 15:07

* Values outside of QC limits

00087

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B03018
Instrument ID: 101
Control Limt: +/- 10.00%
Calibration: 0B03013

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B03018-CCV1	Aluminum	2.50	2.52	101	mg/L	02/03/10 09:47
	Barium	0.500	0.509	102	mg/L	02/03/10 09:47
	Iron	0.500	0.515	103	mg/L	02/03/10 09:47
	Magnesium	5.00	5.14	103	mg/L	02/03/10 09:47
	Manganese	0.500	0.510	102	mg/L	02/03/10 09:47
	Nickel	0.500	0.518	104	mg/L	02/03/10 09:47
	Sodium	5.00	5.09	102	mg/L	02/03/10 09:47
0B03018-CCV2	Aluminum	2.50	2.53	101	mg/L	02/03/10 10:11
	Barium	0.500	0.503	101	mg/L	02/03/10 10:11
	Iron	0.500	0.501	100	mg/L	02/03/10 10:11
	Magnesium	5.00	4.99	100	mg/L	02/03/10 10:11
	Manganese	0.500	0.499	100	mg/L	02/03/10 10:11
	Nickel	0.500	0.504	101	mg/L	02/03/10 10:11
	Sodium	5.00	5.02	100	mg/L	02/03/10 10:11
0B03018-CCV3	Aluminum	2.50	2.53	101	mg/L	02/03/10 10:53
	Barium	0.500	0.502	100	mg/L	02/03/10 10:53
	Iron	0.500	0.511	102	mg/L	02/03/10 10:53
	Magnesium	5.00	5.00	100	mg/L	02/03/10 10:53
	Manganese	0.500	0.502	100	mg/L	02/03/10 10:53
	Nickel	0.500	0.510	102	mg/L	02/03/10 10:53
	Sodium	5.00	5.00	100	mg/L	02/03/10 10:53
0B03018-CCV4	Aluminum	2.50	2.54	102	mg/L	02/03/10 11:18
	Barium	0.500	0.509	102	mg/L	02/03/10 11:18
	Iron	0.500	0.503	101	mg/L	02/03/10 11:18
	Magnesium	5.00	5.01	100	mg/L	02/03/10 11:18
	Manganese	0.500	0.499	100	mg/L	02/03/10 11:18
	Nickel	0.500	0.507	101	mg/L	02/03/10 11:18
	Sodium	5.00	5.07	101	mg/L	02/03/10 11:18
0B03018-CCV5	Aluminum	2.50	2.59	104	mg/L	02/03/10 12:51
	Barium	0.500	0.512	102	mg/L	02/03/10 12:51
	Iron	0.500	0.505	101	mg/L	02/03/10 12:51
	Magnesium	5.00	5.05	101	mg/L	02/03/10 12:51
	Manganese	0.500	0.502	100	mg/L	02/03/10 12:51
	Nickel	0.500	0.505	101	mg/L	02/03/10 12:51
	Sodium	5.00	5.09	102	mg/L	02/03/10 12:51
0B03018-CCV6	Aluminum	2.50	2.61	104	mg/L	02/03/10 13:05
	Barium	0.500	0.515	103	mg/L	02/03/10 13:05
	Iron	0.500	0.505	101	mg/L	02/03/10 13:05

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B03018
Instrument ID: 101
Control Limt: +/- 10.00%
Calibration: 0B03013

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B03018-CCV6	Magnesium	5.00	5.04	101	mg/L	02/03/10 13:05
	Manganese	0.500	0.504	101	mg/L	02/03/10 13:05
	Nickel	0.500	0.510	102	mg/L	02/03/10 13:05
	Sodium	5.00	5.12	102	mg/L	02/03/10 13:05

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. **SDG:** PM012510

Client: SulTRAC **Project:** Plainwell Mill

Sequence: 0B02016 **Instrument:** 311

Laboratory ID: 0B02016-SCV1 **Calibration:** 0B08010

Analyte	Expected	Found	% R	QC Limit	Units
Aluminum	2.50	2.45	98	90-110	mg/L
Barium	0.500	0.498	100	90-110	mg/L
Iron	0.500	0.504	101	90-110	mg/L
Magnesium	5.00	5.11	102	90-110	mg/L
Manganese	0.500	0.504	101	90-110	mg/L
Nickel	0.500	0.515	103	90-110	mg/L
Sodium	5.00	4.96	99	90-110	mg/L

* Values outside of QC limits

: 00090

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. **SDG:** PM012510

Client: SulTRAC **Project:** Plainwell Mill

Sequence: 0B03018 **Instrument:** 101

Laboratory ID: 0B03018-SCV1 **Calibration:** 0B03013

Analyte	Expected	Found	% R	QC Limit	Units
Aluminum	2.50	2.52	101	90-110	mg/L
Barium	0.500	0.509	102	90-110	mg/L
Iron	0.500	0.515	103	90-110	mg/L
Magnesium	5.00	5.14	103	90-110	mg/L
Manganese	0.500	0.510	102	90-110	mg/L
Nickel	0.500	0.518	104	90-110	mg/L
Sodium	5.00	5.09	102	90-110	mg/L

* Values outside of QC limits

: 00091

CRDL STANDARD

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0B02016

Instrument ID: 311

Calibration: 0B08010

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B02016-CRL1	Aluminum	0.100	0.122	122	mg/L	50 - 150
	Barium	0.0200	0.0204	102	mg/L	50 - 150
	Iron	0.0200	0.0186	93	mg/L	50 - 150
	Magnesium	1.00	1.05	105	mg/L	50 - 150
	Manganese	0.0200	0.0199	99	mg/L	50 - 150
	Nickel	0.0200	0.0188	94	mg/L	50 - 150
	Sodium	1.00	1.05	105	mg/L	50 - 150

* Values outside of QC limits

CRDL STANDARD

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B03018

SDG: PM012510

Project: Plainwell Mill

Instrument ID: 101

Calibration: 0B03013

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B03018-CRL1	Aluminum	0.100	0.145	145	mg/L	50 - 150
	Barium	0.0200	0.0203	102	mg/L	50 - 150
	Iron	0.0200	0.0196	98	mg/L	50 - 150
	Magnesium	1.00	1.05	105	mg/L	50 - 150
	Manganese	0.0200	0.0201	101	mg/L	50 - 150
	Nickel	0.0200	0.0265	133	mg/L	50 - 150
	Sodium	1.00	1.07	107	mg/L	50 - 150

* Values outside of QC limits

BLANKS
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B02016

SDG: PM012510
Project: Plainwell Mill
Instrument ID: 311
Calibration: 0B08010

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B02016-CCB1	Aluminum	-0.016	0.10	0.027	mg/L	U	02/05/10 11:33
	Barium	-0.0010	0.010	0.0013	mg/L	U	02/05/10 11:33
	Iron	-0.0017	0.050	0.0047	mg/L	U	02/05/10 11:33
	Magnesium	-0.022	0.50	0.044	mg/L	U	02/05/10 11:33
	Manganese	-0.0016	0.010	0.0024	mg/L	U	02/05/10 11:33
	Nickel	-0.0024	0.010	0.0095	mg/L	U	02/05/10 11:33
	Sodium	-0.028	0.50	0.052	mg/L	U	02/05/10 11:33
0B02016-CCB2	Aluminum	-0.013	0.10	0.027	mg/L	U	02/05/10 12:08
	Barium	-0.00090	0.010	0.0013	mg/L	U	02/05/10 12:08
	Iron	0.0011	0.050	0.0047	mg/L	U	02/05/10 12:08
	Magnesium	-0.010	0.50	0.044	mg/L	U	02/05/10 12:08
	Manganese	-0.0014	0.010	0.0024	mg/L	U	02/05/10 12:08
	Nickel	-0.0011	0.010	0.0095	mg/L	U	02/05/10 12:08
	Sodium	-0.035	0.50	0.052	mg/L	U	02/05/10 12:08
0B02016-CCB3	Aluminum	-0.012	0.10	0.027	mg/L	U	02/05/10 13:02
	Barium	-0.0010	0.010	0.0013	mg/L	U	02/05/10 13:02
	Iron	0.0083	0.050	0.0047	mg/L	J	02/05/10 13:02
	Magnesium	-0.031	0.50	0.044	mg/L	U	02/05/10 13:02
	Manganese	-0.0017	0.010	0.0024	mg/L	U	02/05/10 13:02
	Nickel	-0.0055	0.010	0.0095	mg/L	U	02/05/10 13:02
	Sodium	-0.048	0.50	0.052	mg/L	U	02/05/10 13:02
0B02016-CCB4	Aluminum	-0.025	0.10	0.027	mg/L	U	02/05/10 14:01
	Barium	-0.00086	0.010	0.0013	mg/L	U	02/05/10 14:01
	Iron	0.016	0.050	0.0047	mg/L	J	02/05/10 14:01
	Magnesium	-0.020	0.50	0.044	mg/L	U	02/05/10 14:01
	Manganese	-0.0014	0.010	0.0024	mg/L	U	02/05/10 14:01
	Nickel	-0.0055	0.010	0.0095	mg/L	U	02/05/10 14:01
	Sodium	-0.053	0.50	0.052	mg/L	J	02/05/10 14:01
0B02016-CCB5	Aluminum	-0.022	0.10	0.027	mg/L	U	02/05/10 14:56
	Barium	-0.0010	0.010	0.0013	mg/L	U	02/05/10 14:56
	Iron	0.0079	0.050	0.0047	mg/L	J	02/05/10 14:56
	Magnesium	-0.024	0.50	0.044	mg/L	U	02/05/10 14:56
	Manganese	-0.0018	0.010	0.0024	mg/L	U	02/05/10 14:56

BLANKS
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B02016

SDG: PM012510
Project: Plainwell Mill
Instrument ID: 311
Calibration: 0B08010

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B02016-CCB5	Nickel	-0.0062	0.010	0.0095	mg/L	U	02/05/10 14:56
	Sodium	-0.056	0.50	0.052	mg/L	J	02/05/10 14:56
0B02016-CCB6	Aluminum	-0.013	0.10	0.027	mg/L	U	02/05/10 15:11
	Barium	-0.00086	0.010	0.0013	mg/L	U	02/05/10 15:11
	Iron	0.0075	0.050	0.0047	mg/L	J	02/05/10 15:11
	Magnesium	-0.021	0.50	0.044	mg/L	U	02/05/10 15:11
	Manganese	-0.0018	0.010	0.0024	mg/L	U	02/05/10 15:11
	Nickel	-0.0062	0.010	0.0095	mg/L	U	02/05/10 15:11
	Sodium	-0.050	0.50	0.052	mg/L	U	02/05/10 15:11

* Values outside of QC limits

BLANKS
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B03018
Instrument ID: 101
Calibration: 0B03013

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B03018-CCB1	Aluminum	-0.00093	0.10	0.027	mg/L	U	02/03/10 09:50
	Barium	-0.0011	0.010	0.0013	mg/L	U	02/03/10 09:50
	Iron	0.00010	0.050	0.0047	mg/L	U	02/03/10 09:50
	Magnesium	0.0033	0.50	0.044	mg/L	U	02/03/10 09:50
	Manganese	-0.0014	0.010	0.0024	mg/L	U	02/03/10 09:50
	Nickel	0.0045	0.010	0.0095	mg/L	U	02/03/10 09:50
	Sodium	-0.023	0.50	0.052	mg/L	U	02/03/10 09:50
0B03018-CCB2	Aluminum	-0.0077	0.10	0.027	mg/L	U	02/03/10 10:14
	Barium	-0.00093	0.010	0.0013	mg/L	U	02/03/10 10:14
	Iron	0.0020	0.050	0.0047	mg/L	U	02/03/10 10:14
	Magnesium	-0.031	0.50	0.044	mg/L	U	02/03/10 10:14
	Manganese	-0.0012	0.010	0.0024	mg/L	U	02/03/10 10:14
	Nickel	0.0061	0.010	0.0095	mg/L	U	02/03/10 10:14
	Sodium	-0.015	0.50	0.052	mg/L	U	02/03/10 10:14
0B03018-CCB3	Aluminum	0.00098	0.10	0.027	mg/L	U	02/03/10 10:56
	Barium	-0.00077	0.010	0.0013	mg/L	U	02/03/10 10:56
	Iron	0.0019	0.050	0.0047	mg/L	U	02/03/10 10:56
	Magnesium	-0.021	0.50	0.044	mg/L	U	02/03/10 10:56
	Manganese	-0.0016	0.010	0.0024	mg/L	U	02/03/10 10:56
	Nickel	0.0082	0.010	0.0095	mg/L	U	02/03/10 10:56
	Sodium	-0.023	0.50	0.052	mg/L	U	02/03/10 10:56
0B03018-CCB4	Aluminum	-0.0052	0.10	0.027	mg/L	U	02/03/10 11:21
	Barium	-0.0011	0.010	0.0013	mg/L	U	02/03/10 11:21
	Iron	0.0044	0.050	0.0047	mg/L	U	02/03/10 11:21
	Magnesium	0.00067	0.50	0.044	mg/L	U	02/03/10 11:21
	Manganese	-0.0015	0.010	0.0024	mg/L	U	02/03/10 11:21
	Nickel	0.010	0.010	0.0095	mg/L	*	02/03/10 11:21
	Sodium	-0.021	0.50	0.052	mg/L	U	02/03/10 11:21
0B03018-CCB5	Aluminum	0.0099	0.10	0.027	mg/L	U	02/03/10 12:55
	Barium	-0.0013	0.010	0.0013	mg/L	J	02/03/10 12:55
	Iron	0.00091	0.050	0.0047	mg/L	U	02/03/10 12:55
	Magnesium	-0.030	0.50	0.044	mg/L	U	02/03/10 12:55
	Manganese	-0.0015	0.010	0.0024	mg/L	U	02/03/10 12:55

: 00096

BLANKS
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B03018

SDG: PM012510
Project: Plainwell Mill
Instrument ID: 101
Calibration: 0B03013

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B03018-CCB5	Nickel	0.0098	0.010	0.0095	mg/L	J	02/03/10 12:55
	Sodium	-0.025	0.50	0.052	mg/L	U	02/03/10 12:55
0B03018-CCB6	Aluminum	-0.0065	0.10	0.027	mg/L	U	02/03/10 13:08
	Barium	-0.0011	0.010	0.0013	mg/L	U	02/03/10 13:08
	Iron	0.0019	0.050	0.0047	mg/L	U	02/03/10 13:08
	Magnesium	-0.051	0.50	0.044	mg/L	J	02/03/10 13:08
	Manganese	-0.0015	0.010	0.0024	mg/L	U	02/03/10 13:08
	Nickel	0.014	0.010	0.0095	mg/L	*	02/03/10 13:08
	Sodium	-0.027	0.50	0.052	mg/L	U	02/03/10 13:08

* Values outside of QC limits

00097

ICP INTERFERENCE CHECK SAMPLE

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B02016

SDG: PM012510

Project: Plainwell Mill

Instrument ID: 311

Calibration: 0B08010

Lab Sample ID	Analyte	True	Found	%R	Units
0B02016-IFA1	Aluminum	100	99.9	100	mg/L
	Barium	0.00	-0.000608		mg/L
	Iron	40.0	39.5	99	mg/L
	Magnesium	100	98.5	98	mg/L
	Manganese	0.00	0.000603		mg/L
	Nickel	0.00	-0.00111		mg/L
	Sodium	0.00	-0.0217		mg/L
0B02016-IFA2	Aluminum	0.00	0.0596		mg/L
	Barium	0.00	-0.000852		mg/L
	Iron	0.00	-0.0134		mg/L
	Magnesium	0.00	-0.190		mg/L
	Manganese	20.0	20.1	100	mg/L
	Nickel	20.0	20.8	104	mg/L
	Sodium	0.00	0.0277		mg/L
0B02016-IFB1	Aluminum	100	101	101	mg/L
	Barium	0.500	0.458	92	mg/L
	Iron	40.0	39.8	99	mg/L
	Magnesium	100	99.6	100	mg/L
	Manganese	0.500	0.508	102	mg/L
	Nickel	1.00	0.990	99	mg/L
0B02016-IFB2	Aluminum	1.00	1.06	106	mg/L
	Magnesium	5.00	5.03	101	mg/L
	Manganese	20.0	19.6	98	mg/L
	Nickel	20.0	20.4	102	mg/L
	Sodium	5.00	5.15	103	mg/L

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B03018

SDG: PM012510

Project: Plainwell Mill

Instrument ID: 101

Calibration: 0B03013

Lab Sample ID	Analyte	True	Found	%R	Units
0B03018-IFA1	Aluminum	100	100	100	mg/L
	Barium	0.00	-0.00152		mg/L
	Iron	40.0	39.9	100	mg/L
	Magnesium	100	99.6	100	mg/L
	Manganese	0.00	0.000852		mg/L
	Nickel	0.00	0.0155		mg/L
	Sodium	0.00	-0.00342		mg/L
0B03018-IFA2	Aluminum	0.00	0.0910		mg/L
	Barium	0.00	-0.00167		mg/L
	Iron	0.00	0.00799		mg/L
	Magnesium	0.00	0.00306		mg/L
	Manganese	20.0	20.1	101	mg/L
	Nickel	20.0	20.5	103	mg/L
	Sodium	0.00	0.0549		mg/L
0B03018-IFB1	Aluminum	100	101	101	mg/L
	Barium	0.500	0.457	91	mg/L
	Iron	40.0	40.1	100	mg/L
	Magnesium	100	101	101	mg/L
	Manganese	0.500	0.502	100	mg/L
	Nickel	1.00	1.00	100	mg/L
0B03018-IFB2	Aluminum	1.00	1.11	111	mg/L
	Magnesium	5.00	5.10	102	mg/L
	Manganese	20.0	20.2	101	mg/L
	Nickel	20.0	20.5	103	mg/L
	Sodium	5.00	5.14	103	mg/L

* Values outside of QC limits

QC BATCH SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510

Client: SulTRAC Project: Plainwell Mill

QC Batch: 1000787 QC Batch Matrix: Soil Preparation: 3050B Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000787-BLK1	02/03/10 07:00	
LCS	1000787-BS1	02/03/10 07:00	
S-SO-56394-CB-012610-166	1000787-MS1	02/03/10 07:00	
S-SO-56394-CB-012610-166	1000787-MSD1	02/03/10 07:00	
S-SO-56394-CB-012610-166	1000787-PS1	02/05/10 11:00	[Spk] 0.5172g->50mL; 4mL->4mL; Spiked 4mL
S-SO-56394-CB-012610-166	1000787-PS2	02/05/10 11:00	[Spk] 0.5172g->50mL; 0.05mL->0.05mL; Spiked 0.05mL
S-SO-56394-CB-012610-166	1000787-PS3	02/05/10 11:00	[Spk] 0.5172g->50mL; 1mL->1mL; Spiked 1mL
S-SO-56394-CB-012510-129	1001350-01	02/03/10 07:00	
S-SO-56394-CB-012510-133	1001350-02	02/03/10 07:00	
S-SO-56394-CB-012510-137	1001350-03	02/03/10 07:00	
S-SO-56394-CB-012510-144	1001350-04	02/03/10 07:00	
S-SO-56394-DR-012510-1069	1001350-05	02/03/10 07:00	
S-SO-56394-DR-012510-1059	1001350-06	02/03/10 07:00	
S-SO-56394-CB-012510-143	1001350-07	02/03/10 07:00	
S-SO-56394-DR-012510-1063	1001350-08	02/03/10 07:00	
S-SO-56394-CB-012610-153	1001350-09	02/03/10 07:00	
S-SO-56394-CB-012610-158	1001350-10	02/03/10 07:00	
S-SO-56394-CB-012610-160	1001350-11	02/03/10 07:00	
S-SO-56394-CB-012610-165	1001350-12	02/03/10 07:00	
S-SO-56394-DR-012610-1078	1001350-13	02/03/10 07:00	
SD-SO-56394-DR-012610-1078	1001350-14	02/03/10 07:00	
S-SO-56394-DR-012610-1075	1001350-15	02/03/10 07:00	
S-SO-56394-CB-012610-166	1001350-16	02/03/10 07:00	

: 00100

QC BATCH SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510

Client: SulTRAC Project: Plainwell Mill

QC Batch: 1000890 QC Batch Matrix: Soil Preparation: 3050B Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000890-BLK1	02/02/10 07:00	
LCS	1000890-BS1	02/02/10 07:00	
S-SO-56394-CB-012710-183	1000890-MS1	02/02/10 07:00	
S-SO-56394-CB-012710-183	1000890-MSD1	02/02/10 07:00	
S-SO-56394-CB-012710-183	1000890-PS1	02/03/10 07:00	[Spk] 0.5027g->50mL; 4mL->4mL; Spiked 4mL
S-SO-56394-CB-012710-183	1000890-PS2	02/03/10 07:00	[Spk] 0.5027g->50mL; 0.05mL->0.05mL; Spiked 0.05mL
S-SO-56394-CB-012710-183	1000890-PS3	02/03/10 07:00	[Spk] 0.5027g->50mL; 1mL->1mL; Spiked 1mL
S-SO-56394-CB-012710-168	1001382-01	02/02/10 07:00	
SD-SO-56394-CB-012710-168	1001382-02	02/02/10 07:00	
S-SO-56394-CB-012710-177	1001382-03	02/02/10 07:00	
S-SO-56394-CB-012710-180	1001382-04	02/02/10 07:00	
S-SO-56394-CB-012710-182	1001382-05	02/02/10 07:00	
S-SO-56394-CB-012710-183	1001382-06	02/02/10 07:00	
S-SO-56394-CB-012810-189	1001382-07	02/02/10 07:00	
SD-SO-56394-CB-012810-189	1001382-08	02/02/10 07:00	
S-SO-56394-CB-012810-190	1001382-09	02/02/10 07:00	

: 00101

METHOD BLANK DATA SHEET
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000787-BLK1
File ID: 0B02016A-018
Prepared: 02/03/10 07:00
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 50 mL
Analyzed: 02/05/10 12:24
Instrument: 311
QC Batch: 1000787
Sequence: 0B02016
Calibration: 0B08010

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7429-90-5	Aluminum, Total	1.8	10	10	mg/kg dry wt.	U
7440-39-3	Barium, Total	0.28	1.0	1.0	mg/kg dry wt.	U
7439-89-6	Iron, Total	0.47	5.0	2.2	mg/kg dry wt.	J
7439-95-4	Magnesium, Total	4.4	50	50	mg/kg dry wt.	U
7439-96-5	Manganese, Total	0.21	1.0	1.0	mg/kg dry wt.	U
7440-02-0	Nickel, Total	0.81	1.0	1.0	mg/kg dry wt.	U
7440-23-5	Sodium, Total	5.4	50	50	mg/kg dry wt.	U

00102

METHOD BLANK DATA SHEET
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000890-BLK1
File ID: 0B03018-016
Prepared: 02/02/10 07:00
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 50 mL
Analyzed: 02/03/10 10:18
Instrument: 101
QC Batch: 1000890
Sequence: 0B03018
Calibration: 0B03013

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7429-90-5	Aluminum, Total	1.8	10	10	mg/kg dry wt.	U
7440-39-3	Barium, Total	0.28	1.0	1.0	mg/kg dry wt.	U
7439-89-6	Iron, Total	0.47	5.0	0.56	mg/kg dry wt.	J
7439-95-4	Magnesium, Total	4.4	50	50	mg/kg dry wt.	U
7439-96-5	Manganese, Total	0.21	1.0	1.0	mg/kg dry wt.	U
7440-02-0	Nickel, Total	0.81	1.0	1.0	mg/kg dry wt.	U
7440-23-5	Sodium, Total	5.4	50	50	mg/kg dry wt.	U

: 00103

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-012610-166

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5223 g / 50 mL

Laboratory ID: 1000787-MS1

QC Batch: 1000787

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Aluminum, Total	120	3700	4910	1010 *	75 - 125	mg/kg dry wt.
Barium, Total	23.9	45.4	74.4	121	75 - 125	mg/kg dry wt.
Iron, Total	23.9	11000	9970	-4400 *	75 - 125	mg/kg dry wt.
Magnesium, Total	1200	8520	10100	130 *	75 - 125	mg/kg dry wt.
Manganese, Total	23.9	404	452	201 *	75 - 125	mg/kg dry wt.
Nickel, Total	23.9	7.90	32.8	104	75 - 125	mg/kg dry wt.
Sodium, Total	1200	45.0	1280	104	75 - 125	mg/kg dry wt.

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-012610-166

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5002 g / 50 mL

Laboratory ID: 1000787-MSD1

QC Batch: 1000787

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Aluminum, Total	125	5070	1090 *	3	20	75 - 125	mg/kg dry wt.
Barium, Total	25.0	72.1	107	3	20	75 - 125	mg/kg dry wt.
Iron, Total	25.0	10800	-910 *	8	20	75 - 125	mg/kg dry wt.
Magnesium, Total	1250	10700	175 *	6	20	75 - 125	mg/kg dry wt.
Manganese, Total	25.0	522	473 *	14	20	75 - 125	mg/kg dry wt.
Nickel, Total	25.0	34.4	106	5	20	75 - 125	mg/kg dry wt.
Sodium, Total	1250	1350	105	5	20	75 - 125	mg/kg dry wt.

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-012710-183

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5052 g / 50 mL

Laboratory ID: 1000890-MS1

QC Batch: 1000890

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Aluminum, Total	124	4420	4860	357 *	75 - 125	mg/kg dry wt.
Barium, Total	24.7	134	133	-4 *	75 - 125	mg/kg dry wt.
Iron, Total	24.7	13300	12200	-4730 *	75 - 125	mg/kg dry wt.
Magnesium, Total	1240	8720	9790	86	75 - 125	mg/kg dry wt.
Manganese, Total	24.7	332	319	-51 *	75 - 125	mg/kg dry wt.
Nickel, Total	24.7	15.6	39.0	95	75 - 125	mg/kg dry wt.
Sodium, Total	1240	72.3	1330	102	75 - 125	mg/kg dry wt.

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-012710-183

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5146 g / 50 mL

Laboratory ID: 1000890-MSD1

QC Batch: 1000890

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Aluminum, Total	121	5050	523 *	4	20	75 - 125	mg/kg dry wt.
Barium, Total	24.3	132	-10 *	1	20	75 - 125	mg/kg dry wt.
Iron, Total	24.3	15700	9830 *	26 *	20	75 - 125	mg/kg dry wt.
Magnesium, Total	1210	10900	176 *	10	20	75 - 125	mg/kg dry wt.
Manganese, Total	24.3	361	119	12	20	75 - 125	mg/kg dry wt.
Nickel, Total	24.3	41.3	106	6	20	75 - 125	mg/kg dry wt.
Sodium, Total	1210	1310	102	2	20	75 - 125	mg/kg dry wt.

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

* Values outside of QC limits

: 00107

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010B

S-SO-56394-CB-012610-166

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Preparation: 3050B Digestion
% Solids: 92.05
Initial/Final: 0.041376 g / 4 mL
Laboratory ID: 1000787-PS1
QC Batch: 1000787
Lab Source ID: 1001350-16
Sequence: 0B02016

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Barium, Total	80 - 120	0.698	0.470	0.250	91	mg/L
Nickel, Total	80 - 120	0.322	0.0818	0.250	96	mg/L
Sodium, Total	80 - 120	12.8	0.465	12.5	98	mg/L

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010B

S-SO-56394-CB-012610-166

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids: 92.05
Laboratory ID: 1000787-PS2
Lab Source ID: 1001350-16

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.0005172 g / 0.05 mL
QC Batch: 1000787
Sequence: 0B02016

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Iron, Total	80 - 120	161	114	50.0	94	mg/L

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010B

S-SO-56394-CB-012610-166

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Preparation: 3050B Digestion
% Solids: 92.05
Initial/Final: 0.010344 g / 1 mL
Laboratory ID: 1000787-PS3
QC Batch: 1000787
Lab Source ID: 1001350-16
Sequence: 0B02016

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Aluminum, Total	80 - 120	50.2	38.3	12.5	95	mg/L
Magnesium, Total	80 - 120	208	88.1	125	96	mg/L
Manganese, Total	80 - 120	6.57	4.18	2.50	96	mg/L

* Values outside of QC limits

00110

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010B

S-SO-56394-CB-012710-183

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids: 92.32
Laboratory ID: 1000890-PS1
Lab Source ID: 1001382-06

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.040216 g / 4 mL
QC Batch: 1000890
Sequence: 0B03018

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Aluminum, Total	80 - 120	45.4	44.4	1.25	81	mg/L
Barium, Total	80 - 120	1.58	1.35	0.250	94	mg/L
Magnesium, Total	80 - 120	98.6	87.7	12.5	87	mg/L
Nickel, Total	80 - 120	0.394	0.157	0.250	95	mg/L
Sodium, Total	80 - 120	13.3	0.727	12.5	100	mg/L

* Values outside of QC limits

00111

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010B

S-SO-56394-CB-012710-183

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids: 92.32
Laboratory ID: 1000890-PS2
Lab Source ID: 1001382-06

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.0005027 g / 0.05 mL
QC Batch: 1000890
Sequence: 0B03018

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Iron, Total	80 - 120	178	134	50.0	88	mg/L

* Values outside of QC limits

00112

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010B

S-SO-56394-CB-012710-183

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids: 92.32
Laboratory ID: 1000890-PS3
Lab Source ID: 1001382-06

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.010054 g / 1 mL
QC Batch: 1000890
Sequence: 0B03018

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Manganese, Total	80 - 120	4.55	3.34	1.25	97	mg/L

* Values outside of QC limits

: 00113

LCS / LCS DUPLICATE RECOVERY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Laboratory ID: 1000787-BS1

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 50 mL
QC Batch: 1000787
Sequence: 0B02016

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Aluminum, Total	125	129	103	80 - 120	mg/kg dry wt.
Barium, Total	25.0	26.2	105	80 - 120	mg/kg dry wt.
Iron, Total	25.0	26.5	106	80 - 120	mg/kg dry wt.
Magnesium, Total	1250	1320	106	80 - 120	mg/kg dry wt.
Manganese, Total	25.0	26.0	104	80 - 120	mg/kg dry wt.
Nickel, Total	25.0	26.2	105	80 - 120	mg/kg dry wt.
Sodium, Total	1250	1310	105	80 - 120	mg/kg dry wt.

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: 1000890-BS1

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 50 mL
QC Batch: 1000890
Sequence: 0B03018

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Aluminum, Total	125	127	102	80 - 120	mg/kg dry wt.
Barium, Total	25.0	25.9	104	80 - 120	mg/kg dry wt.
Iron, Total	25.0	26.2	105	80 - 120	mg/kg dry wt.
Magnesium, Total	1250	1290	103	80 - 120	mg/kg dry wt.
Manganese, Total	25.0	25.8	103	80 - 120	mg/kg dry wt.
Nickel, Total	25.0	26.0	104	80 - 120	mg/kg dry wt.
Sodium, Total	1250	1290	103	80 - 120	mg/kg dry wt.

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-012610-166

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510

Client: SulTRAC

Project: Plainwell Mill

Matrix: Soil

% Solids: 92.05

Laboratory ID: 0B02016-SRD1

QC Batch: 0B02016

Lab Source ID: 1001350-16

Sequence: 0B02016

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Barium, Total	0.470		0.468		0.0		mg/L	10
Nickel, Total	0.0818		0.0648		21.0 #		mg/L	10
Sodium, Total	0.465	J	0.271	J	42.0 #		mg/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-012610-166

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids: 92.05
Laboratory ID: 0B02016-SRD2
QC Batch: 0B02016
Lab Source ID: 1001350-16
Sequence: 0B02016

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Iron, Total	0.570		0.636		12.0	*	mg/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.

00117

SERIAL DILUTION
USEPA-6010B

S-SO-56394-CB-012610-166

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids: 92.05
Laboratory ID: 0B02016-SRD3
QC Batch: 0B02016
Lab Source ID: 1001350-16
Sequence: 0B02016

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Aluminum, Total	3.83		3.71		3.0		mg/L	10
Magnesium, Total	8.81		8.64		2.0		mg/L	10
Manganese, Total	0.418		0.409		2.0		mg/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.

00118

SERIAL DILUTION

USEPA-6010B

S-SO-56394-CB-012710-183

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510

Client: SulTRAC

Project: Plainwell Mill

Matrix: Soil

% Solids: 92.32

Laboratory ID: 0B03018-SRD1

QC Batch: 0B03018

Lab Source ID: 1001382-06

Sequence: 0B03018

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Aluminum, Total	44.4		43.9		1.0		mg/L	10
Barium, Total	1.35		1.35		0.0		mg/L	10
Magnesium, Total	87.7		87.3		0.0		mg/L	10
Nickel, Total	0.157		0.180		15.0 #		mg/L	10
Sodium, Total	0.727		0.625	J	14.0 #		mg/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-012710-183

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids: 92.32
Laboratory ID: 0B03018-SRD2
QC Batch: 0B03018
Lab Source ID: 1001382-06
Sequence: 0B03018

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Iron, Total	0.671		0.647		4.0		mg/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.

00120

SERIAL DILUTION
USEPA-6010B

S-SO-56394-CB-012710-183

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids: 92.32
Laboratory ID: 0B03018-SRD3
QC Batch: 0B03018
Lab Source ID: 1001382-06
Sequence: 0B03018

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Manganese, Total	0.667		0.674		1.0		mg/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.

00121

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510

Client: SulTRAC Project: Plainwell Mill

Total 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	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-129	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-129	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-129	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-129	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-129	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-129	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-133	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-133	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-133	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-133	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-133	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-133	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-133	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-137	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-137	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-137	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-137	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-137	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-137	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-144	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	

: 00122

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510

Client: SulTRAC Project: Plainwell Mill

Total 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	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-144	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-144	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-144	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-144	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-144	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-DR-012510-1069	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-DR-012510-1069	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-DR-012510-1069	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-DR-012510-1069	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-DR-012510-1069	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-DR-012510-1069	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-DR-012510-1069	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-DR-012510-1059	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-DR-012510-1059	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-DR-012510-1059	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-DR-012510-1059	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-DR-012510-1059	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-DR-012510-1059	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-DR-012510-1059	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-143	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-143	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	

: 00123

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510

Client: SulTRAC Project: Plainwell Mill

Total 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	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-143	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-143	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-143	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012510-143	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-DR-012510-1063	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-DR-012510-1063	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-DR-012510-1063	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-DR-012510-1063	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-DR-012510-1063	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-DR-012510-1063	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-DR-012510-1063	01/25/10	01/26/10		02/03/10	9	NA	02/05/10	11	180	
S-SO-56394-CB-012610-153	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-153	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-153	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-153	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-153	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-153	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-153	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-158	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-158	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-158	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510

Client: SulTRAC

Project: Plainwell Mill

Total 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-012610-158	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-158	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-158	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-158	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-160	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-160	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-160	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-160	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-160	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-160	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-160	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-165	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-165	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-165	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-165	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-165	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-165	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-165	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510

Client: SulTRAC

Project: Plainwell Mill

Total 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-012610-1078	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
SD-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
SD-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
SD-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
SD-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
SD-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
SD-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
SD-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-DR-012610-1075	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-DR-012610-1075	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-DR-012610-1075	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-DR-012610-1075	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-DR-012610-1075	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-DR-012610-1075	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-DR-012610-1075	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-166	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-166	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-166	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-166	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-166	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	

00126

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510

Client: SulTRAC

Project: Plainwell Mill

Total 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-012610-166	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012610-166	01/26/10	01/26/10		02/03/10	8	NA	02/05/10	10	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	

: 00127

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510

Client: SulTRAC

Project: Plainwell Mill

Total 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		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	

: 00128

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510

Client: SulTRAC Project: Plainwell Mill

Total 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-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	

00129

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

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510

Client: SulTRAC Project: Plainwell Mill

ICP-AES Instrument ID: 101 Date: 10-06-09 Time: 13:24

00139

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: PM012510

Client: SulTRAC

Project: Plainwell Mill

ICP-AES Instrument ID: 101

Date: 10-6-09

Time: 13:24

00131

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										

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

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510

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	

69132

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

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510

Client: SulTRAC

Project: Plainwell Mill

ICP-AES Instrument ID: 311

Date: 12-14-09

Time: 12:55PM

00133

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: PM012510

Client: SulTRAC Project: Plainwell Mill

ICP-AES Instrument ID: 101

Analyte	Integration Time (sec)	Date Analyzed	Analyst	Concentration (ug/L)
Aluminum	0.2 - 20	12/1/2009	KLV	500,000
Antimony	0.2 - 20	12/1/2009	KLV	200,000
Arsenic	0.2 - 20	12/1/2009	KLV	200,000
Barium	0.2 - 20	12/1/2009	KLV	5,000
Beryllium	0.2 - 20	12/1/2009	KLV	50,000
Boron	0.2 - 20	12/1/2009	KLV	100,000
Cadmium	0.2 - 20	12/1/2009	KLV	100,000
Calcium	0.2 - 20	12/1/2009	KLV	500,000
Chromium	0.2 - 20	12/1/2009	KLV	500,000
Cobalt	0.2 - 20	12/1/2009	KLV	100,000
Copper	0.2 - 20	12/1/2009	KLV	500,000
Iron	0.2 - 20	12/1/2009	KLV	500,000
Lead	0.2 - 20	12/1/2009	KLV	100,000
Lithium	0.2 - 20	12/1/2009	KLV	50,000
Magnesium	0.2 - 20	12/1/2009	KLV	500,000
Manganese	0.2 - 20	12/1/2009	KLV	100,000
Molybdenum	0.2 - 20	12/1/2009	KLV	100,000
Nickel	0.2 - 20	12/1/2009	KLV	500,000
Potassium	0.2 - 20	12/1/2009	KLV	200,000
Selenium	0.2 - 20	12/1/2009	KLV	200,000
Silicon	0.2 - 20	12/1/2009	KLV	20,000
Silver	0.2 - 20	12/1/2009	KLV	5,000
Sodium	0.2 - 20	12/1/2009	KLV	200,000
Strontium	0.2 - 20	12/1/2009	KLV	2,000
Thallium	0.2 - 20	12/1/2009	KLV	100,000
Tin	0.2 - 20	12/1/2009	KLV	200,000
Titanium	0.2 - 20	12/1/2009	KLV	100,000
Vanadium	0.2 - 20	12/1/2009	KLV	500,000
Zinc	0.2 - 20	12/1/2009	KLV	50,000

Comments:

ICP-AES LINEAR RANGES
USEPA-6010B/200.7

Laboratory: TriMatrix SDG: PM012510

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:

Metals, Soil, 3050B Digestion

091136

Batch comments:
MAS 02/02/10 7:00AM-4:00PM
INST#218@93.2C#222
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments	
1000890-BLK1		Feb-02-10 07:00	MAS	0.5	50					
1000890-BS1		Feb-02-10 07:00	MAS	0.5	50		9100970	250		
1000890-MS1		Feb-02-10 07:00	MAS	0.5052	50	1001382-06	9100970	250		
1000890-MSD1		Feb-02-10 07:00	MAS	0.5146	50	1001382-06	9100970	250		
1000890-PS1		Feb-03-10 07:00	KLV	).04021(	4	1001382-06	9100970	20	[Spk] 0.5027g->50mL; 4mL->4mL; Spikec	
1000890-PS2		Feb-03-10 07:00	KLV	.000502	0.05	1001382-06	9100970	50	[Spk] 0.5027g->50mL; 0.05mL->0.05mL;	
1000890-PS3		Feb-03-10 07:00	KLV	).01005-	1	1001382-06	9100970	25	[Spk] 0.5027g->50mL; 1mL->1mL; Spikec	
1001382-01	A	Feb-02-10 07:00	MAS	0.5077	50	SulTRAC				
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*				
1001382-02	A	Feb-02-10 07:00	MAS	0.5348	50	SulTRAC				
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*				
1001382-03	A	Feb-02-10 07:00	MAS	0.5164	50	SulTRAC				
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*				
1001382-04	A	Feb-02-10 07:00	MAS	0.5221	50	SulTRAC				
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*				
1001382-05	A	Feb-02-10 07:00	MAS	0.5082	50	SulTRAC				
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*				
1001382-06	A	Feb-02-10 07:00	MAS	0.5027	50	SulTRAC				
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*				
1001382-06RE1	A	Feb-02-10 07:00		0.5027	50	SulTRAC			Added for SequenceQC in: 0B03018	Added for SequenceQC in: 0B03018
Fe Total 6010B	*Mn Total 6010B*									
1001382-07	A	Feb-02-10 07:00	MAS	0.5222	50	SulTRAC				
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*				

Comments:

Analyst Initials:

Metals, Soil, 3050B Digestion

091637

Batch comments:

MAS 02/02/10 7:00AM-4:00PM
INST#218@93.2C#222
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1001382-08	A	Feb-02-10 07:00	MAS	0.5366	50	SulTRAC			
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*			
1001382-09	A	Feb-02-10 07:00	MAS	0.5053	50	SulTRAC			
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*			

Comments:	Analyst Initials:

Metals, Soil, 3050B Digestion

00138

Batch comments:

MAS 02/ 03/10 7:00AM-4:00PM
INST#218@93.9C#222
HOTBLOCK VESSEL a905LS269

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client: Source ID	Client: Spike ID	Client: uL Spike	Comments
1000787-BLK1		Feb-03-10 07:00	MAS	0.5	50				
1000787-BS1		Feb-03-10 07:00	MAS	0.5	50		9100970	250	
1000787-MS1		Feb-03-10 07:00	MAS	0.5223	50	1001350-16	9100970	250	
1000787-MSD1		Feb-03-10 07:00	MAS	0.5002	50	1001350-16	9100970	250	
1000787-PS1		Feb-05-10 11:00	JMF	).04137(	4	1001350-16	9050565	20	[Spk] 0.5172g->50mL; 4mL->4mL; Spikec
1000787-PS2		Feb-05-10 11:00	JMF	.000517	0.05	1001350-16	9050565	50	[Spk] 0.5172g->50mL; 0.05mL->0.05mL; :
1000787-PS3		Feb-05-10 11:00	JMF	).01034-	1	1001350-16	9050565	50	[Spk] 0.5172g->50mL; 1mL->1mL; Spikec
1001350-01	A	Feb-03-10 07:00	MAS	0.5048	50	SulTRAC			
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*			
1001350-02	A	Feb-03-10 07:00	MAS	0.519	50	SulTRAC			
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*			
1001350-03	A	Feb-03-10 07:00	MAS	0.5228	50	SulTRAC			
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*			
1001350-04	A	Feb-03-10 07:00	MAS	0.5017	50	SulTRAC			
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*			
1001350-05	A	Feb-03-10 07:00	MAS	0.5098	50	SulTRAC			
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*			
1001350-06	A	Feb-03-10 07:00	MAS	0.5144	50	SulTRAC			
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*			
1001350-07	A	Feb-03-10 07:00	MAS	0.5041	50	SulTRAC			
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*			
1001350-08	A	Feb-03-10 07:00	MAS	0.5204	50	SulTRAC			
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*			

Comments:

Analyst Initials:

Metals, Soil, 3050B Digestion

60139

Batch comments:

MAS 02/ 03/10 7:00AM-4:00PM
INST#218@93.9C#222
HOTBLOCK VESSEL a905LS269

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Client Comments	
1001350-09	A	Feb-03-10 07:00	MAS	0.504	50	SulTRAC				
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*				
1001350-10	A	Feb-03-10 07:00	MAS	0.5082	50	SulTRAC				
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*				
1001350-11	A	Feb-03-10 07:00	MAS	0.5004	50	SulTRAC				
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*				
1001350-12	A	Feb-03-10 07:00	MAS	0.5028	50	SulTRAC				
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*				
1001350-13	A	Feb-03-10 07:00	MAS	0.5032	50	SulTRAC				
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*				
1001350-14	A	Feb-03-10 07:00	MAS	0.5096	50	SulTRAC				
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*				
1001350-15	A	Feb-03-10 07:00	MAS	0.5196	50	SulTRAC				
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*				
1001350-16	A	Feb-03-10 07:00	MAS	0.5172	50	SulTRAC				
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*				

Comments:

Analyst Initials:

Due 2-10

Calib 0B03013

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence

Instrument #: 101
Date: 2-3-10
Analyst: KW

Data File: 0B03018
Calibration BLK/ICB/CCB: 5%HNO3/1109060/10%HCL/4109080
Internal Standard #: 9100599

Autosampler Position:

1. BLK/CCB/9110900
2. STD 1/0010121
3. STD 2/0010122
4. STD3/CCV/0010123
5. STD4/0010124
9. Daily SCV/CCV1/9110901
10. CRL/9120871
11. IFA1/9120872
12. IFA2/0010509
13. IFB1/0010638
14. IFB2/0010510

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	1000890-BLK				35/51				
2/18	BS1				36/52				
3/19	1001382-01				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	MS1				43/59				
10/26	MSD1				44/60				
11/27	SRD1				45/61				
12/28	PS1				46/62				
13/29	1001382-07				47/63				
14/30	08				48/64				
15/31	09				49/65				
16/32	1001382-03			10	50/66				
17/33	-04			10	51/67				
18/34	-05			10	52/68				
19/35	06			200	53/69				
20/36	SRD2			1000	54/70				
21/37	PS2			200	55/71				
22/38	1001382-06			5	56/72				
23/39	SRD3			25	57/73				
24/40	PS3			5	58/74				
25/41	1001382-07			10	59/75				
26/42	-08			10	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				

Method - SOIL_6010C_101
SIF File - 0b03018

Seq #	A/S Loc	ID	Category
1	1	IS Init	IS Init.
2	1	0B03018-CAL1	Calib Blank
3	2	0B03018-CAL2	Calib Std.
4	3	0B03018-CAL3	Calib Std.
5	4	0B03018-CAL4	Calib Std.
6	5	0B03018-CAL5	Calib Std.
7	9	0B03018-SCV1	QC
8	1	0B03018-CCB	QC
9	10	0B03018-CRL1	QC
10	11	0B03018-IFA1	QC
11	12	0B03018-IFA2	QC
12	13	0B03018-IFB1	QC
13	14	0B03018-IFB2	QC
14	4	0B03018-CCV	QC
15	1	0B03018-CCB	QC
16	17	1000890-BLK1	Sample
17	18	1000890-BS1	Sample
18	19	1001382-01	Sample
19	20	1001382-02	Sample
20	21	1001382-03	Sample
21	22	1001382-04	Sample
22	23	1001382-05	Sample
23	24	1001382-06	Sample
24	25	1000890-MS1	Sample
25	26	1000890-MSD1	Sample
26	4	0B03018-CCV	QC
27	1	0B03018-CCB	QC
28	27	0B03018-SRD1	Sample
29	28	1000890-PS1	Sample
30	29	1001382-07	Sample
31	30	1001382-08	Sample
32	31	1001382-09	Sample
33	4	0B03018-CCV	QC
34	1	0B03018-CCB	QC

Calibration Summary
Method: SOIL_6010C_101 Date: 2/3/10 9:27:39 AM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.

Method: SOIL_6010C_101 IEC: IEC-35.IEC MSF:
Results: 0B03018 Spectra Stored: Yes Method Stored: Yes
Sample Info: 0b03018 User: User1 Date: 2/3/10 9:27:39 AM
Method Description: Solid 6010C

Replicate Data
ID: IS Init Date: 2/3/10 9:28:48 AM

Repl#	Element	Net Intensity	Corrected Intensity
1	Sc 357.253	416016.4	416016.4
1	Y 360.064	251883.8	251883.8
2	Sc 357.253	416166.9	416166.9
2	Y 360.064	251877.8	251877.8

Mean Data
ID: IS Init Seq. No.: 1 A/S Pos: 1
Data: Original Date: 2/3/10 9:28:48 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD
Sc 357.253	416091.6	106.46	0.03%
Y 360.064	251880.8	4.25	0.00%

Replicate Data
ID: 0B03018-CAL1 Date: 2/3/10 9:29:46 AM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units
1	Sc 357.253	446132.6	446132.6	107.2	mg/L
1	Y 360.064	272213.8	272213.8	108.1	mg/L
1	Ag 328.068	-192.1	-179.2	0	mg/L
1	Al 396.140	-285.3	-266.1	0	mg/L
1	As 188.979	-2.0	-1.8	0	mg/L
1	B 249.773	108.9	101.6	0	mg/L
1	Ba 455.403	8599.8	8020.7	0	mg/L
1	Be 234.861	95.9	89.5	0	mg/L
1	Ca 315.887	-403.5	-376.3	0	mg/L
1	Cd 214.438	47.2	44.0	0	mg/L
1	Ce 413.765	-241.8	-225.5	0	mg/L
1	Co 228.616	-14.4	-13.5	0	mg/L
1	Cr 205.560	54.3	50.7	0	mg/L
1	Cu 327.394	-105.9	-98.8	0	mg/L
1	Fe 238.204	122.1	113.8	0	mg/L
1	K 766.514	2325.7	2169.1	0	mg/L
1	Li 670.781	363.1	338.6	0	mg/L
1	Mg 279.074	-2.3	-2.2	0	mg/L
1	Mn 257.610	-207.5	-193.6	0	mg/L
1	Mo 202.031	9.2	8.6	0	mg/L
1	Na 589.594	3086.2	2878.3	0	mg/L
1	Ni 231.603	87.0	81.2	0	mg/L
1	Pb 220.353	0.9	0.8	0	mg/L
1	Sb 206.831	0.7	0.7	0	mg/L
1	Se 196.026	78.6	73.3	0	mg/L
1	Si 251.611	1308.7	1220.6	0	mg/L
1	Sn 189.933	-0.7	-0.7	0	mg/L
1	Sr 407.771	725.7	676.8	0	mg/L
1	Ti 334.941	1698.1	1583.7	0	mg/L
1	Tl 190.800	16.9	15.8	0	mg/L
1	V 292.402	-316.0	-294.8	0	mg/L

1	Zn 206.200	-7.0	-6.5	0	mg/L
2	Sc 357.253	413461.1	413461.1	99.4	mg/L
2	Y 360.064	250359.3	250359.3	99.4	mg/L
2	Ag 328.068	-8.8	-8.9	0	mg/L
2	Al 396.140	-99.5	-100.1	0	mg/L
2	As 188.979	-1.5	-1.5	0	mg/L
2	B 249.773	80.7	81.2	0	mg/L
2	Ba 455.403	8448.9	8502.7	0	mg/L
2	Be 234.861	104.2	104.9	0	mg/L
2	Ca 315.887	-344.1	-346.3	0	mg/L
2	Cd 214.438	42.2	42.5	0	mg/L
2	Ce 413.765	-294.1	-296.0	0	mg/L
2	Co 228.616	-13.4	-13.4	0	mg/L
2	Cr 205.560	63.5	63.9	0	mg/L
2	Cu 327.394	-46.5	-46.8	0	mg/L
2	Fe 238.204	112.2	112.9	0	mg/L
2	K 766.514	2158.6	2172.3	0	mg/L
2	Li 670.781	377.6	380.0	0	mg/L
2	Mg 279.074	-27.5	-27.7	0	mg/L
2	Mn 257.610	-215.5	-216.9	0	mg/L
2	Mo 202.031	10.1	10.1	0	mg/L
2	Na 589.594	3151.6	3171.7	0	mg/L
2	Ni 231.603	70.3	70.8	0	mg/L
2	Pb 220.353	-3.3	-3.3	0	mg/L
2	Sb 206.831	11.9	12.0	0	mg/L
2	Se 196.026	74.4	74.8	0	mg/L
2	Si 251.611	1313.5	1321.9	0	mg/L
2	Sn 189.933	-1.1	-1.1	0	mg/L
2	Sr 407.771	701.8	706.3	0	mg/L
2	Ti 334.941	1823.2	1834.8	0	mg/L
2	Tl 190.800	17.1	17.2	0	mg/L
2	V 292.402	-386.3	-388.8	0	mg/L
2	Zn 206.200	5.2	5.3	0	mg/L

Mean Data

ID: 0B03018-CAL1 Seq. No.: 2 A/S Pos: 1
Data: Original Date: 2/3/10 9:29:46 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.253	429796.9	23102.24	5.38%	103.3	mg/L
Y 360.064	261286.5	15453.49	5.91%	103.7	mg/L
Ag 328.068	-94.0	120.40	128.05%	0	mg/L
Al 396.140	-183.1	117.34	64.09%	0	mg/L
As 188.979	-1.7	0.26	15.42%	0	mg/L
B 249.773	91.4	14.43	15.79%	0	mg/L
Ba 455.403	8261.7	340.81	4.13%	0	mg/L
Be 234.861	97.2	10.90	11.21%	0	mg/L
Ca 315.887	-361.3	21.24	5.88%	0	mg/L
Cd 214.438	43.2	1.08	2.49%	0	mg/L
Ce 413.765	-260.7	49.82	19.11%	0	mg/L
Co 228.616	-13.5	0.01	0.06%	0	mg/L
Cr 205.560	57.3	9.39	16.38%	0	mg/L
Cu 327.394	-72.8	36.73	50.46%	0	mg/L
Fe 238.204	113.4	0.67	0.59%	0	mg/L
K 766.514	2170.7	2.24	0.10%	0	mg/L
Li 670.781	359.3	29.29	8.15%	0	mg/L
Mg 279.074	-14.9	18.06	120.82%	0	mg/L
Mn 257.610	-205.2	16.51	8.05%	0	mg/L
Mo 202.031	9.3	1.10	11.83%	0	mg/L
Na 589.594	3025.0	207.40	6.86%	0	mg/L
Ni 231.603	76.0	7.34	9.66%	0	mg/L
Pb 220.353	-1.3	2.96	236.60%	0	mg/L
Sb 206.831	6.4	8.01	125.99%	0	mg/L
Se 196.026	74.1	1.11	1.49%	0	mg/L
Si 251.611	1271.3	71.62	5.63%	0	mg/L
Sn 189.933	-0.9	0.29	32.99%	0	mg/L
Sr 407.771	691.6	20.79	3.01%	0	mg/L
Ti 334.941	1709.3	177.55	10.39%	0	mg/L
Tl 190.800	16.5	0.99	6.02%	0	mg/L
V 292.402	-341.8	66.49	19.45%	0	mg/L

Zn 206.200	-0.6	8.34	>999.9%	0 mg/L

Replicate Data
ID: 0B03018-CAL2 Date: 2/3/10 9:33:06 AM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units
1	Sc 357.253	418590.4	418590.4	100.6	mg/L
1	Y 360.064	253840.2	253840.2	100.8	mg/L
1	Ag 328.068	92.2	91.6	0.005	mg/L
1	Al 396.140	379.2	376.9	0.05	mg/L
1	As 188.979	28.2	28.0	0.1	mg/L
1	Ba 455.403	14806.7	14718.3	0.01	mg/L
1	Be 234.861	182.5	181.4	0.001	mg/L
1	Ca 315.887	4673.2	4645.3	0.5	mg/L
1	Cd 214.438	78.2	77.7	0.005	mg/L
1	Co 228.616	28.5	28.4	0.01	mg/L
1	Cr 205.560	64.3	64.0	0.01	mg/L
1	Cu 327.394	269.3	267.7	0.01	mg/L
1	Fe 238.204	222.1	220.8	0.01	mg/L
1	K 766.514	2455.1	2440.5	0.1	mg/L
1	Li 670.781	1725.0	1714.7	0.008	mg/L
1	Mg 279.074	648.4	644.6	0.5	mg/L
1	Mn 257.610	555.2	551.9	0.010	mg/L
1	Na 589.594	11125.1	11058.6	0.5	mg/L
1	Ni 231.603	106.1	105.5	0.01	mg/L
1	Pb 220.353	6.9	6.8	0.05	mg/L
1	Sb 206.831	30.4	30.2	0.1	mg/L
1	Se 196.026	97.9	97.3	0.1	mg/L
1	Si 251.611	1922.2	1910.7	0.1	mg/L
1	Sn 189.933	8.6	8.5	0.1	mg/L
1	Sr 407.771	70365.3	69945.3	0.05	mg/L
1	Tl 190.800	28.1	27.9	0.1	mg/L
1	V 292.402	-110.6	-110.0	0.01	mg/L
1	Zn 206.200	12.6	12.5	0.01	mg/L
2	Sc 357.253	414791.5	414791.5	99.7	mg/L
2	Y 360.064	251174.4	251174.4	99.7	mg/L
2	Ag 328.068	97.9	98.2	0.005	mg/L
2	Al 396.140	422.0	423.3	0.05	mg/L
2	As 188.979	21.8	21.8	0.1	mg/L
2	Ba 455.403	14725.8	14772.0	0.01	mg/L
2	Be 234.861	173.6	174.1	0.001	mg/L
2	Ca 315.887	4732.2	4747.0	0.5	mg/L
2	Cd 214.438	82.9	83.2	0.005	mg/L
2	Co 228.616	17.4	17.5	0.01	mg/L
2	Cr 205.560	59.0	59.2	0.01	mg/L
2	Cu 327.394	271.3	272.2	0.01	mg/L
2	Fe 238.204	233.6	234.3	0.01	mg/L
2	K 766.514	2400.7	2408.3	0.1	mg/L
2	Li 670.781	1584.1	1589.1	0.008	mg/L
2	Mg 279.074	644.7	646.7	0.5	mg/L
2	Mn 257.610	560.8	562.5	0.010	mg/L
2	Na 589.594	11037.1	11071.7	0.5	mg/L
2	Ni 231.603	96.3	96.6	0.01	mg/L
2	Pb 220.353	4.6	4.6	0.05	mg/L
2	Sb 206.831	26.1	26.2	0.1	mg/L
2	Se 196.026	80.7	81.0	0.1	mg/L
2	Si 251.611	1936.0	1942.1	0.1	mg/L
2	Sn 189.933	9.6	9.6	0.1	mg/L
2	Sr 407.771	70779.1	71001.0	0.05	mg/L
2	Tl 190.800	31.0	31.1	0.1	mg/L
2	V 292.402	-202.2	-202.8	0.01	mg/L
2	Zn 206.200	18.0	18.0	0.01	mg/L

Mean Data
ID: 0B03018-CAL2 Seq. No.: 3 A/S Pos: 2
Data: Original Date: 2/3/10 9:33:06 AM

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

Sc 357.253	416690.9	2686.26	0.64%	100.1 mg/L
Y 360.064	252507.3	1885.01	0.75%	100.2 mg/L
Ag 328.068	94.9	4.67	4.92%	0.005 mg/L
Al 396.140	400.1	32.79	8.19%	0.05 mg/L
As 188.979	24.9	4.35	17.46%	0.1 mg/L
Ba 455.403	14745.1	37.96	0.26%	0.01 mg/L
Be 234.861	177.8	5.18	2.91%	0.001 mg/L
Ca 315.887	4696.1	71.93	1.53%	0.5 mg/L
Cd 214.438	80.5	3.86	4.80%	0.005 mg/L
Co 228.616	22.9	7.68	33.53%	0.01 mg/L
Cr 205.560	61.6	3.37	5.47%	0.01 mg/L
Cu 327.394	270.0	3.14	1.16%	0.01 mg/L
Fe 238.204	227.5	9.56	4.20%	0.01 mg/L
K 766.514	2424.4	22.77	0.94%	0.1 mg/L
Li 670.781	1651.9	88.84	5.38%	0.008 mg/L
Mg 279.074	645.6	1.49	0.23%	0.5 mg/L
Mn 257.610	557.2	7.54	1.35%	0.010 mg/L
Na 589.594	11065.2	9.26	0.08%	0.5 mg/L
Ni 231.603	101.1	6.28	6.22%	0.01 mg/L
Pb 220.353	5.7	1.55	27.02%	0.05 mg/L
Sb 206.831	28.2	2.86	10.13%	0.1 mg/L
Se 196.026	89.1	11.55	12.96%	0.1 mg/L
Si 251.611	1926.4	22.20	1.15%	0.1 mg/L
Sn 189.933	9.1	0.79	8.70%	0.1 mg/L
Sr 407.771	70473.1	746.50	1.06%	0.05 mg/L
Tl 190.800	29.5	2.26	7.65%	0.1 mg/L
V 292.402	-156.4	65.62	41.96%	0.01 mg/L
Zn 206.200	15.2	3.91	25.65%	0.01 mg/L

Replicate Data

ID: 0B03018-CAL3 Date: 2/3/10 9:36:28 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units
1	Sc 357.253	418634.3	418634.3	100.6	mg/L
1	Y 360.064	253882.2	253882.2	100.8	mg/L
1	Ag 328.068	2411.4	2396.8	0.1	mg/L
1	Al 396.140	3713.5	3690.9	0.5	mg/L
1	As 188.979	91.2	90.6	0.5	mg/L
1	B 249.773	1207.7	1200.3	0.100	mg/L
1	Ba 455.403	72062.7	71625.1	0.1	mg/L
1	Be 234.861	977.0	971.0	0.01	mg/L
1	Ca 315.887	9762.5	9703.2	1	mg/L
1	Cd 214.438	712.8	708.4	0.1	mg/L
1	Co 228.616	325.8	323.9	0.1	mg/L
1	Cr 205.560	164.0	163.0	0.1	mg/L
1	Cu 327.394	1445.4	1436.6	0.1	mg/L
1	Fe 238.204	1018.3	1012.1	0.1	mg/L
1	K 766.514	5363.5	5330.9	1	mg/L
1	Li 670.781	16685.7	16584.3	0.1	mg/L
1	Mg 279.074	1176.2	1169.1	1	mg/L
1	Mn 257.610	7369.5	7324.7	0.1	mg/L
1	Mo 202.031	74.2	73.7	0.1	mg/L
1	Na 589.594	18388.4	18276.8	1	mg/L
1	Ni 231.603	252.5	251.0	0.1	mg/L
1	Pb 220.353	23.4	23.3	0.1	mg/L
1	Sb 206.831	113.1	112.4	0.5	mg/L
1	Se 196.026	143.6	142.7	0.5	mg/L
1	Si 251.611	3863.3	3839.8	0.5	mg/L
1	Sn 189.933	47.2	47.0	0.5	mg/L
1	Sr 407.771	142883.4	142015.6	0.1	mg/L
1	Ti 334.941	10859.3	10793.3	0.1	mg/L
1	Tl 190.800	91.1	90.6	0.5	mg/L
1	V 292.402	1162.3	1155.3	0.1	mg/L
1	Zn 206.200	227.5	226.1	0.1	mg/L
2	Sc 357.253	417884.4	417884.4	100.4	mg/L
2	Y 360.064	253269.1	253269.1	100.6	mg/L
2	Ag 328.068	2446.8	2436.3	0.1	mg/L
2	Al 396.140	3714.3	3698.3	0.5	mg/L
2	As 188.979	91.3	90.9	0.5	mg/L

2	B 249.773	1202.9	1197.8	0.100 mg/L
2	Ba 455.403	72345.9	72035.6	0.1 mg/L
2	Be 234.861	1004.3	1000.0	0.01 mg/L
2	Ca 315.887	9943.7	9901.0	1 mg/L
2	Cd 214.438	706.8	703.8	0.1 mg/L
2	Co 228.616	320.9	319.6	0.1 mg/L
2	Cr 205.560	162.9	162.2	0.1 mg/L
2	Cu 327.394	1431.0	1424.9	0.1 mg/L
2	Fe 238.204	1000.1	995.8	0.1 mg/L
2	K 766.514	5402.6	5379.4	1 mg/L
2	Li 670.781	16711.6	16639.9	0.1 mg/L
2	Mg 279.074	1266.4	1261.0	1 mg/L
2	Mn 257.610	7395.8	7364.1	0.1 mg/L
2	Mo 202.031	72.9	72.6	0.1 mg/L
2	Na 589.594	18466.5	18387.3	1 mg/L
2	Ni 231.603	254.7	253.6	0.1 mg/L
2	Pb 220.353	25.4	25.3	0.1 mg/L
2	Sb 206.831	110.4	109.9	0.5 mg/L
2	Se 196.026	142.2	141.6	0.5 mg/L
2	Si 251.611	3921.1	3904.3	0.5 mg/L
2	Sn 189.933	46.3	46.1	0.5 mg/L
2	Sr 407.771	143673.4	143057.0	0.1 mg/L
2	Ti 334.941	10909.2	10862.4	0.1 mg/L
2	Tl 190.800	97.1	96.7	0.5 mg/L
2	V 292.402	1184.0	1179.0	0.1 mg/L
2	Zn 206.200	224.9	224.0	0.1 mg/L

Mean Data

ID: 0B03018-CAL3 Seq. No.: 4 A/S Pos: 3
Data: Original Date: 2/3/10 9:36:28 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.253	418259.3	530.24	0.13%	100.5	mg/L
Y 360.064	253575.6	433.56	0.17%	100.7	mg/L
Ag 328.068	2416.5	27.96	1.16%	0.1	mg/L
Al 396.140	3694.6	5.25	0.14%	0.5	mg/L
As 188.979	90.7	0.18	0.20%	0.5	mg/L
B 249.773	1199.0	1.82	0.15%	0.100	mg/L
Ba 455.403	71830.3	290.26	0.40%	0.1	mg/L
Be 234.861	985.5	20.47	2.08%	0.01	mg/L
Ca 315.887	9802.1	139.85	1.43%	1	mg/L
Cd 214.438	706.1	3.27	0.46%	0.1	mg/L
Co 228.616	321.7	3.04	0.95%	0.1	mg/L
Cr 205.560	162.6	0.58	0.35%	0.1	mg/L
Cu 327.394	1430.7	8.27	0.58%	0.1	mg/L
Fe 238.204	1003.9	11.52	1.15%	0.1	mg/L
K 766.514	5355.2	34.30	0.64%	1	mg/L
Li 670.781	16612.1	39.28	0.24%	0.1	mg/L
Mg 279.074	1215.1	65.00	5.35%	1	mg/L
Mn 257.610	7344.4	27.87	0.38%	0.1	mg/L
Mo 202.031	73.1	0.82	1.11%	0.1	mg/L
Na 589.594	18332.0	78.13	0.43%	1	mg/L
Ni 231.603	252.3	1.89	0.75%	0.1	mg/L
Pb 220.353	24.3	1.40	5.76%	0.1	mg/L
Sb 206.831	111.2	1.74	1.56%	0.5	mg/L
Se 196.026	142.2	0.79	0.55%	0.5	mg/L
Si 251.611	3872.0	45.62	1.18%	0.5	mg/L
Sn 189.933	46.5	0.62	1.34%	0.5	mg/L
Sr 407.771	142536.3	736.39	0.52%	0.1	mg/L
Ti 334.941	10827.9	48.88	0.45%	0.1	mg/L
Tl 190.800	93.6	4.33	4.62%	0.5	mg/L
V 292.402	1167.1	16.74	1.43%	0.1	mg/L
Zn 206.200	225.0	1.54	0.68%	0.1	mg/L

Replicate Data

ID: 0B03018-CAL4 Date: 2/3/10 9:39:53 AM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units
1	Sc 357.253	421111.2	421111.2	101.2	mg/L

1	Y 360.064	254836.1	254836.1	101.2	mg/L
1	Ag 328.068	12644.7	12494.0	0.5	mg/L
1	Al 396.140	19012.3	18785.7	2.5	mg/L
1	As 188.979	447.6	442.3	2.5	mg/L
1	B 249.773	5242.8	5180.3	0.5	mg/L
1	Ba 455.403	319611.7	315802.0	0.5	mg/L
1	Be 234.861	4534.5	4480.4	0.05	mg/L
1	Ca 315.887	49622.3	49030.8	5	mg/L
1	Cd 214.438	3298.1	3258.7	0.5	mg/L
1	Co 228.616	1622.4	1603.1	0.5	mg/L
1	Cr 205.560	605.8	598.6	0.5	mg/L
1	Cu 327.394	7208.7	7122.8	0.5	mg/L
1	Fe 238.204	4642.6	4587.2	0.5	mg/L
1	K 766.514	18444.5	18224.6	5	mg/L
1	Li 670.781	80824.1	79860.7	0.5	mg/L
1	Mg 279.074	6284.1	6209.2	5	mg/L
1	Mn 257.610	37206.0	36762.5	0.5	mg/L
1	Mo 202.031	337.8	333.8	0.5	mg/L
1	Na 589.594	78172.2	77240.4	5	mg/L
1	Ni 231.603	934.6	923.5	0.5	mg/L
1	Pb 220.353	126.9	125.3	0.5	mg/L
1	Sb 206.831	499.9	494.0	2.5	mg/L
1	Se 196.026	414.4	409.5	2.5	mg/L
1	Si 251.611	13729.4	13565.8	2.5	mg/L
1	Sn 189.933	250.3	247.3	2.5	mg/L
1	Sr 407.771	695990.3	687694.3	0.5	mg/L
1	Ti 334.941	47698.8	47130.3	0.5	mg/L
1	Tl 190.800	426.0	420.9	2.5	mg/L
1	V 292.402	7300.1	7213.1	0.5	mg/L
1	Zn 206.200	1080.8	1067.9	0.5	mg/L
2	Sc 357.253	421375.7	421375.7	101.3	mg/L
2	Y 360.064	255220.5	255220.5	101.3	mg/L
2	Ag 328.068	12696.5	12537.3	0.5	mg/L
2	Al 396.140	19157.7	18917.5	2.5	mg/L
2	As 188.979	438.5	433.0	2.5	mg/L
2	B 249.773	5283.6	5217.4	0.5	mg/L
2	Ba 455.403	322079.2	318040.4	0.5	mg/L
2	Be 234.861	4580.7	4523.2	0.05	mg/L
2	Ca 315.887	49940.5	49314.3	5	mg/L
2	Cd 214.438	3304.4	3262.9	0.5	mg/L
2	Co 228.616	1619.2	1598.9	0.5	mg/L
2	Cr 205.560	599.7	592.2	0.5	mg/L
2	Cu 327.394	7270.9	7179.7	0.5	mg/L
2	Fe 238.204	4615.3	4557.4	0.5	mg/L
2	K 766.514	18405.3	18174.5	5	mg/L
2	Li 670.781	81152.6	80134.9	0.5	mg/L
2	Mg 279.074	6299.2	6220.2	5	mg/L
2	Mn 257.610	37492.3	37022.2	0.5	mg/L
2	Mo 202.031	340.2	336.0	0.5	mg/L
2	Na 589.594	78818.9	77830.5	5	mg/L
2	Ni 231.603	939.5	927.7	0.5	mg/L
2	Pb 220.353	134.6	132.9	0.5	mg/L
2	Sb 206.831	508.0	501.6	2.5	mg/L
2	Se 196.026	413.1	407.9	2.5	mg/L
2	Si 251.611	14048.5	13872.4	2.5	mg/L
2	Sn 189.933	247.8	244.7	2.5	mg/L
2	Sr 407.771	701293.6	692499.4	0.5	mg/L
2	Ti 334.941	47871.9	47271.6	0.5	mg/L
2	Tl 190.800	426.3	421.0	2.5	mg/L
2	V 292.402	7369.3	7276.9	0.5	mg/L
2	Zn 206.200	1097.5	1083.7	0.5	mg/L

Mean Data

ID: 0B03018-CAL4 Seq. No.: 5 A/S Pos: 4

Data: Original Date: 2/3/10 9:39:53 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.253	421243.4	187.04	0.04%	101.2	mg/L
Y 360.064	255028.3	271.80	0.11%	101.2	mg/L
Ag 328.068	12515.7	30.59	0.24%	0.5	mg/L

Al 396.140	18851.6	93.21	0.49%	2.5 mg/L
As 188.979	437.6	6.55	1.50%	2.5 mg/L
B 249.773	5198.8	26.18	0.50%	0.5 mg/L
Ba 455.403	316921.2	1582.76	0.50%	0.5 mg/L
Be 234.861	4501.8	30.25	0.67%	0.05 mg/L
Ca 315.887	49172.5	200.42	0.41%	5 mg/L
Cd 214.438	3260.8	2.96	0.09%	0.5 mg/L
Co 228.616	1601.0	2.96	0.19%	0.5 mg/L
Cr 205.560	595.4	4.51	0.76%	0.5 mg/L
Cu 327.394	7151.2	40.22	0.56%	0.5 mg/L
Fe 238.204	4572.3	21.11	0.46%	0.5 mg/L
K 766.514	18199.6	35.46	0.19%	5 mg/L
Li 670.781	79997.8	193.93	0.24%	0.5 mg/L
Mg 279.074	6214.7	7.81	0.13%	5 mg/L
Mn 257.610	36892.4	183.61	0.50%	0.5 mg/L
Mo 202.031	334.9	1.52	0.45%	0.5 mg/L
Na 589.594	77535.5	417.31	0.54%	5 mg/L
Ni 231.603	925.6	3.01	0.32%	0.5 mg/L
Pb 220.353	129.1	5.36	4.15%	0.5 mg/L
Sb 206.831	497.8	5.43	1.09%	2.5 mg/L
Se 196.026	408.7	1.09	0.27%	2.5 mg/L
Si 251.611	13719.1	216.81	1.58%	2.5 mg/L
Sn 189.933	246.0	1.85	0.75%	2.5 mg/L
Sr 407.771	690096.9	3397.70	0.49%	0.5 mg/L
Ti 334.941	47200.9	99.91	0.21%	0.5 mg/L
Tl 190.800	420.9	0.05	0.01%	2.5 mg/L
V 292.402	7245.0	45.11	0.62%	0.5 mg/L
Zn 206.200	1075.8	11.17	1.04%	0.5 mg/L

Replicate Data

ID: 0B03018-CAL5 Date: 2/3/10 9:43:21 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units
1	Sc 357.253	422054.6	422054.6	101.4	mg/L
1	Y 360.064	255454.1	255454.1	101.4	mg/L
1	Ag 328.068	25244.1	24887.4	1	mg/L
1	Al 396.140	37718.2	37185.3	5	mg/L
1	As 188.979	874.0	861.7	5	mg/L
1	B 249.773	10470.9	10323.0	1	mg/L
1	Ba 455.403	628520.4	619640.4	1	mg/L
1	Be 234.861	9022.1	8894.7	0.1	mg/L
1	Ca 315.887	99917.2	98505.6	10	mg/L
1	Cd 214.438	6595.4	6502.2	1	mg/L
1	Ce 413.765	6482.2	6390.6	1	mg/L
1	Co 228.616	3259.6	3213.6	1	mg/L
1	Cr 205.560	1171.9	1155.3	1	mg/L
1	Cu 327.394	14442.7	14238.7	1	mg/L
1	Fe 238.204	9031.9	8904.3	1	mg/L
1	K 766.514	34365.5	33880.0	10	mg/L
1	Li 670.781	160472.2	158205.0	1	mg/L
1	Mg 279.074	12520.8	12343.9	10	mg/L
1	Mn 257.610	74647.1	73592.4	1	mg/L
1	Mo 202.031	670.1	660.7	1	mg/L
1	Na 589.594	153052.6	150890.2	10	mg/L
1	Ni 231.603	1790.2	1764.9	1	mg/L
1	Pb 220.353	265.1	261.3	1	mg/L
1	Sb 206.831	1002.3	988.2	5	mg/L
1	Se 196.026	748.0	737.4	5	mg/L
1	Si 251.611	25956.7	25589.9	5	mg/L
1	Sn 189.933	495.9	488.9	5	mg/L
1	Sr 407.771	1384861.8	1365295.9	1	mg/L
1	Ti 334.941	94193.4	92862.6	1	mg/L
1	Tl 190.800	815.9	804.3	5	mg/L
1	V 292.402	14981.4	14769.8	1	mg/L
1	Zn 206.200	2180.2	2149.4	1	mg/L
2	Sc 357.253	423261.1	423261.1	101.7	mg/L
2	Y 360.064	256151.5	256151.5	101.7	mg/L
2	Ag 328.068	25130.6	24704.9	1	mg/L
2	Al 396.140	37640.7	37003.1	5	mg/L

2 As 188.979	868.1	853.4	5	mg/L
2 B 249.773	10561.9	10383.0	1	mg/L
2 Ba 455.403	634115.7	623374.7	1	mg/L
2 Be 234.861	9064.2	8910.7	0.1	mg/L
2 Ca 315.887	99698.9	98010.2	10	mg/L
2 Cd 214.438	6580.4	6469.0	1	mg/L
2 Ce 413.765	6435.0	6326.0	1	mg/L
2 Co 228.616	3301.7	3245.8	1	mg/L
2 Cr 205.560	1167.8	1148.0	1	mg/L
2 Cu 327.394	14424.4	14180.1	1	mg/L
2 Fe 238.204	9104.2	8950.0	1	mg/L
2 K 766.514	34527.2	33942.4	10	mg/L
2 Li 670.781	161635.8	158897.9	1	mg/L
2 Mg 279.074	12485.8	12274.3	10	mg/L
2 Mn 257.610	74633.1	73368.9	1	mg/L
2 Mo 202.031	677.0	665.5	1	mg/L
2 Na 589.594	153844.7	151238.7	10	mg/L
2 Ni 231.603	1781.5	1751.3	1	mg/L
2 Pb 220.353	263.2	258.7	1	mg/L
2 Sb 206.831	986.4	969.7	5	mg/L
2 Se 196.026	738.2	725.7	5	mg/L
2 Si 251.611	26255.5	25810.7	5	mg/L
2 Sn 189.933	492.3	484.0	5	mg/L
2 Sr 407.771	1398133.3	1374450.8	1	mg/L
2 Ti 334.941	93913.1	92322.3	1	mg/L
2 Tl 190.800	833.3	819.2	5	mg/L
2 V 292.402	14972.2	14718.6	1	mg/L
2 Zn 206.200	2172.2	2135.4	1	mg/L

Mean Data

ID: 0B03018-CAL5 Seq. No.: 6 A/S Pos: 5
Data: Original Date: 2/3/10 9:43:21 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.253	422657.8	853.13	0.20%	101.6	mg/L
Y 360.064	255802.8	493.14	0.19%	101.6	mg/L
Ag 328.068	24796.2	129.04	0.52%	1	mg/L
Al 396.140	37094.2	128.78	0.35%	5	mg/L
As 188.979	857.6	5.83	0.68%	5	mg/L
B 249.773	10353.0	42.44	0.41%	1	mg/L
Ba 455.403	621507.5	2640.52	0.42%	1	mg/L
Be 234.861	8902.7	11.35	0.13%	0.1	mg/L
Ca 315.887	98257.9	350.31	0.36%	10	mg/L
Cd 214.438	6485.6	23.48	0.36%	1	mg/L
Ce 413.765	6358.3	45.70	0.72%	1	mg/L
Co 228.616	3229.7	22.75	0.70%	1	mg/L
Cr 205.560	1151.7	5.16	0.45%	1	mg/L
Cu 327.394	14209.4	41.44	0.29%	1	mg/L
Fe 238.204	8927.1	32.34	0.36%	1	mg/L
K 766.514	33911.2	44.10	0.13%	10	mg/L
Li 670.781	158551.5	489.96	0.31%	1	mg/L
Mg 279.074	12309.1	49.22	0.40%	10	mg/L
Mn 257.610	73480.6	158.07	0.22%	1	mg/L
Mo 202.031	663.1	3.43	0.52%	1	mg/L
Na 589.594	151064.5	246.48	0.16%	10	mg/L
Ni 231.603	1758.1	9.62	0.55%	1	mg/L
Pb 220.353	260.0	1.83	0.70%	1	mg/L
Sb 206.831	978.9	13.06	1.33%	5	mg/L
Se 196.026	731.6	8.29	1.13%	5	mg/L
Si 251.611	25700.3	156.13	0.61%	5	mg/L
Sn 189.933	486.5	3.48	0.72%	5	mg/L
Sr 407.771	1369873.3	6473.54	0.47%	1	mg/L
Ti 334.941	92592.4	382.03	0.41%	1	mg/L
Tl 190.800	811.8	10.54	1.30%	5	mg/L
V 292.402	14744.2	36.17	0.25%	1	mg/L
Zn 206.200	2142.4	9.94	0.46%	1	mg/L

Calibration Summary

Method: SOIL_6010C_101 Date: 2/3/10 9:44:08 AM

Corr.

Element	Stds	Equation	Intercept	Slope	Curvature	Coeff.
Ag 328.068	4	Linear	-45.8	24896.0	0.00000	0.999979
Al 396.140	4	Linear	-19.4	7447.8	0.00000	0.999947
As 188.979	4	Linear	4.6	171.1	0.00000	0.999922
B 249.773	3	Linear	123.2	10218.4	0.00000	0.999960
Ba 455.403	4	Linear	9294.4	612915.3	0.00000	0.999991
Be 234.861	4	Linear	97.2	88067.8	0.00000	0.999999
Ca 315.887	4	Linear	-200.2	9852.6	0.00000	0.999995
Cd 214.438	4	Linear	50.0	6433.8	0.00000	0.999996
Ce 413.765	1	Linear	-260.7	6619.0	0.00000	1.000000
Co 228.616	4	Linear	-9.8	3236.5	0.00000	0.999991
Cr 205.560	4	Linear	52.7	1096.2	0.00000	0.999965
Cu 327.394	4	Linear	26.8	14195.4	0.00000	0.999929
Fe 238.204	4	Linear	131.2	8812.5	0.00000	0.999983
K 766.514	4	Linear	2171.9	3180.2	0.00000	0.999984
Li 670.781	4	Linear	563.3	158181.6	0.00000	0.999992
Mg 279.074	4	Linear	7.1	1232.4	0.00000	0.999981
Mn 257.610	4	Linear	-111.7	73682.0	0.00000	0.999993
Mo 202.031	3	Linear	8.4	654.3	0.00000	0.999996
Na 589.594	4	Linear	3448.4	14774.6	0.00000	0.999990
Ni 231.603	4	Linear	82.2	1678.3	0.00000	0.999983
Pb 220.353	4	Linear	-3.5	263.8	0.00000	0.999767
Sb 206.831	4	Linear	10.0	194.1	0.00000	0.999971
Se 196.026	4	Linear	76.1	131.5	0.00000	0.999963
Si 251.611	4	Linear	1402.6	4873.6	0.00000	0.999952
Sn 189.933	4	Linear	-0.8	97.7	0.00000	0.999970
Sr 407.771	4	Linear	3219.1	1368227.8	0.00000	0.999991
Ti 334.941	3	Linear	1732.0	90876.6	0.00000	1.000000
Tl 190.800	4	Linear	15.7	159.8	0.00000	0.999946
V 292.402	4	Linear	-324.7	15081.9	0.00000	0.999994
Zn 206.200	4	Linear	1.5	2143.2	0.00000	0.999976

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

ID: 0B03018-SCV1 Date: 2/3/10 9:46:48 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	421498.9	421498.9	101.3	mg/L		
1	Y 360.064	255051.9	255051.9	101.3	mg/L		
1	Ag 328.068	12507.2	12346.7	0.497770	mg/L		
1	Al 396.140	18834.3	18592.7	2.49902	mg/L		
1	As 188.979	446.8	441.1	2.55032	mg/L		
1	B 249.773	5336.4	5268.0	0.503480	mg/L		
1	Ba 455.403	323753.2	319599.9	0.506278	mg/L		
1	Be 234.861	4611.6	4552.5	0.0505889	mg/L		
1	Ca 315.887	50526.0	49877.8	5.08050	mg/L		
1	Cd 214.438	3370.9	3327.6	0.509439	mg/L		
1	Ce 413.765	-167.2	-165.0	0.0144611	mg/L		
1	Co 228.616	1641.6	1620.5	0.503718	mg/L		
1	Cr 205.560	637.7	629.6	0.526194	mg/L		
1	Cu 327.394	7418.0	7322.9	0.513975	mg/L		
1	Fe 238.204	4695.1	4634.8	0.511047	mg/L		
1	K 766.514	18332.6	18097.4	5.00857	mg/L		
1	Li 670.781	82232.1	81177.2	0.509628	mg/L		
1	Mg 279.074	6393.1	6311.0	5.11505	mg/L		
1	Mn 257.610	37586.5	37104.3	0.505090	mg/L		
1	Mo 202.031	348.2	343.8	0.512581	mg/L		
1	Na 589.594	79463.3	78443.9	5.07484	mg/L		
1	Ni 231.603	958.9	946.6	0.515042	mg/L		
1	Pb 220.353	140.6	138.8	0.539354	mg/L		
1	Sb 206.831	414.6	409.3	2.05693	mg/L		
1	Se 196.026	412.3	407.0	2.51677	mg/L		
1	Si 251.611	14151.4	13969.9	2.57864	mg/L		
1	Sn 189.933	256.0	252.7	2.59504	mg/L		
1	Sr 407.771	719707.0	710474.1	0.516913	mg/L		
1	Ti 334.941	48238.7	47619.9	0.504947	mg/L		
1	Tl 190.800	437.5	431.9	2.60512	mg/L		
1	V 292.402	7386.7	7291.9	0.505023	mg/L		
1	Zn 206.200	1101.6	1087.5	0.506738	mg/L		

2 Sc 357.253	419034.4	419034.4	100.7	mg/L
2 Y 360.064	253390.0	253390.0	100.6	mg/L
2 Ag 328.068	12617.9	12529.3	0.505104	mg/L
2 Al 396.140	18990.3	18856.9	2.53449	mg/L
2 As 188.979	431.8	428.7	2.47826	mg/L
2 B 249.773	5414.4	5376.4	0.514091	mg/L
2 Ba 455.403	324973.4	322691.2	0.511322	mg/L
2 Be 234.861	4599.6	4567.3	0.0507574	mg/L
2 Ca 315.887	51163.4	50804.1	5.17457	mg/L
2 Cd 214.438	3343.0	3319.6	0.508187	mg/L
2 Ce 413.765	-62.4	-62.0	0.0300236	mg/L
2 Co 228.616	1620.2	1608.8	0.500112	mg/L
2 Cr 205.560	627.9	623.5	0.520694	mg/L
2 Cu 327.394	7405.0	7353.0	0.516099	mg/L
2 Fe 238.204	4739.3	4706.0	0.519125	mg/L
2 K 766.514	18331.6	18202.8	5.04174	mg/L
2 Li 670.781	82770.1	82188.8	0.516024	mg/L
2 Mg 279.074	6412.9	6367.9	5.16113	mg/L
2 Mn 257.610	38088.5	37821.1	0.514817	mg/L
2 Mo 202.031	336.8	334.4	0.498316	mg/L
2 Na 589.594	79512.7	78954.3	5.10942	mg/L
2 Ni 231.603	963.2	956.4	0.520879	mg/L
2 Pb 220.353	131.2	130.3	0.507059	mg/L
2 Sb 206.831	398.0	395.2	1.98433	mg/L
2 Se 196.026	404.8	402.0	2.47847	mg/L
2 Si 251.611	14569.5	14467.2	2.68069	mg/L
2 Sn 189.933	247.9	246.2	2.52818	mg/L
2 Sr 407.771	722200.7	717129.0	0.521777	mg/L
2 Ti 334.941	48692.1	48350.2	0.512984	mg/L
2 Tl 190.800	424.0	421.1	2.53756	mg/L
2 V 292.402	7421.3	7369.2	0.510149	mg/L
2 Zn 206.200	1098.0	1090.3	0.508020	mg/L

Mean Data

ID: 0B03018-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: 2/3/10 9:46:48 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	420266.6	101.0	0.42	mg/L				0.41%
Y 360.064	254221.0	100.9	0.47	mg/L				0.46%
Ag 328.068	12438.0	0.501437	0.0051854	mg/L				1.03%
Al 396.140	18724.8	2.51676	0.025081	mg/L				1.00%
As 188.979	434.9	2.51429	0.050955	mg/L				2.03%
B 249.773	5322.2	0.508786	0.0075033	mg/L				1.47%
Ba 455.403	321145.6	0.508800	0.0035664	mg/L				0.70%
Be 234.861	4559.9	0.0506731	0.00011914	mg/L				0.24%
Ca 315.887	50341.0	5.12754	0.066514	mg/L				1.30%
Cd 214.438	3323.6	0.508813	0.0008858	mg/L				0.17%
Ce 413.765	-113.5	0.0222423	0.01100435	mg/L				49.47%
Co 228.616	1614.7	0.501915	0.0025496	mg/L				0.51%
Cr 205.560	626.5	0.523444	0.0038890	mg/L				0.74%
Cu 327.394	7337.9	0.515037	0.0015021	mg/L				0.29%
Fe 238.204	4670.4	0.515086	0.0057123	mg/L				1.11%
K 766.514	18150.1	5.02515	0.023456	mg/L				0.47%
Li 670.781	81683.0	0.512826	0.0045224	mg/L				0.88%
Mg 279.074	6339.5	5.13809	0.032584	mg/L				0.63%
Mn 257.610	37462.7	0.509954	0.0068784	mg/L				1.35%
Mo 202.031	339.1	0.505448	0.0100869	mg/L				2.00%
Na 589.594	78699.1	5.09213	0.024449	mg/L				0.48%
Ni 231.603	951.5	0.517961	0.0041272	mg/L				0.80%
Pb 220.353	134.5	0.523207	0.0228359	mg/L				4.36%
Sb 206.831	402.3	2.02063	0.051337	mg/L				2.54%
*QC exceeds lower limit for Sb 206.831 Recovery = 80.83% Action = Continue								
Se 196.026	404.5	2.49762	0.027085	mg/L				1.08%
Si 251.611	14218.5	2.62966	0.072157	mg/L				2.74%
Sn 189.933	249.4	2.56161	0.047280	mg/L				1.85%
Sr 407.771	713801.5	0.519345	0.0034393	mg/L				0.66%
Ti 334.941	47985.0	0.508965	0.0056827	mg/L				1.12%
Tl 190.800	426.5	2.57134	0.047774	mg/L				1.86%
V 292.402	7330.6	0.507586	0.0036247	mg/L				0.71%

Zn 206.200 1088.9 0.507379 0.0009065 mg/L 0.18%

Replicate Data

ID: 0B03018-CCB Date: 2/3/10 9:50:11 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	412680.8	412680.8	99.2	mg/L		
1	Y 360.064	249547.2	249547.2	99.1	mg/L		
1	Ag 328.068	-27.6	-27.8	0.0007209	mg/L		
1	Al 396.140	11.7	11.8	0.0041992	mg/L		
1	As 188.979	2.0	2.0	-0.0153807	mg/L		
1	B 249.773	201.8	203.4	0.0078522	mg/L		
1	Ba 455.403	8522.2	8592.7	-0.0011450	mg/L		
1	Be 234.861	88.8	89.5	-0.0000870	mg/L		
1	Ca 315.887	-479.6	-483.5	-0.0287553	mg/L		
1	Cd 214.438	39.4	39.7	-0.0015962	mg/L		
1	Ce 413.765	-212.4	-214.1	0.0070395	mg/L		
1	Co 228.616	-0.9	-1.0	0.0027303	mg/L		
1	Cr 205.560	61.1	61.6	0.0081154	mg/L		
1	Cu 327.394	-107.3	-108.2	-0.0095104	mg/L		
1	Fe 238.204	132.4	133.4	0.0002528	mg/L		
1	K 766.514	2085.5	2102.8	-0.0217274	mg/L		
1	Li 670.781	366.4	369.4	-0.0012256	mg/L		
1	Mg 279.074	36.6	36.9	0.0241781	mg/L		
1	Mn 257.610	-208.3	-210.0	-0.0013333	mg/L		
1	Mo 202.031	3.7	3.7	-0.0071266	mg/L		
1	Na 589.594	3191.8	3218.2	-0.0155804	mg/L		
1	Ni 231.603	95.1	95.9	0.0081405	mg/L		
1	Pb 220.353	-2.7	-2.7	0.0027497	mg/L		
1	Sb 206.831	7.9	8.0	-0.0106989	mg/L		
1	Se 196.026	75.7	76.4	0.0018224	mg/L		
1	Si 251.611	1505.4	1517.8	0.0236416	mg/L		
1	Sn 189.933	-2.1	-2.1	-0.0136164	mg/L		
1	Sr 407.771	632.6	637.9	-0.0018865	mg/L		
1	Ti 334.941	1741.6	1756.0	0.0002637	mg/L		
1	Tl 190.800	21.6	21.7	0.0379994	mg/L		
1	V 292.402	-362.4	-365.4	-0.0026951	mg/L		
1	Zn 206.200	-4.6	-4.7	-0.0028689	mg/L		
2	Sc 357.253	412695.9	412695.9	99.2	mg/L		
2	Y 360.064	249564.2	249564.2	99.1	mg/L		
2	Ag 328.068	-74.2	-74.8	-0.0011680	mg/L		
2	Al 396.140	-64.1	-64.6	-0.0060673	mg/L		
2	As 188.979	16.0	16.1	0.0673181	mg/L		
2	B 249.773	178.0	179.4	0.0055022	mg/L		
2	Ba 455.403	8549.3	8619.6	-0.0011010	mg/L		
2	Be 234.861	93.8	94.6	-0.0000295	mg/L		
2	Ca 315.887	-435.4	-439.0	-0.0242300	mg/L		
2	Cd 214.438	49.5	49.9	-0.0000088	mg/L		
2	Ce 413.765	-188.5	-190.0	0.0106792	mg/L		
2	Co 228.616	-18.8	-19.0	-0.0028338	mg/L		
2	Cr 205.560	54.1	54.5	0.0016325	mg/L		
2	Cu 327.394	-50.6	-51.0	-0.0054821	mg/L		
2	Fe 238.204	129.7	130.7	-0.0000535	mg/L		
2	K 766.514	2091.4	2108.7	-0.0198797	mg/L		
2	Li 670.781	397.5	400.7	-0.0010278	mg/L		
2	Mg 279.074	-14.4	-14.5	-0.0175695	mg/L		
2	Mn 257.610	-213.5	-215.3	-0.0014052	mg/L		
2	Mo 202.031	-0.0	-0.0	-0.0128405	mg/L		
2	Na 589.594	2971.9	2996.3	-0.0305976	mg/L		
2	Ni 231.603	83.1	83.8	0.0009286	mg/L		
2	Pb 220.353	-9.7	-9.8	-0.0240868	mg/L		
2	Sb 206.831	5.1	5.1	-0.0252502	mg/L		
2	Se 196.026	81.4	82.0	0.0448377	mg/L		
2	Si 251.611	1460.5	1472.6	0.0143536	mg/L		
2	Sn 189.933	1.0	1.0	0.0183342	mg/L		
2	Sr 407.771	632.1	637.3	-0.0018870	mg/L		
2	Ti 334.941	1932.9	1948.8	0.0023861	mg/L		
2	Tl 190.800	22.9	23.0	0.0461891	mg/L		
2	V 292.402	-377.4	-380.5	-0.0036995	mg/L		

2 Zn 206.200	-15.6	-15.8	-0.0080454	mg/L

Mean Data

ID: 0B03018-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: 2/3/10 9:50:11 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	412688.3	99.2	0.00	mg/L				0.00%
Y 360.064	249555.7	99.1	0.00	mg/L				0.00%
Ag 328.068	-51.3	-0.0002235	0.00133564	mg/L				597.51%
Al 396.140	-26.4	-0.0009340	0.00725954	mg/L				777.22%
As 188.979	9.0	0.0259687	0.05847688	mg/L				225.18%
B 249.773	191.4	0.0066772	0.00166168	mg/L				24.89%
Ba 455.403	8606.1	-0.0011230	0.00003109	mg/L				2.77%
Be 234.861	92.1	-0.0000582	0.00004064	mg/L				69.80%
Ca 315.887	-461.3	-0.0264927	0.00319989	mg/L				12.08%
Cd 214.438	44.8	-0.0008025	0.00112246	mg/L				139.87%
Ce 413.765	-202.1	0.0088593	0.00257367	mg/L				29.05%
Co 228.616	-10.0	-0.0000517	0.00393442	mg/L				>999.9%
Cr 205.560	58.1	0.0048740	0.00458408	mg/L				94.05%
Cu 327.394	-79.6	-0.0074962	0.00284846	mg/L				38.00%
Fe 238.204	132.1	0.0000997	0.00021661	mg/L				217.33%
K 766.514	2105.7	-0.0208035	0.00130648	mg/L				6.28%
Li 670.781	385.1	-0.0011267	0.00013987	mg/L				12.41%
Mg 279.074	11.2	0.0033043	0.02952001	mg/L				893.38%
Mn 257.610	-212.6	-0.0013692	0.00005081	mg/L				3.71%
Mo 202.031	1.9	-0.0099835	0.00404031	mg/L				40.47%
Na 589.594	3107.2	-0.0230890	0.01061878	mg/L				45.99%
Ni 231.603	89.8	0.0045345	0.00509956	mg/L				112.46%
Pb 220.353	-6.3	-0.0106686	0.01897629	mg/L				177.87%
Sb 206.831	6.6	-0.0179745	0.01028934	mg/L				57.24%
Se 196.026	79.2	0.0233301	0.03041640	mg/L				130.37%
Si 251.611	1495.2	0.0189976	0.00656759	mg/L				34.57%
Sn 189.933	-0.6	0.0023589	0.02259251	mg/L				957.77%
Sr 407.771	637.6	-0.0018867	0.00000030	mg/L				0.02%
Ti 334.941	1852.4	0.0013249	0.00150079	mg/L				113.28%
Tl 190.800	22.4	0.0420943	0.00579100	mg/L				13.76%
V 292.402	-373.0	-0.0031973	0.00071018	mg/L				22.21%
Zn 206.200	-10.2	-0.0054571	0.00366029	mg/L				67.07%

Replicate Data

ID: 0B03018-CRL1 Date: 2/3/10 9:53:31 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	413711.0	413711.0	99.4	mg/L		
1	Y 360.064	250470.9	250470.9	99.4	mg/L		
1	Ag 328.068	210.6	211.8	0.0103454	mg/L		
1	Al 396.140	1056.7	1062.8	0.145308	mg/L		
1	As 188.979	43.2	43.4	0.226840	mg/L		
1	B 249.773	1239.0	1246.1	0.109893	mg/L		
1	Ba 455.403	21717.8	21842.8	0.0204732	mg/L		
1	Be 234.861	275.0	276.6	0.0020366	mg/L		
1	Ca 315.887	10215.9	10274.7	1.06266	mg/L		
1	Cd 214.438	123.8	124.5	0.0115861	mg/L		
1	Ce 413.765	-207.2	-208.4	0.0079111	mg/L		
1	Co 228.616	44.5	44.8	0.0168601	mg/L		
1	Cr 205.560	86.3	86.8	0.0310801	mg/L		
1	Cu 327.394	228.5	229.8	0.0143047	mg/L		
1	Fe 238.204	297.1	298.8	0.0190183	mg/L		
1	K 766.514	2840.5	2856.8	0.215367	mg/L		
1	Li 670.781	3047.4	3064.9	0.0158150	mg/L		
1	Mg 279.074	1254.3	1261.6	1.01791	mg/L		
1	Mn 257.610	1393.0	1401.0	0.0205309	mg/L		
1	Mo 202.031	136.3	137.1	0.196639	mg/L		
1	Na 589.594	18918.8	19027.6	1.05447	mg/L		
1	Ni 231.603	133.8	134.6	0.0312251	mg/L		
1	Pb 220.353	17.7	17.8	0.0807201	mg/L		
1	Sb 206.831	35.8	36.0	0.133935	mg/L		

1	Se 196.026	113.1	113.7	0.286131	mg/L
1	Si 251.611	2433.2	2447.2	0.214337	mg/L
1	Sn 189.933	20.1	20.2	0.214984	mg/L
1	Sr 407.771	147241.3	148088.5	0.105881	mg/L
1	Ti 334.941	19868.7	19983.0	0.200833	mg/L
1	Tl 190.800	49.7	50.0	0.215111	mg/L
1	V 292.402	53.1	53.4	0.0250722	mg/L
1	Zn 206.200	44.9	45.2	0.0203899	mg/L
2	Sc 357.253	411779.3	411779.3	99.0	mg/L
2	Y 360.064	249392.2	249392.2	99.0	mg/L
2	Ag 328.068	230.9	233.3	0.0112100	mg/L
2	Al 396.140	1040.4	1051.3	0.143764	mg/L
2	As 188.979	36.9	37.3	0.190893	mg/L
2	B 249.773	1240.3	1253.3	0.110595	mg/L
2	Ba 455.403	21424.4	21648.8	0.0201567	mg/L
2	Be 234.861	280.5	283.4	0.0021145	mg/L
2	Ca 315.887	10358.7	10467.2	1.08270	mg/L
2	Cd 214.438	129.2	130.6	0.0125290	mg/L
2	Ce 413.765	-97.6	-98.6	0.0244895	mg/L
2	Co 228.616	58.3	58.9	0.0212153	mg/L
2	Cr 205.560	86.8	87.7	0.0318743	mg/L
2	Cu 327.394	257.4	260.1	0.0164365	mg/L
2	Fe 238.204	306.1	309.3	0.0202129	mg/L
2	K 766.514	2787.0	2816.1	0.202583	mg/L
2	Li 670.781	3050.9	3082.9	0.0159283	mg/L
2	Mg 279.074	1319.0	1332.8	1.07571	mg/L
2	Mn 257.610	1324.6	1338.5	0.0196821	mg/L
2	Mo 202.031	132.8	134.2	0.192315	mg/L
2	Na 589.594	19141.5	19341.9	1.07574	mg/L
2	Ni 231.603	117.6	118.9	0.0218557	mg/L
2	Pb 220.353	25.7	26.0	0.111699	mg/L
2	Sb 206.831	37.7	38.1	0.144493	mg/L
2	Se 196.026	98.7	99.7	0.179418	mg/L
2	Si 251.611	2438.9	2464.5	0.217883	mg/L
2	Sn 189.933	19.7	19.9	0.212518	mg/L
2	Sr 407.771	148024.7	149574.9	0.106967	mg/L
2	Ti 334.941	20103.2	20313.7	0.204472	mg/L
2	Tl 190.800	47.3	47.8	0.201261	mg/L
2	V 292.402	-59.4	-60.1	0.0175485	mg/L
2	Zn 206.200	40.3	40.7	0.0182971	mg/L

Mean Data

ID: 0B03018-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: 2/3/10 9:53:31 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	412745.2	99.2	0.33	mg/L				0.33%
Y 360.064	249931.6	99.2	0.30	mg/L				0.31%
Ag 328.068	222.6	0.0107777	0.00061139	mg/L				5.67%
Al 396.140	1057.0	0.144536	0.0010923	mg/L				0.76%
As 188.979	40.3	0.208866	0.0254183	mg/L				12.17%
B 249.773	1249.7	0.110244	0.0004963	mg/L				0.45%
Ba 455.403	21745.8	0.0203150	0.00022378	mg/L				1.10%
Be 234.861	280.0	0.0020755	0.00005508	mg/L				2.65%
Ca 315.887	10371.0	1.07268	0.014169	mg/L				1.32%
Cd 214.438	127.6	0.0120575	0.00066674	mg/L				5.53%
Ce 413.765	-153.5	0.0162003	0.01172268	mg/L				72.36%
Co 228.616	51.8	0.0190377	0.00307956	mg/L				16.18%
Cr 205.560	87.2	0.0314772	0.00056155	mg/L				1.78%
*QC exceeds upper limit for Cr 205.560 Recovery = 157.39% Action = Continue								
Cu 327.394	245.0	0.0153706	0.00150738	mg/L				9.81%
Fe 238.204	304.1	0.0196156	0.00084474	mg/L				4.31%
K 766.514	2836.5	0.208975	0.0090396	mg/L				4.33%
Li 670.781	3073.9	0.0158716	0.00008016	mg/L				0.51%
Mg 279.074	1297.2	1.04681	0.040873	mg/L				3.90%
Mn 257.610	1369.7	0.0201065	0.00060023	mg/L				2.99%
Mo 202.031	135.6	0.194477	0.0030574	mg/L				1.57%
Na 589.594	19184.8	1.06510	0.015042	mg/L				1.41%
Ni 231.603	126.7	0.0265404	0.00662511	mg/L				24.96%

Pb 220.353	21.9	0.0962097	0.02190557	mg/L	22.77%
Sb 206.831	37.1	0.139214	0.0074654	mg/L	5.36%
Se 196.026	106.7	0.232775	0.0754573	mg/L	32.42%
Si 251.611	2455.8	0.216110	0.0025073	mg/L	1.16%
Sn 189.933	20.1	0.213751	0.0017443	mg/L	0.82%
Sr 407.771	148831.7	0.106424	0.0007682	mg/L	0.72%
Ti 334.941	20148.3	0.202652	0.0025730	mg/L	1.27%
Tl 190.800	48.9	0.208186	0.0097933	mg/L	4.70%
V 292.402	-3.3	0.0213104	0.00532009	mg/L	24.96%
Zn 206.200	42.9	0.0193435	0.00147981	mg/L	7.65%

Replicate Data

ID: 0B03018-IFA1 Date: 2/3/10 9:56:56 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	416626.7	416626.7	100.1	mg/L		
1	Y 360.064	251241.7	251241.7	99.7	mg/L		
1	Ag 328.068	-61.4	-61.3	-0.0006253	mg/L		
1	Al 396.140	741671.8	740719.3	99.4576	mg/L		
1	As 188.979	10.7	10.7	0.0354194	mg/L		
1	B 249.773	1273.8	1272.1	0.0051480	mg/L		
1	Ba 455.403	8445.3	8434.5	-0.0014031	mg/L		
1	Be 234.861	509.9	509.2	-0.0002290	mg/L		
1	Ca 315.887	972633.3	971384.1	98.6358	mg/L		
1	Cd 214.438	172.6	172.3	0.0104487	mg/L		
1	Ce 413.765	-222.2	-222.0	0.0058580	mg/L		
1	Co 228.616	45.1	45.0	0.0012334	mg/L		
1	Cr 205.560	58.5	58.5	0.0052383	mg/L		
1	Cu 327.394	-155.5	-155.3	-0.0023323	mg/L		
1	Fe 238.204	350348.5	349898.6	39.6897	mg/L		
1	K 766.514	2027.4	2024.8	-0.0221814	mg/L		
1	Li 670.781	445.0	444.4	-0.0007515	mg/L		
1	Mg 279.074	122574.8	122417.4	99.3214	mg/L		
1	Mn 257.610	-50.5	-50.5	0.0008318	mg/L		
1	Mo 202.031	1.1	1.1	-0.0111249	mg/L		
1	Na 589.594	3196.4	3192.3	-0.0012048	mg/L		
1	Ni 231.603	110.5	110.4	0.0167886	mg/L		
1	Pb 220.353	-23.5	-23.5	-0.0758312	mg/L		
1	Sb 206.831	-1.9	-1.9	-0.0616468	mg/L		
1	Se 196.026	67.8	67.7	-0.0641383	mg/L		
1	Si 251.611	3751.1	3746.3	0.111793	mg/L		
1	Sn 189.933	-28.3	-28.3	-0.281457	mg/L		
1	Sr 407.771	2948.1	2944.4	-0.0002008	mg/L		
1	Ti 334.941	1926.5	1924.1	0.0021134	mg/L		
1	Tl 190.800	7.4	7.3	-0.0521073	mg/L		
1	V 292.402	-248.1	-247.8	0.0051015	mg/L		
1	Zn 206.200	-1.6	-1.6	-0.0014316	mg/L		
2	Sc 357.253	417231.8	417231.8	100.3	mg/L		
2	Y 360.064	251655.0	251655.0	99.9	mg/L		
2	Ag 328.068	6.5	6.5	0.0020987	mg/L		
2	Al 396.140	751356.3	749303.0	100.610	mg/L		
2	As 188.979	12.5	12.5	0.0459064	mg/L		
2	B 249.773	1240.3	1236.9	0.0003489	mg/L		
2	Ba 455.403	8315.2	8292.5	-0.0016347	mg/L		
2	Be 234.861	553.9	552.4	0.0001996	mg/L		
2	Ca 315.887	986450.2	983754.5	99.8915	mg/L		
2	Cd 214.438	142.4	142.0	0.0056334	mg/L		
2	Ce 413.765	-108.5	-108.2	0.0230381	mg/L		
2	Co 228.616	49.6	49.4	0.0024005	mg/L		
2	Cr 205.560	60.5	60.3	0.0069050	mg/L		
2	Cu 327.394	-109.0	-108.7	0.0010848	mg/L		
2	Fe 238.204	355271.5	354300.6	40.1892	mg/L		
2	K 766.514	2143.3	2137.5	0.0134993	mg/L		
2	Li 670.781	367.6	366.6	-0.0012438	mg/L		
2	Mg 279.074	123453.8	123116.4	99.8885	mg/L		
2	Mn 257.610	-47.6	-47.5	0.0008722	mg/L		
2	Mo 202.031	3.4	3.4	-0.0076738	mg/L		
2	Na 589.594	3133.0	3124.5	-0.0056392	mg/L		
2	Ni 231.603	106.4	106.1	0.0142314	mg/L		

2	Pb 220.353	-19.4	-19.3	-0.0600701 mg/L
2	Sb 206.831	5.6	5.6	-0.0229471 mg/L
2	Se 196.026	64.0	63.9	-0.0932539 mg/L
2	Si 251.611	3757.0	3746.7	0.109768 mg/L
2	Sn 189.933	-31.1	-31.0	-0.309299 mg/L
2	Sr 407.771	3014.1	3005.8	-0.0001558 mg/L
2	Ti 334.941	1864.2	1859.1	0.0013989 mg/L
2	Tl 190.800	18.3	18.3	0.0164767 mg/L
2	V 292.402	-253.6	-252.9	0.0047597 mg/L
2	Zn 206.200	6.5	6.5	0.0023545 mg/L

Mean Data

ID: 0B03018-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: 2/3/10 9:56:56 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	416929.3	100.2	0.10	mg/L				0.10%
Y 360.064	251448.4	99.8	0.12	mg/L				0.12%
Ag 328.068	-27.4	0.0007367	0.00192616	mg/L				261.47%
Al 396.140	745011.2	100.034	0.8150	mg/L				0.81%
As 188.979	11.6	0.0406629	0.00741543	mg/L				18.24%
B 249.773	1254.5	0.0027485	0.00339344	mg/L				123.47%
Ba 455.403	8363.5	-0.0015189	0.00016380	mg/L				10.78%
Be 234.861	530.8	-0.0000147	0.00030308	mg/L				>999.9%
Ca 315.887	977569.3	99.2636	0.88794	mg/L				0.89%
Cd 214.438	157.2	0.0080410	0.00340492	mg/L				42.34%
Ce 413.765	165.1	0.0144481	0.01214820	mg/L				84.08%
Co 228.616	47.2	0.0018169	0.00082521	mg/L				45.42%
Cr 205.560	59.4	0.0060717	0.00117855	mg/L				19.41%
Cu 327.394	-132.0	-0.0006237	0.00241622	mg/L				387.37%
Fe 238.204	352099.6	39.9394	0.35321	mg/L				0.88%
K 766.514	2081.1	-0.0043411	0.02523009	mg/L				581.20%
Li 670.781	405.5	-0.0009977	0.00034812	mg/L				34.89%
Mg 279.074	122766.9	99.6049	0.40101	mg/L				0.40%
Mn 257.610	-49.0	0.0008520	0.00002855	mg/L				3.35%
Mo 202.031	2.2	-0.0093994	0.00244031	mg/L				25.96%
Na 589.594	3158.4	-0.0034220	0.00313563	mg/L				91.63%
Ni 231.603	108.2	0.0155100	0.00180819	mg/L				11.66%
Pb 220.353	-21.4	-0.0679507	0.01114479	mg/L				16.40%
Sb 206.831	1.8	-0.0422969	0.02736485	mg/L				64.70%
Se 196.026	65.8	-0.0786961	0.02058782	mg/L				26.16%
Si 251.611	3746.5	0.110781	0.0014322	mg/L				1.29%
Sn 189.933	-29.7	-0.295378	0.0196877	mg/L				6.67%
*QC exceeds lower limit for Sn 189.933 Action = Continue								
Sr 407.771	2975.1	-0.0001783	0.00003178	mg/L				17.82%
Ti 334.941	1891.6	0.0017561	0.00050526	mg/L				28.77%
Tl 190.800	12.8	-0.0178153	0.04849625	mg/L				272.22%
V 292.402	-250.4	0.0049306	0.00024170	mg/L				4.90%
Zn 206.200	2.5	0.0004614	0.00267718	mg/L				580.19%

Replicate Data

ID: 0B03018-IFA2 Date: 2/3/10 10:00:22 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	421098.2	421098.2	101.2	mg/L		
1	Y 360.064	255040.8	255040.8	101.3	mg/L		
1	Ag 328.068	-842.9	-832.9	-0.0050515	mg/L		
1	Al 396.140	614.7	607.4	0.0841665	mg/L		
1	As 188.979	35.6	35.2	0.0490838	mg/L		
1	B 249.773	319.9	316.1	0.0188789	mg/L		
1	Ba 455.403	8435.7	8335.4	-0.0015647	mg/L		
1	Be 234.861	112.1	110.8	0.0001544	mg/L		
1	Ca 315.887	-183.1	-180.9	0.0136488	mg/L		
1	Cd 214.438	120.8	119.4	0.0009126	mg/L		
1	Ce 413.765	-78.3	-77.4	0.0277015	mg/L		
1	Co 228.616	92.5	91.4	0.0000440	mg/L		
1	Cr 205.560	22434.1	22167.4	20.1408	mg/L		
1	Cu 327.394	292381.4	288905.2	20.3625	mg/L		

1 Fe 238.204	200.1	197.7	0.0075491	mg/L
1 K 766.514	2033.0	2008.8	-0.0425593	mg/L
1 Li 670.781	762.5	753.5	0.0012021	mg/L
1 Mg 279.074	115.0	113.6	0.0093236	mg/L
1 Mn 257.610	1495539.8	1477758.9	20.0574	mg/L
1 Mo 202.031	11.4	11.2	0.0043191	mg/L
1 Na 589.594	3933.8	3887.1	0.0474523	mg/L
1 Ni 231.603	34790.8	34377.2	20.4341	mg/L
1 Pb 220.353	-8.0	-7.9	-0.0167327	mg/L
1 Sb 206.831	76.7	75.8	0.0129539	mg/L
1 Se 196.026	40.6	40.1	-0.143415	mg/L
1 Si 251.611	8526.6	8425.2	0.500396	mg/L
1 Sn 189.933	-4.8	-4.7	-0.0397695	mg/L
1 Sr 407.771	616.5	609.2	-0.0019075	mg/L
1 Ti 334.941	1837923.7	1816072.0	19.9649	mg/L
1 Tl 190.800	-27.6	-27.3	0.0682491	mg/L
1 V 292.402	303181.8	299577.1	19.8696	mg/L
1 Zn 206.200	12.7	12.6	-0.0076772	mg/L
2 Sc 357.253	419941.0	419941.0	100.9	mg/L
2 Y 360.064	254337.5	254337.5	101.0	mg/L
2 Ag 328.068	-901.4	-893.1	-0.0072948	mg/L
2 Al 396.140	716.1	709.5	0.0978739	mg/L
2 As 188.979	40.1	39.7	0.0742389	mg/L
2 B 249.773	290.7	288.0	0.0161278	mg/L
2 Ba 455.403	8281.8	8205.9	-0.0017759	mg/L
2 Be 234.861	141.2	140.0	0.0004854	mg/L
2 Ca 315.887	-281.5	-278.9	0.0037861	mg/L
2 Cd 214.438	122.4	121.3	0.0011150	mg/L
2 Ce 413.765	-285.9	-283.3	-0.0034135	mg/L
2 Co 228.616	83.1	82.3	-0.0030271	mg/L
2 Cr 205.560	22611.5	22404.2	20.3565	mg/L
2 Cu 327.394	293787.8	291094.8	20.5169	mg/L
2 Fe 238.204	207.4	205.5	0.0084309	mg/L
2 K 766.514	2110.9	2091.6	-0.0164724	mg/L
2 Li 670.781	853.4	845.6	0.0017846	mg/L
2 Mg 279.074	99.7	98.8	-0.0031947	mg/L
2 Mn 257.610	1503250.4	1489471.0	20.2164	mg/L
2 Mo 202.031	-4.1	-4.1	-0.0190947	mg/L
2 Na 589.594	4142.1	4104.2	0.0622886	mg/L
2 Ni 231.603	35007.6	34686.7	20.6186	mg/L
2 Pb 220.353	-3.3	-3.3	0.0006368	mg/L
2 Sb 206.831	75.8	75.1	0.0060124	mg/L
2 Se 196.026	51.3	50.8	-0.0610577	mg/L
2 Si 251.611	9130.8	9047.1	0.620214	mg/L
2 Sn 189.933	-4.1	-4.1	-0.0334525	mg/L
2 Sr 407.771	544.9	539.9	-0.0019581	mg/L
2 Ti 334.941	1848027.3	1831087.5	20.1301	mg/L
2 Tl 190.800	-25.9	-25.7	0.0811956	mg/L
2 V 292.402	304363.1	301573.1	20.0018	mg/L
2 Zn 206.200	14.9	14.8	-0.0068001	mg/L

Mean Data

ID: 0B03018-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: 2/3/10 10:00:22 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	420519.6	101.1	0.20	mg/L				0.19%
Y 360.064	254689.2	101.1	0.20	mg/L				0.20%
Ag 328.068	-863.0	-0.0061732	0.00158620	mg/L				25.70%
Al 396.140	658.5	0.0910202	0.00969262	mg/L				10.65%
As 188.979	37.5	0.0616614	0.01778728	mg/L				28.85%
B 249.773	302.1	0.0175033	0.00194532	mg/L				11.11%
Ba 455.403	8270.7	-0.0016703	0.00014940	mg/L				8.94%
Be 234.861	125.4	0.0003199	0.00023403	mg/L				73.16%
Ca 315.887	-229.9	0.0087174	0.00697398	mg/L				80.00%
Cd 214.438	120.3	0.0010138	0.00014317	mg/L				14.12%
Ce 413.765	-180.3	0.0121440	0.02200163	mg/L				181.17%
Co 228.616	86.9	-0.0014916	0.00217163	mg/L				145.60%
Cr 205.560	22285.8	20.2487	0.15255	mg/L				0.75%

Cu 327.394	290000.0	20.4397	0.10914	mg/L	0.53%
Fe 238.204	201.6	0.0079900	0.00062353	mg/L	7.80%
K 766.514	2050.2	-0.0295158	0.01844626	mg/L	62.50%
Li 670.781	799.5	0.0014934	0.00041188	mg/L	27.58%
Mg 279.074	106.2	0.0030644	0.00885171	mg/L	288.85%
Mn 257.610	1483614.9	20.1369	0.11240	mg/L	0.56%
Mo 202.031	3.6	-0.0073878	0.01655606	mg/L	224.10%
Na 589.594	3995.6	0.0548704	0.01049086	mg/L	19.12%
Ni 231.603	34532.0	20.5263	0.13044	mg/L	0.64%
Pb 220.353	-5.6	-0.0080479	0.01228203	mg/L	152.61%
Sb 206.831	75.4	0.0094831	0.00490836	mg/L	51.76%
Se 196.026	45.5	-0.102236	0.0582355	mg/L	56.96%
Si 251.611	8736.2	0.560305	0.0847240	mg/L	15.12%
Sn 189.933	-4.4	-0.0366110	0.00446678	mg/L	12.20%
Sr 407.771	574.6	-0.0019328	0.00003579	mg/L	1.85%
Ti 334.941	1823579.8	20.0475	0.11683	mg/L	0.58%
Tl 190.800	-26.5	0.0747223	0.00915458	mg/L	12.25%
V 292.402	300575.1	19.9357	0.09349	mg/L	0.47%
Zn 206.200	13.7	-0.0072386	0.00062017	mg/L	8.57%

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

ID: 0B03018-IFB1 Date: 2/3/10 10:03:51 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	417028.0	417028.0	100.2	mg/L		
1	Y 360.064	251303.5	251303.5	99.8	mg/L		
1	Ag 328.068	24713.6	24658.1	0.992282	mg/L		
1	Al 396.140	746046.3	744371.1	99.9479	mg/L		
1	As 188.979	10.9	10.9	0.0365379	mg/L		
1	B 249.773	1168.4	1165.8	-0.0058461	mg/L		
1	Ba 455.403	288515.3	287867.5	0.454505	mg/L		
1	Be 234.861	4963.7	4952.6	0.0501975	mg/L		
1	Ca 315.887	978930.8	976732.7	99.1772	mg/L		
1	Cd 214.438	6484.7	6470.2	0.989272	mg/L		
1	Ce 413.765	-86.0	-85.8	0.0264308	mg/L		
1	Co 228.616	1617.5	1613.9	0.485878	mg/L		
1	Cr 205.560	629.2	627.8	0.524567	mg/L		
1	Cu 327.394	6952.7	6937.1	0.497346	mg/L		
1	Fe 238.204	352606.0	351814.2	39.9070	mg/L		
1	K 766.514	2154.9	2150.1	0.0175358	mg/L		
1	Li 670.781	321.9	321.2	-0.0015308	mg/L		
1	Mg 279.074	123664.6	123386.9	100.107	mg/L		
1	Mn 257.610	36676.2	36593.8	0.498162	mg/L		
1	Mo 202.031	2.8	2.8	-0.0084922	mg/L		
1	Na 589.594	3437.8	3430.1	0.0149987	mg/L		
1	Ni 231.603	1758.7	1754.7	0.996538	mg/L		
1	Pb 220.353	252.3	251.7	0.967368	mg/L		
1	Sb 206.831	-4.2	-4.2	-0.0733353	mg/L		
1	Se 196.026	72.2	72.0	-0.0314401	mg/L		
1	Si 251.611	4146.2	4136.9	0.189005	mg/L		
1	Sn 189.933	-25.5	-25.5	-0.252522	mg/L		
1	Sr 407.771	2035.5	2030.9	-0.0008684	mg/L		
1	Ti 334.941	2232.4	2227.4	0.0054514	mg/L		
1	Tl 190.800	12.2	12.1	-0.0220920	mg/L		
1	V 292.402	7305.6	7289.2	0.504843	mg/L		
1	Zn 206.200	2082.5	2077.8	0.968815	mg/L		
2	Sc 357.253	413808.9	413808.9	99.5	mg/L		
2	Y 360.064	249646.9	249646.9	99.1	mg/L		
2	Ag 328.068	24751.4	24887.9	1.00151	mg/L		
2	Al 396.140	749030.6	753162.4	101.128	mg/L		
2	As 188.979	22.0	22.1	0.102490	mg/L		
2	B 249.773	1172.6	1179.0	-0.0054826	mg/L		
2	Ba 455.403	289248.9	290844.5	0.459362	mg/L		
2	Be 234.861	5021.8	5049.5	0.0512558	mg/L		
2	Ca 315.887	978620.3	984018.7	99.9170	mg/L		
2	Cd 214.438	6503.4	6539.3	0.999917	mg/L		
2	Ce 413.765	-33.6	-33.8	0.0342904	mg/L		
2	Co 228.616	1614.9	1623.8	0.488816	mg/L		
2	Cr 205.560	621.5	625.0	0.521999	mg/L		

2	Cu 327.394	7052.9	7091.8	0.508324 mg/L
2	Fe 238.204	352903.9	354850.7	40.2516 mg/L
2	K 766.514	2152.6	2164.5	0.0222994 mg/L
2	Li 670.781	399.7	401.9	-0.0010206 mg/L
2	Mg 279.074	123749.8	124432.4	100.955 mg/L
2	Mn 257.610	36931.7	37135.4	0.505512 mg/L
2	Mo 202.031	4.2	4.2	-0.0063658 mg/L
2	Na 589.594	3409.4	3428.2	0.0150067 mg/L
2	Ni 231.603	1769.0	1778.8	1.01088 mg/L
2	Pb 220.353	255.2	256.6	0.985844 mg/L
2	Sb 206.831	-1.9	-1.9	-0.0613780 mg/L
2	Se 196.026	66.3	66.7	-0.0718821 mg/L
2	Si 251.611	3987.3	4009.3	0.159673 mg/L
2	Sn 189.933	-29.3	-29.5	-0.293304 mg/L
2	Sr 407.771	1974.8	1985.6	-0.0009015 mg/L
2	Ti 334.941	2082.1	2093.6	0.0039794 mg/L
2	Tl 190.800	10.9	10.9	-0.0296971 mg/L
2	V 292.402	7371.3	7411.9	0.512981 mg/L
2	Zn 206.200	2085.7	2097.2	0.977855 mg/L

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

ID: 0B03018-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: 2/3/10 10:03:51 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	415418.5	99.8	0.55	mg/L				0.55%
Y 360.064	250475.2	99.4	0.47	mg/L				0.47%
Ag 328.068	24773.0	0.996898	0.0065276	mg/L				0.65%
Al 396.140	748766.8	100.538	0.8347	mg/L				0.83%
As 188.979	16.5	0.0695141	0.04663545	mg/L				67.09%
B 249.773	1172.4	-0.0056643	0.00025706	mg/L				4.54%
Ba 455.403	289356.0	0.456934	0.0034345	mg/L				0.75%
Be 234.861	5001.0	0.0507266	0.00074832	mg/L				1.48%
Ca 315.887	980375.7	99.5471	0.52306	mg/L				0.53%
Cd 214.438	6504.7	0.994595	0.0075270	mg/L				0.76%
Ce 413.765	-59.8	0.0303606	0.00555756	mg/L				18.31%
Co 228.616	1618.8	0.487347	0.0020777	mg/L				0.43%
Cr 205.560	626.4	0.523283	0.0018159	mg/L				0.35%
Cu 327.394	7014.4	0.502835	0.0077628	mg/L				1.54%
Fe 238.204	353332.4	40.0793	0.24364	mg/L				0.61%
K 766.514	2157.3	0.0199176	0.00336841	mg/L				16.91%
Li 670.781	361.5	-0.0012757	0.00036077	mg/L				28.28%
Mg 279.074	123909.6	100.531	0.5998	mg/L				0.60%
Mn 257.610	36864.6	0.501837	0.0051976	mg/L				1.04%
Mo 202.031	3.5	-0.0074290	0.00150359	mg/L				20.24%
Na 589.594	3429.2	0.0150027	0.00000567	mg/L				0.04%
Ni 231.603	1766.7	1.00371	0.010139	mg/L				1.01%
Pb 220.353	254.1	0.976606	0.0130643	mg/L				1.34%
Sb 206.831	-3.0	-0.0673566	0.00845507	mg/L				12.55%
Se 196.026	69.3	-0.0516611	0.02859675	mg/L				55.35%
Si 251.611	4073.1	0.174339	0.0207407	mg/L				11.90%
Sn 189.933	-27.5	-0.272913	0.0288373	mg/L				10.57%
Sr 407.771	2008.3	-0.0008849	0.00002341	mg/L				2.64%
Ti 334.941	2160.5	0.0047154	0.00104082	mg/L				22.07%
Tl 190.800	11.5	-0.0258946	0.00537758	mg/L				20.77%
V 292.402	7350.6	0.508912	0.0057543	mg/L				1.13%
Zn 206.200	2087.5	0.973335	0.0063916	mg/L				0.66%

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

ID: 0B03018-IFB2 Date: 2/3/10 10:07:20 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	419488.0	419488.0	100.8	mg/L		
1	Y 360.064	253736.2	253736.2	100.7	mg/L		
1	Ag 328.068	-830.6	-823.8	-0.0046580	mg/L		
1	Al 396.140	8274.6	8207.6	1.10463	mg/L		
1	As 188.979	204.0	202.3	1.02495	mg/L		
1	B 249.773	10059.2	9977.8	0.964395	mg/L		

1	Ba 455.403	8341.9	8274.4	-0.0016642	mg/L
1	Be 234.861	128.5	127.4	0.0003431	mg/L
1	Ca 315.887	50155.8	49749.7	5.07956	mg/L
1	Cd 214.438	133.0	131.9	0.0028885	mg/L
1	Ce 413.765	-155.7	-154.5	0.0160504	mg/L
1	Co 228.616	66.2	65.7	-0.0080257	mg/L
1	Cr 205.560	22365.7	22184.6	20.1565	mg/L
1	Cu 327.394	291077.7	288721.1	20.3496	mg/L
1	Fe 238.204	219.3	217.6	0.0097974	mg/L
1	K 766.514	2091.8	2074.9	-0.0209987	mg/L
1	Li 670.781	876.4	869.3	0.0019344	mg/L
1	Mg 279.074	6439.5	6387.3	5.10066	mg/L
1	Mn 257.610	1491659.7	1479582.7	20.0822	mg/L
1	Mo 202.031	654.5	649.2	0.979422	mg/L
1	Na 589.594	79456.8	78813.5	5.11660	mg/L
1	Ni 231.603	34556.4	34276.7	20.3742	mg/L
1	Pb 220.353	-11.7	-11.6	-0.0308685	mg/L
1	Sb 206.831	263.5	261.4	0.968937	mg/L
1	Se 196.026	183.4	181.9	0.935278	mg/L
1	Si 251.611	8273.0	8206.0	0.451664	mg/L
1	Sn 189.933	-6.6	-6.5	-0.0586849	mg/L
1	Sr 407.771	786.4	780.0	-0.0017826	mg/L
1	Ti 334.941	1838176.6	1823294.1	20.0444	mg/L
1	Tl 190.800	136.5	135.4	1.08732	mg/L
1	V 292.402	302377.0	299928.8	19.9070	mg/L
1	Zn 206.200	0.7	0.7	-0.0132369	mg/L
2	Sc 357.253	415916.4	415916.4	100.0	mg/L
2	Y 360.064	251584.3	251584.3	99.9	mg/L
2	Ag 328.068	-834.7	-835.1	-0.0048349	mg/L
2	Al 396.140	8338.5	8342.0	1.12268	mg/L
2	As 188.979	210.1	210.2	1.06967	mg/L
2	B 249.773	10223.6	10227.9	0.988874	mg/L
2	Ba 455.403	8432.7	8436.2	-0.0014002	mg/L
2	Be 234.861	107.1	107.1	0.0001128	mg/L
2	Ca 315.887	50219.0	50240.2	5.12944	mg/L
2	Cd 214.438	126.3	126.4	0.0018988	mg/L
2	Ce 413.765	-194.5	-194.6	0.0099901	mg/L
2	Co 228.616	70.2	70.3	-0.0069543	mg/L
2	Cr 205.560	22345.5	22354.9	20.3115	mg/L
2	Cu 327.394	291629.2	291752.0	20.5632	mg/L
2	Fe 238.204	208.5	208.6	0.0087798	mg/L
2	K 766.514	2145.9	2146.8	0.0017020	mg/L
2	Li 670.781	925.2	925.6	0.0022904	mg/L
2	Mg 279.074	6375.0	6377.7	5.09202	mg/L
2	Mn 257.610	1493802.8	1494432.0	20.2837	mg/L
2	Mo 202.031	656.2	656.5	0.990563	mg/L
2	Na 589.594	79609.6	79643.1	5.17292	mg/L
2	Ni 231.603	34694.3	34708.9	20.6318	mg/L
2	Pb 220.353	-12.0	-12.0	-0.0324420	mg/L
2	Sb 206.831	257.8	257.9	0.948661	mg/L
2	Se 196.026	182.8	182.9	0.943957	mg/L
2	Si 251.611	8919.7	8923.4	0.588722	mg/L
2	Sn 189.933	-2.7	-2.7	-0.0188696	mg/L
2	Sr 407.771	755.6	755.9	-0.0018002	mg/L
2	Ti 334.941	1842094.1	1842870.0	20.2598	mg/L
2	Tl 190.800	132.7	132.8	1.07415	mg/L
2	V 292.402	302905.9	303033.5	20.1128	mg/L
2	Zn 206.200	13.0	13.0	-0.0076058	mg/L

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

ID: 0B03018-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: 2/3/10 10:07:20 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Sc 357.253	417702.2	100.4	0.61	mg/L				0.60%
Y 360.064	252660.3	100.3	0.60	mg/L				0.60%
Ag 328.068	-829.5	-0.0047464	0.00012508	mg/L				2.64%
Al 396.140	8274.8	1.11365	0.012764	mg/L				1.15%
As 188.979	206.3	1.04731	0.031627	mg/L				3.02%

B 249.773	10102.9	0.976634	0.0173096	mg/L	1.77%
Ba 455.403	8355.3	-0.0015322	0.00018668	mg/L	12.18%
Be 234.861	117.3	0.0002280	0.00016286	mg/L	71.44%
Ca 315.887	49995.0	5.10450	0.035274	mg/L	0.69%
Cd 214.438	129.1	0.0023937	0.00069980	mg/L	29.24%
Ce 413.765	-174.5	0.0130202	0.00428529	mg/L	32.91%
Co 228.616	68.0	-0.0074900	0.00075762	mg/L	10.12%
Cr 205.560	22269.8	20.2340	0.10959	mg/L	0.54%
Cu 327.394	290236.5	20.4564	0.15107	mg/L	0.74%
Fe 238.204	213.1	0.0092886	0.00071954	mg/L	7.75%
K 766.514	2110.8	-0.0096484	0.01605182	mg/L	166.37%
Li 670.781	897.4	0.0021124	0.00025167	mg/L	11.91%
Mg 279.074	6382.5	5.09634	0.006112	mg/L	0.12%
Mn 257.610	1487007.3	20.1829	0.14250	mg/L	0.71%
Mo 202.031	652.9	0.984993	0.0078783	mg/L	0.80%
Na 589.594	79228.3	5.14476	0.039823	mg/L	0.77%
Ni 231.603	34492.8	20.5030	0.18211	mg/L	0.89%
Pb 220.353	-11.8	-0.0316552	0.00111267	mg/L	3.51%
Sb 206.831	259.6	0.958799	0.0143376	mg/L	1.50%
Se 196.026	182.4	0.939617	0.0061370	mg/L	0.65%
Si 251.611	8564.7	0.520193	0.0969152	mg/L	18.63%
Sn 189.933	-4.6	-0.0387772	0.02815366	mg/L	72.60%
Sr 407.771	768.0	-0.0017914	0.00001245	mg/L	0.69%
Ti 334.941	1833082.0	20.1521	0.15232	mg/L	0.76%
Tl 190.800	134.1	1.08073	0.009309	mg/L	0.86%
V 292.402	301481.2	20.0099	0.14556	mg/L	0.73%
Zn 206.200	6.8	-0.0104214	0.00398178	mg/L	38.21%

Replicate Data

ID: 0B03018-CCV Date: 2/3/10 10:10:48 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	417878.3	417878.3	100.4	mg/L		
1	Y 360.064	253116.6	253116.6	100.5	mg/L		
1	Ag 328.068	12409.3	12356.2	0.498152	mg/L		
1	Al 396.140	18697.5	18617.6	2.50236	mg/L		
1	As 188.979	431.9	430.1	2.48608	mg/L		
1	B 249.773	5213.8	5191.5	0.495999	mg/L		
1	Ba 455.403	317652.1	316294.0	0.500884	mg/L		
1	Be 234.861	4508.3	4489.0	0.0498686	mg/L		
1	Ca 315.887	48973.8	48764.4	4.96758	mg/L		
1	Cd 214.438	3223.8	3210.0	0.491160	mg/L		
1	Ce 413.765	-136.6	-136.0	0.0188486	mg/L		
1	Co 228.616	1592.3	1585.5	0.492905	mg/L		
1	Cr 205.560	597.1	594.6	0.494291	mg/L		
1	Cu 327.394	7229.6	7198.7	0.505229	mg/L		
1	Fe 238.204	4540.6	4521.2	0.498149	mg/L		
1	K 766.514	18274.8	18196.7	5.03978	mg/L		
1	Li 670.781	79970.2	79628.3	0.499837	mg/L		
1	Mg 279.074	6186.4	6160.0	4.99243	mg/L		
1	Mn 257.610	36749.8	36592.7	0.498146	mg/L		
1	Mo 202.031	327.0	325.6	0.484827	mg/L		
1	Na 589.594	77520.6	77189.2	4.98998	mg/L		
1	Ni 231.603	933.7	929.7	0.504972	mg/L		
1	Pb 220.353	118.3	117.8	0.459710	mg/L		
1	Sb 206.831	477.8	475.8	2.39933	mg/L		
1	Se 196.026	409.3	407.5	2.52054	mg/L		
1	Si 251.611	13924.4	13864.8	2.55709	mg/L		
1	Sn 189.933	245.3	244.3	2.50893	mg/L		
1	Sr 407.771	691189.1	688233.8	0.500658	mg/L		
1	Ti 334.941	47375.3	47172.7	0.500027	mg/L		
1	Tl 190.800	424.3	422.4	2.54614	mg/L		
1	V 292.402	7304.4	7273.2	0.503779	mg/L		
1	Zn 206.200	1069.6	1065.0	0.496260	mg/L		
2	Sc 357.253	412656.5	412656.5	99.2	mg/L		
2	Y 360.064	249824.0	249824.0	99.2	mg/L		
2	Ag 328.068	12364.8	12467.7	0.502630	mg/L		
2	Al 396.140	18848.8	19005.7	2.55447	mg/L		
2	As 188.979	431.3	434.9	2.51412	mg/L		

2 B 249.773	5192.3	5235.5	0.500301 mg/L
2 Ba 455.403	316620.4	319256.1	0.505717 mg/L
2 Be 234.861	4454.0	4491.1	0.0498923 mg/L
2 Ca 315.887	48478.8	48882.3	4.97947 mg/L
2 Cd 214.438	3241.4	3268.4	0.500230 mg/L
2 Ce 413.765	-157.2	-158.5	0.0154389 mg/L
2 Co 228.616	1588.7	1601.9	0.497979 mg/L
2 Cr 205.560	600.1	605.1	0.503878 mg/L
2 Cu 327.394	7052.0	7110.7	0.499026 mg/L
2 Fe 238.204	4530.1	4567.8	0.503441 mg/L
2 K 766.514	18048.4	18198.6	5.04040 mg/L
2 Li 670.781	79586.9	80249.5	0.503764 mg/L
2 Mg 279.074	6111.2	6162.1	4.99415 mg/L
2 Mn 257.610	36487.1	36790.8	0.500836 mg/L
2 Mo 202.031	338.6	341.4	0.508922 mg/L
2 Na 589.594	77482.5	78127.5	5.05343 mg/L
2 Ni 231.603	920.4	928.1	0.503999 mg/L
2 Pb 220.353	128.1	129.2	0.502803 mg/L
2 Sb 206.831	475.3	479.3	2.41739 mg/L
2 Se 196.026	400.7	404.0	2.49383 mg/L
2 Si 251.611	13917.3	14033.2	2.59164 mg/L
2 Sn 189.933	243.2	245.2	2.51831 mg/L
2 Sr 407.771	688346.0	694076.0	0.504928 mg/L
2 Ti 334.941	46843.5	47233.5	0.500695 mg/L
2 Tl 190.800	420.4	423.9	2.55520 mg/L
2 V 292.402	7121.9	7181.1	0.497679 mg/L
2 Zn 206.200	1061.7	1070.5	0.498825 mg/L

Mean Data

ID: 0B03018-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: 2/3/10 10:10:48 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Sc 357.253	415267.4	99.8	0.89	mg/L				0.89%
Y 360.064	251470.3	99.8	0.92	mg/L				0.93%
Ag 328.068	12412.0	0.500391	0.0031662	mg/L				0.63%
Al 396.140	18811.6	2.52841	0.036848	mg/L				1.46%
As 188.979	432.5	2.50010	0.019826	mg/L				0.79%
B 249.773	5213.5	0.498150	0.0030419	mg/L				0.61%
Ba 455.403	317775.0	0.503301	0.0034174	mg/L				0.68%
Be 234.861	4490.1	0.0498805	0.00001671	mg/L				0.03%
Ca 315.887	48823.4	4.97353	0.008411	mg/L				0.17%
~~Cd 214.438~~	~~3239.2~~	~~0.495695~~	~~0.0064131~~	~~mg/L~~				~~1.29%~~
Ce 413.765	-147.3	0.0171437	0.00241103	mg/L				14.06%
Co 228.616	1593.7	0.495442	0.0035881	mg/L				0.72%
Cr 205.560	599.8	0.499084	0.0067792	mg/L				1.36%
Cu 327.394	7154.7	0.502127	0.0043857	mg/L				0.87%
Fe 238.204	4544.5	0.500795	0.0037422	mg/L				0.75%
K 766.514	18197.7	5.04009	0.000442	mg/L				0.01%
Li 670.781	79938.9	0.501800	0.0027767	mg/L				0.55%
Mg 279.074	6161.0	4.99329	0.001217	mg/L				0.02%
Mn 257.610	36691.8	0.499491	0.0019018	mg/L				0.38%
Mo 202.031	333.5	0.496874	0.0170382	mg/L				3.43%
Na 589.594	77658.3	5.02171	0.044868	mg/L				0.89%
Ni 231.603	928.9	0.504486	0.0006880	mg/L				0.14%
Pb 220.353	123.5	0.481256	0.0304716	mg/L				6.33%
Sb 206.831	477.5	2.40836	0.012773	mg/L				0.53%
Se 196.026	405.8	2.50719	0.018886	mg/L				0.75%
Si 251.611	13949.0	2.57436	0.024429	mg/L				0.95%
Sn 189.933	244.7	2.51362	0.006636	mg/L				0.26%
Sr 407.771	691154.9	0.502793	0.0030193	mg/L				0.60%
Ti 334.941	47203.1	0.500361	0.0004725	mg/L				0.09%
Tl 190.800	423.2	2.55067	0.006408	mg/L				0.25%
V 292.402	7227.1	0.500729	0.0043139	mg/L				0.86%
Zn 206.200	1067.8	0.497542	0.0018132	mg/L				0.36%

Replicate Data

ID: 0B03018-CCB Date: 2/3/10 10:14:10 AM

	Net	Corrected	Calib	Sample

Repl#	Element	Intensity	Intensity	Conc.	Units	Conc. Units
1	Sc 357.253	406110.7	406110.7	97.6	mg/L	
1	Y 360.064	245532.5	245532.5	97.5	mg/L	
1	Ag 328.068	-47.0	-48.2	-0.0000961	mg/L	
1	Al 396.140	-57.6	-59.0	-0.0053072	mg/L	
1	As 188.979	3.4	3.5	-0.0064586	mg/L	
1	B 249.773	199.6	204.5	0.0079556	mg/L	
1	Ba 455.403	8525.6	8735.2	-0.0009125	mg/L	
1	Be 234.861	100.5	103.0	0.0000654	mg/L	
1	Ca 315.887	-391.3	-400.9	-0.0203691	mg/L	
1	Cd 214.438	41.7	42.7	-0.0011336	mg/L	
1	Ce 413.765	-241.6	-247.6	0.0019858	mg/L	
1	Co 228.616	-8.4	-8.6	0.0003734	mg/L	
1	Cr 205.560	59.9	61.3	0.0078532	mg/L	
1	Cu 327.394	-89.9	-92.1	-0.0083756	mg/L	
1	Fe 238.204	136.4	139.8	0.0009711	mg/L	
1	K 766.514	2085.2	2136.4	-0.0111542	mg/L	
1	Li 670.781	439.2	450.0	-0.0007163	mg/L	
1	Mg 279.074	-47.4	-48.6	-0.0452287	mg/L	
1	Mn 257.610	-201.2	-206.2	-0.0012813	mg/L	
1	Mo 202.031	6.0	6.2	-0.0033953	mg/L	
1	Na 589.594	3107.9	3184.3	-0.0178735	mg/L	
1	Ni 231.603	89.8	92.0	0.0058686	mg/L	
1	Pb 220.353	-5.3	-5.5	-0.0075478	mg/L	
1	Sb 206.831	8.2	8.4	-0.0085833	mg/L	
1	Se 196.026	67.8	69.5	-0.0506660	mg/L	
1	Si 251.611	1509.3	1546.4	0.0295128	mg/L	
1	Sn 189.933	-0.6	-0.6	0.0023362	mg/L	
1	Sr 407.771	637.5	653.2	-0.0018753	mg/L	
1	Ti 334.941	1896.5	1943.1	0.0023230	mg/L	
1	Tl 190.800	13.7	14.1	-0.0098959	mg/L	
1	V 292.402	-290.0	-297.2	0.0018277	mg/L	
1	Zn 206.200	-7.0	-7.1	-0.0040268	mg/L	
2	Sc 357.253	404768.6	404768.6	97.3	mg/L	
2	Y 360.064	244736.2	244736.2	97.2	mg/L	
2	Ag 328.068	-2.5	-2.6	0.0017342	mg/L	
2	Al 396.140	-92.1	-94.6	-0.0100950	mg/L	
2	As 188.979	12.1	12.4	0.0455953	mg/L	
2	B 249.773	212.6	218.5	0.0093271	mg/L	
2	Ba 455.403	8476.0	8713.1	-0.0009485	mg/L	
2	Be 234.861	107.1	110.1	0.0001462	mg/L	
2	Ca 315.887	-521.1	-535.6	-0.0340426	mg/L	
2	Cd 214.438	47.5	48.8	-0.0001782	mg/L	
2	Ce 413.765	-216.4	-222.5	0.0057807	mg/L	
2	Co 228.616	-10.4	-10.7	-0.0002663	mg/L	
2	Cr 205.560	55.3	56.8	0.0037397	mg/L	
2	Cu 327.394	25.1	25.8	-0.0000663	mg/L	
2	Fe 238.204	153.8	158.1	0.0030473	mg/L	
2	K 766.514	2264.8	2328.1	0.0491261	mg/L	
2	Li 670.781	324.8	333.9	-0.0014504	mg/L	
2	Mg 279.074	-13.5	-13.9	-0.0170570	mg/L	
2	Mn 257.610	-193.6	-199.0	-0.0011841	mg/L	
2	Mo 202.031	7.5	7.7	-0.0011183	mg/L	
2	Na 589.594	3167.3	3255.9	-0.0130249	mg/L	
2	Ni 231.603	90.2	92.8	0.0063012	mg/L	
2	Pb 220.353	12.4	12.8	0.0615788	mg/L	
2	Sb 206.831	-6.8	-7.0	-0.0877776	mg/L	
2	Se 196.026	80.3	82.5	0.0485988	mg/L	
2	Si 251.611	1442.6	1482.9	0.0164816	mg/L	
2	Sn 189.933	-0.1	-0.1	0.0069165	mg/L	
2	Sr 407.771	765.4	786.8	-0.0017777	mg/L	
2	Ti 334.941	1737.6	1786.2	0.0005963	mg/L	
2	Tl 190.800	17.4	17.9	0.0140824	mg/L	
2	V 292.402	-375.3	-385.8	-0.0040504	mg/L	
2	Zn 206.200	-0.7	-0.7	-0.0010084	mg/L	

Mean Data

ID: 0B03018-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: 2/3/10 10:14:10 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	405439.6	97.4	0.23	mg/L				0.23%
Y 360.064	245134.4	97.3	0.22	mg/L				0.23%
Ag 328.068	-25.4	0.0008190	0.00129419	mg/L				158.01%
Al 396.140	-76.8	-0.0077011	0.00338547	mg/L				43.96%
As 188.979	8.0	0.0195684	0.03680763	mg/L				188.10%
B 249.773	211.5	0.0086414	0.00096975	mg/L				11.22%
Ba 455.403	8724.1	-0.0009305	0.00002544	mg/L				2.73%
Be 234.861	106.5	0.0001058	0.00005716	mg/L				54.04%
Ca 315.887	-468.3	-0.0272059	0.00966862	mg/L				35.54%
Cd 214.438	45.8	-0.0006559	0.00067557	mg/L				103.01%
Ce 413.765	-235.0	0.0038833	0.00268340	mg/L				69.10%
Co 228.616	-9.6	0.0000535	0.00045227	mg/L				844.64%
Cr 205.560	59.1	0.0057964	0.00290872	mg/L				50.18%
Cu 327.394	-33.1	-0.0042209	0.00587561	mg/L				139.20%
Fe 238.204	148.9	0.0020092	0.00146809	mg/L				73.07%
K 766.514	2232.3	0.0189860	0.04262460	mg/L				224.51%
Li 670.781	391.9	-0.0010833	0.00051908	mg/L				47.92%
Mg 279.074	-31.2	-0.0311429	0.01992040	mg/L				63.96%
Mn 257.610	-202.6	-0.0012327	0.00006870	mg/L				5.57%
Mo 202.031	6.9	-0.0022568	0.00161004	mg/L				71.34%
Na 589.594	3220.1	-0.0154492	0.00342847	mg/L				22.19%
Ni 231.603	92.4	0.0060849	0.00030585	mg/L				5.03%
Pb 220.353	3.7	0.0270155	0.04887986	mg/L				180.93%
Sb 206.831	0.7	-0.0481804	0.05599888	mg/L				116.23%
Se 196.026	76.0	-0.0010336	0.07019078	mg/L				>999.9%
Si 251.611	1514.7	0.0229972	0.00921440	mg/L				40.07%
Sn 189.933	-0.4	0.0046263	0.00323880	mg/L				70.01%
Sr 407.771	720.0	-0.0018265	0.00006903	mg/L				3.78%
Ti 334.941	1864.6	0.0014597	0.00122097	mg/L				83.65%
Tl 190.800	16.0	0.0020932	0.01695523	mg/L				810.00%
V 292.402	-341.5	-0.0011113	0.00415644	mg/L				374.01%
Zn 206.200	-3.9	-0.0025176	0.00213438	mg/L				84.78%

Replicate Data

ID: 1000890-BLK1 Date: 2/3/10 10:17:29 AM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	416616.2	416616.2	100.1	mg/L		
1	Y 360.064	252500.9	252500.9	100.2	mg/L		
1	Ag 328.068	-30.9	-30.9	0.0005976	mg/L	0.0005976	mg/L
1	Al 396.140	-9.7	-9.7	0.0013051	mg/L	0.0013051	mg/L
1	As 188.979	3.9	3.9	-0.0043297	mg/L	-0.0043297	mg/L
1	B 249.773	135.0	134.9	0.0011405	mg/L	0.0011405	mg/L
1	Ba 455.403	8567.4	8556.6	-0.0012038	mg/L	-0.0012038	mg/L
1	Be 234.861	106.4	106.3	0.0001028	mg/L	0.0001028	mg/L
1	Ca 315.887	1022.8	1021.5	0.124005	mg/L	0.124005	mg/L
1	Cd 214.438	48.4	48.4	-0.0002506	mg/L	-0.0002506	mg/L
1	Ce 413.765	-150.1	-149.9	0.0167418	mg/L	0.0167418	mg/L
1	Co 228.616	-4.4	-4.4	0.0016645	mg/L	0.0016645	mg/L
1	Cr 205.560	57.1	57.1	0.0039656	mg/L	0.0039656	mg/L
1	Cu 327.394	-7.9	-7.9	-0.0024394	mg/L	-0.0024394	mg/L
1	Fe 238.204	187.0	186.7	0.0062983	mg/L	0.0062983	mg/L
1	K 766.514	2218.0	2215.2	0.0136282	mg/L	0.0136282	mg/L
1	Li 670.781	250.1	249.8	-0.0019821	mg/L	-0.0019821	mg/L
1	Mg 279.074	39.5	39.5	0.0262454	mg/L	0.0262454	mg/L
1	Mn 257.610	-159.2	-159.0	-0.0006417	mg/L	-0.0006417	mg/L
1	Mo 202.031	2.9	2.9	-0.0083440	mg/L	-0.0083440	mg/L
1	Na 589.594	3226.5	3222.5	-0.0152894	mg/L	-0.0152894	mg/L
1	Ni 231.603	90.0	89.9	0.0045795	mg/L	0.0045795	mg/L
1	Pb 220.353	-5.6	-5.6	-0.0081436	mg/L	-0.0081436	mg/L
1	Sb 206.831	-7.4	-7.4	-0.0899656	mg/L	-0.0899656	mg/L
1	Se 196.026	73.6	73.5	-0.0201045	mg/L	-0.0201045	mg/L
1	Si 251.611	1355.6	1353.9	-0.0099854	mg/L	-0.0099854	mg/L
1	Sn 189.933	-1.4	-1.4	-0.0058883	mg/L	-0.0058883	mg/L
1	Sr 407.771	703.5	702.6	-0.0018392	mg/L	-0.0018392	mg/L
1	Ti 334.941	1755.0	1752.8	0.0002289	mg/L	0.0002289	mg/L
1	Tl 190.800	13.7	13.7	-0.0124852	mg/L	-0.0124852	mg/L

1 V 292.402	-330.4	-330.0	-0.0003463 mg/L	-0.0003463 mg/L	
1 Zn 206.200	33.4	33.4	0.0148869 mg/L	0.0148869 mg/L	
2 Sc 357.253	415678.0	415678.0	99.9 mg/L		
2 Y 360.064	252031.4	252031.4	100.1 mg/L		
2 Ag 328.068	0.7	0.7	0.0018662 mg/L	0.0018662 mg/L	
2 Al 396.140	-143.8	-143.9	-0.0167129 mg/L	-0.0167129 mg/L	
2 As 188.979	2.7	2.7	-0.0110484 mg/L	-0.0110484 mg/L	
2 B 249.773	134.1	134.2	0.0010752 mg/L	0.0010752 mg/L	
2 Ba 455.403	8481.0	8489.5	-0.0013134 mg/L	-0.0013134 mg/L	
2 Be 234.861	109.1	109.2	0.0001362 mg/L	0.0001362 mg/L	
2 Ca 315.887	973.7	974.6	0.119244 mg/L	0.119244 mg/L	
2 Cd 214.438	46.6	46.7	-0.0005189 mg/L	-0.0005189 mg/L	
2 Ce 413.765	-150.1	-150.3	0.0166874 mg/L	0.0166874 mg/L	
2 Co 228.616	0.1	0.1	0.0030618 mg/L	0.0030618 mg/L	
2 Cr 205.560	58.1	58.1	0.0049126 mg/L	0.0049126 mg/L	
2 Cu 327.394	-99.4	-99.5	-0.0088926 mg/L	-0.0088926 mg/L	
2 Fe 238.204	173.5	173.7	0.0048231 mg/L	0.0048231 mg/L	
2 K 766.514	2213.8	2216.0	0.0138634 mg/L	0.0138634 mg/L	
2 Li 670.781	393.2	393.6	-0.0010726 mg/L	-0.0010726 mg/L	
2 Mg 279.074	17.7	17.7	0.0085803 mg/L	0.0085803 mg/L	
2 Mn 257.610	-156.8	-157.0	-0.0006137 mg/L	-0.0006137 mg/L	
2 Mo 202.031	3.3	3.3	-0.0078343 mg/L	-0.0078343 mg/L	
2 Na 589.594	3050.2	3053.3	-0.0267425 mg/L	-0.0267425 mg/L	
2 Ni 231.603	83.8	83.9	0.0010268 mg/L	0.0010268 mg/L	
2 Pb 220.353	-15.4	-15.4	-0.0453490 mg/L	-0.0453490 mg/L	
2 Sb 206.831	5.9	5.9	-0.0213214 mg/L	-0.0213214 mg/L	
2 Se 196.026	79.3	79.4	0.0246217 mg/L	0.0246217 mg/L	
2 Si 251.611	1337.1	1338.4	-0.0131742 mg/L	-0.0131742 mg/L	
2 Sn 189.933	1.0	1.0	0.0190788 mg/L	0.0190788 mg/L	
2 Sr 407.771	828.6	829.4	-0.0017465 mg/L	-0.0017465 mg/L	
2 Ti 334.941	1809.2	1811.0	0.0008694 mg/L	0.0008694 mg/L	
2 Tl 190.800	15.1	15.1	-0.0036776 mg/L	-0.0036776 mg/L	
2 V 292.402	-292.7	-293.0	0.0021058 mg/L	0.0021058 mg/L	
2 Zn 206.200	51.6	51.7	0.0234126 mg/L	0.0234126 mg/L	

Mean Data

ID: 1000890-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: 2/3/10 10:17:29 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	416147.1	100.0	0.16	mg/L				0.16%
~~Y 360.064~~	~~252266.1~~	~~100.2~~	~~0.13~~	~~mg/L~~				0.13%
Ag 328.068	-15.1	0.0012319	0.00089704	mg/L	0.0012319	0.00089704	mg/L	72.82%
Al 396.140	-76.8	-0.0077039	0.01274065	mg/L	-0.0077039	0.01274065	mg/L	165.38%
As 188.979	3.3	-0.0076891	0.00475081	mg/L	-0.0076891	0.00475081	mg/L	61.79%
B 249.773	134.5	0.0011079	0.00004614	mg/L	0.0011079	0.00004614	mg/L	4.17%
Ba 455.403	8523.0	-0.0012586	0.00007749	mg/L	-0.0012586	0.00007749	mg/L	6.16%
Be 234.861	107.7	0.0001195	0.00002367	mg/L	0.0001195	0.00002367	mg/L	19.81%
Ca 315.887	998.1	0.121624	0.0033666	mg/L	0.121624	0.0033666	mg/L	2.77%
Cd 214.438	47.5	-0.0003848	0.00018973	mg/L	-0.0003848	0.00018973	mg/L	49.31%
Ce 413.765	-150.1	0.0167146	0.00003848	mg/L	0.0167146	0.00003848	mg/L	0.23%
Co 228.616	-2.1	0.0023631	0.00098802	mg/L	0.0023631	0.00098802	mg/L	41.81%
Cr 205.560	57.6	0.0044391	0.00066965	mg/L	0.0044391	0.00066965	mg/L	15.09%
Cu 327.394	-53.7	-0.0056660	0.00456312	mg/L	-0.0056660	0.00456312	mg/L	80.54%
Fe 238.204	180.2	0.0055607	0.00104308	mg/L	0.0055607	0.00104308	mg/L	18.76%
K 766.514	2215.6	0.0137458	0.00016636	mg/L	0.0137458	0.00016636	mg/L	1.21%
Li 670.781	321.7	-0.0015273	0.00064310	mg/L	-0.0015273	0.00064310	mg/L	42.11%
Mg 279.074	28.6	0.0174128	0.01249105	mg/L	0.0174128	0.01249105	mg/L	71.73%
Mn 257.610	-158.0	-0.0006277	0.00001981	mg/L	-0.0006277	0.00001981	mg/L	3.16%
Mo 202.031	3.1	-0.0080892	0.00036039	mg/L	-0.0080892	0.00036039	mg/L	4.46%
Na 589.594	3137.9	-0.0210160	0.00809857	mg/L	-0.0210160	0.00809857	mg/L	38.54%
Ni 231.603	86.9	0.0028031	0.00251211	mg/L	0.0028031	0.00251211	mg/L	89.62%
Pb 220.353	-10.5	-0.0267463	0.02630825	mg/L	-0.0267463	0.02630825	mg/L	98.36%
Sb 206.831	-0.8	-0.0556435	0.04853876	mg/L	-0.0556435	0.04853876	mg/L	87.23%
Se 196.026	76.4	0.0022586	0.03162622	mg/L	0.0022586	0.03162622	mg/L	>999.9%
Si 251.611	1346.2	-0.0115798	0.00225485	mg/L	-0.0115798	0.00225485	mg/L	19.47%
Sn 189.933	-0.2	0.0065953	0.01765440	mg/L	0.0065953	0.01765440	mg/L	267.68%
Sr 407.771	766.0	-0.0017929	0.00006553	mg/L	-0.0017929	0.00006553	mg/L	3.65%
Ti 334.941	1781.9	0.0005491	0.00045290	mg/L	0.0005491	0.00045290	mg/L	82.48%

Tl 190.800	14.4	-0.0080814	0.00622795 mg/L		-0.0080814	0.00622795 mg/L	77.07%
V 292.402	-311.5	0.0008797	0.00173391 mg/L		0.0008797	0.00173391 mg/L	197.09%
Zn 206.200	42.5	0.0191497	0.00602861 mg/L		0.0191497	0.00602861 mg/L	31.48%

Replicate Data

ID: 1000890-BS1 Date: 2/3/10 10:20:51 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	416631.2	416631.2	100.1	mg/L		
1	Y 360.064	252041.5	252041.5	100.1	mg/L		
1	Ag 328.068	6130.1	6122.2	0.247750	mg/L	0.247750	mg/L
1	Al 396.140	9490.1	9477.8	1.27518	mg/L	1.27518	mg/L
1	As 188.979	229.3	229.0	1.31108	mg/L	1.31108	mg/L
1	B 249.773	2642.1	2638.7	0.246175	mg/L	0.246175	mg/L
1	Ba 455.403	169400.1	169180.7	0.260862	mg/L	0.260862	mg/L
1	Be 234.861	2369.2	2366.2	0.0257639	mg/L	0.0257639	mg/L
1	Ca 315.887	128720.5	128553.8	13.0682	mg/L	13.0682	mg/L
1	Cd 214.438	1721.4	1719.2	0.259436	mg/L	0.259436	mg/L
1	Ce 413.765	-198.2	-197.9	0.0094883	mg/L	0.0094883	mg/L
1	Co 228.616	827.5	826.4	0.258373	mg/L	0.258373	mg/L
1	Cr 205.560	343.0	342.6	0.264399	mg/L	0.264399	mg/L
1	Cu 327.394	3683.8	3679.0	0.257284	mg/L	0.257284	mg/L
1	Fe 238.204	2477.5	2474.3	0.265881	mg/L	0.265881	mg/L
1	K 766.514	43417.6	43361.4	12.9531	mg/L	12.9531	mg/L
1	Li 670.781	41554.0	41500.2	0.258797	mg/L	0.258797	mg/L
1	Mg 279.074	16070.0	16049.2	13.0180	mg/L	13.0180	mg/L
1	Mn 257.610	19114.1	19089.3	0.260594	mg/L	0.260594	mg/L
1	Mo 202.031	180.9	180.7	0.263272	mg/L	0.263272	mg/L
1	Na 589.594	195042.5	194789.9	12.9517	mg/L	12.9517	mg/L
1	Ni 231.603	524.3	523.6	0.263028	mg/L	0.263028	mg/L
1	Pb 220.353	68.1	68.0	0.270841	mg/L	0.270841	mg/L
1	Sb 206.831	251.9	251.6	1.24452	mg/L	1.24452	mg/L
1	Se 196.026	242.3	242.0	1.26122	mg/L	1.26122	mg/L
1	Si 251.611	5212.7	5206.0	0.780409	mg/L	0.780409	mg/L
1	Sn 189.933	126.2	126.0	1.29812	mg/L	1.29812	mg/L
1	Sr 407.771	360828.4	360361.1	0.261025	mg/L	0.261025	mg/L
1	Ti 334.941	25990.9	25957.2	0.266573	mg/L	0.266573	mg/L
1	Tl 190.800	219.8	219.5	1.27582	mg/L	1.27582	mg/L
1	V 292.402	3613.9	3609.2	0.260842	mg/L	0.260842	mg/L
1	Zn 206.200	572.3	571.6	0.266016	mg/L	0.266016	mg/L
2	Sc 357.253	420426.5	420426.5	101.0	mg/L		
2	Y 360.064	255062.8	255062.8	101.3	mg/L		
2	Ag 328.068	6187.2	6123.4	0.247799	mg/L	0.247799	mg/L
2	Al 396.140	9492.0	9394.2	1.26395	mg/L	1.26395	mg/L
2	As 188.979	225.3	223.0	1.27606	mg/L	1.27606	mg/L
2	B 249.773	2643.0	2615.7	0.243927	mg/L	0.243927	mg/L
2	Ba 455.403	168868.4	167127.3	0.257512	mg/L	0.257512	mg/L
2	Be 234.861	2400.8	2376.0	0.0258758	mg/L	0.0258758	mg/L
2	Ca 315.887	128667.6	127340.9	12.9451	mg/L	12.9451	mg/L
2	Cd 214.438	1728.9	1711.1	0.258184	mg/L	0.258184	mg/L
2	Ce 413.765	-234.5	-232.1	0.0043315	mg/L	0.0043315	mg/L
2	Co 228.616	820.9	812.4	0.254037	mg/L	0.254037	mg/L
2	Cr 205.560	352.5	348.9	0.270150	mg/L	0.270150	mg/L
2	Cu 327.394	3603.9	3566.7	0.249373	mg/L	0.249373	mg/L
2	Fe 238.204	2423.7	2398.7	0.257301	mg/L	0.257301	mg/L
2	K 766.514	43218.6	42772.9	12.7680	mg/L	12.7680	mg/L
2	Li 670.781	41381.8	40955.2	0.255351	mg/L	0.255351	mg/L
2	Mg 279.074	15883.5	15719.7	12.7506	mg/L	12.7506	mg/L
2	Mn 257.610	18929.1	18734.0	0.255771	mg/L	0.255771	mg/L
2	Mo 202.031	186.9	184.9	0.269841	mg/L	0.269841	mg/L
2	Na 589.594	194780.0	192771.7	12.8150	mg/L	12.8150	mg/L
2	Ni 231.603	519.0	513.7	0.257096	mg/L	0.257096	mg/L
2	Pb 220.353	70.9	70.1	0.279056	mg/L	0.279056	mg/L
2	Sb 206.831	253.7	251.1	1.24191	mg/L	1.24191	mg/L
2	Se 196.026	250.8	248.2	1.30909	mg/L	1.30909	mg/L
2	Si 251.611	5176.3	5122.9	0.763365	mg/L	0.763365	mg/L
2	Sn 189.933	127.6	126.3	1.30115	mg/L	1.30115	mg/L
2	Sr 407.771	360517.8	356800.7	0.258423	mg/L	0.258423	mg/L
2	Ti 334.941	25611.5	25347.4	0.259863	mg/L	0.259863	mg/L

2 Tl 190.800	229.8	227.4	1.32526 mg/L	1.32526 mg/L
2 V 292.402	3635.4	3597.9	0.260092 mg/L	0.260092 mg/L
2 Zn 206.200	591.1	585.0	0.272250 mg/L	0.272250 mg/L

Mean Data

ID: 1000890-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: 2/3/10 10:20:51 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	418528.8	100.6	0.64	mg/L				0.64%
Y 360.064	253552.2	100.7	0.85	mg/L				0.84%
Ag 328.068	6122.8	0.247774	0.0000349	mg/L	0.247774	0.0000349	mg/L	0.01%
Al 396.140	9436.0	1.26956	0.007943	mg/L	1.26956	0.007943	mg/L	0.63%
As 188.979	226.0	1.29357	0.024766	mg/L	1.29357	0.024766	mg/L	1.91%
B 249.773	2627.2	0.245051	0.0015902	mg/L	0.245051	0.0015902	mg/L	0.65%
Ba 455.403	168154.0	0.259187	0.0023690	mg/L	0.259187	0.0023690	mg/L	0.91%
Be 234.861	2371.1	0.0258198	0.00007908	mg/L	0.0258198	0.00007908	mg/L	0.31%
Ca 315.887	127947.4	13.0066	0.08707	mg/L	13.0066	0.08707	mg/L	0.67%
Cd 214.438	1715.1	0.258810	0.0008856	mg/L	0.258810	0.0008856	mg/L	0.34%
Ce 413.765	-215.0	0.0069099	0.00364641	mg/L	0.0069099	0.00364641	mg/L	52.77%
Co 228.616	819.4	0.256205	0.0030662	mg/L	0.256205	0.0030662	mg/L	1.20%
Cr 205.560	345.7	0.267275	0.0040664	mg/L	0.267275	0.0040664	mg/L	1.52%
Cu 327.394	3622.9	0.253328	0.0055937	mg/L	0.253328	0.0055937	mg/L	2.21%
Fe 238.204	2436.5	0.261591	0.0060670	mg/L	0.261591	0.0060670	mg/L	2.32%
K 766.514	43067.2	12.8605	0.13085	mg/L	12.8605	0.13085	mg/L	1.02%
Li 670.781	41227.7	0.257074	0.0024363	mg/L	0.257074	0.0024363	mg/L	0.95%
Mg 279.074	15884.5	12.8843	0.18903	mg/L	12.8843	0.18903	mg/L	1.47%
Mn 257.610	18911.7	0.258182	0.0034105	mg/L	0.258182	0.0034105	mg/L	1.32%
Mo 202.031	182.8	0.266557	0.0046455	mg/L	0.266557	0.0046455	mg/L	1.74%
Na 589.594	193780.8	12.8834	0.09662	mg/L	12.8834	0.09662	mg/L	0.75%
Ni 231.603	518.7	0.260062	0.0041951	mg/L	0.260062	0.0041951	mg/L	1.61%
Pb 220.353	69.1	0.274949	0.0058085	mg/L	0.274949	0.0058085	mg/L	2.11%
Sb 206.831	251.4	1.24322	0.001849	mg/L	1.24322	0.001849	mg/L	0.15%
Se 196.026	245.1	1.28516	0.033851	mg/L	1.28516	0.033851	mg/L	2.63%
Si 251.611	5164.5	0.771887	0.0120517	mg/L	0.771887	0.0120517	mg/L	1.56%
Sn 189.933	126.1	1.29963	0.002139	mg/L	1.29963	0.002139	mg/L	0.16%
Sr 407.771	358580.9	0.259724	0.0018400	mg/L	0.259724	0.0018400	mg/L	0.71%
Ti 334.941	25652.3	0.263218	0.0047447	mg/L	0.263218	0.0047447	mg/L	1.80%
Tl 190.800	223.4	1.30054	0.034954	mg/L	1.30054	0.034954	mg/L	2.69%
V 292.402	3603.6	0.260467	0.0005305	mg/L	0.260467	0.0005305	mg/L	0.20%
Zn 206.200	578.3	0.269133	0.0044080	mg/L	0.269133	0.0044080	mg/L	1.64%

Replicate Data

ID: 1001382-01 Date: 2/3/10 10:24:17 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	418143.7	418143.7	100.5	mg/L		
1	Y 360.064	254274.0	254274.0	101.0	mg/L		
1	Ag 328.068	33.4	33.3	0.0031743	mg/L	0.0031743	mg/L
1	Al 396.140	422683.6	420609.3	56.4770	mg/L	56.4770	mg/L
1	As 188.979	49.2	49.0	0.259265	mg/L	0.259265	mg/L
1	B 249.773	3961.6	3942.1	0.0117063	mg/L	0.0117063	mg/L
1	Ba 455.403	650734.1	647540.6	1.04133	mg/L	1.04133	mg/L
1	Be 234.861	1683.6	1675.4	0.0013604	mg/L	0.0013604	mg/L
1	Ca 315.887	2117301.6	2106911.1	213.891	mg/L	213.891	mg/L
1	Cd 214.438	201.4	200.4	0.0134130	mg/L	0.0134130	mg/L
1	Ce 413.765	792.6	788.7	0.158548	mg/L	0.158548	mg/L
1	Co 228.616	259.7	258.4	0.0298834	mg/L	0.0298834	mg/L
1	Cr 205.560	250.2	249.0	0.160598	mg/L	0.160598	mg/L
1	Cu 327.394	3226.2	3210.3	0.247019	mg/L	0.247019	mg/L
1	Fe 238.204	1186157.3	1180336.3	133.923	mg/L	133.923	mg/L
1	K 766.514	13786.7	13719.0	3.67517	mg/L	3.67517	mg/L
1	Li 670.781	9679.9	9632.4	0.0573332	mg/L	0.0573332	mg/L
1	Mg 279.074	81299.6	80900.6	65.5582	mg/L	65.5582	mg/L
1	Mn 257.610	455803.8	453566.9	6.15725	mg/L	6.15725	mg/L
1	Mo 202.031	-6.3	-6.3	-0.0224117	mg/L	-0.0224117	mg/L
1	Na 589.594	12963.4	12899.8	0.666925	mg/L	0.666925	mg/L
1	Ni 231.603	323.7	322.1	0.142958	mg/L	0.142958	mg/L

1 Pb 220.353	122.8	122.2	0.476516 mg/L	0.476516 mg/L	
1 Sb 206.831	-25.9	-25.8	-0.0617670 mg/L	-0.0617670 mg/L	
1 Se 196.026	78.1	77.7	0.0118929 mg/L	0.0118929 mg/L	
1 Si 251.611	15630.7	15554.0	2.65977 mg/L	2.65977 mg/L	
1 Sn 189.933	-35.5	-35.3	-0.352906 mg/L	-0.352906 mg/L	
1 Sr 407.771	584028.8	581162.7	0.422403 mg/L	0.422403 mg/L	
1 Ti 334.941	155623.7	154860.0	1.68501 mg/L	1.68501 mg/L	
1 Tl 190.800	-4.5	-4.5	-0.0225506 mg/L	-0.0225506 mg/L	
1 V 292.402	2341.0	2329.5	0.156341 mg/L	0.156341 mg/L	
1 Zn 206.200	1765.8	1757.1	0.819174 mg/L	0.819174 mg/L	
2 Sc 357.253	417741.0	417741.0	100.4 mg/L		
2 Y 360.064	253727.8	253727.8	100.7 mg/L		
2 Ag 328.068	38.3	38.1	0.0033695 mg/L	0.0033695 mg/L	
2 Al 396.140	419344.5	417688.8	56.0849 mg/L	56.0849 mg/L	
2 As 188.979	32.2	32.1	0.160747 mg/L	0.160747 mg/L	
2 B 249.773	3961.2	3945.5	0.0133668 mg/L	0.0133668 mg/L	
2 Ba 455.403	646105.0	643553.9	1.03482 mg/L	1.03482 mg/L	
2 Be 234.861	1733.7	1726.9	0.0020057 mg/L	0.0020057 mg/L	
2 Ca 315.887	2107765.5	2099443.4	213.133 mg/L	213.133 mg/L	
2 Cd 214.438	212.2	211.3	0.0151434 mg/L	0.0151434 mg/L	
2 Ce 413.765	707.8	705.0	0.145908 mg/L	0.145908 mg/L	
2 Co 228.616	275.3	274.2	0.0349609 mg/L	0.0349609 mg/L	
2 Cr 205.560	245.7	244.7	0.156779 mg/L	0.156779 mg/L	
2 Cu 327.394	3110.7	3098.4	0.239054 mg/L	0.239054 mg/L	
2 Fe 238.204	1180664.4	1176002.8	133.431 mg/L	133.431 mg/L	
2 K 766.514	13636.2	13582.3	3.63199 mg/L	3.63199 mg/L	
2 Li 670.781	9682.8	9644.5	0.0574101 mg/L	0.0574101 mg/L	
2 Mg 279.074	80731.6	80412.9	65.1627 mg/L	65.1627 mg/L	
2 Mn 257.610	453187.8	451398.5	6.12782 mg/L	6.12782 mg/L	
2 Mo 202.031	-7.6	-7.5	-0.0243481 mg/L	-0.0243481 mg/L	
2 Na 589.594	12911.8	12860.8	0.664172 mg/L	0.664172 mg/L	
2 Ni 231.603	307.8	306.6	0.133703 mg/L	0.133703 mg/L	
2 Pb 220.353	114.0	113.6	0.443793 mg/L	0.443793 mg/L	
2 Sb 206.831	-11.2	-11.1	0.0132922 mg/L	0.0132922 mg/L	
2 Se 196.026	69.4	69.2	-0.0529782 mg/L	-0.0529782 mg/L	
2 Si 251.611	15612.1	15550.5	2.66052 mg/L	2.66052 mg/L	
2 Sn 189.933	-35.3	-35.2	-0.352086 mg/L	-0.352086 mg/L	
2 Sr 407.771	579755.1	577466.1	0.419701 mg/L	0.419701 mg/L	
2 Ti 334.941	154634.4	154023.8	1.67581 mg/L	1.67581 mg/L	
2 Tl 190.800	10.2	10.2	0.0685520 mg/L	0.0685520 mg/L	
2 V 292.402	2267.1	2258.2	0.151686 mg/L	0.151686 mg/L	
2 Zn 206.200	1764.6	1757.6	0.819412 mg/L	0.819412 mg/L	

Mean Data

ID: 1001382-01 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: 2/3/10 10:24:17 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	417942.3	100.4	0.07	mg/L				0.07%
Y 360.064	254000.9	100.8	0.15	mg/L				0.15%
Ag 328.068	35.7	0.0032719	0.00013806	mg/L	0.0032719	0.00013806	mg/L	4.22%
Al 396.140	419149.1	56.2810	0.27728	mg/L	56.2810	0.27728	mg/L	0.49%
As 188.979	40.5	0.210006	0.0696624	mg/L	0.210006	0.0696624	mg/L	33.17%
B 249.773	3943.8	0.0125365	0.00117413	mg/L	0.0125365	0.00117413	mg/L	9.37%
Ba 455.403	645547.3	1.03808	0.004599	mg/L	1.03808	0.004599	mg/L	0.44%
Be 234.861	1701.1	0.0016831	0.00045631	mg/L	0.0016831	0.00045631	mg/L	27.11%
Ca 315.887	2103177.2	213.512	0.5360	mg/L	213.512	0.5360	mg/L	0.25%
Cd 214.438	205.9	0.0142782	0.00122358	mg/L	0.0142782	0.00122358	mg/L	8.57%
Ce 413.765	746.9	0.152228	0.0089372	mg/L	0.152228	0.0089372	mg/L	5.87%
Co 228.616	266.3	0.0324222	0.00359027	mg/L	0.0324222	0.00359027	mg/L	11.07%
Cr 205.560	246.8	0.158688	0.0027004	mg/L	0.158688	0.0027004	mg/L	1.70%
Cu 327.394	3154.4	0.243036	0.0056322	mg/L	0.243036	0.0056322	mg/L	2.32%
Fe 238.204	1178169.5	133.677	0.3477	mg/L	133.677	0.3477	mg/L	0.26%
K 766.514	13650.7	3.65358	0.030531	mg/L	3.65358	0.030531	mg/L	0.84%
Li 670.781	9638.5	0.0573717	0.00005439	mg/L	0.0573717	0.00005439	mg/L	0.09%
Mg 279.074	80656.8	65.3605	0.27963	mg/L	65.3605	0.27963	mg/L	0.43%
Mn 257.610	452482.7	6.14253	0.020810	mg/L	6.14253	0.020810	mg/L	0.34%
Mo 202.031	-6.9	-0.0233799	0.00136923	mg/L	-0.0233799	0.00136923	mg/L	5.86%
Na 589.594	12880.3	0.665549	0.0019463	mg/L	0.665549	0.0019463	mg/L	0.29%

Ni 231.603	314.4	0.138330	0.0065442	mg/L	0.138330	0.0065442 mg/L	4.73%
Pb 220.353	117.9	0.460154	0.0231383	mg/L	0.460154	0.0231383 mg/L	5.03%
Sb 206.831	-18.5	-0.0242374	0.05307483	mg/L	-0.0242374	0.05307483 mg/L	218.98%
Se 196.026	73.4	-0.0205427	0.04587082	mg/L	-0.0205427	0.04587082 mg/L	223.30%
Si 251.611	15552.3	2.66014	0.000532	mg/L	2.66014	0.000532 mg/L	0.02%
Sn 189.933	-35.2	-0.352496	0.0005804	mg/L	-0.352496	0.0005804 mg/L	0.16%
Sr 407.771	579314.4	0.421052	0.0019104	mg/L	0.421052	0.0019104 mg/L	0.45%
Ti 334.941	154441.9	1.68041	0.006506	mg/L	1.68041	0.006506 mg/L	0.39%
Tl 190.800	2.8	0.0230007	0.06441926	mg/L	0.0230007	0.06441926 mg/L	280.08%
V 292.402	2293.8	0.154013	0.0032922	mg/L	0.154013	0.0032922 mg/L	2.14%
Zn 206.200	1757.4	0.819293	0.0001687	mg/L	0.819293	0.0001687 mg/L	0.02%

Replicate Data

ID: 1001382-02 Date: 2/3/10 10:27:47 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	417390.3	417390.3	100.3	mg/L		
1	Y 360.064	253781.5	253781.5	100.8	mg/L		
1	Ag 328.068	-2.0	-2.0	0.0017590	mg/L	0.0017590	mg/L
1	Al 396.140	519815.9	518198.5	69.5802	mg/L	69.5802	mg/L
1	As 188.979	45.9	45.8	0.240527	mg/L	0.240527	mg/L
1	B 249.773	5615.3	5597.9	0.0196585	mg/L	0.0196585	mg/L
1	Ba 455.403	860708.2	858030.1	1.38475	mg/L	1.38475	mg/L
1	Be 234.861	2351.5	2344.2	0.0019072	mg/L	0.0019072	mg/L
1	Ca 315.887	2347192.7	2339889.5	237.543	mg/L	237.543	mg/L
1	Cd 214.438	251.8	251.1	0.0110497	mg/L	0.0110497	mg/L
1	Ce 413.765	961.7	958.7	0.184229	mg/L	0.184229	mg/L
1	Co 228.616	382.5	381.3	0.0452867	mg/L	0.0452867	mg/L
1	Cr 205.560	319.8	318.8	0.216478	mg/L	0.216478	mg/L
1	Cu 327.394	5440.6	5423.6	0.405453	mg/L	0.405453	mg/L
1	Fe 238.204	1687897.2	1682645.4	190.922	mg/L	190.922	mg/L
1	K 766.514	16913.1	16860.5	4.67604	mg/L	4.67604	mg/L
1	Li 670.781	11821.9	11785.1	0.0709424	mg/L	0.0709424	mg/L
1	Mg 279.074	64514.0	64313.3	52.0579	mg/L	52.0579	mg/L
1	Mn 257.610	582661.9	580849.0	7.88470	mg/L	7.88470	mg/L
1	Mo 202.031	-1.4	-1.4	-0.0149432	mg/L	-0.0149432	mg/L
1	Na 589.594	16071.5	16021.5	0.883044	mg/L	0.883044	mg/L
1	Ni 231.603	366.6	365.5	0.155615	mg/L	0.155615	mg/L
1	Pb 220.353	208.6	208.0	0.801610	mg/L	0.801610	mg/L
1	Sb 206.831	-13.3	-13.2	0.0551518	mg/L	0.0551518	mg/L
1	Se 196.026	65.0	64.8	-0.0859610	mg/L	-0.0859610	mg/L
1	Si 251.611	30906.9	30810.7	5.84027	mg/L	5.84027	mg/L
1	Sn 189.933	-26.9	-26.8	-0.265880	mg/L	-0.265880	mg/L
1	Sr 407.771	800374.4	797884.1	0.580799	mg/L	0.580799	mg/L
1	Ti 334.941	172469.7	171933.1	1.87288	mg/L	1.87288	mg/L
1	Tl 190.800	-12.4	-12.4	-0.0431174	mg/L	-0.0431174	mg/L
1	V 292.402	2804.9	2796.2	0.178923	mg/L	0.178923	mg/L
1	Zn 206.200	2215.8	2208.9	1.02997	mg/L	1.02997	mg/L
2	Sc 357.253	419956.4	419956.4	100.9	mg/L		
2	Y 360.064	255537.8	255537.8	101.5	mg/L		
2	Ag 328.068	-38.2	-37.9	0.0003176	mg/L	0.0003176	mg/L
2	Al 396.140	517844.9	513079.4	68.8928	mg/L	68.8928	mg/L
2	As 188.979	43.5	43.1	0.224929	mg/L	0.224929	mg/L
2	B 249.773	5575.8	5524.5	0.0163756	mg/L	0.0163756	mg/L
2	Ba 455.403	857094.0	849206.4	1.37036	mg/L	1.37036	mg/L
2	Be 234.861	2301.5	2280.4	0.0013605	mg/L	0.0013605	mg/L
2	Ca 315.887	2341329.1	2319782.5	235.502	mg/L	235.502	mg/L
2	Cd 214.438	261.1	258.7	0.0124093	mg/L	0.0124093	mg/L
2	Ce 413.765	1012.1	1002.8	0.190886	mg/L	0.190886	mg/L
2	Co 228.616	386.1	382.5	0.0462524	mg/L	0.0462524	mg/L
2	Cr 205.560	320.6	317.7	0.215641	mg/L	0.215641	mg/L
2	Cu 327.394	5363.3	5313.9	0.397505	mg/L	0.397505	mg/L
2	Fe 238.204	1685435.3	1669924.7	189.479	mg/L	189.479	mg/L
2	K 766.514	16774.8	16620.5	4.60012	mg/L	4.60012	mg/L
2	Li 670.781	11813.0	11704.3	0.0704315	mg/L	0.0704315	mg/L
2	Mg 279.074	64506.0	63912.4	51.7335	mg/L	51.7335	mg/L
2	Mn 257.610	581503.3	576151.9	7.82095	mg/L	7.82095	mg/L
2	Mo 202.031	-10.9	-10.8	-0.0292788	mg/L	-0.0292788	mg/L
2	Na 589.594	16102.1	15953.9	0.878218	mg/L	0.878218	mg/L

2 Ni 231.603	365.7	362.3	0.153848 mg/L	0.153848 mg/L	
2 Pb 220.353	204.8	202.9	0.782511 mg/L	0.782511 mg/L	
2 Sb 206.831	-25.0	-24.7	-0.0054108 mg/L	-0.0054108 mg/L	
2 Se 196.026	62.4	61.8	-0.109036 mg/L	-0.109036 mg/L	
2 Si 251.611	31165.6	30878.8	5.85544 mg/L	5.85544 mg/L	
2 Sn 189.933	-24.0	-23.7	-0.234626 mg/L	-0.234626 mg/L	
2 Sr 407.771	796663.6	789332.1	0.574548 mg/L	0.574548 mg/L	
2 Ti 334.941	172445.3	170858.3	1.86106 mg/L	1.86106 mg/L	
2 Tl 190.800	-6.7	-6.7	-0.0081651 mg/L	-0.0081651 mg/L	
2 V 292.402	2869.2	2842.8	0.182224 mg/L	0.182224 mg/L	
2 Zn 206.200	2200.9	2180.6	1.01680 mg/L	1.01680 mg/L	

Mean Data

ID: 1001382-02 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: 2/3/10 10:27:47 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	418673.3	100.6	0.44	mg/L				0.43%
Y 360.064	254659.7	101.1	0.49	mg/L				0.49%
Ag 328.068	-19.9	0.0010383	0.00101924	mg/L	0.0010383	0.00101924	mg/L	98.17%
Al 396.140	515639.0	69.2365	0.48602	mg/L	69.2365	0.48602	mg/L	0.70%
As 188.979	44.4	0.232728	0.0110295	mg/L	0.232728	0.0110295	mg/L	4.74%
B 249.773	5561.2	0.0180170	0.00232135	mg/L	0.0180170	0.00232135	mg/L	12.88%
Ba 455.403	853618.2	1.37755	0.010180	mg/L	1.37755	0.010180	mg/L	0.74%
Be 234.861	2312.3	0.0016338	0.00038659	mg/L	0.0016338	0.00038659	mg/L	23.66%
Ca 315.887	2329836.0	236.522	1.4432	mg/L	236.522	1.4432	mg/L	0.61%
Cd 214.438	254.9	0.0117295	0.00096142	mg/L	0.0117295	0.00096142	mg/L	8.20%
Ce 413.765	980.7	0.187558	0.0047073	mg/L	0.187558	0.0047073	mg/L	2.51%
Co 228.616	381.9	0.0457695	0.00068284	mg/L	0.0457695	0.00068284	mg/L	1.49%
Cr 205.560	318.3	0.216060	0.0005921	mg/L	0.216060	0.0005921	mg/L	0.27%
Cu 327.394	5368.8	0.401479	0.0056202	mg/L	0.401479	0.0056202	mg/L	1.40%
Fe 238.204	1676285.1	190.201	1.0207	mg/L	190.201	1.0207	mg/L	0.54%
K 766.514	16740.5	4.63808	0.053684	mg/L	4.63808	0.053684	mg/L	1.16%
Li 670.781	11744.7	0.0706869	0.00036127	mg/L	0.0706869	0.00036127	mg/L	0.51%
Mg 279.074	64112.8	51.8957	0.22938	mg/L	51.8957	0.22938	mg/L	0.44%
Mn 257.610	578500.5	7.85282	0.045077	mg/L	7.85282	0.045077	mg/L	0.57%
Mo 202.031	-6.1	-0.0221110	0.01013685	mg/L	-0.0221110	0.01013685	mg/L	45.85%
Na 589.594	15987.7	0.880631	0.0034129	mg/L	0.880631	0.0034129	mg/L	0.39%
Ni 231.603	363.9	0.154731	0.0012490	mg/L	0.154731	0.0012490	mg/L	0.81%
Pb 220.353	205.5	0.792061	0.0135048	mg/L	0.792061	0.0135048	mg/L	1.71%
Sb 206.831	-19.0	0.0248705	0.04282418	mg/L	0.0248705	0.04282418	mg/L	172.19%
Se 196.026	63.3	-0.0974986	0.01631653	mg/L	-0.0974986	0.01631653	mg/L	16.74%
Si 251.611	30844.7	5.84785	0.010727	mg/L	5.84785	0.010727	mg/L	0.18%
Sn 189.933	-25.3	-0.250253	0.0221005	mg/L	-0.250253	0.0221005	mg/L	8.83%
Sr 407.771	793608.1	0.577674	0.0044197	mg/L	0.577674	0.0044197	mg/L	0.77%
Ti 334.941	171395.7	1.86697	0.008363	mg/L	1.86697	0.008363	mg/L	0.45%
Tl 190.800	-9.5	-0.0256413	0.02471495	mg/L	-0.0256413	0.02471495	mg/L	96.39%
V 292.402	2819.5	0.180574	0.0023345	mg/L	0.180574	0.0023345	mg/L	1.29%
Zn 206.200	2194.8	1.02338	0.009310	mg/L	1.02338	0.009310	mg/L	0.91%

Replicate Data

ID: 1001382-03 Date: 2/3/10 10:31:21 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	412466.6	412466.6	99.1	mg/L		
1	Y 360.064	244635.8	244635.8	97.1	mg/L		
1	Ag 328.068	-98.0	-98.8	0.0119671	mg/L	0.0119671	mg/L
1	Al 396.140	497754.7	502129.3	67.5102	mg/L	67.5102	mg/L
1	As 188.979	74.3	74.9	0.410849	mg/L	0.410849	mg/L
1	B 249.773	17213.2	17364.5	0.163066	mg/L	0.163066	mg/L
1	Ba 455.403	1638991.5	1653396.2	2.68243	mg/L	2.68243	mg/L
1	Be 234.861	5701.7	5751.9	-0.0055116	mg/L	-0.0055116	mg/L
1	Ca 315.887	6520900.1	6578210.8	667.754	mg/L	667.754	mg/L
1	Cd 214.438	706.1	712.3	0.0551687	mg/L	0.0551687	mg/L
1	Ce 413.765	801.8	808.8	0.161584	mg/L	0.161584	mg/L
1	Co 228.616	809.1	816.2	0.0321142	mg/L	0.0321142	mg/L
1	Cr 205.560	1088.7	1098.2	0.876200	mg/L	0.876200	mg/L
1	Cu 327.394	47799.3	48219.4	3.46598	mg/L	3.46598	mg/L

1	Fe 238.204	4925789.4	4969081.0	563.849	mg/L	563.849 mg/L
1	K 766.514	20108.4	20285.1	5.84960	mg/L	5.84960 mg/L
1	Li 670.781	12006.2	12111.7	0.0730072	mg/L	0.0730072 mg/L
1	Mg 279.074	110979.9	111955.3	90.5328	mg/L	90.5328 mg/L
1	Mn 257.610	494246.8	498590.6	6.76830	mg/L	6.76830 mg/L
1	Mo 202.031	-24.8	-25.0	-0.0510783	mg/L	-0.0510783 mg/L
1	Na 589.594	31290.3	31565.4	1.98285	mg/L	1.98285 mg/L
1	Ni 231.603	853.0	860.5	0.424866	mg/L	0.424866 mg/L
1	Pb 220.353	5528.3	5576.9	21.2694	mg/L	21.2694 mg/L
1	Sb 206.831	264.1	266.4	1.83782	mg/L	1.83782 mg/L
1	Se 196.026	66.1	66.7	-0.0718829	mg/L	-0.0718829 mg/L
1	Si 251.611	17065.2	17215.2	2.78466	mg/L	2.78466 mg/L
1	Sn 189.933	199.7	201.5	2.07094	mg/L	2.07094 mg/L
1	Sr 407.771	1172755.8	1183062.9	0.862315	mg/L	0.862315 mg/L
1	Ti 334.941	235626.4	237697.3	2.59655	mg/L	2.59655 mg/L
1	Tl 190.800	-17.0	-17.2	-0.0916862	mg/L	-0.0916862 mg/L
1	V 292.402	3697.4	3729.9	0.186127	mg/L	0.186127 mg/L
1	Zn 206.200	12438.1	12547.4	5.85396	mg/L	5.85396 mg/L
2	Sc 357.253	412668.4	412668.4	99.2	mg/L	
2	Y 360.064	243541.2	243541.2	96.7	mg/L	
2	Ag 328.068	-98.5	-99.3	0.0119625	mg/L	0.0119625 mg/L
2	Al 396.140	497252.9	501377.8	67.4093	mg/L	67.4093 mg/L
2	As 188.979	84.2	84.9	0.469345	mg/L	0.469345 mg/L
2	B 249.773	17175.3	17317.8	0.156938	mg/L	0.156938 mg/L
2	Ba 455.403	1637624.0	1651208.5	2.67886	mg/L	2.67886 mg/L
2	Be 234.861	5701.7	5749.0	-0.0056146	mg/L	-0.0056146 mg/L
2	Ca 315.887	6529097.4	6583257.9	668.266	mg/L	668.266 mg/L
2	Cd 214.438	718.1	724.1	0.0569717	mg/L	0.0569717 mg/L
2	Ce 413.765	731.8	737.9	0.150867	mg/L	0.150867 mg/L
2	Co 228.616	828.7	835.6	0.0378886	mg/L	0.0378886 mg/L
2	Cr 205.560	1064.1	1073.0	0.853048	mg/L	0.853048 mg/L
2	Cu 327.394	47602.7	47997.6	3.45041	mg/L	3.45041 mg/L
2	Fe 238.204	4933220.6	4974142.8	564.423	mg/L	564.423 mg/L
2	K 766.514	20002.0	20167.9	5.81285	mg/L	5.81285 mg/L
2	Li 670.781	12051.4	12151.4	0.0732579	mg/L	0.0732579 mg/L
2	Mg 279.074	110537.8	111454.7	90.1263	mg/L	90.1263 mg/L
2	Mn 257.610	494348.4	498449.1	6.76638	mg/L	6.76638 mg/L
2	Mo 202.031	-34.7	-35.0	-0.0662551	mg/L	-0.0662551 mg/L
2	Na 589.594	31156.9	31415.3	1.97273	mg/L	1.97273 mg/L
2	Ni 231.603	855.5	862.6	0.426071	mg/L	0.426071 mg/L
2	Pb 220.353	5499.3	5544.9	21.1482	mg/L	21.1482 mg/L
2	Sb 206.831	252.3	254.4	1.77638	mg/L	1.77638 mg/L
2	Se 196.026	53.9	54.3	-0.165840	mg/L	-0.165840 mg/L
2	Si 251.611	17101.7	17243.5	2.79155	mg/L	2.79155 mg/L
2	Sn 189.933	197.4	199.0	2.04544	mg/L	2.04544 mg/L
2	Sr 407.771	1172314.0	1182038.6	0.861567	mg/L	0.861567 mg/L
2	Ti 334.941	236560.0	238522.4	2.60563	mg/L	2.60563 mg/L
2	Tl 190.800	-2.6	-2.7	-0.0009225	mg/L	-0.0009225 mg/L
2	V 292.402	3712.4	3743.2	0.186925	mg/L	0.186925 mg/L
2	Zn 206.200	12451.6	12554.8	5.85741	mg/L	5.85741 mg/L

Mean Data

ID: 1001382-03 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: 2/3/10 10:31:21 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	412567.5	99.2	0.03	mg/L				0.03%
Y 360.064	244088.5	96.9	0.31	mg/L				0.32%
Ag 328.068	-99.1	0.0119648	0.00000326	mg/L	0.0119648	0.00000326	mg/L	0.03%
Al 396.140	501753.5	67.4598	0.07131	mg/L	67.4598	0.07131	mg/L	0.11%
As 188.979	79.9	0.440097	0.0413628	mg/L	0.440097	0.0413628	mg/L	9.40%
B 249.773	17341.1	0.160002	0.0043335	mg/L	0.160002	0.0043335	mg/L	2.71%
Ba 455.403	1652302.3	2.68064	0.002524	mg/L	2.68064	0.002524	mg/L	0.09%
Be 234.861	5750.4	-0.0055631	0.00007281	mg/L	-0.0055631	0.00007281	mg/L	1.31%
Ca 315.887	6580734.3	668.010	0.3622	mg/L	668.010	0.3622	mg/L	0.05%
Cd 214.438	718.2	0.0560702	0.00127493	mg/L	0.0560702	0.00127493	mg/L	2.27%
Ce 413.765	773.3	0.156226	0.0075776	mg/L	0.156226	0.0075776	mg/L	4.85%
Co 228.616	825.9	0.0350014	0.00408314	mg/L	0.0350014	0.00408314	mg/L	11.67%
Cr 205.560	1085.6	0.864624	0.0163709	mg/L	0.864624	0.0163709	mg/L	1.89%

Cu 327.394	48108.5	3.45819	0.011008	mg/L	3.45819	0.011008 mg/L	0.32%
Fe 238.204	4971611.9	564.136	0.4062	mg/L	564.136	0.4062 mg/L	0.07%
K 766.514	20226.5	5.83123	0.025984	mg/L	5.83123	0.025984 mg/L	0.45%
Li 670.781	12131.5	0.0731326	0.00017733	mg/L	0.0731326	0.00017733 mg/L	0.24%
Mg 279.074	111705.0	90.3295	0.28744	mg/L	90.3295	0.28744 mg/L	0.32%
Mn 257.610	498519.9	6.76734	0.001358	mg/L	6.76734	0.001358 mg/L	0.02%
Mo 202.031	-30.0	-0.0586667	0.01073161	mg/L	-0.0586667	0.01073161 mg/L	18.29%
Na 589.594	31490.3	1.97779	0.007155	mg/L	1.97779	0.007155 mg/L	0.36%
Ni 231.603	861.5	0.425468	0.0008523	mg/L	0.425468	0.0008523 mg/L	0.20%
Pb 220.353	5560.9	21.2088	0.08569	mg/L	21.2088	0.08569 mg/L	0.40%
Sb 206.831	260.4	1.80710	0.043445	mg/L	1.80710	0.043445 mg/L	2.40%
Se 196.026	60.5	-0.118862	0.0664379	mg/L	-0.118862	0.0664379 mg/L	55.90%
Si 251.611	17229.4	2.78811	0.004874	mg/L	2.78811	0.004874 mg/L	0.17%
Sn 189.933	200.2	2.05819	0.018034	mg/L	2.05819	0.018034 mg/L	0.88%
Sr 407.771	1182550.8	0.861941	0.0005293	mg/L	0.861941	0.0005293 mg/L	0.06%
Ti 334.941	238109.8	2.60109	0.006420	mg/L	2.60109	0.006420 mg/L	0.25%
Tl 190.800	-9.9	-0.0463044	0.06417961	mg/L	-0.0463044	0.06417961 mg/L	138.60%
V 292.402	3736.6	0.186526	0.0005645	mg/L	0.186526	0.0005645 mg/L	0.30%
Zn 206.200	12551.1	5.85569	0.002442	mg/L	5.85569	0.002442 mg/L	0.04%

Replicate Data

ID: 1001382-04 Date: 2/3/10 10:34:56 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	412264.7	412264.7	99.1	mg/L		
1	Y 360.064	248600.0	248600.0	98.7	mg/L		
1	Ag 328.068	215.4	217.4	-0.0068937	mg/L	-0.0068937	mg/L
1	Al 396.140	546971.7	552049.1	74.2079	mg/L	74.2079	mg/L
1	As 188.979	61.7	62.3	0.337271	mg/L	0.337271	mg/L
1	B 249.773	4862.1	4907.2	0.0400647	mg/L	0.0400647	mg/L
1	Ba 455.403	2940523.5	2967819.4	4.82697	mg/L	4.82697	mg/L
1	Be 234.861	2262.9	2283.9	0.0052471	mg/L	0.0052471	mg/L
1	Ca 315.887	6150993.5	6208091.1	630.155	mg/L	630.155	mg/L
1	Cd 214.438	297.8	300.5	0.0207701	mg/L	0.0207701	mg/L
1	Ce 413.765	931.5	940.2	0.181430	mg/L	0.181430	mg/L
1	Co 228.616	332.0	335.1	0.0438933	mg/L	0.0438933	mg/L
1	Cr 205.560	497.3	501.9	0.387963	mg/L	0.387963	mg/L
1	Cu 327.394	16421.9	16574.4	1.23274	mg/L	1.23274	mg/L
1	Fe 238.204	1382945.1	1395782.5	158.371	mg/L	158.371	mg/L
1	K 766.514	18167.0	18335.6	5.15149	mg/L	5.15149	mg/L
1	Li 670.781	14638.4	14774.2	0.0898394	mg/L	0.0898394	mg/L
1	Mg 279.074	167011.4	168561.7	136.735	mg/L	136.735	mg/L
1	Mn 257.610	305555.7	308392.1	4.18696	mg/L	4.18696	mg/L
1	Mo 202.031	-16.0	-16.2	-0.0375844	mg/L	-0.0375844	mg/L
1	Na 589.594	27160.5	27412.6	1.67560	mg/L	1.67560	mg/L
1	Ni 231.603	391.8	395.4	0.175702	mg/L	0.175702	mg/L
1	Pb 220.353	1223.9	1235.3	4.69587	mg/L	4.69587	mg/L
1	Sb 206.831	-20.5	-20.6	-0.0128980	mg/L	-0.0128980	mg/L
1	Se 196.026	58.2	58.8	-0.131962	mg/L	-0.131962	mg/L
1	Si 251.611	32217.3	32516.3	5.74504	mg/L	5.74504	mg/L
1	Sn 189.933	-73.0	-73.7	-0.745960	mg/L	-0.745960	mg/L
1	Sr 407.771	1542605.3	1556924.8	1.13556	mg/L	1.13556	mg/L
1	Ti 334.941	251816.2	254153.8	2.77763	mg/L	2.77763	mg/L
1	Tl 190.800	14.0	14.1	-0.0098023	mg/L	-0.0098023	mg/L
1	V 292.402	2545.2	2568.8	0.168625	mg/L	0.168625	mg/L
1	Zn 206.200	8397.3	8475.2	3.95385	mg/L	3.95385	mg/L
2	Sc 357.253	413770.5	413770.5	99.4	mg/L		
2	Y 360.064	246799.5	246799.5	98.0	mg/L		
2	Ag 328.068	1.6	1.7	0.0019049	mg/L	0.0019049	mg/L
2	Al 396.140	545395.5	548455.0	73.7250	mg/L	73.7250	mg/L
2	As 188.979	79.0	79.5	0.437568	mg/L	0.437568	mg/L
2	B 249.773	4860.6	4887.9	0.0396415	mg/L	0.0396415	mg/L
2	Ba 455.403	2935237.7	2951703.7	4.80068	mg/L	4.80068	mg/L
2	Be 234.861	2172.8	2185.0	0.0041913	mg/L	0.0041913	mg/L
2	Ca 315.887	6153519.7	6188039.5	628.120	mg/L	628.120	mg/L
2	Cd 214.438	312.8	314.6	0.0230308	mg/L	0.0230308	mg/L
2	Ce 413.765	760.9	765.2	0.154998	mg/L	0.154998	mg/L
2	Co 228.616	357.2	359.2	0.0515764	mg/L	0.0515764	mg/L
2	Cr 205.560	505.6	508.4	0.393970	mg/L	0.393970	mg/L

2 Cu 327.394	16325.1	16416.7	1.22141 mg/L	1.22141 mg/L	
2 Fe 238.204	1383238.7	1390998.3	157.828 mg/L	157.828 mg/L	
2 K 766.514	17944.3	18045.0	5.05973 mg/L	5.05973 mg/L	
2 Li 670.781	14574.1	14655.9	0.0890912 mg/L	0.0890912 mg/L	
2 Mg 279.074	165436.8	166364.9	134.952 mg/L	134.952 mg/L	
2 Mn 257.610	302520.4	304217.5	4.13030 mg/L	4.13030 mg/L	
2 Mo 202.031	-19.8	-19.9	-0.0432840 mg/L	-0.0432840 mg/L	
2 Na 589.594	26955.0	27106.2	1.65457 mg/L	1.65457 mg/L	
2 Ni 231.603	392.8	395.0	0.175479 mg/L	0.175479 mg/L	
2 Pb 220.353	1222.8	1229.7	4.67482 mg/L	4.67482 mg/L	
2 Sb 206.831	-15.5	-15.6	0.0127822 mg/L	0.0127822 mg/L	
2 Se 196.026	64.1	64.4	-0.0890644 mg/L	-0.0890644 mg/L	
2 Si 251.611	31474.2	31650.8	5.57544 mg/L	5.57544 mg/L	
2 Sn 189.933	-66.2	-66.6	-0.673499 mg/L	-0.673499 mg/L	
2 Sr 407.771	1539766.2	1548403.9	1.12933 mg/L	1.12933 mg/L	
2 Ti 334.941	250076.7	251479.5	2.74821 mg/L	2.74821 mg/L	
2 Tl 190.800	14.1	14.2	-0.0091164 mg/L	-0.0091164 mg/L	
2 V 292.402	2600.0	2614.6	0.171741 mg/L	0.171741 mg/L	
2 Zn 206.200	8341.5	8388.3	3.91330 mg/L	3.91330 mg/L	

Mean Data

ID: 1001382-04 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: 2/3/10 10:34:56 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	413017.6	99.3	0.26	mg/L				0.26%
Y 360.064	247699.8	98.3	0.51	mg/L				0.51%
Ag 328.068	-107.9	-0.0024944	0.00622150	mg/L	-0.0024944	0.00622150	mg/L	249.42%
Al 396.140	550252.0	73.9665	0.34142	mg/L	73.9665	0.34142	mg/L	0.46%
As 188.979	70.9	0.387419	0.0709201	mg/L	0.387419	0.0709201	mg/L	18.31%
B 249.773	4897.6	0.0398531	0.00029926	mg/L	0.0398531	0.00029926	mg/L	0.75%
Ba 455.403	2959761.6	4.81383	0.018592	mg/L	4.81383	0.018592	mg/L	0.39%
Be 234.861	2234.4	0.0047192	0.00074652	mg/L	0.0047192	0.00074652	mg/L	15.82%
Ca 315.887	6198065.3	629.137	1.4393	mg/L	629.137	1.4393	mg/L	0.23%
Cd 214.438	307.5	0.0219005	0.00159854	mg/L	0.0219005	0.00159854	mg/L	7.30%
Ce 413.765	852.7	0.168214	0.0186897	mg/L	0.168214	0.0186897	mg/L	11.11%
Co 228.616	347.2	0.0477348	0.00543279	mg/L	0.0477348	0.00543279	mg/L	11.38%
Cr 205.560	505.1	0.390967	0.0042473	mg/L	0.390967	0.0042473	mg/L	1.09%
Cu 327.394	16495.5	1.22708	0.008009	mg/L	1.22708	0.008009	mg/L	0.65%
Fe 238.204	1393390.4	158.099	0.3839	mg/L	158.099	0.3839	mg/L	0.24%
K 766.514	18190.3	5.10561	0.064883	mg/L	5.10561	0.064883	mg/L	1.27%
Li 670.781	14715.1	0.0894653	0.00052902	mg/L	0.0894653	0.00052902	mg/L	0.59%
Mg 279.074	167463.3	135.843	1.2603	mg/L	135.843	1.2603	mg/L	0.93%
Mn 257.610	306304.8	4.15863	0.040063	mg/L	4.15863	0.040063	mg/L	0.96%
Mo 202.031	-18.1	-0.0404342	0.00403019	mg/L	-0.0404342	0.00403019	mg/L	9.97%
Na 589.594	27259.4	1.66509	0.014872	mg/L	1.66509	0.014872	mg/L	0.89%
Ni 231.603	395.2	0.175590	0.0001575	mg/L	0.175590	0.0001575	mg/L	0.09%
Pb 220.353	1232.5	4.68535	0.014886	mg/L	4.68535	0.014886	mg/L	0.32%
Sb 206.831	-18.1	-0.0000579	0.01815865	mg/L	-0.0000579	0.01815865	mg/L	>999.9%
Se 196.026	61.6	-0.110513	0.0303334	mg/L	-0.110513	0.0303334	mg/L	27.45%
Si 251.611	32083.5	5.66024	0.119919	mg/L	5.66024	0.119919	mg/L	2.12%
Sn 189.933	-70.1	-0.709729	0.0512376	mg/L	-0.709729	0.0512376	mg/L	7.22%
Sr 407.771	1552664.3	1.13245	0.004404	mg/L	1.13245	0.004404	mg/L	0.39%
Ti 334.941	252816.7	2.76292	0.020808	mg/L	2.76292	0.020808	mg/L	0.75%
Tl 190.800	14.2	-0.0094594	0.00048506	mg/L	-0.0094594	0.00048506	mg/L	5.13%
V 292.402	2591.7	0.170183	0.0022036	mg/L	0.170183	0.0022036	mg/L	1.29%
Zn 206.200	8431.8	3.93358	0.028679	mg/L	3.93358	0.028679	mg/L	0.73%

Replicate Data

ID: 1001382-05 Date: 2/3/10 10:38:38 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	413934.2	413934.2	99.5	mg/L		
1	Y 360.064	249087.0	249087.0	98.9	mg/L		
1	Ag 328.068	57.3	57.6	0.0107378	mg/L	0.0107378	mg/L
1	Al 396.140	370070.1	371998.9	50.0150	mg/L	50.0150	mg/L
1	As 188.979	56.6	56.9	0.305688	mg/L	0.305688	mg/L
1	B 249.773	7595.7	7635.3	0.0231741	mg/L	0.0231741	mg/L

1 Ba 455.403	6954435.2	6990681.8	11.3905 mg/L	11.3905 mg/L	
1 Be 234.861	3251.7	3268.6	0.0034439 mg/L	0.0034439 mg/L	
1 Ca 315.887	4837539.0	4862752.3	493.622 mg/L	493.622 mg/L	
1 Cd 214.438	438.7	441.0	0.0351509 mg/L	0.0351509 mg/L	
1 Ce 413.765	797.3	801.5	0.160474 mg/L	0.160474 mg/L	
1 Co 228.616	490.9	493.5	0.0512955 mg/L	0.0512955 mg/L	
1 Cr 205.560	357.8	359.7	0.243766 mg/L	0.243766 mg/L	
1 Cu 327.394	60725.9	61042.4	4.35077 mg/L	4.35077 mg/L	
1 Fe 238.204	2309166.9	2321202.3	263.382 mg/L	263.382 mg/L	
1 K 766.514	14917.2	14994.9	4.12041 mg/L	4.12041 mg/L	
1 Li 670.781	13733.3	13804.8	0.0837110 mg/L	0.0837110 mg/L	
1 Mg 279.074	217408.4	218541.5	177.206 mg/L	177.206 mg/L	
1 Mn 257.610	292575.1	294100.0	3.99299 mg/L	3.99299 mg/L	
1 Mo 202.031	-16.3	-16.4	-0.0378434 mg/L	-0.0378434 mg/L	
1 Na 589.594	19360.8	19461.7	1.13994 mg/L	1.13994 mg/L	
1 Ni 231.603	412.8	414.9	0.180102 mg/L	0.180102 mg/L	
1 Pb 220.353	1793.7	1803.0	6.90192 mg/L	6.90192 mg/L	
1 Sb 206.831	-41.0	-41.2	-0.0225439 mg/L	-0.0225439 mg/L	
1 Se 196.026	64.5	64.8	-0.0861118 mg/L	-0.0861118 mg/L	
1 Si 251.611	20475.9	20582.6	3.27654 mg/L	3.27654 mg/L	
1 Sn 189.933	-48.9	-49.2	-0.494931 mg/L	-0.494931 mg/L	
1 Sr 407.771	906984.0	911711.3	0.663992 mg/L	0.663992 mg/L	
1 Ti 334.941	165164.8	166025.6	1.80788 mg/L	1.80788 mg/L	
1 Tl 190.800	17.1	17.2	0.0094304 mg/L	0.0094304 mg/L	
1 V 292.402	2557.4	2570.7	0.153344 mg/L	0.153344 mg/L	
1 Zn 206.200	32248.7	32416.8	15.1250 mg/L	15.1250 mg/L	
2 Sc 357.253	414285.8	414285.8	99.6 mg/L		
2 Y 360.064	249388.3	249388.3	99.0 mg/L		
2 Ag 328.068	-2.7	-2.7	0.0083039 mg/L	0.0083039 mg/L	
2 Al 396.140	369331.0	370940.9	49.8730 mg/L	49.8730 mg/L	
2 As 188.979	56.3	56.6	0.303638 mg/L	0.303638 mg/L	
2 B 249.773	7614.9	7648.1	0.0256176 mg/L	0.0256176 mg/L	
2 Ba 455.403	6951256.0	6981555.4	11.3756 mg/L	11.3756 mg/L	
2 Be 234.861	3101.7	3115.2	0.0017562 mg/L	0.0017562 mg/L	
2 Ca 315.887	4845689.1	4866810.6	494.034 mg/L	494.034 mg/L	
2 Cd 214.438	437.1	439.0	0.0348994 mg/L	0.0348994 mg/L	
2 Ce 413.765	787.9	791.3	0.158938 mg/L	0.158938 mg/L	
2 Co 228.616	487.7	489.8	0.0503353 mg/L	0.0503353 mg/L	
2 Cr 205.560	359.6	361.2	0.245215 mg/L	0.245215 mg/L	
2 Cu 327.394	60331.9	60594.8	4.31929 mg/L	4.31929 mg/L	
2 Fe 238.204	2307255.0	2317311.9	262.941 mg/L	262.941 mg/L	
2 K 766.514	14812.4	14876.9	4.08318 mg/L	4.08318 mg/L	
2 Li 670.781	13577.2	13636.4	0.0826458 mg/L	0.0826458 mg/L	
2 Mg 279.074	217021.3	217967.3	176.740 mg/L	176.740 mg/L	
2 Mn 257.610	292173.2	293446.7	3.98412 mg/L	3.98412 mg/L	
2 Mo 202.031	-20.8	-20.9	-0.0447828 mg/L	-0.0447828 mg/L	W
2 Na 589.594	19237.1	19320.9	1.13037 mg/L	1.13037 mg/L	
2 Ni 231.603	408.0	409.8	0.177064 mg/L	0.177064 mg/L	
2 Pb 220.353	1761.7	1769.4	6.77446 mg/L	6.77446 mg/L	
2 Sb 206.831	-8.4	-8.5	0.145648 mg/L	0.145648 mg/L	
2 Se 196.026	54.8	55.1	-0.160052 mg/L	-0.160052 mg/L	
2 Si 251.611	20382.3	20471.1	3.25539 mg/L	3.25539 mg/L	
2 Sn 189.933	-53.6	-53.9	-0.543186 mg/L	-0.543186 mg/L	
2 Sr 407.771	904437.3	908379.6	0.661557 mg/L	0.661557 mg/L	
2 Ti 334.941	164926.9	165645.8	1.80370 mg/L	1.80370 mg/L	
2 Tl 190.800	-0.3	-0.3	-0.100124 mg/L	-0.100124 mg/L	
2 V 292.402	2522.4	2533.4	0.150938 mg/L	0.150938 mg/L	
2 Zn 206.200	32168.4	32308.6	15.0746 mg/L	15.0746 mg/L	

Mean Data

ID: 1001382-05 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: 2/3/10 10:38:38 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Sc 357.253	414110.0	99.5	0.06	mg/L				0.06%
Y 360.064	249237.6	99.0	0.08	mg/L				0.09%
Ag 328.068	27.4	0.0095208	0.00172100	mg/L	0.0095208	0.00172100	mg/L	18.08%
Al 396.140	371469.9	49.9440	0.10042	mg/L	49.9440	0.10042	mg/L	0.20%
As 188.979	56.7	0.304663	0.0014498	mg/L	0.304663	0.0014498	mg/L	0.48%

B 249.773	7641.7	0.0243958	0.00172785	mg/L	0.0243958	0.00172785 mg/L	7.08%
Ba 455.403	6986118.6	11.3830	0.01053	mg/L	11.3830	0.01053 mg/L	0.09%
Be 234.861	3191.9	0.0026000	0.00119337	mg/L	0.0026000	0.00119337 mg/L	45.90%
Ca 315.887	4864781.5	493.828	0.2912	mg/L	493.828	0.2912 mg/L	0.06%
Cd 214.438	440.0	0.0350252	0.00017780	mg/L	0.0350252	0.00017780 mg/L	0.51%
Ce 413.765	796.4	0.159706	0.0010862	mg/L	0.159706	0.0010862 mg/L	0.68%
Co 228.616	491.7	0.0508154	0.00067896	mg/L	0.0508154	0.00067896 mg/L	1.34%
Cr 205.560	360.4	0.244491	0.0010243	mg/L	0.244491	0.0010243 mg/L	0.42%
Cu 327.394	60818.6	4.33503	0.022264	mg/L	4.33503	0.022264 mg/L	0.51%
Fe 238.204	2319257.1	263.162	0.3122	mg/L	263.162	0.3122 mg/L	0.12%
K 766.514	14935.9	4.10179	0.026324	mg/L	4.10179	0.026324 mg/L	0.64%
Li 670.781	13720.6	0.0831784	0.00075321	mg/L	0.0831784	0.00075321 mg/L	0.91%
Mg 279.074	218254.4	176.973	0.3292	mg/L	176.973	0.3292 mg/L	0.19%
Mn 257.610	293773.3	3.98856	0.006269	mg/L	3.98856	0.006269 mg/L	0.16%
Mo 202.031	-18.6	-0.0413131	0.00490690	mg/L	-0.0413131	0.00490690 mg/L	11.88%
Na 589.594	19391.3	1.13516	0.006771	mg/L	1.13516	0.006771 mg/L	0.60%
Ni 231.603	412.4	0.178583	0.0021488	mg/L	0.178583	0.0021488 mg/L	1.20%
Pb 220.353	1786.2	6.83819	0.090130	mg/L	6.83819	0.090130 mg/L	1.32%
Sb 206.831	-24.8	0.0615521	0.11892961	mg/L	0.0615521	0.11892961 mg/L	193.22%
Se 196.026	59.9	-0.123082	0.0522833	mg/L	-0.123082	0.0522833 mg/L	42.48%
Si 251.611	20526.9	3.26597	0.014951	mg/L	3.26597	0.014951 mg/L	0.46%
Sn 189.933	-51.5	-0.519058	0.0341218	mg/L	-0.519058	0.0341218 mg/L	6.57%
Sr 407.771	910045.4	0.662774	0.0017218	mg/L	0.662774	0.0017218 mg/L	0.26%
Ti 334.941	165835.7	1.80579	0.002956	mg/L	1.80579	0.002956 mg/L	0.16%
Tl 190.800	8.4	-0.0453468	0.07746678	mg/L	-0.0453468	0.07746678 mg/L	170.83%
V 292.402	2552.1	0.152141	0.0017012	mg/L	0.152141	0.0017012 mg/L	1.12%
Zn 206.200	32362.7	15.0998	0.03569	mg/L	15.0998	0.03569 mg/L	0.24%

Replicate Data

ID: 1001382-06 Date: 2/3/10 10:42:18 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	409444.7	409444.7	98.4	mg/L		
1	Y 360.064	247104.5	247104.5	98.1	mg/L		
1	Ag 328.068	3.2	3.2	0.0019689	mg/L	0.0019689	mg/L
1	Al 396.140	325221.8	330501.5	44.3784	mg/L	44.3784	mg/L
1	As 188.979	46.3	47.1	0.248109	mg/L	0.248109	mg/L
1	B 249.773	3835.5	3897.7	0.0220752	mg/L	0.0220752	mg/L
1	Ba 455.403	823078.8	836440.7	1.34953	mg/L	1.34953	mg/L
1	Be 234.861	1579.5	1605.2	0.0012362	mg/L	0.0012362	mg/L
1	Ca 315.887	2688784.3	2732434.1	277.379	mg/L	277.379	mg/L
1	Cd 214.438	219.3	222.8	0.0173009	mg/L	0.0173009	mg/L
1	Ce 413.765	758.4	770.7	0.155830	mg/L	0.155830	mg/L
1	Co 228.616	258.0	262.2	0.0332006	mg/L	0.0332006	mg/L
1	Cr 205.560	223.6	227.2	0.141508	mg/L	0.141508	mg/L
1	Cu 327.394	8477.6	8615.2	0.634522	mg/L	0.634522	mg/L
1	Fe 238.204	1114275.1	1132364.3	128.480	mg/L	128.480	mg/L
1	K 766.514	15242.7	15490.2	4.23359	mg/L	4.23359	mg/L
1	Li 670.781	9332.5	9484.1	0.0563956	mg/L	0.0563956	mg/L
1	Mg 279.074	106611.0	108341.7	87.8474	mg/L	87.8474	mg/L
1	Mn 257.610	238901.7	242780.1	3.29649	mg/L	3.29649	mg/L
1	Mo 202.031	-4.0	-4.1	-0.0190503	mg/L	-0.0190503	mg/L
1	Na 589.594	13564.6	13784.8	0.729934	mg/L	0.729934	mg/L
1	Ni 231.603	343.3	348.8	0.158869	mg/L	0.158869	mg/L
1	Pb 220.353	253.5	257.6	0.989640	mg/L	0.989640	mg/L
1	Sb 206.831	-7.8	-8.0	0.0250671	mg/L	0.0250671	mg/L
1	Se 196.026	63.0	64.0	-0.0922340	mg/L	-0.0922340	mg/L
1	Si 251.611	21803.0	22156.9	3.93186	mg/L	3.93186	mg/L
1	Sn 189.933	-42.4	-43.1	-0.432622	mg/L	-0.432622	mg/L
1	Sr 407.771	456870.1	464287.0	0.336982	mg/L	0.336982	mg/L
1	Ti 334.941	158695.2	161271.4	1.75556	mg/L	1.75556	mg/L
1	Tl 190.800	1.8	1.8	-0.0866654	mg/L	-0.0866654	mg/L
1	V 292.402	2501.6	2542.2	0.171246	mg/L	0.171246	mg/L
1	Zn 206.200	5189.3	5273.5	2.45995	mg/L	2.45995	mg/L
2	Sc 357.253	410751.4	410751.4	98.7	mg/L		
2	Y 360.064	248157.4	248157.4	98.5	mg/L		
2	Ag 328.068	-25.9	-26.2	0.0007841	mg/L	0.0007841	mg/L
2	Al 396.140	326507.0	330752.0	44.4121	mg/L	44.4121	mg/L
2	As 188.979	32.5	33.0	0.165753	mg/L	0.165753	mg/L

2 B 249.773	3834.2	3884.0	0.0219378 mg/L	0.0219378 mg/L
2 Ba 455.403	825591.0	836324.5	1.34934 mg/L	1.34934 mg/L
2 Be 234.861	1595.5	1616.3	0.0014174 mg/L	0.0014174 mg/L
2 Ca 315.887	2688157.4	2723106.2	276.432 mg/L	276.432 mg/L
2 Cd 214.438	207.5	210.2	0.0153728 mg/L	0.0153728 mg/L
2 Ce 413.765	960.5	973.0	0.186387 mg/L	0.186387 mg/L
2 Co 228.616	260.6	264.0	0.0339378 mg/L	0.0339378 mg/L
2 Cr 205.560	220.9	223.7	0.138395 mg/L	0.138395 mg/L
2 Cu 327.394	8491.8	8602.2	0.633508 mg/L	0.633508 mg/L
2 Fe 238.204	1113964.1	1128446.9	128.035 mg/L	128.035 mg/L
2 K 766.514	15169.3	15366.5	4.19458 mg/L	4.19458 mg/L
2 Li 670.781	9530.9	9654.8	0.0574749 mg/L	0.0574749 mg/L
2 Mg 279.074	106561.0	107946.4	87.5269 mg/L	87.5269 mg/L
2 Mn 257.610	239151.0	242260.2	3.28943 mg/L	3.28943 mg/L
2 Mo 202.031	-14.7	-14.9	-0.0356168 mg/L	-0.0356168 mg/L
2 Na 589.594	13514.4	13690.1	0.723422 mg/L	0.723422 mg/L
2 Ni 231.603	338.2	342.6	0.155140 mg/L	0.155140 mg/L
2 Pb 220.353	259.4	262.8	1.00939 mg/L	1.00939 mg/L
2 Sb 206.831	-15.4	-15.6	-0.0145588 mg/L	-0.0145588 mg/L
2 Se 196.026	62.8	63.7	-0.0948688 mg/L	-0.0948688 mg/L
2 Si 251.611	21660.2	21941.8	3.88891 mg/L	3.88891 mg/L
2 Sn 189.933	-41.3	-41.8	-0.419597 mg/L	-0.419597 mg/L
2 Sr 407.771	458276.8	464234.9	0.336944 mg/L	0.336944 mg/L
2 Ti 334.941	158481.6	160542.0	1.74754 mg/L	1.74754 mg/L
2 Tl 190.800	14.8	15.0	-0.0039746 mg/L	-0.0039746 mg/L
2 V 292.402	2539.0	2572.0	0.173283 mg/L	0.173283 mg/L
2 Zn 206.200	5188.4	5255.9	2.45169 mg/L	2.45169 mg/L

Mean Data

ID: 1001382-06 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: 2/3/10 10:42:18 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	410098.1	98.6	0.22	mg/L				0.23%
Y 360.064	247630.9	98.3	0.30	mg/L				0.30%
Ag 328.068	-11.5	0.0013765	0.00083782	mg/L	0.0013765	0.00083782	mg/L	60.87%
Al 396.140	330626.7	44.3952	0.02379	mg/L	44.3952	0.02379	mg/L	0.05%
As 188.979	40.0	0.206931	0.0582342	mg/L	0.206931	0.0582342	mg/L	28.14%
B 249.773	3890.9	0.0220065	0.00009712	mg/L	0.0220065	0.00009712	mg/L	0.44%
Ba 455.403	836382.6	1.34943	0.000134	mg/L	1.34943	0.000134	mg/L	0.01%
Be 234.861	1610.7	0.0013268	0.00012811	mg/L	0.0013268	0.00012811	mg/L	9.66%
Ca 315.887	2727770.2	276.906	0.6695	mg/L	276.906	0.6695	mg/L	0.24%
~~Cd 214.438~~	~~216.5~~	~~0.0163369~~	~~0.00136344~~	~~mg/L~~	0.0163369	0.00136344	mg/L	8.35%
Ce 413.765	871.8	0.171109	0.0216068	mg/L	0.171109	0.0216068	mg/L	12.63%
Co 228.616	263.1	0.0335692	0.00052122	mg/L	0.0335692	0.00052122	mg/L	1.55%
Cr 205.560	225.5	0.139951	0.0022010	mg/L	0.139951	0.0022010	mg/L	1.57%
Cu 327.394	8608.7	0.634015	0.0007169	mg/L	0.634015	0.0007169	mg/L	0.11%
Fe 238.204	1130405.6	128.257	0.3143	mg/L	128.257	0.3143	mg/L	0.25%
K 766.514	15428.3	4.21408	0.027587	mg/L	4.21408	0.027587	mg/L	0.65%
Li 670.781	9569.4	0.0569353	0.00076317	mg/L	0.0569353	0.00076317	mg/L	1.34%
Mg 279.074	108144.1	87.6872	0.22666	mg/L	87.6872	0.22666	mg/L	0.26%
Mn 257.610	242520.2	3.29296	0.004989	mg/L	3.29296	0.004989	mg/L	0.15%
Mo 202.031	-9.5	-0.0273335	0.01171429	mg/L	-0.0273335	0.01171429	mg/L	42.86%
Na 589.594	13737.4	0.726678	0.0046045	mg/L	0.726678	0.0046045	mg/L	0.63%
Ni 231.603	345.7	0.157004	0.0026368	mg/L	0.157004	0.0026368	mg/L	1.68%
Pb 220.353	260.2	0.999517	0.0139678	mg/L	0.999517	0.0139678	mg/L	1.40%
Sb 206.831	-11.8	0.0052541	0.02801975	mg/L	0.0052541	0.02801975	mg/L	533.29%
Se 196.026	63.8	-0.0935514	0.00186310	mg/L	-0.0935514	0.00186310	mg/L	1.99%
Si 251.611	22049.4	3.91038	0.030370	mg/L	3.91038	0.030370	mg/L	0.78%
Sn 189.933	-42.4	-0.426110	0.0092098	mg/L	-0.426110	0.0092098	mg/L	2.16%
Sr 407.771	464261.0	0.336963	0.0000269	mg/L	0.336963	0.0000269	mg/L	0.01%
Ti 334.941	160906.7	1.75155	0.005675	mg/L	1.75155	0.005675	mg/L	0.32%
Tl 190.800	8.4	-0.0453200	0.05847121	mg/L	-0.0453200	0.05847121	mg/L	129.02%
V 292.402	2557.1	0.172265	0.0014408	mg/L	0.172265	0.0014408	mg/L	0.84%
Zn 206.200	5264.7	2.45582	0.005836	mg/L	2.45582	0.005836	mg/L	0.24%

Replicate Data

ID: 1000890-MS1 Date: 2/3/10 10:45:51 AM

	Net	Corrected	Calib	Sample

Repl#	Element	Intensity	Intensity	Conc.	Units	Conc.	Units
1	Sc 357.253	410548.4	410548.4	98.7	mg/L		
1	Y 360.064	247661.0	247661.0	98.3	mg/L		
1	Ag 328.068	5807.9	5886.3	0.238275	mg/L	0.238275	mg/L
1	Al 396.140	361668.8	366552.1	49.2189	mg/L	49.2189	mg/L
1	As 188.979	245.0	248.4	1.42430	mg/L	1.42430	mg/L
1	B 249.773	6076.8	6158.9	0.257464	mg/L	0.257464	mg/L
1	Ba 455.403	825400.6	836545.2	1.34970	mg/L	1.34970	mg/L
1	Be 234.861	3787.7	3838.9	0.0272448	mg/L	0.0272448	mg/L
1	Ca 315.887	2568538.6	2603219.2	264.264	mg/L	264.264	mg/L
1	Cd 214.438	1741.6	1765.2	0.257413	mg/L	0.257413	mg/L
1	Ce 413.765	818.2	829.2	0.164666	mg/L	0.164666	mg/L
1	Co 228.616	1019.3	1033.0	0.273439	mg/L	0.273439	mg/L
1	Cr 205.560	501.8	508.6	0.398916	mg/L	0.398916	mg/L
1	Cu 327.394	12155.4	12319.5	0.894077	mg/L	0.894077	mg/L
1	Fe 238.204	1071906.7	1086379.6	123.261	mg/L	123.261	mg/L
1	K 766.514	55250.7	55996.7	16.9701	mg/L	16.9701	mg/L
1	Li 670.781	49172.7	49836.6	0.311498	mg/L	0.311498	mg/L
1	Mg 279.074	120237.2	121860.6	98.8195	mg/L	98.8195	mg/L
1	Mn 257.610	234785.3	237955.4	3.23101	mg/L	3.23101	mg/L
1	Mo 202.031	153.8	155.9	0.225370	mg/L	0.225370	mg/L
1	Na 589.594	199142.9	201831.8	13.4572	mg/L	13.4572	mg/L
1	Ni 231.603	740.4	750.4	0.398164	mg/L	0.398164	mg/L
1	Pb 220.353	301.5	305.6	1.17168	mg/L	1.17168	mg/L
1	Sb 206.831	123.0	124.7	0.703660	mg/L	0.703660	mg/L
1	Se 196.026	220.9	223.9	1.12390	mg/L	1.12390	mg/L
1	Si 251.611	17596.7	17834.3	3.00415	mg/L	3.00415	mg/L
1	Sn 189.933	85.8	86.9	0.898096	mg/L	0.898096	mg/L
1	Sr 407.771	746861.3	756945.5	0.550878	mg/L	0.550878	mg/L
1	Ti 334.941	190185.8	192753.7	2.10199	mg/L	2.10199	mg/L
1	Tl 190.800	193.8	196.4	1.13135	mg/L	1.13135	mg/L
1	V 292.402	6249.7	6334.1	0.423435	mg/L	0.423435	mg/L
1	Zn 206.200	4746.0	4810.0	2.24368	mg/L	2.24368	mg/L
2	Sc 357.253	410953.1	410953.1	98.8	mg/L		
2	Y 360.064	248407.7	248407.7	98.6	mg/L		
2	Ag 328.068	5760.8	5832.9	0.236128	mg/L	0.236128	mg/L
2	Al 396.140	359893.5	364393.6	48.9291	mg/L	48.9291	mg/L
2	As 188.979	239.9	242.9	1.39257	mg/L	1.39257	mg/L
2	B 249.773	6163.2	6240.2	0.266698	mg/L	0.266698	mg/L
2	Ba 455.403	821970.7	832248.6	1.34269	mg/L	1.34269	mg/L
2	Be 234.861	3807.8	3855.4	0.0274908	mg/L	0.0274908	mg/L
2	Ca 315.887	2562252.8	2594291.2	263.358	mg/L	263.358	mg/L
2	Cd 214.438	1768.2	1790.3	0.261361	mg/L	0.261361	mg/L
2	Ce 413.765	842.0	852.5	0.168184	mg/L	0.168184	mg/L
2	Co 228.616	1051.2	1064.3	0.283285	mg/L	0.283285	mg/L
2	Cr 205.560	499.1	505.4	0.396009	mg/L	0.396009	mg/L
2	Cu 327.394	12276.3	12429.8	0.901748	mg/L	0.901748	mg/L
2	Fe 238.204	1068857.1	1082222.1	122.790	mg/L	122.790	mg/L
2	K 766.514	54880.8	55567.0	16.8349	mg/L	16.8349	mg/L
2	Li 670.781	49097.9	49711.8	0.310709	mg/L	0.310709	mg/L
2	Mg 279.074	120498.0	122004.7	98.9367	mg/L	98.9367	mg/L
2	Mn 257.610	233933.7	236858.8	3.21612	mg/L	3.21612	mg/L
2	Mo 202.031	155.2	157.1	0.227314	mg/L	0.227314	mg/L
2	Na 589.594	198213.5	200692.0	13.3800	mg/L	13.3800	mg/L
2	Ni 231.603	728.9	738.0	0.390756	mg/L	0.390756	mg/L
2	Pb 220.353	297.8	301.5	1.15621	mg/L	1.15621	mg/L
2	Sb 206.831	120.8	122.3	0.691141	mg/L	0.691141	mg/L
2	Se 196.026	218.1	220.8	1.10029	mg/L	1.10029	mg/L
2	Si 251.611	17616.1	17836.4	3.00413	mg/L	3.00413	mg/L
2	Sn 189.933	78.9	79.9	0.826369	mg/L	0.826369	mg/L
2	Sr 407.771	744101.3	753405.6	0.548291	mg/L	0.548291	mg/L
2	Ti 334.941	189533.9	191903.9	2.09264	mg/L	2.09264	mg/L
2	Tl 190.800	203.1	205.6	1.18915	mg/L	1.18915	mg/L
2	V 292.402	6298.5	6377.3	0.426364	mg/L	0.426364	mg/L
2	Zn 206.200	4822.6	4882.9	2.27769	mg/L	2.27769	mg/L

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

ID: 1000890-MS1 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: 2/3/10 10:45:51 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	410750.7	98.7	0.07	mg/L				0.07%
Y 360.064	248034.4	98.5	0.21	mg/L				0.21%
Ag 328.068	5859.6	0.237202	0.0015184	mg/L	0.237202	0.0015184	mg/L	0.64%
Al 396.140	365472.8	49.0740	0.20493	mg/L	49.0740	0.20493	mg/L	0.42%
As 188.979	245.6	1.40843	0.022440	mg/L	1.40843	0.022440	mg/L	1.59%
B 249.773	6199.6	0.262081	0.0065295	mg/L	0.262081	0.0065295	mg/L	2.49%
Ba 455.403	834396.9	1.34619	0.004957	mg/L	1.34619	0.004957	mg/L	0.37%
Be 234.861	3847.1	0.0273678	0.00017391	mg/L	0.0273678	0.00017391	mg/L	0.64%
Ca 315.887	2598755.2	263.811	0.6408	mg/L	263.811	0.6408	mg/L	0.24%
Cd 214.438	1777.7	0.259387	0.0027912	mg/L	0.259387	0.0027912	mg/L	1.08%
Ce 413.765	840.8	0.166425	0.0024878	mg/L	0.166425	0.0024878	mg/L	1.49%
Co 228.616	1048.7	0.278362	0.0069621	mg/L	0.278362	0.0069621	mg/L	2.50%
Cr 205.560	507.0	0.397462	0.0020560	mg/L	0.397462	0.0020560	mg/L	0.52%
Cu 327.394	12374.6	0.897912	0.0054248	mg/L	0.897912	0.0054248	mg/L	0.60%
Fe 238.204	1084300.9	123.026	0.3336	mg/L	123.026	0.3336	mg/L	0.27%
K 766.514	55781.9	16.9025	0.09564	mg/L	16.9025	0.09564	mg/L	0.57%
Li 670.781	49774.2	0.311104	0.0005578	mg/L	0.311104	0.0005578	mg/L	0.18%
Mg 279.074	121932.7	98.8781	0.08287	mg/L	98.8781	0.08287	mg/L	0.08%
Mn 257.610	237407.1	3.22356	0.010524	mg/L	3.22356	0.010524	mg/L	0.33%
Mo 202.031	156.5	0.226342	0.0013748	mg/L	0.226342	0.0013748	mg/L	0.61%
Na 589.594	201261.9	13.4186	0.05461	mg/L	13.4186	0.05461	mg/L	0.41%
Ni 231.603	744.2	0.394460	0.0052379	mg/L	0.394460	0.0052379	mg/L	1.33%
Pb 220.353	303.6	1.16394	0.010943	mg/L	1.16394	0.010943	mg/L	0.94%
Sb 206.831	123.5	0.697401	0.0088524	mg/L	0.697401	0.0088524	mg/L	1.27%
Se 196.026	222.3	1.11209	0.016700	mg/L	1.11209	0.016700	mg/L	1.50%
Si 251.611	17835.3	3.00414	0.000012	mg/L	3.00414	0.000012	mg/L	0.00%
Sn 189.933	83.4	0.862232	0.0507188	mg/L	0.862232	0.0507188	mg/L	5.88%
Sr 407.771	755175.5	0.549584	0.0018295	mg/L	0.549584	0.0018295	mg/L	0.33%
Ti 334.941	192328.8	2.09732	0.006612	mg/L	2.09732	0.006612	mg/L	0.32%
Tl 190.800	201.0	1.16025	0.040870	mg/L	1.16025	0.040870	mg/L	3.52%
V 292.402	6355.7	0.424899	0.0020713	mg/L	0.424899	0.0020713	mg/L	0.49%
Zn 206.200	4846.5	2.26068	0.024048	mg/L	2.26068	0.024048	mg/L	1.06%

Replicate Data

ID: 1000890-MSD1 Date: 2/3/10 10:49:26 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	413418.8	413418.8	99.4	mg/L		
1	Y 360.064	250166.3	250166.3	99.3	mg/L		
1	Ag 328.068	5886.3	5924.4	0.239803	mg/L	0.239803	mg/L
1	Al 396.140	385593.1	388086.1	52.1102	mg/L	52.1102	mg/L
1	As 188.979	262.3	264.0	1.51562	mg/L	1.51562	mg/L
1	B 249.773	7221.5	7268.2	0.260911	mg/L	0.260911	mg/L
1	Ba 455.403	836849.3	842259.8	1.35902	mg/L	1.35902	mg/L
1	Be 234.861	4179.1	4206.1	0.0266071	mg/L	0.0266071	mg/L
1	Ca 315.887	2724240.6	2741853.7	278.341	mg/L	278.341	mg/L
1	Cd 214.438	1812.8	1824.5	0.263738	mg/L	0.263738	mg/L
1	Ce 413.765	928.9	934.9	0.180640	mg/L	0.180640	mg/L
1	Co 228.616	1108.6	1115.8	0.283618	mg/L	0.283618	mg/L
1	Cr 205.560	548.9	552.4	0.433533	mg/L	0.433533	mg/L
1	Cu 327.394	13037.6	13121.9	0.952099	mg/L	0.952099	mg/L
1	Fe 238.204	1419871.8	1429051.7	162.146	mg/L	162.146	mg/L
1	K 766.514	56197.3	56560.7	17.1573	mg/L	17.1573	mg/L
1	Li 670.781	50174.1	50498.5	0.315682	mg/L	0.315682	mg/L
1	Mg 279.074	137188.0	138075.0	111.951	mg/L	111.951	mg/L
1	Mn 257.610	272230.4	273990.5	3.72007	mg/L	3.72007	mg/L
1	Mo 202.031	150.8	151.7	0.219084	mg/L	0.219084	mg/L
1	Na 589.594	200824.2	202122.6	13.4817	mg/L	13.4817	mg/L
1	Ni 231.603	814.7	820.0	0.428412	mg/L	0.428412	mg/L
1	Pb 220.353	398.5	401.1	1.53359	mg/L	1.53359	mg/L
1	Sb 206.831	113.2	114.0	0.683978	mg/L	0.683978	mg/L
1	Se 196.026	243.2	244.8	1.28251	mg/L	1.28251	mg/L
1	Si 251.611	27760.8	27940.3	5.02887	mg/L	5.02887	mg/L
1	Sn 189.933	78.9	79.4	0.820895	mg/L	0.820895	mg/L
1	Sr 407.771	732008.6	736741.3	0.536111	mg/L	0.536111	mg/L
1	Ti 334.941	186023.4	187226.1	2.04117	mg/L	2.04117	mg/L
1	Tl 190.800	192.7	194.0	1.11620	mg/L	1.11620	mg/L

1 V 292.402	6509.4	6551.5	0.432142 mg/L	0.432142 mg/L
1 Zn 206.200	5283.0	5317.1	2.48029 mg/L	2.48029 mg/L
2 Sc 357.253	412413.0	412413.0	99.1 mg/L	
2 Y 360.064	249369.1	249369.1	99.0 mg/L	
2 Ag 328.068	5701.9	5752.8	0.232911 mg/L	0.232911 mg/L
2 Al 396.140	382789.5	386203.9	51.8575 mg/L	51.8575 mg/L
2 As 188.979	245.0	247.2	1.41747 mg/L	1.41747 mg/L
2 B 249.773	7164.5	7228.4	0.258083 mg/L	0.258083 mg/L
2 Ba 455.403	831230.6	838645.1	1.35312 mg/L	1.35312 mg/L
2 Be 234.861	4084.9	4121.4	0.0256934 mg/L	0.0256934 mg/L
2 Ca 315.887	2711333.2	2735517.9	277.697 mg/L	277.697 mg/L
2 Cd 214.438	1802.3	1818.3	0.262814 mg/L	0.262814 mg/L
2 Ce 413.765	795.1	802.2	0.160582 mg/L	0.160582 mg/L
2 Co 228.616	1113.2	1123.1	0.286033 mg/L	0.286033 mg/L
2 Cr 205.560	557.1	562.1	0.442406 mg/L	0.442406 mg/L
2 Cu 327.394	12995.1	13111.0	0.951264 mg/L	0.951264 mg/L
2 Fe 238.204	1412979.6	1425583.1	161.752 mg/L	161.752 mg/L
2 K 766.514	56073.9	56574.1	17.1614 mg/L	17.1614 mg/L
2 Li 670.781	49725.1	50168.6	0.313597 mg/L	0.313597 mg/L
2 Mg 279.074	136260.9	137476.4	111.466 mg/L	111.466 mg/L
2 Mn 257.610	270322.7	272733.9	3.70301 mg/L	3.70301 mg/L
2 Mo 202.031	159.2	160.7	0.232727 mg/L	0.232727 mg/L
2 Na 589.594	199490.2	201269.6	13.4234 mg/L	13.4234 mg/L
2 Ni 231.603	803.2	810.3	0.422705 mg/L	0.422705 mg/L
2 Pb 220.353	402.3	405.9	1.55197 mg/L	1.55197 mg/L
2 Sb 206.831	107.0	107.9	0.652488 mg/L	0.652488 mg/L
2 Se 196.026	228.3	230.4	1.17301 mg/L	1.17301 mg/L
2 Si 251.611	27703.1	27950.2	5.03271 mg/L	5.03271 mg/L
2 Sn 189.933	78.0	78.7	0.813944 mg/L	0.813944 mg/L
2 Sr 407.771	727417.1	733905.5	0.534039 mg/L	0.534039 mg/L
2 Ti 334.941	185158.0	186809.6	2.03658 mg/L	2.03658 mg/L
2 Tl 190.800	198.5	200.3	1.15568 mg/L	1.15568 mg/L
2 V 292.402	6580.8	6639.5	0.438037 mg/L	0.438037 mg/L
2 Zn 206.200	5328.9	5376.4	2.50794 mg/L	2.50794 mg/L

Mean Data

ID: 1000890-MSD1 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: 2/3/10 10:49:26 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	412915.9	99.2	0.17	mg/L				0.17%
Y 360.064	249767.7	99.2	0.22	mg/L				0.23%
Ag 328.068	5838.6	0.236357	0.0048732	mg/L	0.236357	0.0048732	mg/L	2.06%
Al 396.140	387145.0	51.9838	0.17870	mg/L	51.9838	0.17870	mg/L	0.34%
As 188.979	255.6	1.46654	0.069401	mg/L	1.46654	0.069401	mg/L	4.73%
B 249.773	7248.3	0.259497	0.0019997	mg/L	0.259497	0.0019997	mg/L	0.77%
Ba 455.403	840452.4	1.35607	0.004170	mg/L	1.35607	0.004170	mg/L	0.31%
Be 234.861	4163.8	0.0261503	0.00064609	mg/L	0.0261503	0.00064609	mg/L	2.47%
Ca 315.887	2738685.8	278.019	0.4548	mg/L	278.019	0.4548	mg/L	0.16%
Cd 214.438	1821.4	0.263276	0.0006528	mg/L	0.263276	0.0006528	mg/L	0.25%
Ce 413.765	868.5	0.170611	0.0141827	mg/L	0.170611	0.0141827	mg/L	8.31%
Co 228.616	1119.4	0.284826	0.0017073	mg/L	0.284826	0.0017073	mg/L	0.60%
Cr 205.560	557.3	0.437970	0.0062739	mg/L	0.437970	0.0062739	mg/L	1.43%
Cu 327.394	13116.5	0.951681	0.0005907	mg/L	0.951681	0.0005907	mg/L	0.06%
Fe 238.204	1427317.4	161.949	0.2783	mg/L	161.949	0.2783	mg/L	0.17%
K 766.514	56567.4	17.1594	0.00286	mg/L	17.1594	0.00286	mg/L	0.02%
Li 670.781	50333.5	0.314640	0.0014744	mg/L	0.314640	0.0014744	mg/L	0.47%
Mg 279.074	137775.7	111.709	0.3433	mg/L	111.709	0.3433	mg/L	0.31%
Mn 257.610	273362.2	3.71154	0.012059	mg/L	3.71154	0.012059	mg/L	0.32%
Mo 202.031	156.2	0.225905	0.0096472	mg/L	0.225905	0.0096472	mg/L	4.27%
Na 589.594	201696.1	13.4526	0.04126	mg/L	13.4526	0.04126	mg/L	0.31%
Ni 231.603	815.2	0.425559	0.0040359	mg/L	0.425559	0.0040359	mg/L	0.95%
Pb 220.353	403.5	1.54278	0.013000	mg/L	1.54278	0.013000	mg/L	0.84%
Sb 206.831	110.9	0.668233	0.0222672	mg/L	0.668233	0.0222672	mg/L	3.33%
Se 196.026	237.6	1.22776	0.077425	mg/L	1.22776	0.077425	mg/L	6.31%
Si 251.611	27945.2	5.03079	0.002717	mg/L	5.03079	0.002717	mg/L	0.05%
Sn 189.933	79.0	0.817420	0.0049154	mg/L	0.817420	0.0049154	mg/L	0.60%
Sr 407.771	735323.4	0.535075	0.0014655	mg/L	0.535075	0.0014655	mg/L	0.27%
Ti 334.941	187017.9	2.03887	0.003241	mg/L	2.03887	0.003241	mg/L	0.16%

Tl 190.800	197.1	1.13594	0.027915 mg/L	1.13594	0.027915 mg/L	2.46%
V 292.402	6595.5	0.435089	0.0041682 mg/L	0.435089	0.0041682 mg/L	0.96%
Zn 206.200	5346.8	2.49411	0.019550 mg/L	2.49411	0.019550 mg/L	0.78%

Replicate Data

ID: 0B03018-CCV Date: 2/3/10 10:52:55 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	409368.8	409368.8	98.4	mg/L		
1	Y 360.064	246943.0	246943.0	98.0	mg/L		
1	Ag 328.068	12237.2	12438.2	0.501444	mg/L		
1	Al 396.140	18387.6	18689.6	2.51203	mg/L		
1	As 188.979	422.1	429.0	2.48018	mg/L		
1	B 249.773	5090.9	5174.5	0.494330	mg/L		
1	Ba 455.403	310784.2	315888.0	0.500222	mg/L		
1	Be 234.861	4385.0	4457.0	0.0495050	mg/L		
1	Ca 315.887	48416.5	49211.7	5.01295	mg/L		
1	Cd 214.438	3203.0	3255.6	0.498244	mg/L		
1	Ce 413.765	-199.8	-203.1	0.0087112	mg/L		
1	Co 228.616	1556.0	1581.5	0.491674	mg/L		
1	Cr 205.560	593.7	603.4	0.502351	mg/L		
1	Cu 327.394	7046.7	7162.4	0.502671	mg/L		
1	Fe 238.204	4570.5	4645.5	0.512258	mg/L		
1	K 766.514	17750.2	18041.7	4.99106	mg/L		
1	Li 670.781	78158.5	79442.1	0.498660	mg/L		
1	Mg 279.074	6049.9	6149.2	4.98372	mg/L		
1	Mn 257.610	36125.2	36718.5	0.499854	mg/L		
1	Mo 202.031	328.1	333.5	0.496899	mg/L		
1	Na 589.594	75774.7	77019.1	4.97844	mg/L		
1	Ni 231.603	913.9	928.9	0.504492	mg/L		
1	Pb 220.353	128.5	130.6	0.508099	mg/L		
1	Sb 206.831	481.0	488.9	2.46689	mg/L		
1	Se 196.026	400.3	406.8	2.51537	mg/L		
1	Si 251.611	13309.1	13527.6	2.48790	mg/L		
1	Sn 189.933	235.5	239.4	2.45869	mg/L		
1	Sr 407.771	676212.7	687317.7	0.499989	mg/L		
1	Ti 334.941	46423.9	47186.3	0.500176	mg/L		
1	Tl 190.800	417.7	424.6	2.55942	mg/L		
1	V 292.402	7076.0	7192.2	0.498415	mg/L		
1	Zn 206.200	1067.4	1084.9	0.505543	mg/L		
2	Sc 357.253	408434.3	408434.3	98.2	mg/L		
2	Y 360.064	246517.1	246517.1	97.9	mg/L		
2	Ag 328.068	12319.6	12550.6	0.505958	mg/L		
2	Al 396.140	18575.8	18924.1	2.54351	mg/L		
2	As 188.979	429.2	437.3	2.52826	mg/L		
2	B 249.773	5117.9	5213.8	0.498183	mg/L		
2	Ba 455.403	312301.5	318156.5	0.503923	mg/L		
2	Be 234.861	4511.3	4595.8	0.0510815	mg/L		
2	Ca 315.887	48383.8	49290.9	5.02096	mg/L		
2	Cd 214.438	3188.7	3248.4	0.497130	mg/L		
2	Ce 413.765	-174.6	-177.9	0.0125101	mg/L		
2	Co 228.616	1575.1	1604.6	0.498820	mg/L		
2	Cr 205.560	603.1	614.4	0.512336	mg/L		
2	Cu 327.394	6908.8	7038.3	0.493929	mg/L		
2	Fe 238.204	4533.1	4618.1	0.509147	mg/L		
2	K 766.514	17875.1	18210.2	5.04404	mg/L		
2	Li 670.781	78438.0	79908.5	0.501608	mg/L		
2	Mg 279.074	6078.1	6192.0	5.01844	mg/L		
2	Mn 257.610	36288.2	36968.6	0.503248	mg/L		
2	Mo 202.031	331.3	337.5	0.502938	mg/L		
2	Na 589.594	76329.4	77760.4	5.02860	mg/L		
2	Ni 231.603	928.7	946.1	0.514725	mg/L		
2	Pb 220.353	122.8	125.1	0.487383	mg/L		
2	Sb 206.831	483.1	492.1	2.48370	mg/L		
2	Se 196.026	394.8	402.2	2.47990	mg/L		
2	Si 251.611	13604.3	13859.3	2.55596	mg/L		
2	Sn 189.933	236.6	241.0	2.47586	mg/L		
2	Sr 407.771	679933.3	692680.6	0.503908	mg/L		
2	Ti 334.941	46410.7	47280.9	0.501217	mg/L		

2 Tl 190.800	409.1	416.8	2.51079	mg/L
2 V 292.402	7146.1	7280.0	0.504236	mg/L
2 Zn 206.200	1068.0	1088.0	0.506982	mg/L

Mean Data

ID: 0B03018-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: 2/3/10 10:52:55 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	408901.6	98.3	0.16	mg/L				0.16%
Y 360.064	246730.0	98.0	0.12	mg/L				0.12%
Ag 328.068	12494.4	0.503701	0.0031924	mg/L				0.63%
Al 396.140	18806.8	2.52777	0.022263	mg/L				0.88%
As 188.979	433.2	2.50422	0.034003	mg/L				1.36%
B 249.773	5194.2	0.496257	0.0027244	mg/L				0.55%
Ba 455.403	317022.2	0.502072	0.0026170	mg/L				0.52%
Be 234.861	4526.4	0.0502933	0.00111477	mg/L				2.22%
Ca 315.887	49251.3	5.01695	0.005666	mg/L				0.11%
Cd 214.438	3252.0	0.497687	0.0007878	mg/L				0.16%
Ce 413.765	-190.5	0.0106107	0.00268627	mg/L				25.32%
Co 228.616	1593.1	0.495247	0.0050525	mg/L				1.02%
Cr 205.560	608.9	0.507344	0.0070604	mg/L				1.39%
Cu 327.394	7100.4	0.498300	0.0061811	mg/L				1.24%
Fe 238.204	4631.8	0.510702	0.0022002	mg/L				0.43%
K 766.514	18126.0	5.01755	0.037461	mg/L				0.75%
Li 670.781	79675.3	0.500134	0.0020851	mg/L				0.42%
Mg 279.074	6170.6	5.00108	0.024548	mg/L				0.49%
Mn 257.610	36843.5	0.501551	0.0023997	mg/L				0.48%
Mo 202.031	335.5	0.499919	0.0042700	mg/L				0.85%
Na 589.594	77389.8	5.00352	0.035470	mg/L				0.71%
Ni 231.603	937.5	0.509609	0.0072360	mg/L				1.42%
Pb 220.353	127.8	0.497741	0.0146482	mg/L				2.94%
Sb 206.831	490.5	2.47529	0.011888	mg/L				0.48%
Se 196.026	404.5	2.49764	0.025086	mg/L				1.00%
Si 251.611	13693.5	2.52193	0.048124	mg/L				1.91%
Sn 189.933	240.2	2.46727	0.012140	mg/L				0.49%
Sr 407.771	689999.2	0.501949	0.0027716	mg/L				0.55%
Ti 334.941	47233.6	0.500697	0.0007358	mg/L				0.15%
Tl 190.800	420.7	2.53511	0.034382	mg/L				1.36%
V 292.402	7236.1	0.501326	0.0041166	mg/L				0.82%
Zn 206.200	1086.5	0.506263	0.0010175	mg/L				0.20%

Replicate Data

ID: 0B03018-CCB Date: 2/3/10 10:56:10 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	397230.2	397230.2	95.5	mg/L		
1	Y 360.064	240187.2	240187.2	95.4	mg/L		
1	Ag 328.068	30.5	31.9	0.0031198	mg/L		
1	Al 396.140	96.8	101.4	0.0162271	mg/L		
1	As 188.979	-4.9	-5.2	-0.0571266	mg/L		
1	B 249.773	194.3	203.5	0.0078577	mg/L		
1	Ba 455.403	8477.8	8880.4	-0.0006755	mg/L		
1	Be 234.861	95.6	100.2	0.0000339	mg/L		
1	Ca 315.887	-433.3	-453.8	-0.0257409	mg/L		
1	Cd 214.438	49.3	51.7	0.0002637	mg/L		
1	Ce 413.765	-214.9	-225.1	0.0053880	mg/L		
1	Co 228.616	-17.1	-17.9	-0.0025175	mg/L		
1	Cr 205.560	53.5	56.1	0.0030389	mg/L		
1	Cu 327.394	-46.4	-48.6	-0.0053081	mg/L		
1	Fe 238.204	155.5	162.9	0.0035966	mg/L		
1	K 766.514	2260.0	2367.3	0.0614624	mg/L		
1	Li 670.781	240.4	251.8	-0.0019691	mg/L		
1	Mg 279.074	-35.9	-37.7	-0.0363496	mg/L		
1	Mn 257.610	-216.5	-226.8	-0.0015612	mg/L		
1	Mo 202.031	15.0	15.7	0.0111276	mg/L		
1	Na 589.594	2983.0	3124.7	-0.0219089	mg/L		
1	Ni 231.603	99.3	104.0	0.0130208	mg/L		

1 Pb 220.353	2.3	2.5	0.0224870	mg/L
1 Sb 206.831	-0.9	-0.9	-0.0563548	mg/L
1 Se 196.026	81.3	85.1	0.0685900	mg/L
1 Si 251.611	1402.1	1468.7	0.0135559	mg/L
1 Sn 189.933	0.3	0.3	0.0110808	mg/L
1 Sr 407.771	648.9	679.7	-0.0018560	mg/L
1 Ti 334.941	1850.9	1938.8	0.0022753	mg/L
1 Tl 190.800	23.0	24.1	0.0527613	mg/L
1 V 292.402	-299.5	-313.8	0.0007269	mg/L
1 Zn 206.200	-0.0	-0.0	-0.0006946	mg/L
2 Sc 357.253	397704.8	397704.8	95.6	mg/L
2 Y 360.064	240580.4	240580.4	95.5	mg/L
2 Ag 328.068	46.8	48.9	0.0038044	mg/L
2 Al 396.140	-120.1	-125.7	-0.0142638	mg/L
2 As 188.979	-3.4	-3.5	-0.0475530	mg/L
2 B 249.773	152.6	159.7	0.0035688	mg/L
2 Ba 455.403	8379.5	8766.9	-0.0008607	mg/L
2 Be 234.861	85.9	89.9	-0.0000834	mg/L
2 Ca 315.887	-540.8	-565.8	-0.0371063	mg/L
2 Cd 214.438	47.4	49.6	-0.0000650	mg/L
2 Ce 413.765	-124.5	-130.3	0.0197111	mg/L
2 Co 228.616	-15.6	-16.4	-0.0020322	mg/L
2 Cr 205.560	64.3	67.3	0.0133033	mg/L
2 Cu 327.394	-61.3	-64.1	-0.0064039	mg/L
2 Fe 238.204	126.8	132.6	0.0001625	mg/L
2 K 766.514	2132.3	2230.9	0.0185609	mg/L
2 Li 670.781	344.8	360.7	-0.0012807	mg/L
2 Mg 279.074	1.1	1.1	-0.0048882	mg/L
2 Mn 257.610	-228.0	-238.5	-0.0017209	mg/L
2 Mo 202.031	5.5	5.8	-0.0039936	mg/L
2 Na 589.594	2944.9	3081.1	-0.0248586	mg/L
2 Ni 231.603	84.1	88.0	0.0034556	mg/L
2 Pb 220.353	-0.2	-0.2	0.0122266	mg/L
2 Sb 206.831	15.0	15.7	0.0289103	mg/L
2 Se 196.026	77.9	81.5	0.0405417	mg/L
2 Si 251.611	1363.2	1426.2	0.0048415	mg/L
2 Sn 189.933	2.4	2.5	0.0341311	mg/L
2 Sr 407.771	537.6	562.4	-0.0019417	mg/L
2 Ti 334.941	1808.1	1891.7	0.0017578	mg/L
2 Tl 190.800	12.8	13.4	-0.0139228	mg/L
2 V 292.402	-217.3	-227.3	0.0064568	mg/L
2 Zn 206.200	-7.4	-7.8	-0.0043183	mg/L

Mean Data

ID: 0B03018-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: 2/3/10 10:56:10 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	397467.5	95.5	0.08	mg/L				0.08%
Y 360.064	240383.8	95.4	0.11	mg/L				0.12%
Ag 328.068	40.4	0.0034621	0.00048413	mg/L				13.98%
Al 396.140	-12.1	0.0009816	0.02156033	mg/L				>999.9%
As 188.979	-4.4	-0.0523398	0.00676957	mg/L				12.93%
B 249.773	181.6	0.0057133	0.00303269	mg/L				53.08%
Ba 455.403	8823.6	-0.0007681	0.00013096	mg/L				17.05%
Be 234.861	95.0	-0.0000248	0.00008289	mg/L				334.75%
Ca 315.887	-509.8	-0.0314236	0.00803656	mg/L				25.57%
Cd 214.438	50.6	0.0000994	0.00023241	mg/L				233.85%
Ce 413.765	-177.7	0.0125496	0.01012798	mg/L				80.70%
Co 228.616	-17.2	-0.0022748	0.00034311	mg/L				15.08%
Cr 205.560	61.7	0.0081711	0.00725805	mg/L				88.83%
Cu 327.394	-56.4	-0.0058560	0.00077486	mg/L				13.23%
Fe 238.204	147.8	0.0018796	0.00242825	mg/L				129.19%
K 766.514	2299.1	0.0400117	0.03033590	mg/L				75.82%
Li 670.781	306.3	-0.0016249	0.00048676	mg/L				29.96%
Mg 279.074	-18.3	-0.0206189	0.02224653	mg/L				107.89%
Mn 257.610	-232.7	-0.0016411	0.00011296	mg/L				6.88%
Mo 202.031	10.7	0.0035670	0.01069233	mg/L				299.76%
Na 589.594	3102.9	-0.0233838	0.00208578	mg/L				8.92%

Ni 231.603	96.0	0.0082382	0.00676363	mg/L	82.10%
Pb 220.353	1.1	0.0173568	0.00725519	mg/L	41.80%
Sb 206.831	7.4	-0.0137223	0.06029154	mg/L	439.37%
Se 196.026	83.3	0.0545658	0.01983316	mg/L	36.35%
Si 251.611	1447.4	0.0091987	0.00616201	mg/L	66.99%
Sn 189.933	1.4	0.0226059	0.01629902	mg/L	72.10%
Sr 407.771	621.1	-0.0018988	0.00006059	mg/L	3.19%
Ti 334.941	1915.3	0.0020165	0.00036589	mg/L	18.14%
Tl 190.800	18.8	0.0194192	0.04715280	mg/L	242.81%
V 292.402	-270.6	0.0035919	0.00405161	mg/L	112.80%
Zn 206.200	-3.9	-0.0025064	0.00256237	mg/L	102.23%

Replicate Data

ID: 0B03018-SRD1 Date: 2/3/10 10:59:27 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	407089.0	407089.0	97.8	mg/L		
1	Y 360.064	246711.7	246711.7	97.9	mg/L		
1	Ag 328.068	65.9	67.4	0.0045460	mg/L	0.0227298	mg/L
1	Al 396.140	63893.2	65306.2	8.77115	mg/L	43.8558	mg/L
1	As 188.979	12.8	13.1	0.0494328	mg/L	0.247164	mg/L
1	B 249.773	872.9	892.2	0.0051531	mg/L	0.0257655	mg/L
1	Ba 455.403	171230.5	175017.2	0.270385	mg/L	1.35192	mg/L
1	Be 234.861	424.0	433.4	0.0006107	mg/L	0.0030534	mg/L
1	Ca 315.887	529855.2	541572.8	54.9930	mg/L	274.965	mg/L
1	Cd 214.438	69.5	71.0	0.0032704	mg/L	0.0163519	mg/L
1	Ce 413.765	-20.7	-21.2	0.0361891	mg/L	0.180946	mg/L
1	Co 228.616	30.0	30.6	0.0022338	mg/L	0.0111688	mg/L
1	Cr 205.560	93.6	95.7	0.0391947	mg/L	0.195973	mg/L
1	Cu 327.394	1708.5	1746.2	0.121129	mg/L	0.605644	mg/L
1	Fe 238.204	223730.3	228678.0	25.9342	mg/L	129.671	mg/L
1	K 766.514	4770.0	4875.5	0.859153	mg/L	4.29576	mg/L
1	Li 670.781	1984.0	2027.9	0.0092591	mg/L	0.0462953	mg/L
1	Mg 279.074	20901.5	21363.8	17.3172	mg/L	86.5862	mg/L
1	Mn 257.610	47387.2	48435.2	0.658870	mg/L	3.29435	mg/L
1	Mo 202.031	3.3	3.3	-0.0077126	mg/L	-0.0385628	mg/L
1	Na 589.594	5026.1	5137.3	0.119845	mg/L	0.599226	mg/L
1	Ni 231.603	143.9	147.1	0.0386689	mg/L	0.193345	mg/L
1	Pb 220.353	51.0	52.1	0.210611	mg/L	1.05306	mg/L
1	Sb 206.831	5.1	5.2	-0.0248664	mg/L	-0.124332	mg/L
1	Se 196.026	72.9	74.5	-0.0122867	mg/L	-0.0614337	mg/L
1	Si 251.611	5345.8	5464.1	0.833359	mg/L	4.16680	mg/L
1	Sn 189.933	-13.0	-13.3	-0.127989	mg/L	-0.639943	mg/L
1	Sr 407.771	91446.8	93469.1	0.0659613	mg/L	0.329806	mg/L
1	Ti 334.941	32455.6	33173.3	0.345978	mg/L	1.72989	mg/L
1	Tl 190.800	8.2	8.4	-0.0457762	mg/L	-0.228881	mg/L
1	V 292.402	210.3	214.9	0.0357823	mg/L	0.178911	mg/L
1	Zn 206.200	1032.1	1054.9	0.491546	mg/L	2.45773	mg/L
2	Sc 357.253	406701.0	406701.0	97.7	mg/L		
2	Y 360.064	246651.6	246651.6	97.9	mg/L		
2	Ag 328.068	-1.2	-1.2	0.0017896	mg/L	0.0089480	mg/L
2	Al 396.140	64075.4	65554.9	8.80455	mg/L	44.0227	mg/L
2	As 188.979	11.4	11.7	0.0413790	mg/L	0.206895	mg/L
2	B 249.773	882.4	902.7	0.0058109	mg/L	0.0290545	mg/L
2	Ba 455.403	171653.5	175617.0	0.271363	mg/L	1.35682	mg/L
2	Be 234.861	367.9	376.4	-0.0000531	mg/L	-0.0002653	mg/L
2	Ca 315.887	532230.4	544519.5	55.2922	mg/L	276.461	mg/L
2	Cd 214.438	82.4	84.3	0.0053338	mg/L	0.0266691	mg/L
2	Ce 413.765	38.6	39.5	0.0453510	mg/L	0.226755	mg/L
2	Co 228.616	46.9	48.0	0.0075339	mg/L	0.0376694	mg/L
2	Cr 205.560	82.5	84.4	0.0289356	mg/L	0.144678	mg/L
2	Cu 327.394	1642.4	1680.3	0.116482	mg/L	0.582410	mg/L
2	Fe 238.204	224696.4	229884.6	26.0711	mg/L	130.356	mg/L
2	K 766.514	4709.8	4818.5	0.841297	mg/L	4.20648	mg/L
2	Li 670.781	2258.6	2310.8	0.0110472	mg/L	0.0552360	mg/L
2	Mg 279.074	21216.8	21706.7	17.5955	mg/L	87.9773	mg/L
2	Mn 257.610	48101.9	49212.5	0.669420	mg/L	3.34710	mg/L
2	Mo 202.031	-0.9	-0.9	-0.0142675	mg/L	-0.0713375	mg/L
2	Na 589.594	5168.8	5288.2	0.130101	mg/L	0.650506	mg/L

2	Ni 231.603	135.3	138.5	0.0335275 mg/L	0.167637 mg/L
2	Pb 220.353	55.8	57.1	0.229553 mg/L	1.14777 mg/L
2	Sb 206.831	0.7	0.8	-0.0478341 mg/L	-0.239170 mg/L
2	Se 196.026	69.4	71.0	-0.0393619 mg/L	-0.196810 mg/L
2	Si 251.611	5381.5	5505.7	0.841908 mg/L	4.20954 mg/L
2	Sn 189.933	-15.0	-15.4	-0.149051 mg/L	-0.745254 mg/L
2	Sr 407.771	92018.2	94142.9	0.0664538 mg/L	0.332269 mg/L
2	Ti 334.941	32661.3	33415.5	0.348643 mg/L	1.74322 mg/L
2	Tl 190.800	15.2	15.6	-0.0007033 mg/L	-0.0035166 mg/L
2	V 292.402	262.3	268.4	0.0393275 mg/L	0.196637 mg/L
2	Zn 206.200	1023.6	1047.2	0.487952 mg/L	2.43976 mg/L

Mean Data

ID: 0B03018-SRD1 Seq. No.: 28 Sample No.: 11 A/S Pos: 27
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 5.0
Data: Original Date: 2/3/10 10:59:27 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	406895.0	97.8	0.07	mg/L				0.07%
Y 360.064	246681.7	97.9	0.02	mg/L				0.02%
Ag 328.068	33.1	0.0031678	0.00194905	mg/L	0.0158389	0.00974524	mg/L	61.53%
Al 396.140	65430.6	8.78785	0.023614	mg/L	43.9392	0.11807	mg/L	0.27%
As 188.979	12.4	0.0454059	0.00569494	mg/L	0.227029	0.0284747	mg/L	12.54%
B 249.773	897.5	0.0054820	0.00046513	mg/L	0.0274100	0.00232564	mg/L	8.48%
Ba 455.403	175317.1	0.270874	0.0006919	mg/L	1.35437	0.003459	mg/L	0.26%
Be 234.861	404.9	0.0002788	0.00046933	mg/L	0.0013940	0.00234666	mg/L	168.34%
Ca 315.887	543046.1	55.1426	0.21151	mg/L	275.713	1.0576	mg/L	0.38%
Cd 214.438	77.7	0.0043021	0.00145907	mg/L	0.0215105	0.00729534	mg/L	33.92%
Ce 413.765	9.1	0.0407700	0.00647838	mg/L	0.203850	0.0323919	mg/L	15.89%
Co 228.616	39.3	0.0048838	0.00374775	mg/L	0.0244191	0.01873874	mg/L	76.74%
Cr 205.560	90.1	0.0340652	0.00725425	mg/L	0.170326	0.0362713	mg/L	21.30%
Cu 327.394	1713.3	0.118805	0.0032858	mg/L	0.594027	0.0164289	mg/L	2.77%
Fe 238.204	229281.3	26.0027	0.09681	mg/L	130.013	0.4841	mg/L	0.37%
K 766.514	4847.0	0.850225	0.0126262	mg/L	4.25112	0.063131	mg/L	1.49%
Li 670.781	2169.3	0.0101531	0.00126440	mg/L	0.0507656	0.00632198	mg/L	12.45%
Mg 279.074	21535.2	17.4564	0.19673	mg/L	87.2818	0.98363	mg/L	1.13%
Mn 257.610	48823.8	0.664145	0.0074601	mg/L	3.32073	0.037301	mg/L	1.12%
Mo 202.031	1.2	-0.0109900	0.00463504	mg/L	-0.0549501	0.02317519	mg/L	42.17%
Na 589.594	5212.7	0.124973	0.0072521	mg/L	0.624866	0.0362607	mg/L	5.80%
Ni 231.603	142.8	0.0360982	0.00363556	mg/L	0.180491	0.0181778	mg/L	10.07%
Pb 220.353	54.6	0.220082	0.0133938	mg/L	1.10041	0.066969	mg/L	6.09%
Sb 206.831	3.0	-0.0363502	0.01624060	mg/L	-0.181751	0.0812030	mg/L	44.68%
Se 196.026	72.7	-0.0258243	0.01914505	mg/L	-0.129122	0.0957252	mg/L	74.14%
Si 251.611	5484.9	0.837634	0.0060448	mg/L	4.18817	0.030224	mg/L	0.72%
Sn 189.933	-14.3	-0.138520	0.0148931	mg/L	-0.692598	0.0744655	mg/L	10.75%
Sr 407.771	93806.0	0.0662075	0.00034825	mg/L	0.331038	0.0017412	mg/L	0.53%
Ti 334.941	33294.4	0.347311	0.0018842	mg/L	1.73655	0.009421	mg/L	0.54%
Tl 190.800	12.0	-0.0232398	0.03187133	mg/L	-0.116199	0.1593566	mg/L	137.14%
V 292.402	241.7	0.0375549	0.00250684	mg/L	0.187774	0.0125342	mg/L	6.68%
Zn 206.200	1051.1	0.489749	0.0025413	mg/L	2.44875	0.012707	mg/L	0.52%

Replicate Data

ID: 1000890-PS1 Date: 2/3/10 11:02:59 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	408686.1	408686.1	98.2	mg/L		
1	Y 360.064	247659.7	247659.7	98.3	mg/L		
1	Ag 328.068	5927.5	6034.9	0.244241	mg/L	0.244241	mg/L
1	Al 396.140	332829.1	338860.0	45.5007	mg/L	45.5007	mg/L
1	As 188.979	239.1	243.4	1.39554	mg/L	1.39554	mg/L
1	B 249.773	6137.3	6248.5	0.258352	mg/L	0.258352	mg/L
1	Ba 455.403	964688.9	982169.4	1.58729	mg/L	1.58729	mg/L
1	Be 234.861	3725.6	3793.1	0.0263645	mg/L	0.0263645	mg/L
1	Ca 315.887	2751198.1	2801050.7	284.343	mg/L	284.343	mg/L
1	Cd 214.438	1703.7	1734.6	0.252446	mg/L	0.252446	mg/L
1	Ce 413.765	769.0	783.0	0.157680	mg/L	0.157680	mg/L
1	Co 228.616	1025.9	1044.5	0.275831	mg/L	0.275831	mg/L
1	Cr 205.560	492.6	501.6	0.392075	mg/L	0.392075	mg/L
1	Cu 327.394	11930.4	12146.6	0.884033	mg/L	0.884033	mg/L

1	Fe 238.204	1092279.6	1112072.1	126.177 mg/L	126.177 mg/L
1	K 766.514	54610.4	55599.9	16.8465 mg/L	16.8465 mg/L
1	Li 670.781	48327.6	49203.3	0.307495 mg/L	0.307495 mg/L
1	Mg 279.074	120217.2	122395.6	99.2531 mg/L	99.2531 mg/L
1	Mn 257.610	252497.6	257072.9	3.49047 mg/L	3.49047 mg/L
1	Mo 202.031	149.7	152.5	0.220176 mg/L	0.220176 mg/L
1	Na 589.594	195720.2	199266.7	13.2852 mg/L	13.2852 mg/L
1	Ni 231.603	741.4	754.9	0.400800 mg/L	0.400800 mg/L
1	Pb 220.353	295.1	300.5	1.15217 mg/L	1.15217 mg/L
1	Sb 206.831	229.7	233.9	1.26877 mg/L	1.26877 mg/L
1	Se 196.026	218.8	222.8	1.11551 mg/L	1.11551 mg/L
1	Si 251.611	27550.6	28049.8	5.09863 mg/L	5.09863 mg/L
1	Sn 189.933	80.8	82.3	0.850653 mg/L	0.850653 mg/L
1	Sr 407.771	785444.4	799676.9	0.582109 mg/L	0.582109 mg/L
1	Ti 334.941	178787.2	182026.8	1.98395 mg/L	1.98395 mg/L
1	Tl 190.800	197.5	201.1	1.16040 mg/L	1.16040 mg/L
1	V 292.402	6133.1	6244.3	0.417050 mg/L	0.417050 mg/L
1	Zn 206.200	5488.1	5587.5	2.60646 mg/L	2.60646 mg/L
2	Sc 357.253	408584.6	408584.6	98.2 mg/L	
2	Y 360.064	247303.1	247303.1	98.2 mg/L	
2	Ag 328.068	5829.9	5937.1	0.240312 mg/L	0.240312 mg/L
2	Al 396.140	331304.2	337391.4	45.3035 mg/L	45.3035 mg/L
2	As 188.979	240.1	244.5	1.40190 mg/L	1.40190 mg/L
2	B 249.773	6158.8	6272.0	0.261423 mg/L	0.261423 mg/L
2	Ba 455.403	961212.1	978872.6	1.58191 mg/L	1.58191 mg/L
2	Be 234.861	3641.4	3708.3	0.0254369 mg/L	0.0254369 mg/L
2	Ca 315.887	2744132.2	2794550.6	283.683 mg/L	283.683 mg/L
2	Cd 214.438	1688.9	1720.0	0.250192 mg/L	0.250192 mg/L
2	Ce 413.765	810.7	825.6	0.164120 mg/L	0.164120 mg/L
2	Co 228.616	1028.6	1047.5	0.276867 mg/L	0.276867 mg/L
2	Cr 205.560	469.0	477.6	0.370240 mg/L	0.370240 mg/L
2	Cu 327.394	11669.8	11884.2	0.865476 mg/L	0.865476 mg/L
2	Fe 238.204	1089532.3	1109550.5	125.891 mg/L	125.891 mg/L
2	K 766.514	54330.2	55328.4	16.7609 mg/L	16.7609 mg/L
2	Li 670.781	47992.3	48874.1	0.305413 mg/L	0.305413 mg/L
2	Mg 279.074	118604.9	120784.1	97.9455 mg/L	97.9455 mg/L
2	Mn 257.610	251496.9	256117.7	3.47750 mg/L	3.47750 mg/L
2	Mo 202.031	150.6	153.4	0.221581 mg/L	0.221581 mg/L
2	Na 589.594	194772.5	198351.1	13.2231 mg/L	13.2231 mg/L
2	Ni 231.603	720.4	733.7	0.388160 mg/L	0.388160 mg/L
2	Pb 220.353	311.6	317.3	1.21610 mg/L	1.21610 mg/L
2	Sb 206.831	231.0	235.2	1.27538 mg/L	1.27538 mg/L
2	Se 196.026	227.3	231.4	1.18132 mg/L	1.18132 mg/L
2	Si 251.611	27159.1	27658.1	5.02312 mg/L	5.02312 mg/L
2	Sn 189.933	76.7	78.1	0.807671 mg/L	0.807671 mg/L
2	Sr 407.771	782891.4	797275.5	0.580354 mg/L	0.580354 mg/L
2	Ti 334.941	178198.3	181472.3	1.97785 mg/L	1.97785 mg/L
2	Tl 190.800	200.8	204.5	1.18206 mg/L	1.18206 mg/L
2	V 292.402	6029.4	6140.1	0.410186 mg/L	0.410186 mg/L
2	Zn 206.200	5492.2	5593.1	2.60905 mg/L	2.60905 mg/L

Mean Data

ID: 1000890-PS1 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: 2/3/10 11:02:59 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	408635.4	98.2	0.02	mg/L				0.02%
Y 360.064	247481.4	98.3	0.10	mg/L				0.10%
Ag 328.068	5986.0	0.242277	0.0027782	mg/L	0.242277	0.0027782	mg/L	1.15%
Al 396.140	338125.7	45.4021	0.13944	mg/L	45.4021	0.13944	mg/L	0.31%
As 188.979	244.0	1.39872	0.004496	mg/L	1.39872	0.004496	mg/L	0.32%
B 249.773	6260.2	0.259888	0.0021711	mg/L	0.259888	0.0021711	mg/L	0.84%
Ba 455.403	980521.0	1.58460	0.003803	mg/L	1.58460	0.003803	mg/L	0.24%
Be 234.861	3750.7	0.0259007	0.00065591	mg/L	0.0259007	0.00065591	mg/L	2.53%
Ca 315.887	2797800.7	284.013	0.4667	mg/L	284.013	0.4667	mg/L	0.16%
Cd 214.438	1727.3	0.251319	0.0015940	mg/L	0.251319	0.0015940	mg/L	0.63%
Ce 413.765	804.3	0.160900	0.0045538	mg/L	0.160900	0.0045538	mg/L	2.83%
Co 228.616	1046.0	0.276349	0.0007328	mg/L	0.276349	0.0007328	mg/L	0.27%
Cr 205.560	489.6	0.381157	0.0154396	mg/L	0.381157	0.0154396	mg/L	4.05%

Cu 327.394	12015.4	0.874754	0.0131217	mg/L	0.874754	0.0131217 mg/L	1.50%
Fe 238.204	1110811.3	126.034	0.2023	mg/L	126.034	0.2023 mg/L	0.16%
K 766.514	55464.2	16.8037	0.06050	mg/L	16.8037	0.06050 mg/L	0.36%
Li 670.781	49038.7	0.306454	0.0014719	mg/L	0.306454	0.0014719 mg/L	0.48%
Mg 279.074	121589.9	98.5993	0.92457	mg/L	98.5993	0.92457 mg/L	0.94%
Mn 257.610	256595.3	3.48398	0.009167	mg/L	3.48398	0.009167 mg/L	0.26%
Mo 202.031	152.9	0.220878	0.0009932	mg/L	0.220878	0.0009932 mg/L	0.45%
Na 589.594	198808.9	13.2542	0.04393	mg/L	13.2542	0.04393 mg/L	0.33%
Ni 231.603	744.3	0.394480	0.0089377	mg/L	0.394480	0.0089377 mg/L	2.27%
Pb 220.353	308.9	1.18413	0.045207	mg/L	1.18413	0.045207 mg/L	3.82%
Sb 206.831	234.5	1.27208	0.004680	mg/L	1.27208	0.004680 mg/L	0.37%
Se 196.026	227.1	1.14841	0.046539	mg/L	1.14841	0.046539 mg/L	4.05%
Si 251.611	27854.0	5.06087	0.053392	mg/L	5.06087	0.053392 mg/L	1.05%
Sn 189.933	80.2	0.829162	0.0303931	mg/L	0.829162	0.0303931 mg/L	3.67%
Sr 407.771	798476.2	0.581232	0.0012411	mg/L	0.581232	0.0012411 mg/L	0.21%
Ti 334.941	181749.6	1.98090	0.004315	mg/L	1.98090	0.004315 mg/L	0.22%
Tl 190.800	202.8	1.17123	0.015315	mg/L	1.17123	0.015315 mg/L	1.31%
V 292.402	6192.2	0.413618	0.0048531	mg/L	0.413618	0.0048531 mg/L	1.17%
Zn 206.200	5590.3	2.60775	0.001833	mg/L	2.60775	0.001833 mg/L	0.07%

Replicate Data

ID: 1001382-07 Date: 2/3/10 11:06:41 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	394185.8	394185.8	94.7	mg/L		
1	Y 360.064	236769.6	236769.6	94.0	mg/L		
1	Ag 328.068	-121.3	-128.0	-0.0033049	mg/L	-0.0033049	mg/L
1	Al 396.140	280886.2	296495.7	39.9823	mg/L	39.9823	mg/L
1	As 188.979	76.7	81.0	0.446407	mg/L	0.446407	mg/L
1	B 249.773	3808.4	4020.0	0.0354763	mg/L	0.0354763	mg/L
1	Ba 455.403	88272.9	93178.5	0.136861	mg/L	0.136861	mg/L
1	Be 234.861	1454.1	1534.9	0.0005039	mg/L	0.0005039	mg/L
1	Ca 315.887	12075414.6	12746474.3	1293.81	mg/L	1293.81	mg/L
1	Cd 214.438	275.2	290.5	0.0121752	mg/L	0.0121752	mg/L
1	Ce 413.765	989.5	1044.5	0.197192	mg/L	0.197192	mg/L
1	Co 228.616	344.1	363.2	0.0435771	mg/L	0.0435771	mg/L
1	Cr 205.560	211.0	222.7	0.137494	mg/L	0.137494	mg/L
1	Cu 327.394	112.1	118.4	0.144094	mg/L	0.144094	mg/L
1	Fe 238.204	1068322.9	1127692.1	127.949	mg/L	127.949	mg/L
1	K 766.514	21279.7	22462.3	6.48390	mg/L	6.48390	mg/L
1	Li 670.781	12812.7	13524.7	0.0819402	mg/L	0.0819402	mg/L
1	Mg 279.074	540077.3	570090.7	462.660	mg/L	462.660	mg/L
1	Mn 257.610	248000.4	261782.3	3.55438	mg/L	3.55438	mg/L
1	Mo 202.031	-18.6	-19.6	-0.0428006	mg/L	-0.0428006	mg/L
1	Na 589.594	26783.2	28271.6	1.78479	mg/L	1.78479	mg/L
1	Ni 231.603	339.4	358.2	0.183842	mg/L	0.183842	mg/L
1	Pb 220.353	-0.9	-0.9	0.0096054	mg/L	0.0096054	mg/L
1	Sb 206.831	-34.2	-36.2	-0.0563703	mg/L	-0.0563703	mg/L
1	Se 196.026	20.7	21.8	-0.274234	mg/L	-0.274234	mg/L
1	Si 251.611	30952.0	32672.0	4.58436	mg/L	4.58436	mg/L
1	Sn 189.933	-130.5	-137.7	-1.40148	mg/L	-1.40148	mg/L
1	Sr 407.771	886004.1	935241.5	0.681190	mg/L	0.681190	mg/L
1	Ti 334.941	207647.0	219186.5	2.39286	mg/L	2.39286	mg/L
1	Tl 190.800	3.8	4.0	-0.0732044	mg/L	-0.0732044	mg/L
1	V 292.402	2266.5	2392.5	0.161394	mg/L	0.161394	mg/L
1	Zn 206.200	518.3	547.1	0.254582	mg/L	0.254582	mg/L
2	Sc 357.253	396095.3	396095.3	95.2	mg/L		
2	Y 360.064	237572.6	237572.6	94.3	mg/L		
2	Ag 328.068	-184.6	-193.9	-0.0059499	mg/L	-0.0059499	mg/L
2	Al 396.140	280131.1	294273.1	39.6830	mg/L	39.6830	mg/L
2	As 188.979	64.4	67.7	0.368716	mg/L	0.368716	mg/L
2	B 249.773	3818.3	4011.0	0.0365908	mg/L	0.0365908	mg/L
2	Ba 455.403	87878.5	92314.9	0.135452	mg/L	0.135452	mg/L
2	Be 234.861	1416.0	1487.5	0.0000570	mg/L	0.0000570	mg/L
2	Ca 315.887	12073774.1	12683301.3	1287.40	mg/L	1287.40	mg/L
2	Cd 214.438	288.4	303.0	0.0142756	mg/L	0.0142756	mg/L
2	Ce 413.765	973.1	1022.2	0.193828	mg/L	0.193828	mg/L
2	Co 228.616	356.9	374.9	0.0476291	mg/L	0.0476291	mg/L
2	Cr 205.560	202.1	212.3	0.128116	mg/L	0.128116	mg/L

2 Cu 327.394	47.6	50.0	0.138596 mg/L	0.138596 mg/L	
2 Fe 238.204	1067314.2	1121196.0	127.212 mg/L	127.212 mg/L	
2 K 766.514	21115.4	22181.4	6.39498 mg/L	6.39498 mg/L	
2 Li 670.781	12671.6	13311.3	0.0805911 mg/L	0.0805911 mg/L	
2 Mg 279.074	538840.4	566043.0	459.375 mg/L	459.375 mg/L	
2 Mn 257.610	247548.7	260045.8	3.53081 mg/L	3.53081 mg/L	
2 Mo 202.031	-15.6	-16.3	-0.0378036 mg/L	-0.0378036 mg/L	
2 Na 589.594	26927.8	28287.2	1.78524 mg/L	1.78524 mg/L	
2 Ni 231.603	312.4	328.2	0.165797 mg/L	0.165797 mg/L	
2 Pb 220.353	-6.8	-7.2	-0.0139994 mg/L	-0.0139994 mg/L	
2 Sb 206.831	-27.1	-28.5	-0.0178991 mg/L	-0.0178991 mg/L	
2 Se 196.026	27.0	28.4	-0.225222 mg/L	-0.225222 mg/L	
2 Si 251.611	30719.9	32270.7	4.51526 mg/L	4.51526 mg/L	
2 Sn 189.933	-131.0	-137.6	-1.40062 mg/L	-1.40062 mg/L	
2 Sr 407.771	883834.5	928453.6	0.676228 mg/L	0.676228 mg/L	
2 Ti 334.941	206744.0	217181.2	2.37079 mg/L	2.37079 mg/L	
2 Tl 190.800	12.7	13.3	-0.0146589 mg/L	-0.0146589 mg/L	
2 V 292.402	2328.6	2446.1	0.165061 mg/L	0.165061 mg/L	
2 Zn 206.200	520.6	546.9	0.254490 mg/L	0.254490 mg/L	

Mean Data

ID: 1001382-07 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: 2/3/10 11:06:41 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	395140.6	95.0	0.32	mg/L				0.34%
Y 360.064	237171.1	94.2	0.23	mg/L				0.24%
Ag 328.068	-161.0	-0.0046274	0.00187032	mg/L	-0.0046274	0.00187032	mg/L	40.42%
Al 396.140	295384.4	39.8327	0.21161	mg/L	39.8327	0.21161	mg/L	0.53%
As 188.979	74.4	0.407562	0.0549361	mg/L	0.407562	0.0549361	mg/L	13.48%
B 249.773	4015.5	0.0360336	0.00078809	mg/L	0.0360336	0.00078809	mg/L	2.19%
Ba 455.403	92746.7	0.136156	0.0009963	mg/L	0.136156	0.0009963	mg/L	0.73%
Be 234.861	1511.2	0.0002804	0.00031596	mg/L	0.0002804	0.00031596	mg/L	112.67%
Ca 315.887	12714887.8	1290.60	4.534	mg/L	1290.60	4.534	mg/L	0.35%
Cd 214.438	296.8	0.0132254	0.00148521	mg/L	0.0132254	0.00148521	mg/L	11.23%
Ce 413.765	1033.4	0.195510	0.0023790	mg/L	0.195510	0.0023790	mg/L	1.22%
Co 228.616	369.0	0.0456031	0.00286516	mg/L	0.0456031	0.00286516	mg/L	6.28%
Cr 205.560	217.5	0.132805	0.0066313	mg/L	0.132805	0.0066313	mg/L	4.99%
Cu 327.394	84.2	0.141345	0.0038877	mg/L	0.141345	0.0038877	mg/L	2.75%
Fe 238.204	1124444.1	127.581	0.5212	mg/L	127.581	0.5212	mg/L	0.41%
K 766.514	22321.8	6.43944	0.062876	mg/L	6.43944	0.062876	mg/L	0.98%
Li 670.781	13418.0	0.0812656	0.00095395	mg/L	0.0812656	0.00095395	mg/L	1.17%
Mg 279.074	568066.9	461.017	2.3227	mg/L	461.017	2.3227	mg/L	0.50%
Mn 257.610	260914.1	3.54260	0.016665	mg/L	3.54260	0.016665	mg/L	0.47%
Mo 202.031	-18.0	-0.0403021	0.00353342	mg/L	-0.0403021	0.00353342	mg/L	8.77%
Na 589.594	28279.4	1.78502	0.000320	mg/L	1.78502	0.000320	mg/L	0.02%
Ni 231.603	343.2	0.174819	0.0127600	mg/L	0.174819	0.0127600	mg/L	7.30%
Pb 220.353	-4.1	-0.0021970	0.01669113	mg/L	-0.0021970	0.01669113	mg/L	759.72%
Sb 206.831	-32.3	-0.0371347	0.02720322	mg/L	-0.0371347	0.02720322	mg/L	73.26%
Se 196.026	25.1	-0.249728	0.0346563	mg/L	-0.249728	0.0346563	mg/L	13.88%
Si 251.611	32471.4	4.54981	0.048860	mg/L	4.54981	0.048860	mg/L	1.07%
Sn 189.933	-137.7	-1.40105	0.000610	mg/L	-1.40105	0.000610	mg/L	0.04%
Sr 407.771	931847.6	0.678709	0.0035080	mg/L	0.678709	0.0035080	mg/L	0.52%
Ti 334.941	218183.8	2.38182	0.015603	mg/L	2.38182	0.015603	mg/L	0.66%
Tl 190.800	8.6	-0.0439316	0.04139789	mg/L	-0.0439316	0.04139789	mg/L	94.23%
V 292.402	2419.3	0.163228	0.0025928	mg/L	0.163228	0.0025928	mg/L	1.59%
Zn 206.200	547.0	0.254536	0.0000655	mg/L	0.254536	0.0000655	mg/L	0.03%

Replicate Data

ID: 1001382-08 Date: 2/3/10 11:10:29 AM

Repl# Element	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units
1 Sc 357.253	389479.6	389479.6	93.6 mg/L	
1 Y 360.064	232481.9	232481.9	92.3 mg/L	
1 Ag 328.068	-144.4	-154.3	-0.0043595 mg/L	-0.0043595 mg/L
1 Al 396.140	301326.7	321915.5	43.3842 mg/L	43.3842 mg/L
1 As 188.979	68.3	72.9	0.399333 mg/L	0.399333 mg/L
1 B 249.773	4416.3	4718.1	0.0408670 mg/L	0.0408670 mg/L

1	Ba 455.403	97535.5	104199.8	0.154843	mg/L	0.154843 mg/L
1	Be 234.861	1698.7	1814.8	0.0008039	mg/L	0.0008039 mg/L
1	Ca 315.887	11146001.8	11907574.9	1208.67	mg/L	1208.67 mg/L
1	Cd 214.438	314.6	336.1	0.0161122	mg/L	0.0161122 mg/L
1	Ce 413.765	1044.0	1115.3	0.207893	mg/L	0.207893 mg/L
1	Co 228.616	391.4	418.1	0.0494288	mg/L	0.0494288 mg/L
1	Cr 205.560	196.9	210.4	0.123008	mg/L	0.123008 mg/L
1	Cu 327.394	458.8	490.1	0.161223	mg/L	0.161223 mg/L
1	Fe 238.204	1247579.0	1332822.4	151.226	mg/L	151.226 mg/L
1	K 766.514	22679.8	24229.4	7.04489	mg/L	7.04489 mg/L
1	Li 670.781	13542.2	14467.5	0.0879000	mg/L	0.0879000 mg/L
1	Mg 279.074	581896.2	621655.4	504.476	mg/L	504.476 mg/L
1	Mn 257.610	261846.1	279737.3	3.79806	mg/L	3.79806 mg/L
1	Mo 202.031	-20.7	-22.1	-0.0465847	mg/L	-0.0465847 mg/L
1	Na 589.594	28393.3	30333.3	1.92514	mg/L	1.92514 mg/L
1	Ni 231.603	348.7	372.6	0.183703	mg/L	0.183703 mg/L
1	Pb 220.353	-16.8	-17.9	-0.0547738	mg/L	-0.0547738 mg/L
1	Sb 206.831	-28.8	-30.8	-0.0014747	mg/L	-0.0014747 mg/L
1	Se 196.026	41.2	44.1	-0.0927071	mg/L	-0.0927071 mg/L
1	Si 251.611	33374.8	35655.2	5.01625	mg/L	5.01625 mg/L
1	Sn 189.933	-124.9	-133.5	-1.35801	mg/L	-1.35801 mg/L
1	Sr 407.771	727218.2	776906.8	0.565467	mg/L	0.565467 mg/L
1	Ti 334.941	249833.8	266904.2	2.91794	mg/L	2.91794 mg/L
1	Tl 190.800	13.9	14.8	-0.0051864	mg/L	-0.0051864 mg/L
1	V 292.402	2449.6	2617.0	0.172867	mg/L	0.172867 mg/L
1	Zn 206.200	589.2	629.5	0.293025	mg/L	0.293025 mg/L
2	Sc 357.253	386533.0	386533.0	92.9	mg/L	
2	Y 360.064	230265.4	230265.4	91.4	mg/L	
2	Ag 328.068	-190.8	-205.4	-0.0064129	mg/L	-0.0064129 mg/L
2	Al 396.140	299584.9	322494.5	43.4635	mg/L	43.4635 mg/L
2	As 188.979	71.5	77.0	0.422873	mg/L	0.422873 mg/L
2	B 249.773	4421.6	4759.8	0.0439381	mg/L	0.0439381 mg/L
2	Ba 455.403	97086.4	104510.7	0.155350	mg/L	0.155350 mg/L
2	Be 234.861	1640.6	1766.1	0.0002047	mg/L	0.0002047 mg/L
2	Ca 315.887	11171395.5	12025685.5	1220.66	mg/L	1220.66 mg/L
2	Cd 214.438	300.2	323.1	0.0140483	mg/L	0.0140483 mg/L
2	Ce 413.765	1035.2	1114.3	0.207741	mg/L	0.207741 mg/L
2	Co 228.616	382.8	412.1	0.0474059	mg/L	0.0474059 mg/L
2	Cr 205.560	193.2	208.0	0.120754	mg/L	0.120754 mg/L
2	Cu 327.394	377.8	406.7	0.156625	mg/L	0.156625 mg/L
2	Fe 238.204	1241195.5	1336111.2	151.600	mg/L	151.600 mg/L
2	K 766.514	22902.2	24653.5	7.17876	mg/L	7.17876 mg/L
2	Li 670.781	13540.6	14576.1	0.0885867	mg/L	0.0885867 mg/L
2	Mg 279.074	577966.0	622163.8	504.889	mg/L	504.889 mg/L
2	Mn 257.610	260351.6	280261.0	3.80517	mg/L	3.80517 mg/L
2	Mo 202.031	-18.0	-19.4	-0.0424632	mg/L	-0.0424632 mg/L
2	Na 589.594	28164.8	30318.6	1.92477	mg/L	1.92477 mg/L
2	Ni 231.603	334.5	360.0	0.176236	mg/L	0.176236 mg/L
2	Pb 220.353	-11.7	-12.6	-0.0344498	mg/L	-0.0344498 mg/L
2	Sb 206.831	-12.2	-13.2	0.0895344	mg/L	0.0895344 mg/L
2	Se 196.026	35.3	38.1	-0.138233	mg/L	-0.138233 mg/L
2	Si 251.611	33408.2	35962.9	5.07715	mg/L	5.07715 mg/L
2	Sn 189.933	-125.0	-134.6	-1.36962	mg/L	-1.36962 mg/L
2	Sr 407.771	722423.9	777668.6	0.566024	mg/L	0.566024 mg/L
2	Ti 334.941	249202.4	268259.2	2.93285	mg/L	2.93285 mg/L
2	Tl 190.800	3.6	3.9	-0.0737330	mg/L	-0.0737330 mg/L
2	V 292.402	2493.7	2684.4	0.177282	mg/L	0.177282 mg/L
2	Zn 206.200	589.8	634.9	0.295575	mg/L	0.295575 mg/L

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

ID: 1001382-08 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: 2/3/10 11:10:29 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	388006.3	93.3	0.50	mg/L				0.54%
Y 360.064	231373.6	91.9	0.62	mg/L				0.68%
Ag 328.068	-179.9	-0.0053862	0.00145200	mg/L	-0.0053862	0.00145200	mg/L	26.96%
Al 396.140	322205.0	43.4239	0.05609	mg/L	43.4239	0.05609	mg/L	0.13%
As 188.979	75.0	0.411103	0.0166451	mg/L	0.411103	0.0166451	mg/L	4.05%

B 249.773	4738.9	0.0424025	0.00217161	mg/L	0.0424025	0.00217161 mg/L	5.12%
Ba 455.403	104355.3	0.155096	0.0003587	mg/L	0.155096	0.0003587 mg/L	0.23%
Be 234.861	1790.4	0.0005043	0.00042369	mg/L	0.0005043	0.00042369 mg/L	84.01%
Ca 315.887	11966630.2	1214.67	8.477	mg/L	1214.67	8.477 mg/L	0.70%
Cd 214.438	329.6	0.0150803	0.00145944	mg/L	0.0150803	0.00145944 mg/L	9.68%
Ce 413.765	1114.8	0.207817	0.0001076	mg/L	0.207817	0.0001076 mg/L	0.05%
Co 228.616	415.1	0.0484173	0.00143040	mg/L	0.0484173	0.00143040 mg/L	2.95%
Cr 205.560	209.2	0.121881	0.0015938	mg/L	0.121881	0.0015938 mg/L	1.31%
Cu 327.394	448.4	0.158924	0.0032506	mg/L	0.158924	0.0032506 mg/L	2.05%
Fe 238.204	1334466.8	151.413	0.2639	mg/L	151.413	0.2639 mg/L	0.17%
K 766.514	24441.5	7.11183	0.094664	mg/L	7.11183	0.094664 mg/L	1.33%
Li 670.781	14521.8	0.0882433	0.00048555	mg/L	0.0882433	0.00048555 mg/L	0.55%
Mg 279.074	621909.6	504.682	0.2925	mg/L	504.682	0.2925 mg/L	0.06%
Mn 257.610	279999.2	3.80162	0.005026	mg/L	3.80162	0.005026 mg/L	0.13%
Mo 202.031	-20.7	-0.0445240	0.00291433	mg/L	-0.0445240	0.00291433 mg/L	6.55%
Na 589.594	30325.9	1.92495	0.000262	mg/L	1.92495	0.000262 mg/L	0.01%
Ni 231.603	366.3	0.179970	0.0052798	mg/L	0.179970	0.0052798 mg/L	2.93%
Pb 220.353	-15.2	-0.0446118	0.01437129	mg/L	-0.0446118	0.01437129 mg/L	32.21%
Sb 206.831	-22.0	0.0440299	0.06435320	mg/L	0.0440299	0.06435320 mg/L	146.16%
Se 196.026	41.1	-0.115470	0.0321916	mg/L	-0.115470	0.0321916 mg/L	27.88%
Si 251.611	35809.1	5.04670	0.043064	mg/L	5.04670	0.043064 mg/L	0.85%
Sn 189.933	-134.0	-1.36382	0.008203	mg/L	-1.36382	0.008203 mg/L	0.60%
Sr 407.771	777287.7	0.565745	0.0003937	mg/L	0.565745	0.0003937 mg/L	0.07%
Ti 334.941	267581.7	2.92539	0.010543	mg/L	2.92539	0.010543 mg/L	0.36%
Tl 190.800	9.4	-0.0394597	0.04846980	mg/L	-0.0394597	0.04846980 mg/L	122.83%
V 292.402	2650.7	0.175075	0.0031219	mg/L	0.175075	0.0031219 mg/L	1.78%
Zn 206.200	632.2	0.294300	0.0018033	mg/L	0.294300	0.0018033 mg/L	0.61%

Replicate Data

ID: 1001382-09 Date: 2/3/10 11:14:11 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	391373.3	391373.3	94.1	mg/L		
1	Y 360.064	236054.7	236054.7	93.7	mg/L		
1	Ag 328.068	-93.7	-99.6	-0.0021615	mg/L	-0.0021615	mg/L
1	Al 396.140	252605.4	268559.4	36.1235	mg/L	36.1235	mg/L
1	As 188.979	40.1	42.6	0.222225	mg/L	0.222225	mg/L
1	B 249.773	5016.5	5333.3	0.0339586	mg/L	0.0339586	mg/L
1	Ba 455.403	679229.4	722128.1	1.16302	mg/L	1.16302	mg/L
1	Be 234.861	2377.9	2528.1	0.0058338	mg/L	0.0058338	mg/L
1	Ca 315.887	4371761.4	4647872.4	471.799	mg/L	471.799	mg/L
1	Cd 214.438	228.1	242.5	0.0168218	mg/L	0.0168218	mg/L
1	Ce 413.765	648.5	689.4	0.143550	mg/L	0.143550	mg/L
1	Co 228.616	341.6	363.1	0.0455699	mg/L	0.0455699	mg/L
1	Cr 205.560	189.2	201.1	0.111154	mg/L	0.111154	mg/L
1	Cu 327.394	2191.2	2329.6	0.212412	mg/L	0.212412	mg/L
1	Fe 238.204	1459447.2	1551622.8	176.055	mg/L	176.055	mg/L
1	K 766.514	16438.5	17476.8	4.87796	mg/L	4.87796	mg/L
1	Li 670.781	10820.0	11503.4	0.0691616	mg/L	0.0691616	mg/L
1	Mg 279.074	163796.0	174141.0	141.231	mg/L	141.231	mg/L
1	Mn 257.610	268591.2	285554.8	3.87702	mg/L	3.87702	mg/L
1	Mo 202.031	-14.8	-15.8	-0.0369089	mg/L	-0.0369089	mg/L
1	Na 589.594	20467.9	21760.6	1.28591	mg/L	1.28591	mg/L
1	Ni 231.603	333.5	354.6	0.150142	mg/L	0.150142	mg/L
1	Pb 220.353	34.0	36.1	0.150113	mg/L	0.150113	mg/L
1	Sb 206.831	-10.2	-10.9	0.0535487	mg/L	0.0535487	mg/L
1	Se 196.026	70.7	75.2	-0.0070400	mg/L	-0.0070400	mg/L
1	Si 251.611	17480.8	18584.9	3.00052	mg/L	3.00052	mg/L
1	Sn 189.933	-68.3	-72.6	-0.734919	mg/L	-0.734919	mg/L
1	Sr 407.771	1235647.4	1313688.2	0.957786	mg/L	0.957786	mg/L
1	Ti 334.941	162121.0	172360.2	1.87758	mg/L	1.87758	mg/L
1	Tl 190.800	6.7	7.1	-0.0534835	mg/L	-0.0534835	mg/L
1	V 292.402	2156.5	2292.7	0.147720	mg/L	0.147720	mg/L
1	Zn 206.200	1073.5	1141.3	0.531859	mg/L	0.531859	mg/L
2	Sc 357.253	392267.8	392267.8	94.3	mg/L		
2	Y 360.064	236901.5	236901.5	94.1	mg/L		
2	Ag 328.068	-71.9	-76.3	-0.0012251	mg/L	-0.0012251	mg/L
2	Al 396.140	251733.6	267022.3	35.9167	mg/L	35.9167	mg/L
2	As 188.979	49.4	52.5	0.279589	mg/L	0.279589	mg/L

2 B 249.773	4945.0	5245.3	0.0282130 mg/L	0.0282130 mg/L
2 Ba 455.403	675783.6	716826.3	1.15437 mg/L	1.15437 mg/L
2 Be 234.861	2392.9	2538.3	0.0060801 mg/L	0.0060801 mg/L
2 Ca 315.887	4354098.9	4618539.1	468.822 mg/L	468.822 mg/L
2 Cd 214.438	222.3	235.8	0.0158540 mg/L	0.0158540 mg/L
2 Ce 413.765	634.4	673.0	0.141063 mg/L	0.141063 mg/L
2 Co 228.616	321.0	340.5	0.0389880 mg/L	0.0389880 mg/L
2 Cr 205.560	194.1	205.9	0.115655 mg/L	0.115655 mg/L
2 Cu 327.394	2261.9	2399.3	0.217009 mg/L	0.217009 mg/L
2 Fe 238.204	1453975.6	1542280.8	174.995 mg/L	174.995 mg/L
2 K 766.514	16584.1	17591.3	4.91361 mg/L	4.91361 mg/L
2 Li 670.781	10968.4	11634.6	0.0699910 mg/L	0.0699910 mg/L
2 Mg 279.074	163699.5	173641.5	140.826 mg/L	140.826 mg/L
2 Mn 257.610	268153.1	284439.1	3.86187 mg/L	3.86187 mg/L
2 Mo 202.031	-13.1	-13.9	-0.0340473 mg/L	-0.0340473 mg/L
2 Na 589.594	20283.9	21515.9	1.26909 mg/L	1.26909 mg/L
2 Ni 231.603	337.6	358.1	0.152355 mg/L	0.152355 mg/L
2 Pb 220.353	48.5	51.4	0.208121 mg/L	0.208121 mg/L
2 Sb 206.831	-16.0	-17.0	0.0213248 mg/L	0.0213248 mg/L
2 Se 196.026	63.4	67.2	-0.0677043 mg/L	-0.0677043 mg/L
2 Si 251.611	17294.5	18344.9	2.95278 mg/L	2.95278 mg/L
2 Sn 189.933	-65.9	-69.9	-0.707020 mg/L	-0.707020 mg/L
2 Sr 407.771	1228977.3	1303617.6	0.950425 mg/L	0.950425 mg/L
2 Ti 334.941	161458.1	171264.0	1.86552 mg/L	1.86552 mg/L
2 Tl 190.800	4.7	5.0	-0.0669408 mg/L	-0.0669408 mg/L
2 V 292.402	2126.7	2255.8	0.145432 mg/L	0.145432 mg/L
2 Zn 206.200	1065.4	1130.1	0.526623 mg/L	0.526623 mg/L

Mean Data

ID: 1001382-09 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: 2/3/10 11:14:11 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	391820.6	94.2	0.15	mg/L				0.16%
Y 360.064	236478.1	93.9	0.24	mg/L				0.25%
Ag 328.068	-87.9	-0.0016933	0.00066212	mg/L	-0.0016933	0.00066212	mg/L	39.10%
Al 396.140	267790.9	36.0201	0.14621	mg/L	36.0201	0.14621	mg/L	0.41%
As 188.979	47.5	0.250907	0.0405625	mg/L	0.250907	0.0405625	mg/L	16.17%
B 249.773	5289.3	0.0310858	0.00406278	mg/L	0.0310858	0.00406278	mg/L	13.07%
Ba 455.403	719477.2	1.15870	0.006116	mg/L	1.15870	0.006116	mg/L	0.53%
Be 234.861	2533.2	0.0059570	0.00017418	mg/L	0.0059570	0.00017418	mg/L	2.92%
Ca 315.887	4633205.8	470.310	2.1053	mg/L	470.310	2.1053	mg/L	0.45%
Cd 214.438	239.2	0.0163379	0.00068439	mg/L	0.0163379	0.00068439	mg/L	4.19%
Ce 413.765	681.2	0.142307	0.0017584	mg/L	0.142307	0.0017584	mg/L	1.24%
Co 228.616	351.8	0.0422790	0.00465414	mg/L	0.0422790	0.00465414	mg/L	11.01%
Cr 205.560	203.5	0.113404	0.0031824	mg/L	0.113404	0.0031824	mg/L	2.81%
Cu 327.394	2364.4	0.214710	0.0032501	mg/L	0.214710	0.0032501	mg/L	1.51%
Fe 238.204	1546951.8	175.525	0.7496	mg/L	175.525	0.7496	mg/L	0.43%
K 766.514	17534.0	4.89578	0.025211	mg/L	4.89578	0.025211	mg/L	0.51%
Li 670.781	11569.0	0.0695763	0.00058648	mg/L	0.0695763	0.00058648	mg/L	0.84%
Mg 279.074	173891.2	141.028	0.2863	mg/L	141.028	0.2863	mg/L	0.20%
Mn 257.610	284996.9	3.86945	0.010708	mg/L	3.86945	0.010708	mg/L	0.28%
Mo 202.031	-14.8	-0.0354781	0.00202350	mg/L	-0.0354781	0.00202350	mg/L	5.70%
Na 589.594	21638.2	1.27750	0.011892	mg/L	1.27750	0.011892	mg/L	0.93%
Ni 231.603	356.3	0.151248	0.0015650	mg/L	0.151248	0.0015650	mg/L	1.03%
Pb 220.353	43.8	0.179117	0.0410177	mg/L	0.179117	0.0410177	mg/L	22.90%
Sb 206.831	-13.9	0.0374367	0.02278570	mg/L	0.0374367	0.02278570	mg/L	60.86%
Se 196.026	71.2	-0.0373721	0.04289619	mg/L	-0.0373721	0.04289619	mg/L	114.78%
Si 251.611	18464.9	2.97665	0.033756	mg/L	2.97665	0.033756	mg/L	1.13%
Sn 189.933	-71.2	-0.720969	0.0197276	mg/L	-0.720969	0.0197276	mg/L	2.74%
Sr 407.771	1308652.9	0.954106	0.0052045	mg/L	0.954106	0.0052045	mg/L	0.55%
Ti 334.941	171812.1	1.87155	0.008530	mg/L	1.87155	0.008530	mg/L	0.46%
Tl 190.800	6.0	-0.0602121	0.00951576	mg/L	-0.0602121	0.00951576	mg/L	15.80%
V 292.402	2274.2	0.146576	0.0016174	mg/L	0.146576	0.0016174	mg/L	1.10%
Zn 206.200	1135.7	0.529241	0.0037022	mg/L	0.529241	0.0037022	mg/L	0.70%

Replicate Data

ID: 0B03018-CCV Date: 2/3/10 11:17:40 AM

	Net	Corrected	Calib	Sample

Repl#	Element	Intensity	Intensity	Conc.	Units	Conc. Units
1	Sc 357.253	399247.2	399247.2	96.0	mg/L	
1	Y 360.064	241696.6	241696.6	96.0	mg/L	
1	Ag 328.068	12020.6	12527.8	0.505042	mg/L	
1	Al 396.140	18046.5	18807.9	2.52791	mg/L	
1	As 188.979	410.3	427.6	2.47199	mg/L	
1	B 249.773	4829.7	5033.5	0.480533	mg/L	
1	Ba 455.403	305261.8	318141.0	0.503898	mg/L	
1	Be 234.861	4305.3	4487.0	0.0498454	mg/L	
1	Ca 315.887	46531.7	48494.9	4.94019	mg/L	
1	Cd 214.438	3096.5	3227.1	0.493815	mg/L	
1	Ce 413.765	-57.0	-59.4	0.0304163	mg/L	
1	Co 228.616	1526.3	1590.7	0.494525	mg/L	
1	Cr 205.560	577.1	601.5	0.500584	mg/L	
1	Cu 327.394	6830.1	7118.3	0.499566	mg/L	
1	Fe 238.204	4357.3	4541.1	0.500408	mg/L	
1	K 766.514	17558.0	18298.8	5.07187	mg/L	
1	Li 670.781	76893.8	80138.0	0.503059	mg/L	
1	Mg 279.074	5844.1	6090.7	4.93620	mg/L	
1	Mn 257.610	34941.3	36415.5	0.495741	mg/L	
1	Mo 202.031	318.5	331.9	0.494444	mg/L	
1	Na 589.594	74630.9	77779.6	5.02992	mg/L	
1	Ni 231.603	892.7	930.4	0.505360	mg/L	
1	Pb 220.353	125.7	131.0	0.509829	mg/L	
1	Sb 206.831	468.7	488.5	2.46481	mg/L	
1	Se 196.026	388.6	405.0	2.50146	mg/L	
1	Si 251.611	12945.6	13491.7	2.48054	mg/L	
1	Sn 189.933	232.5	242.3	2.48860	mg/L	
1	Sr 407.771	662232.0	690171.8	0.502075	mg/L	
1	Ti 334.941	45065.0	46966.3	0.497756	mg/L	
1	Tl 190.800	412.1	429.5	2.59046	mg/L	
1	V 292.402	6857.1	7146.4	0.495376	mg/L	
1	Zn 206.200	1018.9	1061.9	0.494809	mg/L	
2	Sc 357.253	396205.5	396205.5	95.2	mg/L	
2	Y 360.064	239990.5	239990.5	95.3	mg/L	
2	Ag 328.068	12038.0	12642.2	0.509638	mg/L	
2	Al 396.140	18064.9	18971.6	2.54989	mg/L	
2	As 188.979	424.5	445.8	2.57822	mg/L	
2	B 249.773	4880.1	5125.1	0.489495	mg/L	
2	Ba 455.403	308337.6	323813.5	0.513153	mg/L	
2	Be 234.861	4297.4	4513.1	0.0501416	mg/L	
2	Ca 315.887	46859.1	49211.0	5.01284	mg/L	
2	Cd 214.438	3107.4	3263.3	0.499448	mg/L	
2	Ce 413.765	-246.3	-258.7	0.0003049	mg/L	
2	Co 228.616	1541.1	1618.4	0.503074	mg/L	
2	Cr 205.560	585.8	615.2	0.513121	mg/L	
2	Cu 327.394	6947.9	7296.6	0.512126	mg/L	
2	Fe 238.204	4366.2	4585.3	0.505427	mg/L	
2	K 766.514	17532.2	18412.2	5.10756	mg/L	
2	Li 670.781	77421.6	81307.5	0.510452	mg/L	
2	Mg 279.074	5963.8	6263.2	5.07618	mg/L	
2	Mn 257.610	35121.8	36884.6	0.502108	mg/L	
2	Mo 202.031	322.0	338.2	0.504008	mg/L	
2	Na 589.594	75307.9	79087.7	5.11844	mg/L	
2	Ni 231.603	891.2	935.9	0.508691	mg/L	
2	Pb 220.353	122.5	128.7	0.500927	mg/L	
2	Sb 206.831	466.2	489.6	2.47056	mg/L	
2	Se 196.026	379.0	398.0	2.44841	mg/L	
2	Si 251.611	13214.6	13877.8	2.55976	mg/L	
2	Sn 189.933	234.4	246.2	2.52838	mg/L	
2	Sr 407.771	669211.0	702799.6	0.511304	mg/L	
2	Ti 334.941	45240.7	47511.4	0.503754	mg/L	
2	Tl 190.800	403.8	424.1	2.55656	mg/L	
2	V 292.402	6948.0	7296.7	0.505342	mg/L	
2	Zn 206.200	1022.1	1073.4	0.500177	mg/L	

Mean Data

ID: 0B03018-CCV Seq. No.: 33 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: 2/3/10 11:17:40 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	397726.4	95.6	0.52	mg/L				0.54%
Y 360.064	240843.5	95.6	0.48	mg/L				0.50%
Ag 328.068	12585.0	0.507340	0.0032496	mg/L				0.64%
Al 396.140	18889.7	2.53890	0.015543	mg/L				0.61%
As 188.979	436.7	2.52511	0.075113	mg/L				2.97%
B 249.773	5079.3	0.485014	0.0063371	mg/L				1.31%
Ba 455.403	320977.2	0.508525	0.0065443	mg/L				1.29%
Be 234.861	4500.0	0.0499935	0.00020944	mg/L				0.42%
Ca 315.887	48852.9	4.97652	0.051368	mg/L				1.03%
Cd 214.438	3245.2	0.496631	0.0039828	mg/L				0.80%
Ce 413.765	-159.1	0.0153606	0.02129202	mg/L				138.61%
Co 228.616	1604.6	0.498799	0.0060446	mg/L				1.21%
Cr 205.560	608.4	0.506853	0.0088647	mg/L				1.75%
Cu 327.394	7207.5	0.505846	0.0088816	mg/L				1.76%
Fe 238.204	4563.2	0.502918	0.0035491	mg/L				0.71%
K 766.514	18355.5	5.08972	0.025239	mg/L				0.50%
Li 670.781	80722.7	0.506756	0.0052279	mg/L				1.03%
Mg 279.074	6176.9	5.00619	0.098984	mg/L				1.98%
Mn 257.610	36650.0	0.498925	0.0045022	mg/L				0.90%
Mo 202.031	335.0	0.499226	0.0067625	mg/L				1.35%
Na 589.594	78433.6	5.07418	0.062593	mg/L				1.23%
Ni 231.603	933.1	0.507025	0.0023554	mg/L				0.46%
Pb 220.353	129.8	0.505378	0.0062947	mg/L				1.25%
Sb 206.831	489.0	2.46768	0.004061	mg/L				0.16%
Se 196.026	401.5	2.47494	0.037511	mg/L				1.52%
Si 251.611	13684.8	2.52015	0.056017	mg/L				2.22%
Sn 189.933	244.2	2.50849	0.028127	mg/L				1.12%
Sr 407.771	696485.7	0.506689	0.0065261	mg/L				1.29%
Ti 334.941	47238.9	0.500755	0.0042415	mg/L				0.85%
Tl 190.800	426.8	2.57351	0.023972	mg/L				0.93%
V 292.402	7221.6	0.500359	0.0070468	mg/L				1.41%
Zn 206.200	1067.7	0.497493	0.0037958	mg/L				0.76%

Replicate Data

ID: 0B03018-CCB Date: 2/3/10 11:20:55 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	391714.1	391714.1	94.1	mg/L		
1	Y 360.064	237289.1	237289.1	94.2	mg/L		
1	Ag 328.068	-144.5	-153.5	-0.0043286	mg/L		
1	Al 396.140	-69.0	-73.3	-0.0072279	mg/L		
1	As 188.979	7.2	7.7	0.0180246	mg/L		
1	B 249.773	142.1	151.0	0.0027199	mg/L		
1	Ba 455.403	8136.3	8642.7	-0.0010634	mg/L		
1	Be 234.861	108.4	115.1	0.0002035	mg/L		
1	Ca 315.887	-363.9	-386.5	-0.0189102	mg/L		
1	Cd 214.438	47.8	50.8	0.0001191	mg/L		
1	Ce 413.765	-47.8	-50.8	0.0317144	mg/L		
1	Co 228.616	-5.1	-5.4	0.0013625	mg/L		
1	Cr 205.560	66.5	70.6	0.0163375	mg/L		
1	Cu 327.394	-128.8	-136.8	-0.0115256	mg/L		
1	Fe 238.204	158.5	168.3	0.0042103	mg/L		
1	K 766.514	2122.2	2254.3	0.0259096	mg/L		
1	Li 670.781	351.3	373.2	-0.0012020	mg/L		
1	Mg 279.074	22.0	23.4	0.0131949	mg/L		
1	Mn 257.610	-200.7	-213.2	-0.0013770	mg/L		
1	Mo 202.031	3.7	3.9	-0.0068511	mg/L		
1	Na 589.594	2998.3	3184.9	-0.0178301	mg/L		
1	Ni 231.603	96.3	102.3	0.0120012	mg/L		
1	Pb 220.353	-3.8	-4.1	-0.0023169	mg/L		
1	Sb 206.831	8.4	8.9	-0.0057790	mg/L		
1	Se 196.026	74.0	78.6	0.0184832	mg/L		
1	Si 251.611	1389.3	1475.7	0.0150033	mg/L		
1	Sn 189.933	-3.1	-3.3	-0.0254128	mg/L		
1	Sr 407.771	620.7	659.3	-0.0018708	mg/L		
1	Ti 334.941	1806.9	1919.4	0.0020618	mg/L		
1	Tl 190.800	22.2	23.6	0.0498219	mg/L		

1 V 292.402	-281.9	-299.4	0.0016766	mg/L
1 Zn 206.200	-8.8	-9.3	-0.0050528	mg/L
2 Sc 357.253	387669.0	387669.0	93.2	mg/L
2 Y 360.064	234800.0	234800.0	93.2	mg/L
2 Ag 328.068	38.9	41.8	0.0035161	mg/L
2 Al 396.140	-39.5	-42.4	-0.0030871	mg/L
2 As 188.979	9.7	10.4	0.0339537	mg/L
2 B 249.773	153.6	164.8	0.0040748	mg/L
2 Ba 455.403	8006.6	8593.6	-0.0011435	mg/L
2 Be 234.861	93.9	100.8	0.0000407	mg/L
2 Ca 315.887	-367.1	-394.0	-0.0196701	mg/L
2 Cd 214.438	42.0	45.1	-0.0007569	mg/L
2 Ce 413.765	-268.9	-288.6	-0.0042167	mg/L
2 Co 228.616	-9.3	-10.0	-0.0000718	mg/L
2 Cr 205.560	55.2	59.3	0.0059680	mg/L
2 Cu 327.394	-59.7	-64.1	-0.0064002	mg/L
2 Fe 238.204	160.7	172.5	0.0046838	mg/L
2 K 766.514	1985.0	2130.5	-0.0129970	mg/L
2 Li 670.781	201.4	216.1	-0.0021948	mg/L
2 Mg 279.074	-7.0	-7.5	-0.0118546	mg/L
2 Mn 257.610	-216.4	-232.2	-0.0016352	mg/L
2 Mo 202.031	1.3	1.4	-0.0106472	mg/L
2 Na 589.594	2887.2	3098.9	-0.0236514	mg/L
2 Ni 231.603	90.3	97.0	0.0087996	mg/L
2 Pb 220.353	2.0	2.1	0.0211426	mg/L
2 Sb 206.831	6.6	7.1	-0.0154027	mg/L
2 Se 196.026	76.8	82.5	0.0482582	mg/L
2 Si 251.611	1350.1	1449.1	0.0095368	mg/L
2 Sn 189.933	-3.1	-3.4	-0.0261659	mg/L
2 Sr 407.771	588.9	632.1	-0.0018907	mg/L
2 Ti 334.941	1760.4	1889.5	0.0017330	mg/L
2 Tl 190.800	24.7	26.5	0.0678380	mg/L
2 V 292.402	-291.9	-313.3	0.0007571	mg/L
2 Zn 206.200	1.9	2.0	0.0002550	mg/L

Mean Data

ID: 0B03018-CCB Seq. No.: 34 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: 2/3/10 11:20:55 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Sc 357.253	389691.5	93.7	0.69	mg/L				0.73%
Y 360.064	236044.5	93.7	0.70	mg/L				0.75%
Ag 328.068	-55.9	-0.0004062	0.00554701	mg/L				>999.9%
Al 396.140	-57.9	-0.0051575	0.00292797	mg/L				56.77%
As 188.979	9.1	0.0259892	0.01126357	mg/L				43.34%
B 249.773	157.9	0.0033974	0.00095810	mg/L				28.20%
Ba 455.403	8618.1	-0.0011034	0.00005666	mg/L				5.14%
Be 234.861	108.0	0.0001221	0.00011511	mg/L				94.30%
Ca 315.887	-390.3	-0.0192901	0.00053736	mg/L				2.79%
Cd 214.438	47.9	-0.0003189	0.00061941	mg/L				194.22%
Ce 413.765	-169.7	0.0137488	0.02540718	mg/L				184.79%
Co 228.616	-7.7	0.0006453	0.00101415	mg/L				157.15%
Cr 205.560	65.0	0.0111527	0.00733240	mg/L				65.75%
*QC exceeds upper limit for Cr 205.560 Action = Continue								
Cu 327.394	-100.5	-0.0089629	0.00362422	mg/L				40.44%
Fe 238.204	170.4	0.0044471	0.00033480	mg/L				7.53%
K 766.514	2192.4	0.0064563	0.02751111	mg/L				426.11%
Li 670.781	294.6	-0.0016984	0.00070202	mg/L				41.33%
Mg 279.074	8.0	0.0006701	0.01771273	mg/L				>999.9%
Mn 257.610	-222.7	-0.0015061	0.00018253	mg/L				12.12%
Mo 202.031	2.7	-0.0087491	0.00268430	mg/L				30.68%
Na 589.594	3141.9	-0.0207408	0.00411630	mg/L				19.85%
Ni 231.603	99.7	0.0104004	0.00226389	mg/L				21.77%
Pb 220.353	-1.0	0.0094129	0.01658834	mg/L				176.23%
Sb 206.831	8.0	-0.0105909	0.00680496	mg/L				64.25%
Se 196.026	80.5	0.0333707	0.02105411	mg/L				63.09%
Si 251.611	1462.4	0.0122700	0.00386541	mg/L				31.50%
Sn 189.933	-3.3	-0.0257893	0.00053249	mg/L				2.06%
Sr 407.771	645.7	-0.0018808	0.00001406	mg/L				0.75%

Ti 334.941	1904.4	0.0018974	0.00023254	mg/L	12.26%
Tl 190.800	25.1	0.0588300	0.01273932	mg/L	21.65%
V 292.402	-306.4	0.0012168	0.00065022	mg/L	53.44%
Zn 206.200	-3.7	-0.0023989	0.00375319	mg/L	156.45%

Calibration Summary
Method: SOIL_6010C_101 Date: 2/3/10 12:20:07 PM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
Ag 328.068	4	Linear	-45.8	24896.0	0.00000	0.999979
Al 396.140	4	Linear	-19.4	7447.8	0.00000	0.999947
As 188.979	4	Linear	4.6	171.1	0.00000	0.999922
B 249.773	3	Linear	123.2	10218.4	0.00000	0.999960
Ba 455.403	4	Linear	9294.4	612915.3	0.00000	0.999991
Be 234.861	4	Linear	97.2	88067.8	0.00000	0.999999
Ca 315.887	4	Linear	-200.2	9852.6	0.00000	0.999995
Cd 214.438	4	Linear	50.0	6433.8	0.00000	0.999996
Ce 413.765	1	Linear	-260.7	6619.0	0.00000	1.000000
Co 228.616	4	Linear	-9.8	3236.5	0.00000	0.999991
Cr 205.560	4	Linear	52.7	1096.2	0.00000	0.999965
Cu 327.394	4	Linear	26.8	14195.4	0.00000	0.999929
Fe 238.204	4	Linear	131.2	8812.5	0.00000	0.999983
K 766.514	4	Linear	2171.9	3180.2	0.00000	0.999984
Li 670.781	4	Linear	563.3	158181.6	0.00000	0.999992
Mg 279.074	4	Linear	7.1	1232.4	0.00000	0.999981
Mn 257.610	4	Linear	-111.7	73682.0	0.00000	0.999993
Mo 202.031	3	Linear	8.4	654.3	0.00000	0.999996
Na 589.594	4	Linear	3448.4	14774.6	0.00000	0.999990
Ni 231.603	4	Linear	82.2	1678.3	0.00000	0.999983
Pb 220.353	4	Linear	-3.5	263.8	0.00000	0.999767
Sb 206.831	4	Linear	10.0	194.1	0.00000	0.999971
Se 196.026	4	Linear	76.1	131.5	0.00000	0.999963
Si 251.611	4	Linear	1402.6	4873.6	0.00000	0.999952
Sn 189.933	4	Linear	-0.8	97.7	0.00000	0.999970
Sr 407.771	4	Linear	3219.1	1368227.8	0.00000	0.999991
Ti 334.941	3	Linear	1732.0	90876.6	0.00000	1.000000
Tl 190.800	4	Linear	15.7	159.8	0.00000	0.999946
V 292.402	4	Linear	-324.7	15081.9	0.00000	0.999994
Zn 206.200	4	Linear	1.5	2143.2	0.00000	0.999976

Method: SOIL_6010C_101 IEC: IEC-35.IEC MSF:
Results: 0B03018 Spectra Stored: Yes Method Stored: Yes
Sample Info: 0b03018 User: User1 Date: 2/3/10 12:20:07 PM
Method Description: Solid 6010C

Replicate Data
ID: 1001382-03 Date: 2/3/10 12:21:43 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	396847.2	396847.2	95.4	mg/L		
1	Y 360.064	240480.6	240480.6	95.5	mg/L		
1	Ag 328.068	-102.4	-107.4	-0.0024752	mg/L	-0.0247519	mg/L
1	Al 396.140	47486.3	49789.1	6.68770	mg/L	66.8770	mg/L
1	As 188.979	11.5	12.1	0.0436660	mg/L	0.436660	mg/L
1	B 249.773	1763.9	1849.4	0.0084534	mg/L	0.0845342	mg/L
1	Ba 455.403	167929.5	176072.9	0.272107	mg/L	2.72107	mg/L
1	Be 234.861	643.4	674.6	-0.0007839	mg/L	-0.0078394	mg/L
1	Ca 315.887	625869.8	656220.2	66.6312	mg/L	666.312	mg/L
1	Cd 214.438	111.7	117.1	0.0104380	mg/L	0.104380	mg/L
1	Ce 413.765	-154.2	-161.6	0.0149696	mg/L	0.149696	mg/L
1	Co 228.616	71.9	75.4	0.0028404	mg/L	0.0284042	mg/L
1	Cr 205.560	153.8	161.2	0.0989634	mg/L	0.989634	mg/L
1	Cu 327.394	4649.2	4874.6	0.341510	mg/L	3.41510	mg/L
1	Fe 238.204	499094.1	523296.8	59.3659	mg/L	593.659	mg/L
1	K 766.514	3734.2	3915.3	0.564103	mg/L	5.64103	mg/L
1	Li 670.781	1434.6	1504.2	0.0059483	mg/L	0.0594829	mg/L
1	Mg 279.074	10624.5	11139.7	9.00048	mg/L	90.0048	mg/L
1	Mn 257.610	48295.6	50637.6	0.688761	mg/L	6.88761	mg/L
1	Mo 202.031	2.3	2.4	-0.0091176	mg/L	-0.0911765	mg/L
1	Na 589.594	5376.7	5637.4	0.155894	mg/L	1.55894	mg/L
1	Ni 231.603	153.0	160.4	0.0466197	mg/L	0.466197	mg/L

1	Pb 220.353	539.2	565.3	2.15630 mg/L	21.5630 mg/L
1	Sb 206.831	26.8	28.1	0.147694 mg/L	1.47694 mg/L
1	Se 196.026	74.9	78.6	0.0186447 mg/L	0.186447 mg/L
1	Si 251.611	2726.1	2858.3	0.298701 mg/L	2.98701 mg/L
1	Sn 189.933	12.4	13.0	0.141864 mg/L	1.41864 mg/L
1	Sr 407.771	115039.3	120617.9	0.0858036 mg/L	0.858036 mg/L
1	Ti 334.941	25059.7	26274.9	0.270069 mg/L	2.70069 mg/L
1	Tl 190.800	7.9	8.3	-0.0461164 mg/L	-0.461164 mg/L
1	V 292.402	84.3	88.4	0.0273932 mg/L	0.273932 mg/L
1	Zn 206.200	1213.9	1272.7	0.593163 mg/L	5.93163 mg/L
2	Sc 357.253	395583.7	395583.7	95.1 mg/L	
2	Y 360.064	239698.0	239698.0	95.2 mg/L	
2	Ag 328.068	-52.2	-54.9	-0.0003667 mg/L	-0.0036669 mg/L
2	Al 396.140	47539.8	50004.4	6.71661 mg/L	67.1661 mg/L
2	As 188.979	7.4	7.8	0.0188375 mg/L	0.188375 mg/L
2	B 249.773	1740.9	1831.2	0.0058420 mg/L	0.0584198 mg/L
2	Ba 455.403	168188.0	176907.2	0.273468 mg/L	2.73468 mg/L
2	Be 234.861	668.5	703.1	-0.0004980 mg/L	-0.0049798 mg/L
2	Ca 315.887	626950.6	659453.1	66.9594 mg/L	669.594 mg/L
2	Cd 214.438	99.2	104.3	0.0084394 mg/L	0.0843941 mg/L
2	Ce 413.765	-26.9	-28.3	0.0351175 mg/L	0.351175 mg/L
2	Co 228.616	85.0	89.4	0.0070505 mg/L	0.0705052 mg/L
2	Cr 205.560	151.3	159.2	0.0971108 mg/L	0.971108 mg/L
2	Cu 327.394	4657.9	4899.4	0.343254 mg/L	3.43254 mg/L
2	Fe 238.204	500055.0	525978.9	59.6703 mg/L	596.703 mg/L
2	K 766.514	3617.4	3805.0	0.529502 mg/L	5.29502 mg/L
2	Li 670.781	1388.4	1460.4	0.0056710 mg/L	0.0567104 mg/L
2	Mg 279.074	10685.5	11239.5	9.08125 mg/L	90.8125 mg/L
2	Mn 257.610	48479.9	50993.2	0.693588 mg/L	6.93588 mg/L
2	Mo 202.031	-4.8	-5.1	-0.0206023 mg/L	-0.206023 mg/L
2	Na 589.594	5569.1	5857.8	0.170852 mg/L	1.70852 mg/L
2	Ni 231.603	148.3	156.0	0.0439887 mg/L	0.439887 mg/L
2	Pb 220.353	540.5	568.5	2.16817 mg/L	21.6817 mg/L
2	Sb 206.831	13.7	14.4	0.0770478 mg/L	0.770478 mg/L
2	Se 196.026	77.7	81.7	0.0424943 mg/L	0.424943 mg/L
2	Si 251.611	2737.2	2879.1	0.302962 mg/L	3.02962 mg/L
2	Sn 189.933	11.7	12.3	0.133990 mg/L	1.33990 mg/L
2	Sr 407.771	115301.4	121278.9	0.0862867 mg/L	0.862867 mg/L
2	Ti 334.941	24715.3	25996.6	0.267006 mg/L	2.67006 mg/L
2	Tl 190.800	18.9	19.9	0.0262532 mg/L	0.262532 mg/L
2	V 292.402	111.7	117.5	0.0293193 mg/L	0.293193 mg/L
2	Zn 206.200	1224.6	1288.1	0.600344 mg/L	6.00344 mg/L

Mean Data

ID: 1001382-03 Seq. No.: 1 Sample No.: 1 A/S Pos: 32
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 10.0
Data: Original Date: 2/3/10 12:21:43 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	396215.5	95.2	0.21	mg/L				0.23%
Y 360.064	240089.3	95.3	0.22	mg/L				0.23%
Ag 328.068	-81.1	-0.0014209	0.00149094	mg/L	-0.0142094	0.01490940	mg/L	104.93%
Al 396.140	49896.7	6.70215	0.020445	mg/L	67.0215	0.20445	mg/L	0.31%
As 188.979	10.0	0.0312518	0.01755643	mg/L	0.312518	0.1755643	mg/L	56.18%
B 249.773	1840.3	0.0071477	0.00184657	mg/L	0.0714770	0.01846567	mg/L	25.83%
Ba 455.403	176490.1	0.272788	0.0009625	mg/L	2.72788	0.009625	mg/L	0.35%
Be 234.861	688.9	-0.0006410	0.00020220	mg/L	-0.0064096	0.00202200	mg/L	31.55%
Ca 315.887	657836.7	66.7953	0.23205	mg/L	667.953	2.3205	mg/L	0.35%
Cd 214.438	110.7	0.0094387	0.00141323	mg/L	0.0943872	0.01413233	mg/L	14.97%
Ce 413.765	-95.0	0.0250435	0.01424675	mg/L	0.250435	0.1424675	mg/L	56.89%
Co 228.616	82.4	0.0049455	0.00297698	mg/L	0.0494547	0.02976985	mg/L	60.20%
Cr 205.560	160.2	0.0980371	0.00130998	mg/L	0.980371	0.0130998	mg/L	1.34%
Cu 327.394	4887.0	0.342382	0.0012333	mg/L	3.42382	0.012333	mg/L	0.36%
Fe 238.204	524637.9	59.5181	0.21521	mg/L	595.181	2.1521	mg/L	0.36%
K 766.514	3860.1	0.546802	0.0244666	mg/L	5.46802	0.244666	mg/L	4.47%
Li 670.781	1482.3	0.0058097	0.00019604	mg/L	0.0580966	0.00196044	mg/L	3.37%
Mg 279.074	11189.6	9.04086	0.057108	mg/L	90.4086	0.57108	mg/L	0.63%
Mn 257.610	50815.4	0.691175	0.0034131	mg/L	6.91175	0.034131	mg/L	0.49%
Mo 202.031	-1.3	-0.0148600	0.00812091	mg/L	-0.148600	0.0812091	mg/L	54.65%
Na 589.594	5747.6	0.163373	0.0105770	mg/L	1.63373	0.105770	mg/L	6.47%

Ni 231.603	158.2	0.0453042	0.00186044	mg/L	0.453042	0.0186044 mg/L	4.11%
Pb 220.353	566.9	2.16223	0.008398	mg/L	21.6223	0.08398 mg/L	0.39%
Sb 206.831	21.3	0.112371	0.0499547	mg/L	1.12371	0.499547 mg/L	44.46%
Se 196.026	80.1	0.0305695	0.01686425	mg/L	0.305695	0.1686425 mg/L	55.17%
Si 251.611	2868.7	0.300832	0.0030131	mg/L	3.00832	0.030131 mg/L	1.00%
Sn 189.933	12.7	0.137927	0.0055675	mg/L	1.37927	0.055675 mg/L	4.04%
Sr 407.771	120948.4	0.0860451	0.00034161	mg/L	0.860451	0.0034161 mg/L	0.40%
Ti 334.941	26135.7	0.268537	0.0021655	mg/L	2.68537	0.021655 mg/L	0.81%
Tl 190.800	14.1	-0.0099316	0.05117303	mg/L	-0.0993159	0.51173033 mg/L	515.26%
V 292.402	102.9	0.0283562	0.00136194	mg/L	0.283562	0.0136194 mg/L	4.80%
Zn 206.200	1280.4	0.596753	0.0050775	mg/L	5.96753	0.050775 mg/L	0.85%

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

ID: 1001382-04 Date: 2/3/10 12:25:04 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	396896.1	396896.1	95.4	mg/L		
1	Y 360.064	241128.1	241128.1	95.7	mg/L		
1	Ag 328.068	-35.6	-37.3	0.0003399	mg/L	0.0033987	mg/L
1	Al 396.140	52019.0	54534.8	7.32490	mg/L	73.2490	mg/L
1	As 188.979	5.5	5.7	0.0066610	mg/L	0.0666099	mg/L
1	B 249.773	545.8	572.2	0.0439431	mg/L	0.439431	mg/L
1	Ba 455.403	295140.0	309414.2	0.489660	mg/L	4.89660	mg/L
1	Be 234.861	291.8	305.9	0.0003794	mg/L	0.0037938	mg/L
1	Ca 315.887	584743.3	613023.9	62.2434	mg/L	622.434	mg/L
1	Cd 214.438	57.2	60.0	0.0015543	mg/L	0.0155425	mg/L
1	Ce 413.765	44.3	46.5	0.0464116	mg/L	0.464116	mg/L
1	Co 228.616	34.6	36.3	0.0142411	mg/L	0.142411	mg/L
1	Cr 205.560	99.8	104.6	0.0473212	mg/L	0.473212	mg/L
1	Cu 327.394	1532.5	1606.6	0.111293	mg/L	1.11293	mg/L
1	Fe 238.204	135428.9	141978.8	16.0961	mg/L	160.961	mg/L
1	K 766.514	3502.5	3671.9	0.478461	mg/L	4.78461	mg/L
1	Li 670.781	1712.6	1795.4	0.0077890	mg/L	0.0778900	mg/L
1	Mg 279.074	15707.9	16467.6	13.3525	mg/L	133.525	mg/L
1	Mn 257.610	29380.9	30801.9	0.419554	mg/L	4.19554	mg/L
1	Mo 202.031	-4.1	-4.3	-0.0194582	mg/L	-0.194582	mg/L
1	Na 589.594	5127.3	5375.2	0.135359	mg/L	1.35359	mg/L
1	Ni 231.603	101.2	106.1	0.0142135	mg/L	0.142135	mg/L
1	Pb 220.353	123.7	129.7	0.504839	mg/L	5.04839	mg/L
1	Sb 206.831	-2.6	-2.7	-0.0656373	mg/L	-0.656373	mg/L
1	Se 196.026	68.2	71.5	-0.0353594	mg/L	-0.353594	mg/L
1	Si 251.611	4193.0	4395.8	0.614166	mg/L	6.14166	mg/L
1	Sn 189.933	-12.0	-12.6	-0.120566	mg/L	-1.20566	mg/L
1	Sr 407.771	150419.8	157694.7	0.112902	mg/L	1.12902	mg/L
1	Ti 334.941	25531.0	26765.8	0.275471	mg/L	2.75471	mg/L
1	Tl 190.800	16.6	17.4	0.0109248	mg/L	0.109248	mg/L
1	V 292.402	23.4	24.6	0.0231609	mg/L	0.231609	mg/L
1	Zn 206.200	804.6	843.5	0.392902	mg/L	3.92902	mg/L
2	Sc 357.253	394958.4	394958.4	94.9	mg/L		
2	Y 360.064	239715.0	239715.0	95.2	mg/L		
2	Ag 328.068	1.8	1.9	0.0019147	mg/L	0.0191468	mg/L
2	Al 396.140	51948.2	54727.8	7.35081	mg/L	73.5081	mg/L
2	As 188.979	5.7	6.0	0.0080634	mg/L	0.0806340	mg/L
2	B 249.773	532.3	560.7	0.0428188	mg/L	0.428188	mg/L
2	Ba 455.403	295159.4	310952.6	0.492169	mg/L	4.92169	mg/L
2	Be 234.861	312.8	329.6	0.0006350	mg/L	0.0063504	mg/L
2	Ca 315.887	584778.5	616068.5	62.5525	mg/L	625.525	mg/L
2	Cd 214.438	63.6	67.0	0.0026364	mg/L	0.0263643	mg/L
2	Ce 413.765	97.5	102.8	0.0549151	mg/L	0.549151	mg/L
2	Co 228.616	32.5	34.2	0.0136006	mg/L	0.136006	mg/L
2	Cr 205.560	96.8	102.0	0.0449342	mg/L	0.449342	mg/L
2	Cu 327.394	1515.1	1596.1	0.110553	mg/L	1.10553	mg/L
2	Fe 238.204	135641.6	142899.4	16.2005	mg/L	162.005	mg/L
2	K 766.514	3507.5	3695.2	0.485842	mg/L	4.85842	mg/L
2	Li 670.781	1658.2	1746.9	0.0074828	mg/L	0.0748281	mg/L
2	Mg 279.074	15811.3	16657.4	13.5064	mg/L	135.064	mg/L
2	Mn 257.610	29612.8	31197.3	0.424921	mg/L	4.24921	mg/L
2	Mo 202.031	5.0	5.3	-0.0047466	mg/L	-0.0474658	mg/L
2	Na 589.594	4979.9	5246.4	0.126669	mg/L	1.26669	mg/L

2 Ni 231.603	113.4	119.4	0.0221949 mg/L	0.221949 mg/L
2 Pb 220.353	117.2	123.5	0.481290 mg/L	4.81290 mg/L
2 Sb 206.831	-0.8	-0.9	-0.0563278 mg/L	-0.563278 mg/L
2 Se 196.026	73.1	77.0	0.0063484 mg/L	0.0634841 mg/L
2 Si 251.611	4194.4	4418.8	0.618889 mg/L	6.18889 mg/L
2 Sn 189.933	-11.9	-12.6	-0.120508 mg/L	-1.20508 mg/L
2 Sr 407.771	150589.7	158647.4	0.113598 mg/L	1.13598 mg/L
2 Ti 334.941	25683.2	27057.5	0.278680 mg/L	2.78680 mg/L
2 Tl 190.800	13.0	13.7	-0.0125993 mg/L	-0.125993 mg/L
2 V 292.402	10.9	11.5	0.0222914 mg/L	0.222914 mg/L
2 Zn 206.200	813.5	857.0	0.399177 mg/L	3.99177 mg/L

Mean Data

ID: 1001382-04 Seq. No.: 2 Sample No.: 2 A/S Pos: 33
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 10.0
Data: Original Date: 2/3/10 12:25:04 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	395927.2	95.2	0.33	mg/L				0.35%
Y 360.064	240421.6	95.5	0.40	mg/L				0.42%
Ag 328.068	-17.7	0.0011273	0.00111356	mg/L	0.0112728	0.01113558	mg/L	98.78%
Al 396.140	54631.3	7.33786	0.018324	mg/L	73.3786	0.18324	mg/L	0.25%
As 188.979	5.9	0.0073622	0.00099165	mg/L	0.0736219	0.00991653	mg/L	13.47%
B 249.773	566.5	0.0433809	0.00079494	mg/L	0.433809	0.0079494	mg/L	1.83%
Ba 455.403	310183.4	0.490914	0.0017748	mg/L	4.90914	0.017748	mg/L	0.36%
Be 234.861	317.7	0.0005072	0.00018078	mg/L	0.0050721	0.00180778	mg/L	35.64%
Ca 315.887	614546.2	62.3980	0.21853	mg/L	623.980	2.1853	mg/L	0.35%
Cd 214.438	63.5	0.0020953	0.0007652	mg/L	0.0209534	0.00765219	mg/L	36.52%
Ce 413.765	74.6	0.0506633	0.00601291	mg/L	0.506633	0.0601291	mg/L	11.87%
Co 228.616	35.3	0.0139208	0.00045290	mg/L	0.139208	0.0045290	mg/L	3.25%
Cr 205.560	103.3	0.0461277	0.00168786	mg/L	0.461277	0.0168786	mg/L	3.66%
Cu 327.394	1601.4	0.110923	0.0005235	mg/L	1.10923	0.005235	mg/L	0.47%
Fe 238.204	142439.1	16.1483	0.07387	mg/L	161.483	0.7387	mg/L	0.46%
K 766.514	3683.5	0.482151	0.0052190	mg/L	4.82151	0.052190	mg/L	1.08%
Li 670.781	1771.2	0.0076359	0.00021651	mg/L	0.0763591	0.00216511	mg/L	2.84%
Mg 279.074	16562.5	13.4294	0.10885	mg/L	134.294	1.0885	mg/L	0.81%
Mn 257.610	30999.6	0.422237	0.0037949	mg/L	4.22237	0.037949	mg/L	0.90%
Mo 202.031	0.5	-0.0121024	0.01040270	mg/L	-0.121024	0.1040270	mg/L	85.96%
Na 589.594	5310.8	0.131014	0.0061452	mg/L	1.31014	0.061452	mg/L	4.69%
Ni 231.603	112.7	0.0182042	0.00564372	mg/L	0.182042	0.0564372	mg/L	31.00%
Pb 220.353	126.6	0.493064	0.0166515	mg/L	4.93064	0.166515	mg/L	3.38%
Sb 206.831	-1.8	-0.0609826	0.00658285	mg/L	-0.609826	0.0658285	mg/L	10.79%
Se 196.026	74.2	-0.0145055	0.02949185	mg/L	-0.145055	0.2949185	mg/L	203.32%
Si 251.611	4407.3	0.616527	0.0033398	mg/L	6.16527	0.033398	mg/L	0.54%
Sn 189.933	-12.6	-0.120537	0.0000410	mg/L	-1.20537	0.000410	mg/L	0.03%
Sr 407.771	158171.1	0.113250	0.0004923	mg/L	1.13250	0.004923	mg/L	0.43%
Ti 334.941	26911.6	0.277075	0.0022692	mg/L	2.77075	0.022692	mg/L	0.82%
Tl 190.800	15.5	-0.0008372	0.01663402	mg/L	-0.0083724	0.16634020	mg/L	>999.9%
V 292.402	18.0	0.0227262	0.00061481	mg/L	0.227262	0.0061481	mg/L	2.71%
Zn 206.200	850.3	0.396039	0.0044370	mg/L	3.96039	0.044370	mg/L	1.12%

Replicate Data

ID: 1001382-05 Date: 2/3/10 12:28:25 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	391857.2	391857.2	94.2	mg/L		
1	Y 360.064	237775.4	237775.4	94.4	mg/L		
1	Ag 328.068	-3.5	-3.7	0.0016904	mg/L	0.0169040	mg/L
1	Al 396.140	35743.6	37954.2	5.09865	mg/L	50.9865	mg/L
1	As 188.979	15.0	15.9	0.0661028	mg/L	0.661028	mg/L
1	B 249.773	830.7	882.1	-0.0009116	mg/L	-0.0091161	mg/L
1	Ba 455.403	696478.5	739552.2	1.19145	mg/L	11.9145	mg/L
1	Be 234.861	396.0	420.4	0.0002317	mg/L	0.0023166	mg/L
1	Ca 315.887	465560.4	494352.9	50.2000	mg/L	502.000	mg/L
1	Cd 214.438	75.5	80.2	0.0046945	mg/L	0.0469453	mg/L
1	Ce 413.765	-52.4	-55.6	0.0309835	mg/L	0.309835	mg/L
1	Co 228.616	35.7	37.9	0.0037361	mg/L	0.0373614	mg/L
1	Cr 205.560	75.6	80.3	0.0251799	mg/L	0.251799	mg/L
1	Cu 327.394	5969.4	6338.5	0.444634	mg/L	4.44634	mg/L

1 Fe 238.204	230927.3	245209.0	27.8101 mg/L	278.101 mg/L	
1 K 766.514	3278.9	3481.7	0.420946 mg/L	4.20946 mg/L	
1 Li 670.781	1584.5	1682.4	0.0070750 mg/L	0.0707504 mg/L	
1 Mg 279.074	20678.9	21957.8	17.7985 mg/L	177.985 mg/L	
1 Mn 257.610	28736.5	30513.7	0.415643 mg/L	4.15643 mg/L	
1 Mo 202.031	2.1	2.2	-0.0094101 mg/L	-0.0941012 mg/L	
1 Na 589.594	4258.6	4521.9	0.0781275 mg/L	0.781275 mg/L	
1 Ni 231.603	107.1	113.7	0.0187623 mg/L	0.187623 mg/L	
1 Pb 220.353	177.9	188.9	0.729124 mg/L	7.29124 mg/L	
1 Sb 206.831	-2.3	-2.4	-0.0642237 mg/L	-0.642237 mg/L	
1 Se 196.026	68.8	73.0	-0.0235092 mg/L	-0.235092 mg/L	
1 Si 251.611	3096.8	3288.3	0.386920 mg/L	3.86920 mg/L	
1 Sn 189.933	-10.5	-11.1	-0.105679 mg/L	-1.05679 mg/L	
1 Sr 407.771	89691.1	95238.0	0.0672541 mg/L	0.672541 mg/L	
1 Ti 334.941	17426.8	18504.5	0.184564 mg/L	1.84564 mg/L	
1 Tl 190.800	21.5	22.8	0.0447039 mg/L	0.447039 mg/L	
1 V 292.402	-14.1	-15.0	0.0205361 mg/L	0.205361 mg/L	
1 Zn 206.200	3133.5	3327.3	1.55181 mg/L	15.5181 mg/L	
2 Sc 357.253	393946.6	393946.6	94.7 mg/L		
2 Y 360.064	238591.2	238591.2	94.7 mg/L		
2 Ag 328.068	-84.5	-89.3	-0.0017478 mg/L	-0.0174778 mg/L	
2 Al 396.140	35998.2	38021.7	5.10772 mg/L	51.0772 mg/L	
2 As 188.979	5.2	5.5	0.0050468 mg/L	0.0504678 mg/L	
2 B 249.773	807.0	852.4	-0.0042320 mg/L	-0.0423202 mg/L	
2 Ba 455.403	702899.2	742411.5	1.19611 mg/L	11.9611 mg/L	
2 Be 234.861	381.9	403.4	0.0000191 mg/L	0.0001910 mg/L	
2 Ca 315.887	470406.5	496849.6	50.4534 mg/L	504.534 mg/L	
2 Cd 214.438	73.5	77.6	0.0042921 mg/L	0.0429210 mg/L	
2 Ce 413.765	21.5	22.7	0.0428236 mg/L	0.428236 mg/L	
2 Co 228.616	36.5	38.6	0.0038808 mg/L	0.0388084 mg/L	
2 Cr 205.560	78.4	82.8	0.0274143 mg/L	0.274143 mg/L	
2 Cu 327.394	6046.9	6386.8	0.448032 mg/L	4.48032 mg/L	
2 Fe 238.204	233448.5	246571.4	27.9647 mg/L	279.647 mg/L	
2 K 766.514	3161.5	3339.2	0.376211 mg/L	3.76211 mg/L	
2 Li 670.781	1499.9	1584.2	0.0064540 mg/L	0.0645404 mg/L	
2 Mg 279.074	20934.3	22111.1	17.9228 mg/L	179.228 mg/L	
2 Mn 257.610	29015.9	30647.0	0.417452 mg/L	4.17452 mg/L	
2 Mo 202.031	13.4	14.2	0.0088705 mg/L	0.0887053 mg/L	
2 Na 589.594	4140.4	4373.1	0.0680877 mg/L	0.680877 mg/L	
2 Ni 231.603	104.6	110.5	0.0168596 mg/L	0.168596 mg/L	
2 Pb 220.353	181.4	191.6	0.739404 mg/L	7.39404 mg/L	
2 Sb 206.831	-1.8	-1.9	-0.0615663 mg/L	-0.615663 mg/L	
2 Se 196.026	59.9	63.3	-0.0974525 mg/L	-0.974525 mg/L	
2 Si 251.611	3108.0	3282.7	0.385767 mg/L	3.85767 mg/L	
2 Sn 189.933	-13.7	-14.5	-0.139858 mg/L	-1.39858 mg/L	
2 Sr 407.771	90582.4	95674.3	0.0675730 mg/L	0.675730 mg/L	
2 Ti 334.941	17553.3	18540.1	0.184955 mg/L	1.84955 mg/L	
2 Tl 190.800	11.4	12.0	-0.0229364 mg/L	-0.229364 mg/L	
2 V 292.402	-43.0	-45.4	0.0185196 mg/L	0.185196 mg/L	
2 Zn 206.200	3158.4	3336.0	1.55587 mg/L	15.5587 mg/L	

Mean Data

ID: 1001382-05 Seq. No.: 3 Sample No.: 3 A/S Pos: 34
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 10.0
Data: Original Date: 2/3/10 12:28:25 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	392901.9	94.4	0.36	mg/L				0.38%
Y 360.064	238183.3	94.6	0.23	mg/L				0.24%
Ag 328.068	-46.5	-0.0000287	0.00243116	mg/L	-0.0002869	0.02431160	mg/L	>999.9%
Al 396.140	37988.0	5.10318	0.006415	mg/L	51.0318	0.06415	mg/L	0.13%
As 188.979	10.7	0.0355748	0.04317311	mg/L	0.355748	0.4317311	mg/L	121.36%
B 249.773	867.2	-0.0025718	0.00234788	mg/L	-0.0257182	0.02347884	mg/L	91.29%
Ba 455.403	740981.9	1.19378	0.003299	mg/L	11.9378	0.03299	mg/L	0.28%
Be 234.861	411.9	0.0001254	0.00015031	mg/L	0.0012538	0.00150306	mg/L	119.88%
Ca 315.887	495601.3	50.3267	0.17921	mg/L	503.267	1.7921	mg/L	0.36%
Cd 214.438	78.9	0.0044933	0.00028456	mg/L	0.0449332	0.00284561	mg/L	6.33%
Ce 413.765	-16.5	0.0369035	0.00837225	mg/L	0.369035	0.0837225	mg/L	22.69%
Co 228.616	38.2	0.0038085	0.00010232	mg/L	0.0380849	0.00102323	mg/L	2.69%
Cr 205.560	81.6	0.0262971	0.00157998	mg/L	0.262971	0.0157998	mg/L	6.01%

Cu 327.394	6362.7	0.446333	0.0024028 mg/L	4.46333	0.024028 mg/L	0.54%
Fe 238.204	245890.2	27.8874	0.10932 mg/L	278.874	1.0932 mg/L	0.39%
K 766.514	3410.5	0.398579	0.0316327 mg/L	3.98579	0.316327 mg/L	7.94%
Li 670.781	1633.3	0.0067645	0.00043911 mg/L	0.0676454	0.00439114 mg/L	6.49%
Mg 279.074	22034.5	17.8606	0.08792 mg/L	178.606	0.8792 mg/L	0.49%
Mn 257.610	30580.3	0.416547	0.0012788 mg/L	4.16547	0.012788 mg/L	0.31%
Mo 202.031	8.2	-0.0002698	0.01292637 mg/L	-0.0026980	0.12926372 mg/L	>999.9%
Na 589.594	4447.5	0.0731076	0.00709923 mg/L	0.731076	0.0709923 mg/L	9.71%
Ni 231.603	112.1	0.0178109	0.00134541 mg/L	0.178109	0.0134541 mg/L	7.55%
Pb 220.353	190.2	0.734264	0.0072690 mg/L	7.34264	0.072690 mg/L	0.99%
Sb 206.831	-2.2	-0.0628950	0.00187911 mg/L	-0.628950	0.0187911 mg/L	2.99%
Se 196.026	68.2	-0.0604808	0.05228581 mg/L	-0.604808	0.5228581 mg/L	86.45%
Si 251.611	3285.5	0.386344	0.0008153 mg/L	3.86344	0.008153 mg/L	0.21%
Sn 189.933	-12.8	-0.122768	0.0241687 mg/L	-1.22768	0.241687 mg/L	19.69%
Sr 407.771	95456.2	0.0674135	0.00022548 mg/L	0.674135	0.0022548 mg/L	0.33%
Ti 334.941	18522.3	0.184759	0.0002766 mg/L	1.84759	0.002766 mg/L	0.15%
Tl 190.800	17.4	0.0108838	0.04782890 mg/L	0.108838	0.4782890 mg/L	439.45%
V 292.402	-30.2	0.0195278	0.00142588 mg/L	0.195278	0.0142588 mg/L	7.30%
Zn 206.200	3331.6	1.55384	0.002874 mg/L	15.5384	0.02874 mg/L	0.18%

Replicate Data

ID: 1001382-06 Date: 2/3/10 12:31:40 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	388762.6	388762.6	93.4	mg/L		
1	Y 360.064	236230.8	236230.8	93.8	mg/L		
1	Ag 328.068	29.7	31.8	0.0031162	mg/L	0.623238	mg/L
1	Al 396.140	1570.3	1680.7	0.228279	mg/L	45.6558	mg/L
1	As 188.979	3.7	3.9	-0.0039799	mg/L	-0.795971	mg/L
1	B 249.773	108.0	115.6	-0.0007410	mg/L	-0.148202	mg/L
1	Ba 455.403	11825.2	12656.4	0.0054853	mg/L	1.09705	mg/L
1	Be 234.861	105.6	113.0	0.0001790	mg/L	0.0358018	mg/L
1	Ca 315.887	12667.6	13558.1	1.39641	mg/L	279.283	mg/L
1	Cd 214.438	39.7	42.5	-0.0011609	mg/L	-0.232184	mg/L
1	Ce 413.765	-123.0	-131.6	0.0195084	mg/L	3.90169	mg/L
1	Co 228.616	-4.5	-4.8	0.0015529	mg/L	0.310576	mg/L
1	Cr 205.560	56.0	59.9	0.0065869	mg/L	1.31738	mg/L
1	Cu 327.394	-54.8	-58.6	-0.0060147	mg/L	-1.20294	mg/L
1	Fe 238.204	5591.3	5984.4	0.664185	mg/L	132.837	mg/L
1	K 766.514	2094.1	2241.3	0.0219714	mg/L	4.39427	mg/L
1	Li 670.781	314.4	336.5	-0.0014335	mg/L	-0.286700	mg/L
1	Mg 279.074	520.8	557.4	0.446513	mg/L	89.3026	mg/L
1	Mn 257.610	982.8	1051.9	0.0157928	mg/L	3.15855	mg/L
1	Mo 202.031	0.7	0.8	-0.0116176	mg/L	-2.32351	mg/L
1	Na 589.594	2755.7	2949.5	-0.0337683	mg/L	-6.75366	mg/L
1	Ni 231.603	90.2	96.5	0.0085373	mg/L	1.70745	mg/L
1	Pb 220.353	-3.2	-3.4	0.0003314	mg/L	0.0662796	mg/L
1	Sb 206.831	8.8	9.4	-0.0032082	mg/L	-0.641637	mg/L
1	Se 196.026	71.2	76.2	0.0008544	mg/L	0.170878	mg/L
1	Si 251.611	1296.8	1388.0	-0.0030035	mg/L	-0.600691	mg/L
1	Sn 189.933	-2.3	-2.5	-0.0172744	mg/L	-3.45487	mg/L
1	Sr 407.771	2735.9	2928.2	-0.0002126	mg/L	-0.0425129	mg/L
1	Ti 334.941	2520.8	2698.0	0.0106299	mg/L	2.12597	mg/L
1	Tl 190.800	17.6	18.8	0.0198614	mg/L	3.97228	mg/L
1	V 292.402	-314.5	-336.7	-0.0007905	mg/L	-0.158102	mg/L
1	Zn 206.200	23.5	25.2	0.0110505	mg/L	2.21009	mg/L
2	Sc 357.253	389980.8	389980.8	93.7	mg/L		
2	Y 360.064	236979.9	236979.9	94.1	mg/L		
2	Ag 328.068	21.2	22.7	0.0027486	mg/L	0.549711	mg/L
2	Al 396.140	1416.5	1511.3	0.205535	mg/L	41.1070	mg/L
2	As 188.979	0.7	0.8	-0.0222379	mg/L	-4.44757	mg/L
2	B 249.773	126.4	134.9	0.0011466	mg/L	0.229315	mg/L
2	Ba 455.403	11979.1	12781.2	0.0056888	mg/L	1.13776	mg/L
2	Be 234.861	101.6	108.4	0.0001267	mg/L	0.0253483	mg/L
2	Ca 315.887	12787.6	13643.8	1.40511	mg/L	281.022	mg/L
2	Cd 214.438	39.6	42.2	-0.0012083	mg/L	-0.241658	mg/L
2	Ce 413.765	-266.6	-284.4	-0.0035778	mg/L	-0.715568	mg/L
2	Co 228.616	-10.2	-10.9	-0.0003360	mg/L	-0.0671996	mg/L
2	Cr 205.560	53.0	56.5	0.0034762	mg/L	0.695244	mg/L

2	Cu 327.394	-13.0	-13.8	-0.0028603 mg/L	-0.572053 mg/L
2	Fe 238.204	5720.5	6103.5	0.677700 mg/L	135.540 mg/L
2	K 766.514	2129.9	2272.5	0.0317749 mg/L	6.35498 mg/L
2	Li 670.781	456.4	487.0	-0.0004827 mg/L	-0.0965304 mg/L
2	Mg 279.074	488.3	521.0	0.416976 mg/L	83.3953 mg/L
2	Mn 257.610	1027.4	1096.2	0.0163941 mg/L	3.27881 mg/L
2	Mo 202.031	3.6	3.8	-0.0069913 mg/L	-1.39827 mg/L
2	Na 589.594	2863.6	3055.3	-0.0266061 mg/L	-5.32121 mg/L
2	Ni 231.603	74.9	79.9	-0.0013636 mg/L	-0.272718 mg/L
2	Pb 220.353	-3.2	-3.4	0.0000862 mg/L	0.0172311 mg/L
2	Sb 206.831	5.9	6.3	-0.0195048 mg/L	-3.90096 mg/L
2	Se 196.026	74.7	79.7	0.0269700 mg/L	5.39400 mg/L
2	Si 251.611	1298.5	1385.4	-0.0035277 mg/L	-0.705536 mg/L
2	Sn 189.933	-2.6	-2.8	-0.0204734 mg/L	-4.09467 mg/L
2	Sr 407.771	2928.0	3124.1	-0.0000694 mg/L	-0.0138821 mg/L
2	Ti 334.941	2399.2	2559.9	0.0091097 mg/L	1.82194 mg/L
2	Tl 190.800	25.2	26.9	0.0705057 mg/L	14.1011 mg/L
2	V 292.402	-307.1	-327.7	-0.0001979 mg/L	-0.0395823 mg/L
2	Zn 206.200	18.0	19.2	0.0082778 mg/L	1.65557 mg/L

Mean Data

ID: 1001382-06 Seq. No.: 4 Sample No.: 4 A/S Pos: 35
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 2/3/10 12:31:40 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	389371.7	93.6	0.21	mg/L				0.22%
Y 360.064	236605.3	93.9	0.21	mg/L				0.22%
Ag 328.068	27.2	0.0029324	0.00025996	mg/L	0.586475	0.0519914	mg/L	8.87%
Al 396.140	1596.0	0.216907	0.0160826	mg/L	43.3814	3.21653	mg/L	7.41%
As 188.979	2.4	-0.0131089	0.01291036	mg/L	-2.62177	2.582073	mg/L	98.49%
B 249.773	125.3	0.0002028	0.00133473	mg/L	0.0405564	0.26694523	mg/L	658.21%
Ba 455.403	12718.8	0.0055870	0.00014391	mg/L	1.11740	0.028782	mg/L	2.58%
Be 234.861	110.7	0.0001529	0.00003696	mg/L	0.0305751	0.00739174	mg/L	24.18%
Ca 315.887	13601.0	1.40076	0.006149	mg/L	280.152	1.2297	mg/L	0.44%
Cd 214.438	42.4	-0.0011846	0.00003349	mg/L	-0.236921	0.0066988	mg/L	2.83%
Ce 413.765	-208.0	0.0079653	0.01632447	mg/L	1.59306	3.264894	mg/L	204.94%
Co 228.616	-7.8	0.0006084	0.00133564	mg/L	0.121688	0.2671274	mg/L	219.52%
Cr 205.560	58.2	0.0050316	0.00219960	mg/L	1.00631	0.439920	mg/L	43.72%
Cu 327.394	-36.2	-0.0044375	0.00223053	mg/L	-0.887498	0.4461060	mg/L	50.27%
Fe 238.204	6043.9	0.670943	0.0095566	mg/L	134.189	1.9113	mg/L	1.42%
K 766.514	2256.9	0.0268731	0.00693214	mg/L	5.37463	1.386428	mg/L	25.80%
Li 670.781	411.8	-0.0009581	0.00067235	mg/L	-0.191615	0.1344700	mg/L	70.18%
Mg 279.074	539.2	0.431745	0.0208856	mg/L	86.3490	4.17711	mg/L	4.84%
Mn 257.610	1074.0	0.0160934	0.00042517	mg/L	3.21868	0.085034	mg/L	2.64%
Mo 202.031	2.3	-0.0093044	0.00327123	mg/L	-1.86089	0.654246	mg/L	35.16%
Na 589.594	3002.4	-0.0301872	0.00506445	mg/L	-6.03743	1.012891	mg/L	16.78%
Ni 231.603	88.2	0.0035868	0.00700096	mg/L	0.717367	1.4001911	mg/L	195.18%
Pb 220.353	-3.4	0.0002088	0.00017341	mg/L	0.0417554	0.03468253	mg/L	83.06%
Sb 206.831	7.8	-0.0113565	0.01152344	mg/L	-2.27130	2.304687	mg/L	101.47%
Se 196.026	78.0	0.0139122	0.01846654	mg/L	2.78244	3.693307	mg/L	132.74%
Si 251.611	1386.7	-0.0032656	0.00037068	mg/L	-0.653114	0.0741364	mg/L	11.35%
Sn 189.933	-2.7	-0.0188739	0.00226204	mg/L	-3.77477	0.452408	mg/L	11.99%
Sr 407.771	3026.2	-0.0001410	0.00010123	mg/L	-0.0281975	0.02024503	mg/L	71.80%
Ti 334.941	2628.9	0.0098698	0.00107492	mg/L	1.97396	0.214985	mg/L	10.89%
Tl 190.800	22.9	0.0451836	0.03581093	mg/L	9.03671	7.162185	mg/L	79.26%
V 292.402	-332.2	-0.0004942	0.00041903	mg/L	-0.0988419	0.08380573	mg/L	84.79%
Zn 206.200	22.2	0.0096641	0.00196055	mg/L	1.93283	0.392110	mg/L	20.29%

Replicate Data

ID: 0B03018-SRD2 Date: 2/3/10 12:34:47 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	392243.7	392243.7	94.3	mg/L		
1	Y 360.064	238498.4	238498.4	94.7	mg/L		
1	Ag 328.068	14.6	15.4	0.0024590	mg/L	2.45898	mg/L
1	Al 396.140	437.2	463.8	0.0648827	mg/L	64.8827	mg/L
1	As 188.979	5.4	5.7	0.0064177	mg/L	6.41768	mg/L
1	B 249.773	88.8	94.2	-0.0028367	mg/L	-2.83672	mg/L

1 Ba 455.403	8753.2	9285.4	-0.0000148 mg/L	-0.0147836 mg/L	
1 Be 234.861	112.4	119.3	0.0002506 mg/L	0.250571 mg/L	
1 Ca 315.887	2404.9	2551.1	0.279249 mg/L	279.249 mg/L	
1 Cd 214.438	46.7	49.6	-0.0000666 mg/L	-0.0666490 mg/L	
1 Ce 413.765	-24.5	-26.0	0.0354597 mg/L	35.4597 mg/L	
1 Co 228.616	-13.3	-14.1	-0.0013320 mg/L	-1.33196 mg/L	
1 Cr 205.560	56.9	60.4	0.0069777 mg/L	6.97771 mg/L	
1 Cu 327.394	-69.1	-73.3	-0.0070493 mg/L	-7.04929 mg/L	
1 Fe 238.204	1196.1	1268.8	0.129091 mg/L	129.091 mg/L	
1 K 766.514	2018.9	2141.6	-0.0095084 mg/L	-9.50844 mg/L	
1 Li 670.781	311.2	330.1	-0.0014740 mg/L	-1.47403 mg/L	
1 Mg 279.074	45.5	48.3	0.0334075 mg/L	33.4075 mg/L	
1 Mn 257.610	15.3	16.2	0.0017363 mg/L	1.73632 mg/L	
1 Mo 202.031	0.0	0.0	-0.0127827 mg/L	-12.7827 mg/L	
1 Na 589.594	2722.9	2888.4	-0.0379002 mg/L	-37.9002 mg/L	
1 Ni 231.603	72.7	77.1	-0.0030215 mg/L	-3.02146 mg/L	
1 Pb 220.353	-7.7	-8.1	-0.0176132 mg/L	-17.6132 mg/L	
1 Sb 206.831	4.9	5.2	-0.0250522 mg/L	-25.0522 mg/L	
1 Se 196.026	72.5	76.9	0.0061401 mg/L	6.14008 mg/L	
1 Si 251.611	1220.3	1294.5	-0.0221852 mg/L	-22.1852 mg/L	
1 Sn 189.933	-2.0	-2.1	-0.0136416 mg/L	-13.6416 mg/L	
1 Sr 407.771	1091.3	1157.7	-0.0015066 mg/L	-1.50659 mg/L	
1 Ti 334.941	1846.7	1958.9	0.0024973 mg/L	2.49728 mg/L	
1 Tl 190.800	19.0	20.1	0.0280443 mg/L	28.0443 mg/L	
1 V 292.402	-232.3	-246.4	0.0051915 mg/L	5.19151 mg/L	
1 Zn 206.200	4.6	4.9	0.0016004 mg/L	1.60038 mg/L	
2 Sc 357.253	394486.3	394486.3	94.8 mg/L		
2 Y 360.064	239625.3	239625.3	95.1 mg/L		
2 Ag 328.068	-9.6	-10.1	0.0014310 mg/L	1.43103 mg/L	
2 Al 396.140	317.5	334.9	0.0475748 mg/L	47.5748 mg/L	
2 As 188.979	-0.6	-0.6	-0.0306619 mg/L	-30.6619 mg/L	
2 B 249.773	94.6	99.7	-0.0022967 mg/L	-2.29670 mg/L	
2 Ba 455.403	8854.5	9339.5	0.0000735 mg/L	0.0735004 mg/L	
2 Be 234.861	87.9	92.7	-0.0000515 mg/L	-0.0514602 mg/L	
2 Ca 315.887	2410.4	2542.4	0.278366 mg/L	278.366 mg/L	
2 Cd 214.438	51.6	54.5	0.0006959 mg/L	0.695907 mg/L	
2 Ce 413.765	-258.7	-272.8	-0.0018280 mg/L	-1.82802 mg/L	
2 Co 228.616	-10.6	-11.2	-0.0004301 mg/L	-0.430097 mg/L	
2 Cr 205.560	50.7	53.5	0.0006621 mg/L	0.662131 mg/L	
2 Cu 327.394	-20.9	-22.0	-0.0034368 mg/L	-3.43677 mg/L	
2 Fe 238.204	1209.7	1275.9	0.129897 mg/L	129.897 mg/L	
2 K 766.514	2067.2	2180.4	0.0026855 mg/L	2.68545 mg/L	
2 Li 670.781	524.9	553.7	-0.0000607 mg/L	-0.0607212 mg/L	
2 Mg 279.074	94.1	99.2	0.0747237 mg/L	74.7237 mg/L	
2 Mn 257.610	46.3	48.8	0.0021794 mg/L	2.17942 mg/L	
2 Mo 202.031	3.6	3.7	-0.0071048 mg/L	-7.10476 mg/L	
2 Na 589.594	2795.5	2948.6	-0.0338234 mg/L	-33.8234 mg/L	
2 Ni 231.603	87.4	92.2	0.0059538 mg/L	5.95381 mg/L	
2 Pb 220.353	-4.5	-4.7	-0.0046435 mg/L	-4.64348 mg/L	
2 Sb 206.831	2.3	2.4	-0.0393379 mg/L	-39.3379 mg/L	
2 Se 196.026	78.1	82.4	0.0475794 mg/L	47.5794 mg/L	
2 Si 251.611	1222.6	1289.5	-0.0232049 mg/L	-23.2049 mg/L	
2 Sn 189.933	1.0	1.0	0.0186131 mg/L	18.6131 mg/L	
2 Sr 407.771	1245.2	1313.4	-0.0013928 mg/L	-1.39280 mg/L	
2 Ti 334.941	1878.2	1981.0	0.0027402 mg/L	2.74015 mg/L	
2 Tl 190.800	14.0	14.8	-0.0055859 mg/L	-5.58585 mg/L	
2 V 292.402	-284.7	-300.3	0.0016172 mg/L	1.61720 mg/L	
2 Zn 206.200	13.9	14.7	0.0061537 mg/L	6.15368 mg/L	

Mean Data

ID: 0B03018-SRD2 Seq. No.: 5 Sample No.: 5 A/S Pos: 36

Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1000.0

Data: Original Date: 2/3/10 12:34:47 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	393365.0	94.5	0.38	mg/L				0.40%
Y 360.064	239061.9	94.9	0.32	mg/L				0.33%
Ag 328.068	2.7	0.0019450	0.00072687	mg/L	1.94500	0.726868	mg/L	37.37%
Al 396.140	399.3	0.0562288	0.01223855	mg/L	56.2288	12.23855	mg/L	21.77%
As 188.979	2.5	-0.0121221	0.02621925	mg/L	-12.1221	26.21925	mg/L	216.29%

B 249.773	97.0	-0.0025667	0.00038185	mg/L	-2.56671	0.381846	mg/L 14.88%
Ba 455.403	9312.4	0.0000294	0.00006243	mg/L	0.0293584	0.06242627	mg/L 212.64%
Be 234.861	106.0	0.0000996	0.00021357	mg/L	0.0995553	0.21356822	mg/L 214.52%
Ca 315.887	2546.8	0.278807	0.0006239	mg/L	278.807	0.6239	mg/L 0.22%
Cd 214.438	52.0	0.0003146	0.00053921	mg/L	0.314629	0.5392082	mg/L 171.38%
Ce 413.765	-149.4	0.0168158	0.02636637	mg/L	16.8158	26.36637	mg/L 156.80%
Co 228.616	-12.6	-0.0008810	0.00063772	mg/L	-0.881030	0.6377150	mg/L 72.38%
Cr 205.560	56.9	0.0038199	0.00446579	mg/L	3.81992	4.465789	mg/L 116.91%
Cu 327.394	-47.7	-0.0052430	0.00255444	mg/L	-5.24303	2.554436	mg/L 48.72%
Fe 238.204	1272.4	0.129494	0.0005698	mg/L	129.494	0.5698	mg/L 0.44%
K 766.514	2161.0	-0.0034115	0.00862238	mg/L	-3.41149	8.622382	mg/L 252.75%
Li 670.781	441.9	-0.0007674	0.00099936	mg/L	-0.767377	0.9993625	mg/L 130.23%
Mg 279.074	73.8	0.0540656	0.02921498	mg/L	54.0656	29.21498	mg/L 54.04%
Mn 257.610	32.5	0.0019579	0.00031331	mg/L	1.95787	0.313313	mg/L 16.00%
Mo 202.031	1.9	-0.0099437	0.00401487	mg/L	-9.94371	4.014874	mg/L 40.38%
Na 589.594	2918.5	-0.0358618	0.00288272	mg/L	-35.8618	2.88272	mg/L 8.04%
Ni 231.603	84.7	0.0014662	0.00634648	mg/L	1.46617	6.346479	mg/L 432.86%
Pb 220.353	-6.4	-0.0111283	0.00917095	mg/L	-11.1283	9.17095	mg/L 82.41%
Sb 206.831	3.8	-0.0321951	0.01010148	mg/L	-32.1951	10.10148	mg/L 31.38%
Se 196.026	79.7	0.0268597	0.02930203	mg/L	26.8597	29.30203	mg/L 109.09%
Si 251.611	1292.0	-0.0226950	0.00072104	mg/L	-22.6950	0.72104	mg/L 3.18%
Sn 189.933	-0.6	0.0024858	0.02280751	mg/L	2.48575	22.807513	mg/L 917.53%
Sr 407.771	1235.5	-0.0014497	0.00008046	mg/L	-1.44970	0.080465	mg/L 5.55%
Ti 334.941	1970.0	0.0026187	0.00017174	mg/L	2.61872	0.171738	mg/L 6.56%
Tl 190.800	17.5	0.0112292	0.02378014	mg/L	11.2292	23.78014	mg/L 211.77%
V 292.402	-273.4	0.0034044	0.00252742	mg/L	3.40436	3.527419	mg/L 74.24%
Zn 206.200	9.8	0.0038770	0.00321967	mg/L	3.87703	3.219674	mg/L 83.04%

Replicate Data

ID: 1000890-PS2 Date: 2/3/10 12:38:03 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	395598.1	395598.1	95.1	mg/L		
1	Y 360.064	240176.7	240176.7	95.4	mg/L		
1	Ag 328.068	5725.1	6021.7	0.243711	mg/L	48.7421	mg/L
1	Al 396.140	10387.6	10925.7	1.46958	mg/L	293.917	mg/L
1	As 188.979	200.2	210.5	1.20337	mg/L	240.675	mg/L
1	B 249.773	2314.1	2433.9	0.226135	mg/L	45.2270	mg/L
1	Ba 455.403	155280.6	163324.7	0.251308	mg/L	50.2615	mg/L
1	Be 234.861	2129.2	2239.5	0.0243249	mg/L	4.86499	mg/L
1	Ca 315.887	124400.2	130844.6	13.3008	mg/L	2660.16	mg/L
1	Cd 214.438	1513.7	1592.1	0.239690	mg/L	47.9381	mg/L
1	Ce 413.765	-188.6	-198.4	0.0094204	mg/L	1.88409	mg/L
1	Co 228.616	721.4	758.8	0.237483	mg/L	47.4965	mg/L
1	Cr 205.560	306.0	321.9	0.245507	mg/L	49.1015	mg/L
1	Cu 327.394	3273.7	3443.3	0.240678	mg/L	48.1356	mg/L
1	Fe 238.204	7612.7	8007.1	0.893706	mg/L	178.741	mg/L
1	K 766.514	39524.2	41571.7	12.3905	mg/L	2478.09	mg/L
1	Li 670.781	37402.3	39339.9	0.245140	mg/L	49.0280	mg/L
1	Mg 279.074	14735.2	15498.6	12.5706	mg/L	2514.13	mg/L
1	Mn 257.610	18156.7	19097.3	0.260701	mg/L	52.1402	mg/L
1	Mo 202.031	154.1	162.1	0.234894	mg/L	46.9788	mg/L
1	Na 589.594	175202.9	184279.1	12.2403	mg/L	2448.06	mg/L
1	Ni 231.603	477.7	502.4	0.250388	mg/L	50.0777	mg/L
1	Pb 220.353	57.6	60.6	0.242813	mg/L	48.5627	mg/L
1	Sb 206.831	228.5	240.3	1.18629	mg/L	237.259	mg/L
1	Se 196.026	218.0	229.3	1.16534	mg/L	233.068	mg/L
1	Si 251.611	7246.2	7621.6	1.27605	mg/L	255.210	mg/L
1	Sn 189.933	109.0	114.6	1.18171	mg/L	236.342	mg/L
1	Sr 407.771	323306.9	340055.5	0.246184	mg/L	49.2369	mg/L
1	Ti 334.941	23583.8	24805.6	0.253900	mg/L	50.7800	mg/L
1	Tl 190.800	205.8	216.5	1.25686	mg/L	251.373	mg/L
1	V 292.402	3167.6	3331.7	0.242439	mg/L	48.4878	mg/L
1	Zn 206.200	511.1	537.6	0.250148	mg/L	50.0295	mg/L
2	Sc 357.253	397482.5	397482.5	95.5	mg/L		
2	Y 360.064	241455.2	241455.2	95.9	mg/L		
2	Ag 328.068	5710.7	5978.1	0.241959	mg/L	48.3919	mg/L
2	Al 396.140	10187.8	10664.7	1.43454	mg/L	286.909	mg/L
2	As 188.979	206.6	216.3	1.23684	mg/L	247.368	mg/L

2 B 249.773	2402.6	2515.1	0.234076 mg/L	46.8151 mg/L
2 Ba 455.403	157523.7	164898.6	0.253875 mg/L	50.7751 mg/L
2 Be 234.861	2120.1	2219.4	0.0240972 mg/L	4.81945 mg/L
2 Ca 315.887	126137.9	132043.4	13.4224 mg/L	2684.48 mg/L
2 Cd 214.438	1505.9	1576.4	0.237240 mg/L	47.4481 mg/L
2 Ce 413.765	-181.0	-189.5	0.0107661 mg/L	2.15321 mg/L
2 Co 228.616	734.6	769.0	0.240632 mg/L	48.1264 mg/L
2 Cr 205.560	316.9	331.8	0.254543 mg/L	50.9087 mg/L
2 Cu 327.394	3289.2	3443.2	0.240671 mg/L	48.1341 mg/L
2 Fe 238.204	7601.1	7956.9	0.888018 mg/L	177.604 mg/L
2 K 766.514	39956.9	41827.5	12.4709 mg/L	2494.18 mg/L
2 Li 670.781	37766.7	39534.9	0.246372 mg/L	49.2745 mg/L
2 Mg 279.074	14740.5	15430.6	12.5155 mg/L	2503.10 mg/L
2 Mn 257.610	18146.9	18996.5	0.259334 mg/L	51.8669 mg/L
2 Mo 202.031	158.8	166.2	0.241171 mg/L	48.2341 mg/L
2 Na 589.594	177757.1	186079.2	12.3621 mg/L	2472.43 mg/L
2 Ni 231.603	463.6	485.3	0.240175 mg/L	48.0351 mg/L
2 Pb 220.353	56.2	58.8	0.236207 mg/L	47.2414 mg/L
2 Sb 206.831	227.6	238.2	1.17563 mg/L	235.126 mg/L
2 Se 196.026	219.1	229.3	1.16536 mg/L	233.072 mg/L
2 Si 251.611	7315.9	7658.4	1.28361 mg/L	256.722 mg/L
2 Sn 189.933	105.9	110.9	1.14368 mg/L	228.735 mg/L
2 Sr 407.771	328508.0	343887.9	0.248985 mg/L	49.7971 mg/L
2 Ti 334.941	23637.3	24743.9	0.253222 mg/L	50.6444 mg/L
2 Tl 190.800	201.9	211.4	1.22491 mg/L	244.981 mg/L
2 V 292.402	3204.8	3354.9	0.243978 mg/L	48.7955 mg/L
2 Zn 206.200	505.2	528.8	0.246069 mg/L	49.2138 mg/L

Mean Data

ID: 1000890-PS2 Seq. No.: 6 Sample No.: 6 A/S Pos: 37
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 2/3/10 12:38:03 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	396540.3	95.3	0.32	mg/L				0.34%
Y 360.064	240816.0	95.6	0.36	mg/L				0.38%
Ag 328.068	5999.9	0.242835	0.0012383	mg/L	48.5670	0.24767	mg/L	0.51%
Al 396.140	10795.2	1.45206	0.024776	mg/L	290.413	4.9553	mg/L	1.71%
As 188.979	213.4	1.22011	0.023663	mg/L	244.021	4.7327	mg/L	1.94%
B 249.773	2474.5	0.230105	0.0056149	mg/L	46.0211	1.12298	mg/L	2.44%
Ba 455.403	164111.6	0.252592	0.0018157	mg/L	50.5183	0.36314	mg/L	0.72%
Be 234.861	2229.4	0.0242111	0.00016101	mg/L	4.84222	0.032203	mg/L	0.67%
Ca 315.887	131444.0	13.3616	0.08601	mg/L	2672.32	17.202	mg/L	0.64%
Cd 214.438	1584.2	0.238465	0.0017325	mg/L	47.6931	0.34650	mg/L	0.73%
Ce 413.765	-193.9	0.0100933	0.00095151	mg/L	2.01865	0.190302	mg/L	9.43%
Co 228.616	763.9	0.239057	0.0022269	mg/L	47.8115	0.44539	mg/L	0.93%
Cr 205.560	326.8	0.250025	0.0063895	mg/L	50.0051	1.27790	mg/L	2.56%
Cu 327.394	3443.2	0.240674	0.0000051	mg/L	48.1348	0.00102	mg/L	0.00%
Fe 238.204	7982.0	0.890862	0.0040223	mg/L	178.172	0.8045	mg/L	0.45%
K 766.514	41699.6	12.4307	0.05689	mg/L	2486.14	11.378	mg/L	0.46%
Li 670.781	39437.4	0.245756	0.0008715	mg/L	49.1512	0.17430	mg/L	0.35%
Mg 279.074	15464.6	12.5431	0.03900	mg/L	2508.61	7.801	mg/L	0.31%
Mn 257.610	19046.9	0.260018	0.0009665	mg/L	52.0036	0.19330	mg/L	0.37%
Mo 202.031	164.1	0.238032	0.0044383	mg/L	47.6065	0.88766	mg/L	1.86%
Na 589.594	185179.2	12.3012	0.08614	mg/L	2460.24	17.229	mg/L	0.70%
Ni 231.603	493.9	0.245282	0.0072218	mg/L	49.0564	1.44436	mg/L	2.94%
Pb 220.353	59.7	0.239510	0.0046714	mg/L	47.9020	0.93429	mg/L	1.95%
Sb 206.831	239.3	1.18096	0.007540	mg/L	236.193	1.5079	mg/L	0.64%
Se 196.026	229.3	1.16535	0.000012	mg/L	233.070	0.0024	mg/L	0.00%
Si 251.611	7640.0	1.27983	0.005346	mg/L	255.966	1.0691	mg/L	0.42%
Sn 189.933	112.8	1.16269	0.026894	mg/L	232.538	5.3788	mg/L	2.31%
Sr 407.771	341971.7	0.247585	0.0019806	mg/L	49.5170	0.39612	mg/L	0.80%
Ti 334.941	24774.7	0.253561	0.0004796	mg/L	50.7122	0.09592	mg/L	0.19%
Tl 190.800	213.9	1.24089	0.022597	mg/L	248.177	4.5194	mg/L	1.82%
V 292.402	3343.3	0.243208	0.0010880	mg/L	48.6416	0.21760	mg/L	0.45%
Zn 206.200	533.2	0.248108	0.0028842	mg/L	49.6217	0.57684	mg/L	1.16%

Replicate Data

ID: 1001382-06 Date: 2/3/10 12:41:25 PM

	Net	Corrected	Calib	Sample

Repl#	Element	Intensity	Intensity	Conc.	Units	Conc.	Units
1	Sc 357.253	394145.9	394145.9	94.7	mg/L		
1	Y 360.064	239472.3	239472.3	95.1	mg/L		
1	Ag 328.068	-18.2	-19.2	0.0010671	mg/L	0.0053356	mg/L
1	Al 396.140	62983.7	66490.6	8.93018	mg/L	44.6509	mg/L
1	As 188.979	10.6	11.2	0.0385614	mg/L	0.192807	mg/L
1	B 249.773	825.5	871.4	0.0031899	mg/L	0.0159496	mg/L
1	Ba 455.403	168299.2	177669.9	0.274713	mg/L	1.37356	mg/L
1	Be 234.861	373.9	394.7	0.0001751	mg/L	0.0008753	mg/L
1	Ca 315.887	512074.8	540586.8	54.8930	mg/L	274.465	mg/L
1	Cd 214.438	68.0	71.8	0.0033836	mg/L	0.0169179	mg/L
1	Ce 413.765	137.3	144.9	0.0612881	mg/L	0.306440	mg/L
1	Co 228.616	26.5	28.0	0.0014345	mg/L	0.0071724	mg/L
1	Cr 205.560	83.5	88.2	0.0323266	mg/L	0.161633	mg/L
1	Cu 327.394	1598.3	1687.2	0.116972	mg/L	0.584862	mg/L
1	Fe 238.204	216395.0	228443.7	25.9076	mg/L	129.538	mg/L
1	K 766.514	4560.2	4814.1	0.839881	mg/L	4.19940	mg/L
1	Li 670.781	2102.7	2219.7	0.0104718	mg/L	0.0523589	mg/L
1	Mg 279.074	20536.9	21680.4	17.5741	mg/L	87.8706	mg/L
1	Mn 257.610	46429.8	49015.0	0.666739	mg/L	3.33370	mg/L
1	Mo 202.031	-2.8	-2.9	-0.0173295	mg/L	-0.0866473	mg/L
1	Na 589.594	4773.2	5039.0	0.113201	mg/L	0.566003	mg/L
1	Ni 231.603	125.9	132.9	0.0302262	mg/L	0.151131	mg/L
1	Pb 220.353	47.0	49.7	0.201384	mg/L	1.00692	mg/L
1	Sb 206.831	-1.7	-1.8	-0.0610720	mg/L	-0.305360	mg/L
1	Se 196.026	80.1	84.5	0.0637485	mg/L	0.318742	mg/L
1	Si 251.611	5297.9	5592.9	0.859804	mg/L	4.29902	mg/L
1	Sn 189.933	-11.7	-12.4	-0.118559	mg/L	-0.592793	mg/L
1	Sr 407.771	89747.6	94744.7	0.0668936	mg/L	0.334468	mg/L
1	Ti 334.941	31824.3	33596.2	0.350632	mg/L	1.75316	mg/L
1	Tl 190.800	12.6	13.3	-0.0146794	mg/L	-0.0733972	mg/L
1	V 292.402	257.0	271.3	0.0395180	mg/L	0.197590	mg/L
1	Zn 206.200	995.2	1050.6	0.489540	mg/L	2.44770	mg/L
2	Sc 357.253	396072.8	396072.8	95.2	mg/L		
2	Y 360.064	240800.5	240800.5	95.6	mg/L		
2	Ag 328.068	-27.5	-28.9	0.0006781	mg/L	0.0033905	mg/L
2	Al 396.140	63715.5	66935.9	8.98996	mg/L	44.9498	mg/L
2	As 188.979	8.8	9.2	0.0271213	mg/L	0.135607	mg/L
2	B 249.773	831.6	873.6	0.0028434	mg/L	0.0142168	mg/L
2	Ba 455.403	170196.0	178798.3	0.276553	mg/L	1.38277	mg/L
2	Be 234.861	405.0	425.4	0.0004978	mg/L	0.0024889	mg/L
2	Ca 315.887	518302.0	544498.7	55.2900	mg/L	276.450	mg/L
2	Cd 214.438	74.4	78.2	0.0043769	mg/L	0.0218844	mg/L
2	Ce 413.765	25.1	26.3	0.0433706	mg/L	0.216853	mg/L
2	Co 228.616	35.9	37.7	0.0043488	mg/L	0.0217440	mg/L
2	Cr 205.560	88.2	92.6	0.0363811	mg/L	0.181906	mg/L
2	Cu 327.394	1671.8	1756.3	0.121835	mg/L	0.609173	mg/L
2	Fe 238.204	219198.2	230277.2	26.1157	mg/L	130.578	mg/L
2	K 766.514	4578.8	4810.2	0.838713	mg/L	4.19356	mg/L
2	Li 670.781	2087.0	2192.5	0.0102997	mg/L	0.0514984	mg/L
2	Mg 279.074	20535.1	21573.0	17.4869	mg/L	87.4347	mg/L
2	Mn 257.610	46711.7	49072.7	0.667522	mg/L	3.33761	mg/L
2	Mo 202.031	0.9	0.9	-0.0114408	mg/L	-0.0572041	mg/L
2	Na 589.594	4853.8	5099.2	0.117303	mg/L	0.586515	mg/L
2	Ni 231.603	144.5	151.8	0.0415013	mg/L	0.207506	mg/L
2	Pb 220.353	47.2	49.6	0.201253	mg/L	1.00626	mg/L
2	Sb 206.831	-3.0	-3.1	-0.0677001	mg/L	-0.338501	mg/L
2	Se 196.026	71.6	75.2	-0.0067946	mg/L	-0.0339730	mg/L
2	Si 251.611	5294.2	5561.8	0.853418	mg/L	4.26709	mg/L
2	Sn 189.933	-11.4	-11.9	-0.113972	mg/L	-0.569859	mg/L
2	Sr 407.771	90857.2	95449.4	0.0674086	mg/L	0.337043	mg/L
2	Ti 334.941	31927.7	33541.5	0.350030	mg/L	1.75015	mg/L
2	Tl 190.800	7.3	7.7	-0.0498640	mg/L	-0.249320	mg/L
2	V 292.402	219.7	230.8	0.0368327	mg/L	0.184163	mg/L
2	Zn 206.200	999.0	1049.5	0.488998	mg/L	2.44499	mg/L

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

ID: 1001382-06 Seq. No.: 7 Sample No.: 7 A/S Pos: 38

Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 5.0

Data: Original Date: 2/3/10 12:41:25 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	395109.3	95.0	0.33	mg/L				0.34%
Y 360.064	240136.4	95.3	0.37	mg/L				0.39%
Ag 328.068	-24.0	0.0008726	0.00027507	mg/L	0.0043631	0.00137536	mg/L	31.52%
Al 396.140	66713.2	8.96007	0.042272	mg/L	44.8004	0.21136	mg/L	0.47%
As 188.979	10.2	0.0328414	0.00808937	mg/L	0.164207	0.0404468	mg/L	24.63%
B 249.773	872.5	0.0030166	0.00024506	mg/L	0.0150832	0.00122531	mg/L	8.12%
Ba 455.403	178234.1	0.275633	0.0013017	mg/L	1.37817	0.006509	mg/L	0.47%
Be 234.861	410.1	0.0003364	0.00022819	mg/L	0.0016821	0.00114097	mg/L	67.83%
Ca 315.887	542542.7	55.0915	0.28076	mg/L	275.458	1.4038	mg/L	0.51%
Cd 214.438	75.0	0.0038802	0.00070237	mg/L	0.0194011	0.00351185	mg/L	18.10%
Ce 413.765	85.6	0.0523293	0.01266959	mg/L	0.261647	0.0633479	mg/L	24.21%
Co 228.616	32.9	0.0028916	0.00206074	mg/L	0.0144582	0.01030370	mg/L	71.27%
Cr 205.560	90.4	0.0343539	0.00286702	mg/L	0.171769	0.0143351	mg/L	8.35%
Cu 327.394	1721.8	0.119403	0.0034381	mg/L	0.597017	0.0171904	mg/L	2.88%
Fe 238.204	229360.4	26.0117	0.14711	mg/L	130.058	0.7356	mg/L	0.57%
K 766.514	4812.2	0.839297	0.0008261	mg/L	4.19648	0.004130	mg/L	0.10%
Li 670.781	2206.1	0.0103857	0.00012169	mg/L	0.0519287	0.00060844	mg/L	1.17%
Mg 279.074	21626.7	17.5305	0.06165	mg/L	87.6527	0.30826	mg/L	0.35%
Mn 257.610	49043.8	0.667131	0.0005535	mg/L	3.33565	0.002768	mg/L	0.08%
Mo 202.031	-1.0	-0.0143851	0.00416390	mg/L	-0.0719257	0.02081952	mg/L	28.95%
Na 589.594	5069.1	0.115252	0.0029008	mg/L	0.576259	0.0145042	mg/L	2.52%
Ni 231.603	142.4	0.0358638	0.00797265	mg/L	0.179319	0.0398633	mg/L	22.23%
Pb 220.353	49.6	0.201319	0.0000930	mg/L	1.00659	0.000465	mg/L	0.05%
Sb 206.831	-2.5	-0.0643860	0.00468680	mg/L	-0.321930	0.0234340	mg/L	7.28%
Se 196.026	79.9	0.0284769	0.04988147	mg/L	0.142385	0.2494074	mg/L	175.16%
Si 251.611	5577.4	0.856611	0.0045151	mg/L	4.28306	0.022575	mg/L	0.53%
Sn 189.933	-12.2	-0.116265	0.0032434	mg/L	-0.581326	0.0162170	mg/L	2.79%
Sr 407.771	95097.1	0.0671511	0.00036417	mg/L	0.335755	0.0018208	mg/L	0.54%
Ti 334.941	33568.9	0.350331	0.0004261	mg/L	1.75165	0.002131	mg/L	0.12%
Tl 190.800	10.5	-0.0322717	0.02487927	mg/L	-0.161359	0.1243964	mg/L	77.09%
V 292.402	251.0	0.0381754	0.00189882	mg/L	0.190877	0.0094941	mg/L	4.97%
Zn 206.200	1050.1	0.489269	0.0003836	mg/L	2.44635	0.001918	mg/L	0.08%

Replicate Data

ID: 0B03018-SRD3 Date: 2/3/10 12:44:41 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	395549.7	395549.7	95.1	mg/L		
1	Y 360.064	240522.3	240522.3	95.5	mg/L		
1	Ag 328.068	-144.5	-152.0	-0.0042682	mg/L	-0.106706	mg/L
1	Al 396.140	12702.1	13361.7	1.79666	mg/L	44.9166	mg/L
1	As 188.979	7.0	7.3	0.0160388	mg/L	0.400969	mg/L
1	B 249.773	245.0	257.7	0.0131640	mg/L	0.329099	mg/L
1	Ba 455.403	40466.7	42568.3	0.0542878	mg/L	1.35720	mg/L
1	Be 234.861	161.4	169.8	0.0008245	mg/L	0.0206128	mg/L
1	Ca 315.887	104071.3	109476.0	11.1322	mg/L	278.304	mg/L
1	Cd 214.438	52.6	55.4	0.0008341	mg/L	0.0208527	mg/L
1	Ce 413.765	-118.7	-124.9	0.0205214	mg/L	0.513035	mg/L
1	Co 228.616	9.0	9.5	0.0059569	mg/L	0.148921	mg/L
1	Cr 205.560	49.0	51.5	-0.0010970	mg/L	-0.0274246	mg/L
1	Cu 327.394	256.5	269.8	0.0171186	mg/L	0.427966	mg/L
1	Fe 238.204	44444.0	46752.1	5.29028	mg/L	132.257	mg/L
1	K 766.514	2572.5	2706.1	0.169835	mg/L	4.24588	mg/L
1	Li 670.781	581.6	611.8	0.0003064	mg/L	0.0076610	mg/L
1	Mg 279.074	4203.6	4421.9	3.57981	mg/L	89.4952	mg/L
1	Mn 257.610	9289.2	9771.6	0.134135	mg/L	3.35337	mg/L
1	Mo 202.031	5.0	5.3	-0.0047602	mg/L	-0.119005	mg/L
1	Na 589.594	3180.6	3345.7	-0.0064211	mg/L	-0.160528	mg/L
1	Ni 231.603	81.3	85.6	0.0020033	mg/L	0.0500835	mg/L
1	Pb 220.353	2.9	3.1	0.0248253	mg/L	0.620631	mg/L
1	Sb 206.831	3.7	3.9	-0.0316062	mg/L	-0.790155	mg/L
1	Se 196.026	67.6	71.1	-0.0379126	mg/L	-0.947816	mg/L
1	Si 251.611	2106.3	2215.7	0.166828	mg/L	4.17070	mg/L
1	Sn 189.933	-4.3	-4.6	-0.0384892	mg/L	-0.962230	mg/L
1	Sr 407.771	18773.4	19748.4	0.0120808	mg/L	0.302021	mg/L
1	Ti 334.941	7765.5	8168.8	0.0708303	mg/L	1.77076	mg/L
1	Tl 190.800	4.3	4.5	-0.0699166	mg/L	-1.74792	mg/L

1 V 292.402	-182.3	-191.7	0.0088187 mg/L	0.220469 mg/L	
1 Zn 206.200	206.5	217.3	0.100683 mg/L	2.51708 mg/L	
2 Sc 357.253	392203.5	392203.5	94.3 mg/L		
2 Y 360.064	238364.1	238364.1	94.6 mg/L		
2 Ag 328.068	-77.2	-81.9	-0.0014493 mg/L	-0.0362330 mg/L	
2 Al 396.140	12789.7	13568.7	1.82445 mg/L	45.6113 mg/L	
2 As 188.979	4.9	5.2	0.0033073 mg/L	0.0826834 mg/L	
2 B 249.773	249.3	264.5	0.0138294 mg/L	0.345736 mg/L	
2 Ba 455.403	40845.1	43332.8	0.0555352 mg/L	1.38838 mg/L	
2 Be 234.861	131.4	139.4	0.0004795 mg/L	0.0119872 mg/L	
2 Ca 315.887	104867.1	111254.3	11.3127 mg/L	282.817 mg/L	
2 Cd 214.438	51.2	54.3	0.0006666 mg/L	0.0166646 mg/L	
2 Ce 413.765	-176.0	-186.7	0.0111769 mg/L	0.279421 mg/L	
2 Co 228.616	4.8	5.1	0.0045979 mg/L	0.114949 mg/L	
2 Cr 205.560	57.7	61.2	0.0077295 mg/L	0.193237 mg/L	
2 Cu 327.394	309.6	328.5	0.0212555 mg/L	0.531388 mg/L	
2 Fe 238.204	44695.1	47417.4	5.36577 mg/L	134.144 mg/L	
2 K 766.514	2566.0	2722.3	0.174941 mg/L	4.37351 mg/L	
2 Li 670.781	698.2	740.8	0.0011218 mg/L	0.0280451 mg/L	
2 Mg 279.074	4094.1	4343.5	3.51610 mg/L	87.9026 mg/L	
2 Mn 257.610	9289.4	9855.1	0.135269 mg/L	3.38172 mg/L	
2 Mo 202.031	8.4	8.9	0.0007982 mg/L	0.0199550 mg/L	
2 Na 589.594	3184.6	3378.6	-0.0041912 mg/L	-0.104780 mg/L	
2 Ni 231.603	90.9	96.5	0.0085118 mg/L	0.212796 mg/L	
2 Pb 220.353	4.0	4.2	0.0292695 mg/L	0.731739 mg/L	
2 Sb 206.831	0.9	0.9	-0.0470169 mg/L	-1.17542 mg/L	
2 Se 196.026	80.2	85.1	0.0681643 mg/L	1.70411 mg/L	
2 Si 251.611	2080.7	2207.5	0.165148 mg/L	4.12869 mg/L	
2 Sn 189.933	-5.3	-5.7	-0.0497600 mg/L	-1.24400 mg/L	
2 Sr 407.771	18939.8	20093.4	0.0123330 mg/L	0.308325 mg/L	
2 Ti 334.941	7870.7	8350.1	0.0728249 mg/L	1.82062 mg/L	
2 Tl 190.800	20.4	21.6	0.0371701 mg/L	0.929251 mg/L	
2 V 292.402	-127.2	-135.0	0.0125831 mg/L	0.314578 mg/L	
2 Zn 206.200	204.4	216.8	0.100484 mg/L	2.51210 mg/L	

Mean Data

ID: 0B03018-SRD3 Seq. No.: 8 Sample No.: 8 A/S Pos: 39
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 25.0
Data: Original Date: 2/3/10 12:44:41 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	393876.6	94.7	0.57	mg/L				0.60%
~~Y 360.064~~	~~239443.2~~	~~95.1~~	~~0.61~~	~~mg/L~~				~~0.64%~~
Ag 328.068	-116.9	-0.0028588	0.00199328	mg/L	-0.0714695	0.04983195	mg/L	69.72%
Al 396.140	13465.2	1.81056	0.019649	mg/L	45.2640	0.49122	mg/L	1.09%
As 188.979	6.3	0.0096730	0.00900247	mg/L	0.241826	0.2250619	mg/L	93.07%
B 249.773	261.1	0.0134967	0.00047057	mg/L	0.337418	0.0117642	mg/L	3.49%
Ba 455.403	42950.5	0.0549115	0.00088206	mg/L	1.37279	0.022052	mg/L	1.61%
Be 234.861	154.6	0.0006520	0.00024397	mg/L	0.0163000	0.00609924	mg/L	37.42%
Ca 315.887	110365.2	11.2224	0.12763	mg/L	280.561	3.1908	mg/L	1.14%
Cd 214.438	54.8	0.0007503	0.00011846	mg/L	0.0187586	0.00296145	mg/L	15.79%
Ce 413.765	-155.8	0.0158491	0.00660760	mg/L	0.396228	0.1651900	mg/L	41.69%
Co 228.616	7.3	0.0052774	0.00096089	mg/L	0.131935	0.0240223	mg/L	18.21%
Cr 205.560	56.4	0.0033162	0.00624125	mg/L	0.0829062	0.15603130	mg/L	188.20%
Cu 327.394	299.1	0.0191871	0.00292521	mg/L	0.479677	0.0731302	mg/L	15.25%
Fe 238.204	47084.8	5.32803	0.053380	mg/L	133.201	1.3345	mg/L	1.00%
K 766.514	2714.2	0.172388	0.0036101	mg/L	4.30970	0.090252	mg/L	2.09%
Li 670.781	676.3	0.0007141	0.00057655	mg/L	0.0178530	0.01441375	mg/L	80.74%
Mg 279.074	4382.7	3.54796	0.045046	mg/L	88.6989	1.12615	mg/L	1.27%
Mn 257.610	9813.4	0.134702	0.0008018	mg/L	3.36755	0.020045	mg/L	0.60%
Mo 202.031	7.1	-0.0019810	0.00393038	mg/L	-0.0495249	0.09825953	mg/L	198.40%
Na 589.594	3362.2	-0.0053062	0.00157678	mg/L	-0.132654	0.0394195	mg/L	29.72%
Ni 231.603	91.0	0.0052576	0.00460220	mg/L	0.131440	0.1150551	mg/L	87.53%
Pb 220.353	3.7	0.0270474	0.00314259	mg/L	0.676185	0.0785647	mg/L	11.62%
Sb 206.831	2.4	-0.0393115	0.01089697	mg/L	-0.982788	0.2724244	mg/L	27.72%
Se 196.026	78.1	0.0151259	0.07500774	mg/L	0.378146	1.8751936	mg/L	495.89%
Si 251.611	2211.6	0.165988	0.0011883	mg/L	4.14970	0.029708	mg/L	0.72%
Sn 189.933	-5.1	-0.0441246	0.00796966	mg/L	-1.10311	0.199241	mg/L	18.06%
Sr 407.771	19920.9	0.0122069	0.00017831	mg/L	0.305173	0.0044577	mg/L	1.46%
Ti 334.941	8259.4	0.0718276	0.00141040	mg/L	1.79569	0.035260	mg/L	1.96%

Tl 190.800	13.0	-0.0163733	0.07572172 mg/L	-0.409332	1.8930431 mg/L	462.47%
V 292.402	-163.3	0.0107009	0.00266181 mg/L	0.267523	0.0665454 mg/L	24.87%
Zn 206.200	217.1	0.100584	0.0001411 mg/L	2.51459	0.003528 mg/L	0.14%

Replicate Data

ID: 1000890-PS3 Date: 2/3/10 12:48:00 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	398032.0	398032.0	95.7	mg/L		
1	Y 360.064	241644.9	241644.9	95.9	mg/L		
1	Ag 328.068	5943.2	6212.9	0.251393	mg/L	1.25696	mg/L
1	Al 396.140	72542.3	75833.7	10.1847	mg/L	50.9233	mg/L
1	As 188.979	220.4	230.4	1.31920	mg/L	6.59598	mg/L
1	B 249.773	3151.6	3294.6	0.240112	mg/L	1.20056	mg/L
1	Ba 455.403	318589.4	333044.5	0.528213	mg/L	2.64107	mg/L
1	Be 234.861	2527.8	2642.5	0.0256878	mg/L	0.128439	mg/L
1	Ca 315.887	630906.0	659531.7	66.9656	mg/L	334.828	mg/L
1	Cd 214.438	1575.1	1646.5	0.248148	mg/L	1.24074	mg/L
1	Ce 413.765	90.9	95.0	0.0537429	mg/L	0.268715	mg/L
1	Co 228.616	823.0	860.3	0.258561	mg/L	1.29281	mg/L
1	Cr 205.560	337.4	352.7	0.273641	mg/L	1.36820	mg/L
1	Cu 327.394	5126.2	5358.8	0.375614	mg/L	1.87807	mg/L
1	Fe 238.204	219207.0	229153.0	25.9881	mg/L	129.941	mg/L
1	K 766.514	43877.3	45868.1	13.7504	mg/L	68.7521	mg/L
1	Li 670.781	40737.5	42585.9	0.265660	mg/L	1.32830	mg/L
1	Mg 279.074	35064.7	36655.7	29.7264	mg/L	148.632	mg/L
1	Mn 257.610	63681.5	66570.9	0.905005	mg/L	4.52502	mg/L
1	Mo 202.031	166.3	173.8	0.252857	mg/L	1.26428	mg/L
1	Na 589.594	185855.8	194288.5	12.9232	mg/L	64.6160	mg/L
1	Ni 231.603	524.4	548.2	0.277669	mg/L	1.38834	mg/L
1	Pb 220.353	103.0	107.7	0.421291	mg/L	2.10646	mg/L
1	Sb 206.831	230.8	241.3	1.19143	mg/L	5.95713	mg/L
1	Se 196.026	234.9	245.6	1.28899	mg/L	6.44496	mg/L
1	Si 251.611	11270.3	11781.7	2.01915	mg/L	10.0958	mg/L
1	Sn 189.933	99.1	103.6	1.06894	mg/L	5.34471	mg/L
1	Sr 407.771	425116.1	444404.5	0.322450	mg/L	1.61225	mg/L
1	Ti 334.941	53408.6	55831.9	0.595312	mg/L	2.97656	mg/L
1	Tl 190.800	220.4	230.4	1.34393	mg/L	6.71966	mg/L
1	V 292.402	3855.2	4030.2	0.288752	mg/L	1.44376	mg/L
1	Zn 206.200	1494.1	1561.9	0.728072	mg/L	3.64036	mg/L
2	Sc 357.253	399047.1	399047.1	95.9	mg/L		
2	Y 360.064	241972.1	241972.1	96.1	mg/L		
2	Ag 328.068	5950.3	6204.5	0.251054	mg/L	1.25527	mg/L
2	Al 396.140	72976.1	76093.1	10.2195	mg/L	51.0975	mg/L
2	As 188.979	216.0	225.2	1.28929	mg/L	6.44647	mg/L
2	B 249.773	3181.9	3317.8	0.241995	mg/L	1.20997	mg/L
2	Ba 455.403	320221.6	333899.2	0.529608	mg/L	2.64804	mg/L
2	Be 234.861	2522.8	2630.5	0.0255345	mg/L	0.127673	mg/L
2	Ca 315.887	635454.6	662596.8	67.2768	mg/L	336.384	mg/L
2	Cd 214.438	1574.7	1642.0	0.247438	mg/L	1.23719	mg/L
2	Ce 413.765	141.0	147.0	0.0616007	mg/L	0.308004	mg/L
2	Co 228.616	793.9	827.9	0.248472	mg/L	1.24236	mg/L
2	Cr 205.560	338.4	352.9	0.273827	mg/L	1.36914	mg/L
2	Cu 327.394	5159.9	5380.3	0.377131	mg/L	1.88565	mg/L
2	Fe 238.204	220980.6	230419.4	26.1318	mg/L	130.659	mg/L
2	K 766.514	44117.0	46001.4	13.7924	mg/L	68.9620	mg/L
2	Li 670.781	40988.2	42739.0	0.266628	mg/L	1.33314	mg/L
2	Mg 279.074	35346.3	36856.1	29.8890	mg/L	149.445	mg/L
2	Mn 257.610	64459.9	67213.2	0.913722	mg/L	4.56861	mg/L
2	Mo 202.031	165.5	172.6	0.250985	mg/L	1.25492	mg/L
2	Na 589.594	186521.0	194487.9	12.9367	mg/L	64.6837	mg/L
2	Ni 231.603	554.9	578.6	0.295794	mg/L	1.47897	mg/L
2	Pb 220.353	102.5	106.8	0.418213	mg/L	2.09107	mg/L
2	Sb 206.831	242.5	252.8	1.25089	mg/L	6.25443	mg/L
2	Se 196.026	224.7	234.3	1.20337	mg/L	6.01684	mg/L
2	Si 251.611	11495.2	11986.2	2.06050	mg/L	10.3025	mg/L
2	Sn 189.933	106.1	110.7	1.14134	mg/L	5.70669	mg/L
2	Sr 407.771	427222.8	445470.7	0.323230	mg/L	1.61615	mg/L
2	Ti 334.941	54038.3	56346.5	0.600975	mg/L	3.00487	mg/L

2 Tl 190.800	209.1	218.0	1.26652 mg/L	6.33260 mg/L
2 V 292.402	3880.6	4046.4	0.289827 mg/L	1.44914 mg/L
2 Zn 206.200	1499.5	1563.5	0.728850 mg/L	3.64425 mg/L

Mean Data

ID: 1000890-PS3 Seq. No.: 9 Sample No.: 9 A/S Pos: 40
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 5.0
Data: Original Date: 2/3/10 12:48:00 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	398539.6	95.8	0.17	mg/L				0.18%
Y 360.064	241808.5	96.0	0.09	mg/L				0.10%
Ag 328.068	6208.7	0.251223	0.0002394	mg/L	1.25612	0.001197	mg/L	0.10%
Al 396.140	75963.4	10.2021	0.02463	mg/L	51.0104	0.12316	mg/L	0.24%
As 188.979	227.8	1.30425	0.021143	mg/L	6.52123	0.105717	mg/L	1.62%
B 249.773	3306.2	0.241054	0.0013313	mg/L	1.20527	0.006656	mg/L	0.55%
Ba 455.403	333471.8	0.528911	0.0009860	mg/L	2.64455	0.004930	mg/L	0.19%
Be 234.861	2636.5	0.0256112	0.00010835	mg/L	0.128056	0.0005418	mg/L	0.42%
Ca 315.887	661064.2	67.1212	0.22003	mg/L	335.606	1.1002	mg/L	0.33%
Cd 214.438	1644.2	0.247793	0.0005020	mg/L	1.23896	0.002510	mg/L	0.20%
Ce 413.765	121.0	0.0576718	0.00555630	mg/L	0.288359	0.0277815	mg/L	9.63%
Co 228.616	844.1	0.253517	0.0071343	mg/L	1.26758	0.035671	mg/L	2.81%
Cr 205.560	352.8	0.273734	0.0001320	mg/L	1.36867	0.000660	mg/L	0.05%
Cu 327.394	5369.5	0.376373	0.0010724	mg/L	1.88186	0.005362	mg/L	0.28%
Fe 238.204	229786.2	26.0600	0.10162	mg/L	130.300	0.5081	mg/L	0.39%
K 766.514	45934.8	13.7714	0.02968	mg/L	68.8571	0.14838	mg/L	0.22%
Li 670.781	42662.4	0.266144	0.0006844	mg/L	1.33072	0.003422	mg/L	0.26%
Mg 279.074	36755.9	29.8077	0.11491	mg/L	149.039	0.5745	mg/L	0.39%
Mn 257.610	66892.0	0.909363	0.0061640	mg/L	4.54682	0.030820	mg/L	0.68%
Mo 202.031	173.2	0.251921	0.0013236	mg/L	1.25960	0.006618	mg/L	0.53%
Na 589.594	194388.2	12.9300	0.00957	mg/L	64.6499	0.04785	mg/L	0.07%
Ni 231.603	563.4	0.286731	0.0128161	mg/L	1.43366	0.064081	mg/L	4.47%
Pb 220.353	107.3	0.419752	0.0021765	mg/L	2.09876	0.010883	mg/L	0.52%
Sb 206.831	247.1	1.22116	0.042045	mg/L	6.10578	0.210224	mg/L	3.44%
Se 196.026	240.0	1.24618	0.060544	mg/L	6.23090	0.302722	mg/L	4.86%
Si 251.611	11883.9	2.03983	0.029239	mg/L	10.1991	0.14620	mg/L	1.43%
Sn 189.933	107.1	1.10514	0.051192	mg/L	5.52570	0.255958	mg/L	4.63%
Sr 407.771	444937.6	0.322840	0.0005510	mg/L	1.61420	0.002755	mg/L	0.17%
Ti 334.941	56089.2	0.598143	0.0040043	mg/L	2.99072	0.020021	mg/L	0.67%
Tl 190.800	224.2	1.30523	0.054738	mg/L	6.52613	0.273691	mg/L	4.19%
V 292.402	4038.3	0.289290	0.0007598	mg/L	1.44645	0.003799	mg/L	0.26%
Zn 206.200	1562.7	0.728461	0.0005502	mg/L	3.64230	0.002751	mg/L	0.08%

Replicate Data

ID: 0B03018-CCV Date: 2/3/10 12:51:24 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	394774.6	394774.6	94.9	mg/L		
1	Y 360.064	239641.1	239641.1	95.1	mg/L		
1	Ag 328.068	12092.7	12745.7	0.513797	mg/L		
1	Al 396.140	18303.9	19292.2	2.59294	mg/L		
1	As 188.979	414.9	437.3	2.52848	mg/L		
1	B 249.773	4861.4	5123.9	0.489380	mg/L		
1	Ba 455.403	305277.4	321761.7	0.509805	mg/L		
1	Be 234.861	4284.0	4515.3	0.0501673	mg/L		
1	Ca 315.887	46132.2	48623.2	4.95322	mg/L		
1	Cd 214.438	3036.3	3200.2	0.489634	mg/L		
1	Ce 413.765	-123.0	-129.7	0.0198017	mg/L		
1	Co 228.616	1506.6	1587.9	0.493659	mg/L		
1	Cr 205.560	573.2	604.1	0.502980	mg/L		
1	Cu 327.394	6844.0	7213.6	0.506275	mg/L		
1	Fe 238.204	4342.8	4577.3	0.504516	mg/L		
1	K 766.514	17568.0	18516.6	5.14039	mg/L		
1	Li 670.781	76816.6	80964.6	0.508285	mg/L		
1	Mg 279.074	5873.2	6190.3	5.01703	mg/L		
1	Mn 257.610	34928.1	36814.1	0.501152	mg/L		
1	Mo 202.031	317.4	334.6	0.498538	mg/L		
1	Na 589.594	74274.6	78285.2	5.06413	mg/L		
1	Ni 231.603	871.6	918.7	0.498426	mg/L		

1	Pb 220.353	122.9	129.6	0.504404 mg/L
1	Sb 206.831	477.4	503.2	2.54050 mg/L
1	Se 196.026	378.9	399.4	2.45869 mg/L
1	Si 251.611	13081.3	13787.7	2.54127 mg/L
1	Sn 189.933	225.5	237.7	2.44146 mg/L
1	Sr 407.771	660276.5	695930.1	0.506283 mg/L
1	Ti 334.941	44894.0	47318.2	0.501628 mg/L
1	Tl 190.800	401.4	423.0	2.54986 mg/L
1	V 292.402	6863.8	7234.5	0.501215 mg/L
1	Zn 206.200	994.3	1048.0	0.488303 mg/L
2	Sc 357.253	395302.2	395302.2	95.0 mg/L
2	Y 360.064	240066.1	240066.1	95.3 mg/L
2	Ag 328.068	12163.5	12803.2	0.516107 mg/L
2	Al 396.140	18261.6	19222.0	2.58351 mg/L
2	As 188.979	413.3	435.0	2.51491 mg/L
2	B 249.773	4913.0	5171.4	0.494030 mg/L
2	Ba 455.403	308422.6	324642.9	0.514506 mg/L
2	Be 234.861	4303.1	4529.4	0.0503274 mg/L
2	Ca 315.887	46313.7	48749.4	4.96605 mg/L
2	Cd 214.438	3030.8	3190.2	0.488080 mg/L
2	Ce 413.765	-42.0	-44.2	0.0327094 mg/L
2	Co 228.616	1498.1	1576.9	0.490252 mg/L
2	Cr 205.560	562.1	591.6	0.491610 mg/L
2	Cu 327.394	6866.1	7227.2	0.507237 mg/L
2	Fe 238.204	4349.0	4577.7	0.504562 mg/L
2	K 766.514	17655.0	18583.5	5.16142 mg/L
2	Li 670.781	77406.9	81477.8	0.511529 mg/L
2	Mg 279.074	5961.8	6275.3	5.08602 mg/L
2	Mn 257.610	35070.5	36914.9	0.502519 mg/L
2	Mo 202.031	314.9	331.5	0.493820 mg/L
2	Na 589.594	75048.3	78995.1	5.11219 mg/L
2	Ni 231.603	894.8	941.8	0.512200 mg/L
2	Pb 220.353	128.4	135.2	0.525601 mg/L
2	Sb 206.831	474.4	499.3	2.52079 mg/L
2	Se 196.026	386.7	407.0	2.51653 mg/L
2	Si 251.611	13279.4	13977.8	2.58028 mg/L
2	Sn 189.933	233.4	245.6	2.52288 mg/L
2	Sr 407.771	667152.6	702238.9	0.510894 mg/L
2	Ti 334.941	45051.8	47421.2	0.502761 mg/L
2	Tl 190.800	399.9	420.9	2.53645 mg/L
2	V 292.402	6891.8	7254.2	0.502524 mg/L
2	Zn 206.200	1008.0	1061.0	0.494353 mg/L

Mean Data

ID: 0B03018-CCV Seq. No.: 10 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: 2/3/10 12:51:24 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	395038.4	94.9	0.09	mg/L				0.09%
Y 360.064	239853.6	95.2	0.12	mg/L				0.13%
Ag 328.068	12774.5	0.514952	0.0016333	mg/L				0.32%
Al 396.140	19257.1	2.58823	0.006670	mg/L				0.26%
As 188.979	436.2	2.52170	0.009592	mg/L				0.38%
B 249.773	5147.6	0.491705	0.0032877	mg/L				0.67%
Ba 455.403	323202.3	0.512155	0.0033240	mg/L				0.65%
Be 234.861	4522.4	0.0502473	0.00011321	mg/L				0.23%
Ca 315.887	48686.3	4.95964	0.009075	mg/L				0.18%
Cd 214.438	3195.2	0.488857	0.0010994	mg/L				0.22%
Ce 413.765	-86.9	0.0262555	0.00912707	mg/L				34.76%
Co 228.616	1582.4	0.491955	0.0024090	mg/L				0.49%
Cr 205.560	597.9	0.497295	0.0080400	mg/L				1.62%
Cu 327.394	7220.4	0.506756	0.0006802	mg/L				0.13%
Fe 238.204	4577.5	0.504539	0.0000323	mg/L				0.01%
K 766.514	18550.1	5.15091	0.014870	mg/L				0.29%
Li 670.781	81221.2	0.509907	0.0022944	mg/L				0.45%
Mg 279.074	6232.8	5.05152	0.048788	mg/L				0.97%
Mn 257.610	36864.5	0.501836	0.0009668	mg/L				0.19%
Mo 202.031	333.0	0.496179	0.0033359	mg/L				0.67%
Na 589.594	78640.2	5.08816	0.033984	mg/L				0.67%

Ni 231.603	930.3	0.505313	0.0097401	mg/L	1.93%
Pb 220.353	132.4	0.515002	0.0149886	mg/L	2.91%
Sb 206.831	501.3	2.53064	0.013935	mg/L	0.55%
Se 196.026	403.2	2.48761	0.040902	mg/L	1.64%
Si 251.611	13882.8	2.56077	0.027583	mg/L	1.08%
Sn 189.933	241.7	2.48217	0.057572	mg/L	2.32%
Sr 407.771	699084.5	0.508589	0.0032604	mg/L	0.64%
Ti 334.941	47369.7	0.502194	0.0008012	mg/L	0.16%
Tl 190.800	422.0	2.54315	0.009483	mg/L	0.37%
V 292.402	7244.4	0.501870	0.0009259	mg/L	0.18%
Zn 206.200	1054.5	0.491328	0.0042778	mg/L	0.87%

Replicate Data

ID: 0B03018-CCB Date: 2/3/10 12:54:39 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	383433.4	383433.4	92.2	mg/L		
1	Y 360.064	232551.5	232551.5	92.3	mg/L		
1	Ag 328.068	-53.5	-58.1	-0.0004954	mg/L		
1	Al 396.140	10.0	10.8	0.0040634	mg/L		
1	As 188.979	8.1	8.8	0.0247262	mg/L		
1	B 249.773	139.7	151.6	0.0027819	mg/L		
1	Ba 455.403	7781.2	8443.9	-0.0013877	mg/L		
1	Be 234.861	98.3	106.7	0.0001078	mg/L		
1	Ca 315.887	-445.5	-483.4	-0.0287422	mg/L		
1	Cd 214.438	40.5	43.9	-0.0009441	mg/L		
1	Ce 413.765	-51.7	-56.1	0.0309142	mg/L		
1	Co 228.616	-13.7	-14.9	-0.0015694	mg/L		
1	Cr 205.560	50.9	55.2	0.0022679	mg/L		
1	Cu 327.394	-152.0	-165.0	-0.0135071	mg/L		
1	Fe 238.204	128.6	139.6	0.0009465	mg/L		
1	K 766.514	2041.3	2215.2	0.0136068	mg/L		
1	Li 670.781	72.7	78.9	-0.0030625	mg/L		
1	Mg 279.074	-90.0	-97.6	-0.0850065	mg/L		
1	Mn 257.610	-199.5	-216.5	-0.0014214	mg/L		
1	Mo 202.031	6.5	7.1	-0.0020144	mg/L		
1	Na 589.594	2829.2	3070.2	-0.0255963	mg/L		
1	Ni 231.603	90.5	98.2	0.0095350	mg/L		
1	Pb 220.353	-0.1	-0.1	0.0126197	mg/L		
1	Sb 206.831	-3.5	-3.8	-0.0715189	mg/L		
1	Se 196.026	70.6	76.6	0.0034967	mg/L		
1	Si 251.611	1354.5	1469.9	0.0138117	mg/L		
1	Sn 189.933	-1.9	-2.1	-0.0128064	mg/L		
1	Sr 407.771	610.4	662.4	-0.0018686	mg/L		
1	Ti 334.941	1696.2	1840.6	0.0011955	mg/L		
1	Tl 190.800	15.5	16.8	0.0071371	mg/L		
1	V 292.402	-304.3	-330.2	-0.0003637	mg/L		
1	Zn 206.200	-1.9	-2.0	-0.0016351	mg/L		
2	Sc 357.253	383911.0	383911.0	92.3	mg/L		
2	Y 360.064	232598.0	232598.0	92.3	mg/L		
2	Ag 328.068	-50.3	-54.5	-0.0003517	mg/L		
2	Al 396.140	90.8	98.4	0.0158250	mg/L		
2	As 188.979	0.0	0.0	-0.0266249	mg/L		
2	B 249.773	126.6	137.2	0.0013702	mg/L		
2	Ba 455.403	7851.4	8509.5	-0.0012807	mg/L		
2	Be 234.861	88.2	95.6	-0.0000182	mg/L		
2	Ca 315.887	-449.6	-487.3	-0.0291340	mg/L		
2	Cd 214.438	48.4	52.5	0.0003901	mg/L		
2	Ce 413.765	-196.5	-212.9	0.0072185	mg/L		
2	Co 228.616	-12.6	-13.6	-0.0011888	mg/L		
2	Cr 205.560	55.3	59.9	0.0065348	mg/L		
2	Cu 327.394	-10.3	-11.2	-0.0026746	mg/L		
2	Fe 238.204	128.2	138.9	0.0008714	mg/L		
2	K 766.514	2027.3	2197.2	0.0079668	mg/L		
2	Li 670.781	474.4	514.1	-0.0003108	mg/L		
2	Mg 279.074	35.5	38.5	0.0254553	mg/L		
2	Mn 257.610	-216.3	-234.4	-0.0016646	mg/L		
2	Mo 202.031	5.7	6.2	-0.0034278	mg/L		
2	Na 589.594	2844.1	3082.5	-0.0247664	mg/L		

2	Ni 231.603	91.4	99.1	0.0100526 mg/L
2	Pb 220.353	-0.7	-0.7	0.0104010 mg/L
2	Sb 206.831	4.8	5.2	-0.0246978 mg/L
2	Se 196.026	88.2	95.6	0.147903 mg/L
2	Si 251.611	1279.5	1386.8	-0.0032501 mg/L
2	Sn 189.933	-0.3	-0.3	0.0048777 mg/L
2	Sr 407.771	536.3	581.3	-0.0019279 mg/L
2	Ti 334.941	1581.2	1713.8	-0.0002004 mg/L
2	Tl 190.800	13.3	14.4	-0.0077991 mg/L
2	V 292.402	-212.5	-230.3	0.0062588 mg/L
2	Zn 206.200	0.3	0.3	-0.0005587 mg/L

Mean Data

ID: 0B03018-CCB Seq. No.: 11 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: 2/3/10 12:54:39 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	383672.2	92.2	0.08	mg/L				0.09%
Y 360.064	232574.7	92.3	0.01	mg/L				0.01%
Ag 328.068	-56.3	-0.0004235	0.00010160	mg/L				23.99%
Al 396.140	54.6	0.0099442	0.00831669	mg/L				83.63%
As 188.979	4.4	-0.0009493	0.03631075	mg/L				>999.9%
B 249.773	144.4	0.0020760	0.00099821	mg/L				48.08%
Ba 455.403	8476.7	-0.0013342	0.00007568	mg/L				5.67%
Be 234.861	101.2	0.0000448	0.00008914	mg/L				199.00%
Ca 315.887	-485.3	-0.0289381	0.00027705	mg/L				0.96%
Cd 214.438	48.2	-0.0002770	0.00094344	mg/L				340.61%
Ce 413.765	-134.5	0.0190664	0.01675542	mg/L				87.88%
Co 228.616	-14.3	-0.0013791	0.00026908	mg/L				19.51%
Cr 205.560	57.5	0.0044014	0.00301713	mg/L				68.55%
Cu 327.394	-88.1	-0.0080909	0.00765974	mg/L				94.67%
Fe 238.204	139.2	0.0009090	0.00005310	mg/L				5.84%
K 766.514	2206.2	0.0107868	0.00398810	mg/L				36.97%
Li 670.781	296.5	-0.0016866	0.00194572	mg/L				115.36%
Mg 279.074	-29.6	-0.0297756	0.07810832	mg/L				262.32%
Mn 257.610	-225.4	-0.0015430	0.00017192	mg/L				11.14%
Mo 202.031	6.6	-0.0027211	0.00099946	mg/L				36.73%
Na 589.594	3076.3	-0.0251814	0.00058684	mg/L				2.33%
Ni 231.603	98.6	0.0097938	0.00036593	mg/L				3.74%
Pb 220.353	-0.4	0.0115104	0.00156883	mg/L				13.63%
Sb 206.831	0.7	-0.0481084	0.03310752	mg/L				68.82%
Se 196.026	86.1	0.0756999	0.10211071	mg/L				134.89%
Si 251.611	1428.3	0.0052808	0.01206448	mg/L				228.46%
Sn 189.933	-1.2	-0.0039643	0.01250448	mg/L				315.42%
Sr 407.771	621.8	-0.0018983	0.00004191	mg/L				2.21%
Ti 334.941	1777.2	0.0004976	0.00098705	mg/L				198.37%
Tl 190.800	15.6	-0.0003310	0.01056147	mg/L				>999.9%
V 292.402	-280.3	0.0029475	0.00468281	mg/L				158.87%
Zn 206.200	-0.9	-0.0010969	0.00076116	mg/L				69.39%

Replicate Data

ID: 1001382-07 Date: 2/3/10 12:57:56 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	397841.3	397841.3	95.6	mg/L		
1	Y 360.064	240764.2	240764.2	95.6	mg/L		
1	Ag 328.068	4.8	5.0	0.0020410	mg/L	0.0204100	mg/L
1	Al 396.140	26997.2	28235.7	3.79376	mg/L	37.9376	mg/L
1	As 188.979	18.4	19.2	0.0853816	mg/L	0.853816	mg/L
1	B 249.773	498.3	521.1	0.0389421	mg/L	0.389421	mg/L
1	Ba 455.403	16096.9	16835.4	0.0123034	mg/L	0.123034	mg/L
1	Be 234.861	250.8	262.3	0.0002555	mg/L	0.0025548	mg/L
1	Ca 315.887	1213110.1	1268759.6	128.801	mg/L	1288.01	mg/L
1	Cd 214.438	62.6	65.4	0.0024002	mg/L	0.0240025	mg/L
1	Ce 413.765	-52.6	-55.1	0.0310721	mg/L	0.310721	mg/L
1	Co 228.616	42.8	44.8	0.0168720	mg/L	0.168720	mg/L
1	Cr 205.560	71.9	75.2	0.0205158	mg/L	0.205158	mg/L
1	Cu 327.394	-54.5	-57.0	0.0078015	mg/L	0.0780148	mg/L

1 Fe 238.204	110429.3	115495.1	13.0909 mg/L	130.909 mg/L	
1 K 766.514	3729.0	3900.0	0.553566 mg/L	5.53566 mg/L	
1 Li 670.781	1493.8	1562.3	0.0063158 mg/L	0.0631575 mg/L	
1 Mg 279.074	51585.9	53952.3	43.7800 mg/L	437.800 mg/L	
1 Mn 257.610	25138.8	26292.1	0.358348 mg/L	3.58348 mg/L	
1 Mo 202.031	12.0	12.5	0.0062948 mg/L	0.0629475 mg/L	
1 Na 589.594	4944.3	5171.1	0.126606 mg/L	1.26606 mg/L	
1 Ni 231.603	114.5	119.7	0.0223483 mg/L	0.223483 mg/L	
1 Pb 220.353	-9.9	-10.4	-0.0261575 mg/L	-0.261575 mg/L	
1 Sb 206.831	0.1	0.1	-0.0513784 mg/L	-0.513784 mg/L	
1 Se 196.026	65.5	68.5	-0.0580443 mg/L	-0.580443 mg/L	
1 Si 251.611	4422.3	4625.2	0.498570 mg/L	4.98570 mg/L	
1 Sn 189.933	-26.6	-27.9	-0.276825 mg/L	-2.76825 mg/L	
1 Sr 407.771	89748.9	93866.0	0.0662514 mg/L	0.662514 mg/L	
1 Ti 334.941	22094.7	23108.3	0.235224 mg/L	2.35224 mg/L	
1 Tl 190.800	13.5	14.2	-0.0094386 mg/L	-0.0943856 mg/L	
1 V 292.402	-66.5	-69.5	0.0169214 mg/L	0.169214 mg/L	
1 Zn 206.200	54.4	56.9	0.0258698 mg/L	0.258698 mg/L	
2 Sc 357.253	395060.3	395060.3	94.9 mg/L		
2 Y 360.064	238797.1	238797.1	94.8 mg/L		
2 Ag 328.068	-12.9	-13.6	0.0012923 mg/L	0.0129233 mg/L	
2 Al 396.140	26992.5	28429.4	3.81978 mg/L	38.1978 mg/L	
2 As 188.979	20.7	21.8	0.100428 mg/L	1.00428 mg/L	
2 B 249.773	503.5	530.3	0.0398399 mg/L	0.398399 mg/L	
2 Ba 455.403	15962.2	16811.9	0.0122652 mg/L	0.122652 mg/L	
2 Be 234.861	219.7	231.4	-0.0001122 mg/L	-0.0011217 mg/L	
2 Ca 315.887	1217581.6	1282400.5	130.185 mg/L	1301.85 mg/L	
2 Cd 214.438	77.6	81.7	0.0049339 mg/L	0.0493389 mg/L	
2 Ce 413.765	-11.9	-12.5	0.0375000 mg/L	0.375000 mg/L	
2 Co 228.616	35.8	37.7	0.0146817 mg/L	0.146817 mg/L	
2 Cr 205.560	71.7	75.5	0.0207571 mg/L	0.207571 mg/L	
2 Cu 327.394	5.0	5.2	0.0123334 mg/L	0.123334 mg/L	
2 Fe 238.204	110830.9	116731.1	13.2311 mg/L	132.311 mg/L	
2 K 766.514	3827.8	4031.5	0.595048 mg/L	5.95048 mg/L	
2 Li 670.781	1716.0	1807.4	0.0078648 mg/L	0.0786482 mg/L	
2 Mg 279.074	52297.1	55081.2	44.6961 mg/L	446.961 mg/L	
2 Mn 257.610	25486.2	26843.0	0.365825 mg/L	3.65825 mg/L	
2 Mo 202.031	-3.4	-3.6	-0.0183300 mg/L	-0.183300 mg/L	
2 Na 589.594	4865.2	5124.2	0.123574 mg/L	1.23574 mg/L	
2 Ni 231.603	103.7	109.2	0.0160978 mg/L	0.160978 mg/L	
2 Pb 220.353	-8.9	-9.3	-0.0222093 mg/L	-0.222093 mg/L	
2 Sb 206.831	-3.8	-4.0	-0.0724531 mg/L	-0.724531 mg/L	
2 Se 196.026	73.1	77.0	0.0063512 mg/L	0.0635115 mg/L	
2 Si 251.611	4442.5	4679.0	0.506215 mg/L	5.06215 mg/L	
2 Sn 189.933	-28.2	-29.7	-0.295483 mg/L	-2.95483 mg/L	
2 Sr 407.771	90284.5	95090.8	0.0671466 mg/L	0.671466 mg/L	
2 Ti 334.941	22180.4	23361.2	0.238007 mg/L	2.38007 mg/L	
2 Tl 190.800	24.4	25.7	0.0629405 mg/L	0.629405 mg/L	
2 V 292.402	25.6	27.0	0.0233191 mg/L	0.233191 mg/L	
2 Zn 206.200	52.8	55.6	0.0252725 mg/L	0.252725 mg/L	

Mean Data

ID: 1001382-07 Seq. No.: 12 Sample No.: 10 A/S Pos: 41
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 10.0
Data: Original Date: 2/3/10 12:57:56 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	396450.8	95.3	0.47	mg/L				0.50%
Y 360.064	239780.6	95.2	0.55	mg/L				0.58%
Ag 328.068	-4.3	0.0016667	0.00052939	mg/L	0.0166666	0.00529388	mg/L	31.76%
Al 396.140	28332.6	3.80677	0.018397	mg/L	38.0677	0.18397	mg/L	0.48%
As 188.979	20.5	0.0929048	0.01063939	mg/L	0.929048	0.1063939	mg/L	11.45%
B 249.773	525.7	0.0393910	0.00063484	mg/L	0.393910	0.0063484	mg/L	1.61%
Ba 455.403	16823.7	0.0122843	0.00002702	mg/L	0.122843	0.0002702	mg/L	0.22%
Be 234.861	246.8	0.0000717	0.00025997	mg/L	0.0007165	0.00259969	mg/L	362.81%
Ca 315.887	1275580.1	129.493	0.9791	mg/L	1294.93	9.791	mg/L	0.76%
Cd 214.438	73.6	0.0036671	0.00179155	mg/L	0.0366707	0.01791553	mg/L	48.86%
Ce 413.765	-33.8	0.0342860	0.00454518	mg/L	0.342860	0.0454518	mg/L	13.26%
Co 228.616	41.3	0.0157769	0.00154879	mg/L	0.157769	0.0154879	mg/L	9.82%
Cr 205.560	75.3	0.0206365	0.00017060	mg/L	0.206365	0.0017060	mg/L	0.83%

Cu 327.394	-25.9	0.0100674	0.00320454	mg/L	0.100674	0.0320454 mg/L	31.83%
Fe 238.204	116113.1	13.1610	0.09917	mg/L	131.610	0.9917 mg/L	0.75%
K 766.514	3965.8	0.574307	0.0293323	mg/L	5.74307	0.293323 mg/L	5.11%
Li 670.781	1684.9	0.0070903	0.00109535	mg/L	0.0709028	0.01095354 mg/L	15.45%
Mg 279.074	54516.7	44.2380	0.64775	mg/L	442.380	6.4775 mg/L	1.46%
Mn 257.610	26567.5	0.362086	0.0052871	mg/L	3.62086	0.052871 mg/L	1.46%
Mo 202.031	4.5	-0.0060176	0.01741233	mg/L	-0.0601762	0.17412325 mg/L	289.36%
Na 589.594	5147.7	0.125090	0.0021435	mg/L	1.25090	0.021435 mg/L	1.71%
Ni 231.603	114.5	0.0192230	0.00441982	mg/L	0.192230	0.0441982 mg/L	22.99%
Pb 220.353	-9.9	-0.0241834	0.00279182	mg/L	-0.241834	0.0279182 mg/L	11.54%
Sb 206.831	-2.0	-0.0619158	0.01490212	mg/L	-0.619158	0.1490212 mg/L	24.07%
Se 196.026	72.7	-0.0258465	0.04553443	mg/L	-0.258465	0.4553443 mg/L	176.17%
Si 251.611	4652.1	0.502393	0.0054054	mg/L	5.02393	0.054054 mg/L	1.08%
Sn 189.933	-28.8	-0.286154	0.0131935	mg/L	-2.86154	0.131935 mg/L	4.61%
Sr 407.771	94478.4	0.0666990	0.00063300	mg/L	0.666990	0.0063300 mg/L	0.95%
Ti 334.941	23234.8	0.236615	0.0019679	mg/L	2.36615	0.019679 mg/L	0.83%
Tl 190.800	19.9	0.0267510	0.05117972	mg/L	0.267510	0.5117972 mg/L	191.32%
V 292.402	-21.3	0.0201203	0.00452388	mg/L	0.201203	0.0452388 mg/L	22.48%
Zn 206.200	56.3	0.0255711	0.00042237	mg/L	0.255711	0.0042237 mg/L	1.65%

Replicate Data

ID: 1001382-08 Date: 2/3/10 1:01:21 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	392663.9	392663.9	94.4	mg/L		
1	Y 360.064	237365.5	237365.5	94.2	mg/L		
1	Ag 328.068	-11.3	-11.9	0.0013587	mg/L	0.0135873	mg/L
1	Al 396.140	29007.3	30737.9	4.12974	mg/L	41.2974	mg/L
1	As 188.979	11.8	12.5	0.0463255	mg/L	0.463255	mg/L
1	B 249.773	540.9	573.2	0.0440368	mg/L	0.440368	mg/L
1	Ba 455.403	16865.4	17871.6	0.0139941	mg/L	0.139941	mg/L
1	Be 234.861	273.8	290.1	0.0002744	mg/L	0.0027436	mg/L
1	Ca 315.887	1115688.2	1182254.1	120.022	mg/L	1200.22	mg/L
1	Cd 214.438	80.0	84.7	0.0054003	mg/L	0.0540029	mg/L
1	Ce 413.765	-59.2	-62.7	0.0299137	mg/L	0.299137	mg/L
1	Co 228.616	27.3	28.9	0.0119698	mg/L	0.119698	mg/L
1	Cr 205.560	65.6	69.5	0.0152847	mg/L	0.152847	mg/L
1	Cu 327.394	36.4	38.6	0.0135981	mg/L	0.135981	mg/L
1	Fe 238.204	129010.7	136707.9	15.4980	mg/L	154.980	mg/L
1	K 766.514	4014.7	4254.3	0.665474	mg/L	6.65474	mg/L
1	Li 670.781	1574.3	1668.2	0.0069853	mg/L	0.0698526	mg/L
1	Mg 279.074	55766.3	59093.5	47.9491	mg/L	479.491	mg/L
1	Mn 257.610	26583.9	28170.0	0.383835	mg/L	3.83835	mg/L
1	Mo 202.031	-5.9	-6.3	-0.0223890	mg/L	-0.223890	mg/L
1	Na 589.594	5077.5	5380.4	0.140810	mg/L	1.40810	mg/L
1	Ni 231.603	115.9	122.8	0.0241918	mg/L	0.241918	mg/L
1	Pb 220.353	-2.1	-2.3	0.0046077	mg/L	0.0460771	mg/L
1	Sb 206.831	2.9	3.1	-0.0356581	mg/L	-0.356581	mg/L
1	Se 196.026	73.7	78.1	0.0149913	mg/L	0.149913	mg/L
1	Si 251.611	4860.9	5150.9	0.590932	mg/L	5.90932	mg/L
1	Sn 189.933	-29.3	-31.1	-0.309859	mg/L	-3.09859	mg/L
1	Sr 407.771	73438.0	77819.5	0.0545234	mg/L	0.545234	mg/L
1	Ti 334.941	26490.0	28070.4	0.289827	mg/L	2.89827	mg/L
1	Tl 190.800	20.6	21.8	0.0385925	mg/L	0.385925	mg/L
1	V 292.402	-32.1	-34.1	0.0192731	mg/L	0.192731	mg/L
1	Zn 206.200	52.7	55.8	0.0253640	mg/L	0.253640	mg/L
2	Sc 357.253	391628.0	391628.0	94.1	mg/L		
2	Y 360.064	236515.5	236515.5	93.9	mg/L		
2	Ag 328.068	-13.6	-14.4	0.0012601	mg/L	0.0126008	mg/L
2	Al 396.140	29167.6	30989.6	4.16353	mg/L	41.6353	mg/L
2	As 188.979	6.4	6.8	0.0130716	mg/L	0.130716	mg/L
2	B 249.773	543.3	577.2	0.0444284	mg/L	0.444284	mg/L
2	Ba 455.403	17010.8	18073.4	0.0143234	mg/L	0.143234	mg/L
2	Be 234.861	268.8	285.6	0.0002095	mg/L	0.0020948	mg/L
2	Ca 315.887	1121383.3	1191432.3	120.953	mg/L	1209.53	mg/L
2	Cd 214.438	75.9	80.6	0.0047638	mg/L	0.0476378	mg/L
2	Ce 413.765	-14.4	-15.3	0.0370857	mg/L	0.370857	mg/L
2	Co 228.616	34.0	36.2	0.0142012	mg/L	0.142012	mg/L
2	Cr 205.560	58.4	62.1	0.0085181	mg/L	0.0851813	mg/L

2 Cu 327.394	-52.7	-55.9	0.0070401 mg/L	0.0704008 mg/L	
2 Fe 238.204	129554.5	137647.4	15.6046 mg/L	156.046 mg/L	
2 K 766.514	3905.7	4149.7	0.632648 mg/L	6.32648 mg/L	
2 Li 670.781	1621.4	1722.7	0.0073296 mg/L	0.0732956 mg/L	
2 Mg 279.074	55655.8	59132.4	47.9807 mg/L	479.807 mg/L	
2 Mn 257.610	26557.5	28216.4	0.384465 mg/L	3.84465 mg/L	
2 Mo 202.031	-1.4	-1.4	-0.0150407 mg/L	-0.150407 mg/L	
2 Na 589.594	5073.1	5390.0	0.141512 mg/L	1.41512 mg/L	
2 Ni 231.603	105.4	112.0	0.0177391 mg/L	0.177391 mg/L	
2 Pb 220.353	-7.5	-7.9	-0.0169742 mg/L	-0.169742 mg/L	
2 Sb 206.831	5.0	5.4	-0.0240901 mg/L	-0.240901 mg/L	
2 Se 196.026	73.0	77.6	0.0112229 mg/L	0.112229 mg/L	
2 Si 251.611	4889.7	5195.2	0.599909 mg/L	5.99909 mg/L	
2 Sn 189.933	-24.0	-25.4	-0.252162 mg/L	-2.52162 mg/L	
2 Sr 407.771	73706.5	78310.7	0.0548824 mg/L	0.548824 mg/L	
2 Ti 334.941	26397.2	28046.2	0.289559 mg/L	2.89559 mg/L	
2 Tl 190.800	17.5	18.5	0.0180465 mg/L	0.180465 mg/L	
2 V 292.402	-54.8	-58.2	0.0176706 mg/L	0.176706 mg/L	
2 Zn 206.200	56.5	60.1	0.0273351 mg/L	0.273351 mg/L	

Mean Data

ID: 1001382-08 Seq. No.: 13 Sample No.: 11 A/S Pos: 42
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 10.0
Data: Original Date: 2/3/10 1:01:21 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	392146.0	94.2	0.18	mg/L				0.19%
Y 360.064	236940.5	94.1	0.24	mg/L				0.25%
Ag 328.068	-13.2	0.0013094	0.00006976	mg/L	0.0130941	0.00069757	mg/L	5.33%
Al 396.140	30863.8	4.14663	0.023893	mg/L	41.4663	0.23893	mg/L	0.58%
As 188.979	9.7	0.0296986	0.02351405	mg/L	0.296986	0.2351405	mg/L	79.18%
B 249.773	575.2	0.0442326	0.00027690	mg/L	0.442326	0.0027690	mg/L	0.63%
Ba 455.403	17972.5	0.0141587	0.00023284	mg/L	0.141587	0.0023284	mg/L	1.64%
Be 234.861	287.9	0.0002419	0.00004588	mg/L	0.0024192	0.00045880	mg/L	18.97%
Ca 315.887	1186843.2	120.487	0.6587	mg/L	1204.87	6.587	mg/L	0.55%
Cd 214.438	82.7	0.0050820	0.00045008	mg/L	0.0508204	0.00450075	mg/L	8.86%
Ce 413.765	-39.0	0.0334997	0.00507137	mg/L	0.334997	0.0507137	mg/L	15.14%
Co 228.616	32.6	0.0130855	0.00157786	mg/L	0.130855	0.0157786	mg/L	12.06%
Cr 205.560	65.8	0.0119014	0.00478467	mg/L	0.119014	0.0478467	mg/L	40.20%
Cu 327.394	-8.7	0.0103191	0.00463720	mg/L	0.103191	0.0463720	mg/L	44.94%
Fe 238.204	137177.6	15.5513	0.07538	mg/L	155.513	0.7538	mg/L	0.48%
K 766.514	4202.0	0.649061	0.0232118	mg/L	6.49061	0.232118	mg/L	3.58%
Li 670.781	1695.5	0.0071574	0.00024346	mg/L	0.0715741	0.00243457	mg/L	3.40%
Mg 279.074	59112.9	47.9649	0.02235	mg/L	479.649	0.2235	mg/L	0.05%
Mn 257.610	28193.2	0.384150	0.0004458	mg/L	3.84150	0.004458	mg/L	0.12%
Mo 202.031	-3.8	-0.0187148	0.00519604	mg/L	-0.187148	0.0519604	mg/L	27.76%
Na 589.594	5385.2	0.141161	0.0004959	mg/L	1.41161	0.004959	mg/L	0.35%
Ni 231.603	117.4	0.0209654	0.00456280	mg/L	0.209654	0.0456280	mg/L	21.76%
Pb 220.353	-5.1	-0.0061832	0.01526072	mg/L	-0.0618325	0.15260719	mg/L	246.81%
Sb 206.831	4.2	-0.0298741	0.00817982	mg/L	-0.298741	0.0817982	mg/L	27.38%
Se 196.026	77.9	0.0131071	0.00266464	mg/L	0.131071	0.0266464	mg/L	20.33%
Si 251.611	5173.0	0.595421	0.0063480	mg/L	5.95421	0.063480	mg/L	1.07%
Sn 189.933	-28.3	-0.281010	0.0407983	mg/L	-2.81010	0.407983	mg/L	14.52%
Sr 407.771	78065.1	0.0547029	0.00025382	mg/L	0.547029	0.0025382	mg/L	0.46%
Ti 334.941	28058.3	0.289693	0.0001890	mg/L	2.89693	0.001890	mg/L	0.07%
Tl 190.800	20.2	0.0283195	0.01452823	mg/L	0.283195	0.1452823	mg/L	51.30%
V 292.402	-46.1	0.0184719	0.00113313	mg/L	0.184719	0.0113313	mg/L	6.13%
Zn 206.200	58.0	0.0263495	0.00139383	mg/L	0.263495	0.0139383	mg/L	5.29%

Replicate Data

ID: 0B03018-CCV Date: 2/3/10 1:04:45 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	390087.4	390087.4	93.8	mg/L		
1	Y 360.064	236808.6	236808.6	94.0	mg/L		
1	Ag 328.068	12022.9	12824.4	0.516956	mg/L		
1	Al 396.140	18153.8	19363.9	2.60257	mg/L		
1	As 188.979	408.7	436.0	2.52077	mg/L		
1	B 249.773	4761.3	5078.7	0.484962	mg/L		

1	Ba 455.403	303408.3	323634.2	0.512860	mg/L
1	Be 234.861	4158.7	4436.0	0.0492662	mg/L
1	Ca 315.887	45991.1	49057.0	4.99725	mg/L
1	Cd 214.438	3016.9	3218.0	0.492407	mg/L
1	Ce 413.765	-152.5	-162.7	0.0148100	mg/L
1	Co 228.616	1486.8	1586.0	0.493046	mg/L
1	Cr 205.560	568.7	606.7	0.505308	mg/L
1	Cu 327.394	6746.1	7195.8	0.505025	mg/L
1	Fe 238.204	4297.6	4584.1	0.505288	mg/L
1	K 766.514	17401.4	18561.5	5.15449	mg/L
1	Li 670.781	76227.9	81309.4	0.510464	mg/L
1	Mg 279.074	5849.8	6239.7	5.05713	mg/L
1	Mn 257.610	34655.4	36965.6	0.503208	mg/L
1	Mo 202.031	312.4	333.2	0.496494	mg/L
1	Na 589.594	73915.9	78843.3	5.10191	mg/L
1	Ni 231.603	881.8	940.5	0.511433	mg/L
1	Pb 220.353	118.7	126.6	0.492955	mg/L
1	Sb 206.831	455.4	485.7	2.45073	mg/L
1	Se 196.026	386.2	412.0	2.55426	mg/L
1	Si 251.611	12910.6	13771.3	2.53790	mg/L
1	Sn 189.933	224.4	239.4	2.45892	mg/L
1	Sr 407.771	656358.5	700113.0	0.509341	mg/L
1	Ti 334.941	44716.7	47697.6	0.505803	mg/L
1	Tl 190.800	392.8	419.0	2.52447	mg/L
1	V 292.402	6808.7	7262.6	0.503076	mg/L
1	Zn 206.200	988.1	1054.0	0.491101	mg/L
2	Sc 357.253	390716.3	390716.3	93.9	mg/L
2	Y 360.064	237029.6	237029.6	94.1	mg/L
2	Ag 328.068	12069.1	12852.9	0.518103	mg/L
2	Al 396.140	18259.9	19445.8	2.61356	mg/L
2	As 188.979	404.3	430.6	2.48906	mg/L
2	B 249.773	4820.6	5133.7	0.490340	mg/L
2	Ba 455.403	306020.5	325895.2	0.516549	mg/L
2	Be 234.861	4207.9	4481.2	0.0497797	mg/L
2	Ca 315.887	46080.6	49073.3	4.99888	mg/L
2	Cd 214.438	3014.4	3210.2	0.491180	mg/L
2	Ce 413.765	-119.0	-126.7	0.0202504	mg/L
2	Co 228.616	1504.3	1602.0	0.498003	mg/L
2	Cr 205.560	559.9	596.3	0.495835	mg/L
2	Cu 327.394	6863.8	7309.5	0.513035	mg/L
2	Fe 238.204	4305.0	4584.6	0.505341	mg/L
2	K 766.514	17655.4	18802.1	5.23014	mg/L
2	Li 670.781	76816.7	81805.6	0.513601	mg/L
2	Mg 279.074	5809.2	6186.5	5.01392	mg/L
2	Mn 257.610	34813.1	37074.1	0.504680	mg/L
2	Mo 202.031	316.2	336.7	0.501836	mg/L
2	Na 589.594	74569.6	79412.5	5.14043	mg/L
2	Ni 231.603	879.4	936.6	0.509059	mg/L
2	Pb 220.353	126.6	134.9	0.524397	mg/L
2	Sb 206.831	470.3	500.8	2.52838	mg/L
2	Se 196.026	380.2	404.9	2.50073	mg/L
2	Si 251.611	13137.9	13991.1	2.58301	mg/L
2	Sn 189.933	228.1	242.9	2.49478	mg/L
2	Sr 407.771	662310.5	705324.7	0.513150	mg/L
2	Ti 334.941	44763.7	47670.9	0.505509	mg/L
2	Tl 190.800	381.4	406.2	2.44418	mg/L
2	V 292.402	6877.2	7323.9	0.507143	mg/L
2	Zn 206.200	980.6	1044.3	0.486573	mg/L

Mean Data

ID: 0B03018-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: 2/3/10 1:04:45 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	390401.9	93.8	0.11	mg/L				0.11%
Y 360.064	236919.1	94.1	0.06	mg/L				0.07%
Ag 328.068	12838.6	0.517529	0.0008108	mg/L				0.16%
Al 396.140	19404.8	2.60806	0.007769	mg/L				0.30%
As 188.979	433.3	2.50492	0.022422	mg/L				0.90%

B 249.773	5106.2	0.487651	0.0038030	mg/L	0.78%
Ba 455.403	324764.7	0.514705	0.0026085	mg/L	0.51%
Be 234.861	4458.6	0.0495230	0.00036311	mg/L	0.73%
Ca 315.887	49065.1	4.99807	0.001148	mg/L	0.02%
Cd 214.438	3214.1	0.491794	0.0008682	mg/L	0.18%
Ce 413.765	-144.7	0.0175302	0.00384693	mg/L	21.94%
Co 228.616	1594.0	0.495525	0.0035051	mg/L	0.71%
Cr 205.560	601.5	0.500572	0.0066981	mg/L	1.34%
Cu 327.394	7252.7	0.509030	0.0056641	mg/L	1.11%
Fe 238.204	4584.3	0.505314	0.0000372	mg/L	0.01%
K 766.514	18681.8	5.19232	0.053494	mg/L	1.03%
Li 670.781	81557.5	0.512033	0.0022181	mg/L	0.43%
Mg 279.074	6213.1	5.03552	0.030561	mg/L	0.61%
Mn 257.610	37019.9	0.503944	0.0010410	mg/L	0.21%
Mo 202.031	335.0	0.499165	0.0037771	mg/L	0.76%
Na 589.594	79127.9	5.12117	0.027236	mg/L	0.53%
Ni 231.603	938.6	0.510246	0.0016789	mg/L	0.33%
Pb 220.353	130.7	0.508676	0.0222329	mg/L	4.37%
Sb 206.831	493.3	2.48955	0.054909	mg/L	2.21%
Se 196.026	408.4	2.52750	0.037857	mg/L	1.50%
Si 251.611	13881.2	2.56045	0.031900	mg/L	1.25%
Sn 189.933	241.1	2.47685	0.025356	mg/L	1.02%
Sr 407.771	702718.8	0.511245	0.0026935	mg/L	0.53%
Ti 334.941	47684.3	0.505656	0.0002078	mg/L	0.04%
Tl 190.800	412.6	2.48433	0.056773	mg/L	2.29%
V 292.402	7293.2	0.505110	0.0028756	mg/L	0.57%
Zn 206.200	1049.1	0.488837	0.0032019	mg/L	0.66%

Replicate Data

ID: 0B03018-CCB Date: 2/3/10 1:08:00 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	381693.4	381693.4	91.7	mg/L		
1	Y 360.064	231138.2	231138.2	91.8	mg/L		
1	Ag 328.068	-45.2	-49.3	-0.0001401	mg/L		
1	Al 396.140	-58.4	-63.6	-0.0059310	mg/L		
1	As 188.979	-1.7	-1.9	-0.0378367	mg/L		
1	B 249.773	139.1	151.7	0.0027875	mg/L		
1	Ba 455.403	7983.8	8703.3	-0.0009645	mg/L		
1	Be 234.861	95.3	103.9	0.0000761	mg/L		
1	Ca 315.887	-436.4	-475.8	-0.0279657	mg/L		
1	Cd 214.438	51.7	56.4	0.0009915	mg/L		
1	Ce 413.765	-128.1	-139.6	0.0182972	mg/L		
1	Co 228.616	11.3	12.3	0.0068331	mg/L		
1	Cr 205.560	57.6	62.8	0.0092053	mg/L		
1	Cu 327.394	-72.5	-79.0	-0.0074516	mg/L		
1	Fe 238.204	132.4	144.3	0.0014880	mg/L		
1	K 766.514	2170.3	2365.9	0.0610151	mg/L		
1	Li 670.781	265.0	288.9	-0.0017348	mg/L		
1	Mg 279.074	-40.9	-44.6	-0.0420182	mg/L		
1	Mn 257.610	-194.3	-211.8	-0.0013573	mg/L		
1	Mo 202.031	5.8	6.3	-0.0032387	mg/L		
1	Na 589.594	2793.6	3045.4	-0.0272763	mg/L		
1	Ni 231.603	98.0	106.8	0.0146502	mg/L		
1	Pb 220.353	-5.8	-6.4	-0.0110060	mg/L		
1	Sb 206.831	6.2	6.7	-0.0169552	mg/L		
1	Se 196.026	75.2	82.0	0.0443207	mg/L		
1	Si 251.611	1334.6	1454.9	0.0107256	mg/L		
1	Sn 189.933	-3.6	-4.0	-0.0321876	mg/L		
1	Sr 407.771	620.9	676.8	-0.0018580	mg/L		
1	Ti 334.941	1737.8	1894.4	0.0017869	mg/L		
1	Tl 190.800	13.0	14.1	-0.0096786	mg/L		
1	V 292.402	-257.1	-280.3	0.0029479	mg/L		
1	Zn 206.200	-8.9	-9.7	-0.0052049	mg/L		
2	Sc 357.253	379609.9	379609.9	91.2	mg/L		
2	Y 360.064	229904.2	229904.2	91.3	mg/L		
2	Ag 328.068	-29.2	-32.1	0.0005507	mg/L		
2	Al 396.140	-65.3	-71.5	-0.0069939	mg/L		
2	As 188.979	1.3	1.4	-0.0188884	mg/L		

2 B 249.773	136.8	150.0	0.0026203 mg/L
2 Ba 455.403	7799.7	8549.3	-0.0012157 mg/L
2 Be 234.861	85.4	93.6	-0.0000415 mg/L
2 Ca 315.887	-442.3	-484.8	-0.0288782 mg/L
2 Cd 214.438	42.9	47.0	-0.0004609 mg/L
2 Ce 413.765	-181.6	-199.0	0.0093252 mg/L
2 Co 228.616	0.9	1.0	0.0033246 mg/L
2 Cr 205.560	50.4	55.3	0.0023238 mg/L
2 Cu 327.394	-169.9	-186.2	-0.0150036 mg/L
2 Fe 238.204	138.6	151.9	0.0023449 mg/L
2 K 766.514	2137.8	2343.2	0.0538752 mg/L
2 Li 670.781	254.0	278.5	-0.0018008 mg/L
2 Mg 279.074	-61.0	-66.8	-0.0600211 mg/L
2 Mn 257.610	-214.3	-234.9	-0.0016713 mg/L
2 Mo 202.031	5.8	6.3	-0.0031944 mg/L
2 Na 589.594	2787.0	3054.8	-0.0266385 mg/L
2 Ni 231.603	96.1	105.3	0.0137797 mg/L
2 Pb 220.353	-6.2	-6.7	-0.0124022 mg/L
2 Sb 206.831	2.6	2.9	-0.0370404 mg/L
2 Se 196.026	72.2	79.1	0.0229632 mg/L
2 Si 251.611	1331.9	1459.9	0.0117514 mg/L
2 Sn 189.933	-3.0	-3.3	-0.0254709 mg/L
2 Sr 407.771	531.4	582.4	-0.0019270 mg/L
2 Ti 334.941	1572.4	1723.5	-0.0000935 mg/L
2 Tl 190.800	18.7	20.6	0.0305753 mg/L
2 V 292.402	-314.3	-344.5	-0.0013117 mg/L
2 Zn 206.200	-4.8	-5.2	-0.0031391 mg/L

Mean Data

ID: 0B03018-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: 2/3/10 1:08:00 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	380651.6	91.5	0.35	mg/L				0.39%
Y 360.064	230521.2	91.5	0.35	mg/L				0.38%
Ag 328.068	-40.7	0.0002053	0.00048852	mg/L				237.96%
Al 396.140	-67.6	-0.0064625	0.00075164	mg/L				11.63%
As 188.979	-0.3	-0.0283626	0.01339848	mg/L				47.24%
B 249.773	150.8	0.0027039	0.00011822	mg/L				4.37%
Ba 455.403	8626.3	-0.0010901	0.00017761	mg/L				16.29%
Be 234.861	98.7	0.0000173	0.00008316	mg/L				480.73%
Ca 315.887	-480.3	-0.0284220	0.00064521	mg/L				2.27%
~~Cd 214.438~~	~~51.7~~	~~0.0002653~~	~~0.00102701~~	~~mg/L~~				~~387.08%~~
Ce 413.765	-169.3	0.0138112	0.00634419	mg/L				45.94%
Co 228.616	6.6	0.0050788	0.00248089	mg/L				48.85%
Cr 205.560	59.0	0.0057645	0.00486596	mg/L				84.41%
Cu 327.394	-132.6	-0.0112276	0.00534003	mg/L				47.56%
*QC exceeds lower limit for Cu 327.394 Action = Continue								
Fe 238.204	148.1	0.0019164	0.00060589	mg/L				31.62%
K 766.514	2354.6	0.0574452	0.00504870	mg/L				8.79%
Li 670.781	283.7	-0.0017678	0.00004667	mg/L				2.64%
Mg 279.074	-55.7	-0.0510196	0.01272994	mg/L				24.95%
Mn 257.610	-223.3	-0.0015143	0.00022203	mg/L				14.66%
Mo 202.031	6.3	-0.0032165	0.00003135	mg/L				0.97%
Na 589.594	3050.1	-0.0269574	0.00045102	mg/L				1.67%
Ni 231.603	106.1	0.0142149	0.00061552	mg/L				4.33%
*QC exceeds upper limit for Ni 231.603 Action = Continue								
Pb 220.353	-6.6	-0.0117041	0.00098730	mg/L				8.44%
Sb 206.831	4.8	-0.0269978	0.01420241	mg/L				52.61%
Se 196.026	80.6	0.0336419	0.01510198	mg/L				44.89%
Si 251.611	1457.4	0.0112385	0.00072538	mg/L				6.45%
Sn 189.933	-3.6	-0.0288293	0.00474944	mg/L				16.47%
Sr 407.771	629.6	-0.0018925	0.00004879	mg/L				2.58%
Ti 334.941	1808.9	0.0008467	0.00132966	mg/L				157.04%
Tl 190.800	17.3	0.0104484	0.02846384	mg/L				272.42%
V 292.402	-312.4	0.0008181	0.00301200	mg/L				368.15%
Zn 206.200	-7.5	-0.0041720	0.00146070	mg/L				35.01%

Due 2/9
Calb 0B08010

TriMatrix Laboratories, Inc.

app KW 2-9-10

Metals Laboratory Instrument Run Sequence

Instrument #: 311
Date: 2/5/10
Analyst: JN

Data File: 0B020146(A)
Calibration BLK/ICB/CCB: 5%HNO3/1109060/10%HCL/4109080
Internal Standard #: 0010302

Autosampler Position:

1. BLK/CCB/9110900
2. STD 1/0010121
3. STD 2/0010122
4. STD3/CCV/0010123
5. STD4/0010124
9. Daily SCV/CCV1/9110901
10. CRL/9120871
11. IFA1/9120872
12. IFA2/0010509
13. IFB1/0010638
14. IFB2/0010510

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	BLK				35/51				
2/18	BS	#4			36/52				
3/19	MDL ✓ BI				37/53				
4/20	1000787-BLK1				38/54				
5/21	BS1				39/55				
6/22	1001350-01				40/56				
7/23	02				41/57				
8/24	03				42/58				
9/25	04				43/59				
10/26	05				44/60				
11/27	06				45/61				
12/28	07				46/62				
13/29	08				47/63				
14/30	09				48/64				
15/31	10				49/65				
16/32	11				50/66				
17/33	12				51/67				
18/34	13				52/68				
19/35	14				53/69				
20/36	15				54/70				
21/37	16				55/71				
22/38	MS1				56/72				
23/39	MSD1				57/73				
24/40	SRD1				58/74				
25/41	PS1				59/75				
26/42	-11	0.1	10	100X	60/76				
27/43	-16	0.05		200X	61/77				
28/44	SRD2	0.01		1000X	62/78				
29/45	PS2	0.05		200X	63/79				
30/46	16	1		10X	64/80				
31/47	SRD3	0.2		50X	65/81				
32/48	PS3	1		10X	66/82				
33/49					67/83				
34/50					68/84				

Analysis Begun

Start Time: 2/5/2010 11:10:07 AM
Logged In Analyst: analystME
Spectrometer Model: Optima 5300 DV, S/N 077C7032601
Plasma On Time: 2/5/2010 7:06:19 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\analystME\Sample Information\0B02016.sif
Batch ID:
Results Data Set: 0B02016A
Results Library: C:\pe\analystME\Results\Results.mdb

Method Loaded
Method Name: Solid_6010C_311
IEC File: iec-6.iec
Method Description: Solid_6010C
Method Last Saved: 2/2/2010 11:27:25 AM
MSF File:

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Ag 328.068	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Al 396.153	Lin, Calc Int	Peak Area	Radial	Y 360.076	Yes
As 188.979	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
B 249.677	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Ba 455.398	Lin, Calc Int	Peak Area	Radial	Y 360.076	Yes
Be 234.861	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Ca 315.887	Lin, Calc Int	Peak Area	Radial	Y 360.076	Yes
Cd 214.437	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Ce 413.764	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Co 228.616	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Cr 205.557	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Cu 327.397	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Fe 238.204	Lin, Calc Int	Peak Area	Radial	Y 360.076	Yes
K 766.490	Lin, Calc Int	Peak Area	Radial	None	Yes
Li 670.784	Lin, Calc Int	Peak Area	Radial	Y 360.076	Yes
Mg 279.071	Lin, Calc Int	Peak Area	Radial	Y 360.076	Yes
Mn 257.610	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Mo 202.031	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Na 589.592	Lin, Calc Int	Peak Area	Radial	Y 360.076	Yes
Ni 231.604	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Pb 220.353	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Sb 217.584	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Sc 357.234	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Se 196.026	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Si 251.611	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Sn 189.927	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Sr 407.771	Lin, Calc Int	Peak Area	Radial	Y 360.076	Yes
Ti 334.940	Lin, Calc Int	Peak Area	Radial	Y 360.076	Yes
Tl 190.801	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
V 292.395	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Y 360.076	Lin, Calc Int	Peak Area	Radial	n/a	n/a
Zn 206.200	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes

Sequence No.: 1
Sample ID: 0B02016-CAL1
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 2/5/2010 11:10:08 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B02016-CAL1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Y 360.076	142538.6	142538.6	99.4950	%	11:11:13
1	Al 396.153†	160.2	161.0	[0.00]	mg/L	11:11:13
1	Ba 455.398†	-12.7	-12.7	[0.00]	mg/L	11:11:13
1	Ca 315.887†	133.0	133.6	[0.00]	mg/L	11:11:33
1	Fe 238.204†	42.4	42.6	[0.00]	mg/L	11:11:33
1	K 766.490	8.0	8.0	[0.00]	mg/L	11:11:13
1	Li 670.784†	-26.8	-26.9	[0.00]	mg/L	11:11:13

1	Mg 279.071†	14.6	14.7	[0.00] mg/L	11:11:33
1	Na 589.592†	902.1	906.7	[0.00] mg/L	11:11:13
1	Sr 407.771†	717.2	720.8	[0.00] mg/L	11:11:13
1	Ti 334.940†	-1.1	-1.1	[0.00] mg/L	11:11:33
1	Sc 357.234	201313.1	201313.1	99.6779 %	11:12:04
1	Ag 328.068†	54.4	54.6	[0.00] mg/L	11:12:04
1	As 188.979†	-29.0	-29.1	[0.00] mg/L	11:12:24
1	B 249.677†	802.8	805.4	[0.00] mg/L	11:12:24
1	Be 234.861†	-846.2	-848.9	[0.00] mg/L	11:12:24
1	Cd 214.437†	212.2	212.9	[0.00] mg/L	11:12:24
1	Ce 413.764†	427.8	429.2	[0.00] mg/L	11:12:04
1	Co 228.616†	-78.2	-78.5	[0.00] mg/L	11:12:24
1	Cr 205.557†	-32.4	-32.5	[0.00] mg/L	11:12:24
1	Cu 327.397†	164.4	165.0	[0.00] mg/L	11:12:04
1	Mn 257.610†	238.5	239.3	[0.00] mg/L	11:12:24
1	Mo 202.031†	88.9	89.2	[0.00] mg/L	11:12:24
1	Ni 231.604†	455.8	457.2	[0.00] mg/L	11:12:24
1	Pb 220.353†	-27.1	-27.2	[0.00] mg/L	11:12:24
1	Sb 217.584†	-52.5	-52.7	[0.00] mg/L	11:12:24
1	Se 196.026†	-41.4	-41.6	[0.00] mg/L	11:12:24
1	Si 251.611†	279.4	280.3	[0.00] mg/L	11:12:24
1	Sn 189.927†	12.0	12.0	[0.00] mg/L	11:12:24
1	Tl 190.801†	-44.1	-44.3	[0.00] mg/L	11:12:24
1	V 292.395†	-1134.2	-1137.9	[0.00] mg/L	11:12:04
1	Zn 206.200†	-77.5	-77.8	[0.00] mg/L	11:12:24
2	Y 360.076	143985.6	143985.6	100.505 %	11:11:38
2	Al 396.153†	187.8	186.8	[0.00] mg/L	11:11:38
2	Ba 455.398†	26.1	25.9	[0.00] mg/L	11:11:38
2	Ca 315.887†	130.2	129.6	[0.00] mg/L	11:11:58
2	Fe 238.204†	43.8	43.6	[0.00] mg/L	11:11:58
2	K 766.490	18.3	18.3	[0.00] mg/L	11:11:38
2	Li 670.784†	0.3	0.3	[0.00] mg/L	11:11:38
2	Mg 279.071†	15.6	15.5	[0.00] mg/L	11:11:58
2	Na 589.592†	915.0	910.4	[0.00] mg/L	11:11:38
2	Sr 407.771†	772.9	769.0	[0.00] mg/L	11:11:38
2	Ti 334.940†	-8.7	-8.6	[0.00] mg/L	11:11:58
2	Sc 357.234	202614.1	202614.1	100.322 %	11:12:29
2	Ag 328.068†	74.3	74.0	[0.00] mg/L	11:12:29
2	As 188.979†	-27.5	-27.4	[0.00] mg/L	11:12:50
2	B 249.677†	812.0	809.4	[0.00] mg/L	11:12:50
2	Be 234.861†	-823.5	-820.8	[0.00] mg/L	11:12:50
2	Cd 214.437†	213.7	213.0	[0.00] mg/L	11:12:50
2	Ce 413.764†	383.0	381.8	[0.00] mg/L	11:12:29
2	Co 228.616†	-76.4	-76.2	[0.00] mg/L	11:12:50
2	Cr 205.557†	-23.3	-23.2	[0.00] mg/L	11:12:50
2	Cu 327.397†	189.5	188.8	[0.00] mg/L	11:12:29
2	Mn 257.610†	235.8	235.0	[0.00] mg/L	11:12:50
2	Mo 202.031†	87.4	87.2	[0.00] mg/L	11:12:50
2	Ni 231.604†	423.3	421.9	[0.00] mg/L	11:12:50
2	Pb 220.353†	-28.0	-27.9	[0.00] mg/L	11:12:50
2	Sb 217.584†	-43.4	-43.2	[0.00] mg/L	11:12:50
2	Se 196.026†	-37.8	-37.7	[0.00] mg/L	11:12:50
2	Si 251.611†	280.0	279.1	[0.00] mg/L	11:12:50
2	Sn 189.927†	23.4	23.3	[0.00] mg/L	11:12:50
2	Tl 190.801†	-47.3	-47.2	[0.00] mg/L	11:12:50
2	V 292.395†	-1142.5	-1138.8	[0.00] mg/L	11:12:29
2	Zn 206.200†	-67.9	-67.7	[0.00] mg/L	11:12:50

Mean Data: 0B02016-CAL1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	201963.6	920.00	0.46%	100.000	%
Y 360.076	143262.1	1023.19	0.71%	100.000	%
Ag 328.068†	64.3	13.77	21.41%	[0.00]	mg/L
Al 396.153†	173.9	18.27	10.51%	[0.00]	mg/L
As 188.979†	-28.2	1.19	4.20%	[0.00]	mg/L
B 249.677†	807.4	2.82	0.35%	[0.00]	mg/L
Ba 455.398†	6.6	27.34	414.17%	[0.00]	mg/L
Be 234.861†	-834.9	19.88	2.38%	[0.00]	mg/L
Ca 315.887†	131.6	2.86	2.17%	[0.00]	mg/L

Cd 214.437†	213.0	0.04	0.02%	[0.00] mg/L
Ce 413.764†	405.5	33.50	8.26%	[0.00] mg/L
Co 228.616†	-77.3	1.63	2.11%	[0.00] mg/L
Cr 205.557†	-27.8	6.53	23.46%	[0.00] mg/L
Cu 327.397†	176.9	16.89	9.55%	[0.00] mg/L
Fe 238.204†	43.1	0.67	1.56%	[0.00] mg/L
K 766.490	13.2	7.30	55.41%	[0.00] mg/L
Li 670.784†	-13.3	19.22	144.59%	[0.00] mg/L
Mg 279.071†	15.1	0.59	3.92%	[0.00] mg/L
Mn 257.610†	237.2	3.01	1.27%	[0.00] mg/L
Mo 202.031†	88.2	1.42	1.61%	[0.00] mg/L
Na 589.592†	908.6	2.67	0.29%	[0.00] mg/L
Ni 231.604†	439.6	24.95	5.67%	[0.00] mg/L
Pb 220.353†	-27.6	0.50	1.83%	[0.00] mg/L
Sb 217.584†	-48.0	6.68	13.92%	[0.00] mg/L
Se 196.026†	-39.6	2.77	6.99%	[0.00] mg/L
Si 251.611†	279.7	0.86	0.31%	[0.00] mg/L
Sn 189.927†	17.6	7.99	45.26%	[0.00] mg/L
Sr 407.771†	744.9	34.06	4.57%	[0.00] mg/L
Ti 334.940†	-4.9	5.31	108.85%	[0.00] mg/L
Tl 190.801†	-45.7	2.05	4.49%	[0.00] mg/L
V 292.395†	-1138.4	0.70	0.06%	[0.00] mg/L
Zn 206.200†	-72.7	7.13	9.80%	[0.00] mg/L

Sequence No.: 2 **Autosampler Location: 2**
Sample ID: 0B02016-CAL2 **Date Collected: 2/5/2010 11:14:02 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0B02016-CAL2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Y 360.076	145122.2	145122.2	101.298	%	11:15:07
1	Al 396.153†	403.3	224.2	[0.050]	mg/L	11:15:07
1	Ba 455.398†	2840.7	2797.7	[0.010]	mg/L	11:15:07
1	Ca 315.887†	815.0	673.0	[0.500]	mg/L	11:15:27
1	Fe 238.204†	67.0	23.1	[0.010]	mg/L	11:15:27
1	K 766.490	68.0	54.8	[0.100]	mg/L	11:15:07
1	Li 670.784†	259.2	269.1	[0.0080]	mg/L	11:15:07
1	Mg 279.071†	234.8	216.7	[0.500]	mg/L	11:15:27
1	Na 589.592†	4216.3	3253.7	[0.500]	mg/L	11:15:07
1	Sr 407.771†	38133.6	36899.9	[0.050]	mg/L	11:15:07
1	Sc 357.234	204698.2	204698.2	101.354	%	11:15:59
1	Ag 328.068†	384.2	314.7	[0.005]	mg/L	11:15:59
1	As 188.979†	33.1	60.9	[0.100]	mg/L	11:16:19
1	B 249.677†	1825.6	993.8	[0.050]	mg/L	11:16:19
1	Be 234.861†	-634.1	209.3	[0.0010]	mg/L	11:16:19
1	Cd 214.437†	325.2	107.9	[0.0050]	mg/L	11:16:19
1	Co 228.616†	-18.8	58.8	[0.010]	mg/L	11:16:19
1	Cr 205.557†	85.2	111.9	[0.010]	mg/L	11:16:19
1	Cu 327.397†	847.6	659.3	[0.010]	mg/L	11:15:59
1	Mn 257.610†	1574.4	1316.2	[0.010]	mg/L	11:16:19
1	Ni 231.604†	549.4	102.5	[0.010]	mg/L	11:16:19
1	Pb 220.353†	52.9	79.8	[0.050]	mg/L	11:16:19
1	Sb 217.584†	79.2	126.1	[0.100]	mg/L	11:16:19
1	Se 196.026†	1.6	41.2	[0.100]	mg/L	11:16:19
1	Si 251.611†	1528.2	1228.1	[0.100]	mg/L	11:16:19
1	Sn 189.927†	206.7	186.3	[0.100]	mg/L	11:16:19
1	Tl 190.801†	22.4	67.9	[0.100]	mg/L	11:16:19
1	V 292.395†	-760.8	387.7	[0.010]	mg/L	11:16:19
1	Zn 206.200†	17.9	90.4	[0.010]	mg/L	11:16:19
2	Y 360.076	144579.3	144579.3	100.919	%	11:15:32
2	Al 396.153†	421.0	243.2	[0.050]	mg/L	11:15:32
2	Ba 455.398†	2873.3	2840.5	[0.010]	mg/L	11:15:32
2	Ca 315.887†	814.5	675.4	[0.500]	mg/L	11:15:52
2	Fe 238.204†	63.5	19.8	[0.010]	mg/L	11:15:52
2	K 766.490	88.6	75.4	[0.100]	mg/L	11:15:32
2	Li 670.784†	245.8	256.8	[0.0080]	mg/L	11:15:32

2	Mg 279.071†	241.1	223.8	[0.500] mg/L	11:15:52
2	Na 589.592†	4273.7	3326.2	[0.500] mg/L	11:15:32
2	Sr 407.771†	38171.9	37079.2	[0.050] mg/L	11:15:32
2	Sc 357.234	205716.4	205716.4	101.858 %	11:16:24
2	Ag 328.068†	313.4	243.3	[0.005] mg/L	11:16:24
2	As 188.979†	24.7	52.5	[0.100] mg/L	11:16:44
2	B 249.677†	1843.0	1001.9	[0.050] mg/L	11:16:44
2	Be 234.861†	-635.8	210.7	[0.0010] mg/L	11:16:44
2	Cd 214.437†	325.0	106.1	[0.0050] mg/L	11:16:44
2	Co 228.616†	-29.7	48.2	[0.010] mg/L	11:16:44
2	Cr 205.557†	81.6	108.0	[0.010] mg/L	11:16:44
2	Cu 327.397†	839.2	647.0	[0.010] mg/L	11:16:24
2	Mn 257.610†	1572.7	1306.9	[0.010] mg/L	11:16:44
2	Ni 231.604†	539.4	90.0	[0.010] mg/L	11:16:44
2	Pb 220.353†	61.7	88.2	[0.050] mg/L	11:16:44
2	Sb 217.584†	82.1	128.6	[0.100] mg/L	11:16:44
2	Se 196.026†	8.7	48.2	[0.100] mg/L	11:16:44
2	Si 251.611†	1521.7	1214.2	[0.100] mg/L	11:16:44
2	Sn 189.927†	201.3	180.0	[0.100] mg/L	11:16:44
2	Tl 190.801†	21.5	66.8	[0.100] mg/L	11:16:44
2	V 292.395†	-753.4	398.7	[0.010] mg/L	11:16:44
2	Zn 206.200†	14.2	86.7	[0.010] mg/L	11:16:44

Mean Data: 0B02016-CAL2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	205207.3	719.97	0.35%	101.606	%
Y 360.076	144850.7	383.94	0.27%	101.109	%
Ag 328.068†	279.0	50.47	18.09%	[0.005]	mg/L
Al 396.153†	233.7	13.45	5.75%	[0.050]	mg/L
As 188.979†	56.7	5.95	10.49%	[0.100]	mg/L
B 249.677†	997.9	5.75	0.58%	[0.050]	mg/L
Ba 455.398†	2819.1	30.30	1.07%	[0.010]	mg/L
Be 234.861†	210.0	0.99	0.47%	[0.0010]	mg/L
Ca 315.887†	674.2	1.75	0.26%	[0.500]	mg/L
Cd 214.437†	107.0	1.24	1.16%	[0.0050]	mg/L
Co 228.616†	53.5	7.52	14.06%	[0.010]	mg/L
Cr 205.557†	109.9	2.80	2.55%	[0.010]	mg/L
Cu 327.397†	653.2	8.71	1.33%	[0.010]	mg/L
Fe 238.204†	21.4	2.34	10.93%	[0.010]	mg/L
K 766.490	65.1	14.55	22.34%	[0.100]	mg/L
Li 670.784†	263.0	8.70	3.31%	[0.0080]	mg/L
Mg 279.071†	220.3	5.07	2.30%	[0.500]	mg/L
Mn 257.610†	1311.5	6.58	0.50%	[0.010]	mg/L
Na 589.592†	3289.9	51.28	1.56%	[0.500]	mg/L
Ni 231.604†	96.2	8.86	9.20%	[0.010]	mg/L
Pb 220.353†	84.0	5.96	7.09%	[0.050]	mg/L
Sb 217.584†	127.3	1.76	1.38%	[0.100]	mg/L
Se 196.026†	44.7	4.92	11.02%	[0.100]	mg/L
Si 251.611†	1221.2	9.84	0.81%	[0.100]	mg/L
Sn 189.927†	183.2	4.47	2.44%	[0.100]	mg/L
Sr 407.771†	36989.5	126.81	0.34%	[0.050]	mg/L
Tl 190.801†	67.3	0.77	1.14%	[0.100]	mg/L
V 292.395†	393.2	7.74	1.97%	[0.010]	mg/L
Zn 206.200†	88.6	2.63	2.97%	[0.010]	mg/L

==========

Sequence No.: 3 **Autosampler Location: 3**
Sample ID: 0B02016-CAL3 **Date Collected: 2/5/2010 11:17:57 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0B02016-CAL3

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Y 360.076	146414.5	146414.5	102.200	%	11:19:02
1	Al 396.153†	1738.7	1527.4	[0.50]	mg/L	11:19:22
1	Ba 455.398†	29050.3	28418.3	[0.100]	mg/L	11:19:02

1	Ca 315.887†	1507.4	1343.3	[1.000] mg/L	11:19:22
1	Fe 238.204†	259.1	210.4	[0.100] mg/L	11:19:22
1	K 766.490	648.1	634.9	[1.000] mg/L	11:19:02
1	Li 670.784†	3495.0	3433.0	[0.100] mg/L	11:19:02
1	Mg 279.071†	464.7	439.6	[1.000] mg/L	11:19:22
1	Na 589.592†	7576.3	6504.6	[1.000] mg/L	11:19:02
1	Sr 407.771†	77317.1	74907.5	[0.100] mg/L	11:19:02
1	Ti 334.940†	1400.3	1375.0	[0.100] mg/L	11:19:22
1	Sc 357.234	206917.8	206917.8	102.453 %	11:19:53
1	Ag 328.068†	6190.0	5977.5	[0.100] mg/L	11:19:53
1	As 188.979†	289.0	310.4	[0.500] mg/L	11:20:13
1	B 249.677†	2529.7	1661.7	[0.100] mg/L	11:20:13
1	Be 234.861†	1095.3	1904.0	[0.010] mg/L	11:20:13
1	Cd 214.437†	2536.7	2263.0	[0.100] mg/L	11:20:13
1	Co 228.616†	483.3	549.1	[0.100] mg/L	11:20:13
1	Cr 205.557†	1039.4	1042.4	[0.100] mg/L	11:20:13
1	Cu 327.397†	3498.3	3237.7	[0.100] mg/L	11:19:53
1	Mn 257.610†	13603.4	13040.6	[0.100] mg/L	11:19:53
1	Mo 202.031†	823.8	715.9	[0.100] mg/L	11:20:13
1	Ni 231.604†	1568.9	1091.8	[0.100] mg/L	11:20:13
1	Pb 220.353†	149.3	173.3	[0.100] mg/L	11:20:13
1	Sb 217.584†	580.6	614.7	[0.500] mg/L	11:20:13
1	Se 196.026†	204.4	239.1	[0.500] mg/L	11:20:13
1	Si 251.611†	5626.1	5211.7	[0.500] mg/L	11:20:13
1	Sn 189.927†	966.6	925.8	[0.500] mg/L	11:20:13
1	Tl 190.801†	320.5	358.5	[0.500] mg/L	11:20:13
1	V 292.395†	3235.5	4296.4	[0.100] mg/L	11:20:13
1	Zn 206.200†	784.8	838.8	[0.100] mg/L	11:20:13
2	Y 360.076	143921.5	143921.5	100.460 %	11:19:27
2	Al 396.153†	1757.9	1575.9	[0.50] mg/L	11:19:47
2	Ba 455.398†	28895.6	28756.6	[0.100] mg/L	11:19:27
2	Ca 315.887†	1517.4	1378.8	[1.000] mg/L	11:19:47
2	Fe 238.204†	253.3	209.1	[0.100] mg/L	11:19:47
2	K 766.490	648.7	635.5	[1.000] mg/L	11:19:27
2	Li 670.784†	3503.8	3501.0	[0.100] mg/L	11:19:27
2	Mg 279.071†	477.1	459.8	[1.000] mg/L	11:19:47
2	Na 589.592†	7463.5	6520.7	[1.000] mg/L	11:19:27
2	Sr 407.771†	77011.9	75914.2	[0.100] mg/L	11:19:27
2	Ti 334.940†	1398.1	1396.6	[0.100] mg/L	11:19:47
2	Sc 357.234	205965.7	205965.7	101.982 %	11:20:18
2	Ag 328.068†	6150.7	5966.9	[0.100] mg/L	11:20:18
2	As 188.979†	280.5	303.3	[0.500] mg/L	11:20:39
2	B 249.677†	2522.7	1666.3	[0.100] mg/L	11:20:39
2	Be 234.861†	1079.3	1893.3	[0.010] mg/L	11:20:39
2	Cd 214.437†	2525.3	2263.3	[0.100] mg/L	11:20:39
2	Co 228.616†	477.9	546.0	[0.100] mg/L	11:20:39
2	Cr 205.557†	1029.8	1037.7	[0.100] mg/L	11:20:39
2	Cu 327.397†	3506.8	3261.8	[0.100] mg/L	11:20:18
2	Mn 257.610†	13551.4	13050.9	[0.100] mg/L	11:20:18
2	Mo 202.031†	827.6	723.4	[0.100] mg/L	11:20:39
2	Ni 231.604†	1553.3	1083.6	[0.100] mg/L	11:20:39
2	Pb 220.353†	147.2	172.0	[0.100] mg/L	11:20:39
2	Sb 217.584†	572.0	608.9	[0.500] mg/L	11:20:39
2	Se 196.026†	204.1	239.7	[0.500] mg/L	11:20:39
2	Si 251.611†	5591.3	5203.0	[0.500] mg/L	11:20:39
2	Sn 189.927†	957.1	920.9	[0.500] mg/L	11:20:39
2	Tl 190.801†	321.4	360.9	[0.500] mg/L	11:20:39
2	V 292.395†	3213.1	4289.1	[0.100] mg/L	11:20:39
2	Zn 206.200†	771.3	829.1	[0.100] mg/L	11:20:39

Mean Data: 0B02016-CAL3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	206441.7	673.25	0.33%	102.217	%
Y 360.076	145168.0	1762.82	1.21%	101.330	%
Ag 328.068†	5972.2	7.49	0.13%	[0.100]	mg/L
Al 396.153†	1551.7	34.29	2.21%	[0.50]	mg/L
As 188.979†	306.8	5.03	1.64%	[0.500]	mg/L
B 249.677†	1664.0	3.23	0.19%	[0.100]	mg/L
Ba 455.398†	28587.4	239.23	0.84%	[0.100]	mg/L

Be 234.861†	1898.6	7.59	0.40%	[0.010] mg/L
Ca 315.887†	1361.1	25.09	1.84%	[1.000] mg/L
Cd 214.437†	2263.2	0.17	0.01%	[0.100] mg/L
Co 228.616†	547.5	2.19	0.40%	[0.100] mg/L
Cr 205.557†	1040.0	3.34	0.32%	[0.100] mg/L
Cu 327.397†	3249.7	17.06	0.52%	[0.100] mg/L
Fe 238.204†	209.7	0.92	0.44%	[0.100] mg/L
K 766.490	635.2	0.44	0.07%	[1.000] mg/L
Li 670.784†	3467.0	48.07	1.39%	[0.100] mg/L
Mg 279.071†	449.7	14.29	3.18%	[1.000] mg/L
Mn 257.610†	13045.7	7.30	0.06%	[0.100] mg/L
Mo 202.031†	719.6	5.32	0.74%	[0.100] mg/L
Na 589.592†	6512.7	11.42	0.18%	[1.000] mg/L
Ni 231.604†	1087.7	5.81	0.53%	[0.100] mg/L
Pb 220.353†	172.6	0.93	0.54%	[0.100] mg/L
Sb 217.584†	611.8	4.08	0.67%	[0.500] mg/L
Se 196.026†	239.4	0.41	0.17%	[0.500] mg/L
Si 251.611†	5207.3	6.16	0.12%	[0.500] mg/L
Sn 189.927†	923.4	3.49	0.38%	[0.500] mg/L
Sr 407.771†	75410.8	711.87	0.94%	[0.100] mg/L
Ti 334.940†	1385.8	15.25	1.10%	[0.100] mg/L
Tl 190.801†	359.7	1.70	0.47%	[0.500] mg/L
V 292.395†	4292.7	5.18	0.12%	[0.100] mg/L
Zn 206.200†	833.9	6.86	0.82%	[0.100] mg/L

Sequence No.: 4
Sample ID: 0B02016-CAL4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 2/5/2010 11:21:52 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B02016-CAL4

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Y 360.076	145264.5	145264.5	101.398	%	11:22:58
1	Al 396.153†	7787.1	7505.9	[2.50]	mg/L	11:23:18
1	Ba 455.398†	141678.8	139719.2	[0.500]	mg/L	11:22:58
1	Ca 315.887†	6877.8	6651.4	[5.000]	mg/L	11:23:18
1	Fe 238.204†	1111.6	1053.2	[0.500]	mg/L	11:23:18
1	K 766.490	3139.7	3126.6	[5.000]	mg/L	11:23:18
1	Li 670.784†	17196.3	16972.5	[0.500]	mg/L	11:22:58
1	Mg 279.071†	2221.2	2175.5	[5.000]	mg/L	11:23:18
1	Na 589.592†	33402.3	32033.3	[5.000]	mg/L	11:22:58
1	Sr 407.771†	373917.1	368017.9	[0.500]	mg/L	11:22:58
1	Ti 334.940†	7057.4	6965.0	[0.500]	mg/L	11:23:18
1	Sc 357.234	207933.6	207933.6	102.956	%	11:23:49
1	Ag 328.068†	30735.0	29788.3	[0.500]	mg/L	11:23:49
1	As 188.979†	1505.3	1490.3	[2.500]	mg/L	11:24:10
1	B 249.677†	8968.1	7903.2	[0.500]	mg/L	11:23:49
1	Be 234.861†	8543.6	9133.2	[0.050]	mg/L	11:24:10
1	Cd 214.437†	11549.9	11005.3	[0.500]	mg/L	11:24:10
1	Co 228.616†	2700.4	2700.2	[0.500]	mg/L	11:24:10
1	Cr 205.557†	5219.2	5097.2	[0.500]	mg/L	11:24:10
1	Cu 327.397†	16606.0	15952.4	[0.500]	mg/L	11:23:49
1	Mn 257.610†	66132.6	63996.7	[0.500]	mg/L	11:23:49
1	Mo 202.031†	3771.4	3574.9	[0.500]	mg/L	11:24:10
1	Ni 231.604†	5956.9	5346.3	[0.500]	mg/L	11:24:10
1	Pb 220.353†	852.6	855.7	[0.500]	mg/L	11:24:10
1	Sb 217.584†	3071.2	3030.9	[2.500]	mg/L	11:24:10
1	Se 196.026†	1170.3	1176.3	[2.500]	mg/L	11:24:10
1	Si 251.611†	26849.6	25799.1	[2.500]	mg/L	11:23:49
1	Sn 189.927†	4761.9	4607.5	[2.500]	mg/L	11:24:10
1	Tl 190.801†	1762.2	1757.3	[2.500]	mg/L	11:24:10
1	V 292.395†	20524.3	21073.4	[0.500]	mg/L	11:23:49
1	Zn 206.200†	4097.2	4052.4	[0.500]	mg/L	11:24:10
2	Y 360.076	145142.5	145142.5	101.313	%	11:23:23
2	Al 396.153†	7859.9	7584.2	[2.50]	mg/L	11:23:43
2	Ba 455.398†	142289.2	140439.1	[0.500]	mg/L	11:23:23
2	Ca 315.887†	6963.2	6741.3	[5.000]	mg/L	11:23:43

2	Fe 238.204†	1115.8	1058.2	[0.500] mg/L	11:23:43
2	K 766.490	3165.9	3152.7	[5.000] mg/L	11:23:43
2	Li 670.784†	17240.2	17030.1	[0.500] mg/L	11:23:23
2	Mg 279.071†	2241.7	2197.5	[5.000] mg/L	11:23:43
2	Na 589.592†	33530.0	32187.0	[5.000] mg/L	11:23:23
2	Sr 407.771†	375730.8	370118.0	[0.500] mg/L	11:23:23
2	Ti 334.940†	7125.6	7038.2	[0.500] mg/L	11:23:43
2	Sc 357.234	205489.0	205489.0	101.746 %	11:24:15
2	Ag 328.068†	30632.8	30042.9	[0.500] mg/L	11:24:15
2	As 188.979†	1507.2	1509.6	[2.500] mg/L	11:24:35
2	B 249.677†	8999.1	8037.3	[0.500] mg/L	11:24:15
2	Be 234.861†	8583.1	9270.7	[0.050] mg/L	11:24:35
2	Cd 214.437†	11617.8	11205.5	[0.500] mg/L	11:24:35
2	Co 228.616†	2718.6	2749.3	[0.500] mg/L	11:24:35
2	Cr 205.557†	5247.8	5185.6	[0.500] mg/L	11:24:35
2	Cu 327.397†	16543.0	16082.3	[0.500] mg/L	11:24:15
2	Mn 257.610†	66047.1	64676.8	[0.500] mg/L	11:24:15
2	Mo 202.031†	3783.0	3629.9	[0.500] mg/L	11:24:35
2	Ni 231.604†	5998.4	5455.9	[0.500] mg/L	11:24:35
2	Pb 220.353†	842.1	855.2	[0.500] mg/L	11:24:35
2	Sb 217.584†	3095.1	3090.0	[2.500] mg/L	11:24:35
2	Se 196.026†	1172.9	1192.4	[2.500] mg/L	11:24:35
2	Si 251.611†	26788.6	26049.4	[2.500] mg/L	11:24:15
2	Sn 189.927†	4789.9	4690.0	[2.500] mg/L	11:24:35
2	Tl 190.801†	1782.5	1797.6	[2.500] mg/L	11:24:35
2	V 292.395†	20546.0	21331.9	[0.500] mg/L	11:24:15
2	Zn 206.200†	4104.4	4106.7	[0.500] mg/L	11:24:35

Mean Data: 0B02016-CAL4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	206711.3	1728.58	0.84%	102.351	%
Y 360.076	145203.5	86.23	0.06%	101.355	%
Ag 328.068†	29915.6	180.05	0.60%	[0.500]	mg/L
Al 396.153†	7545.0	55.34	0.73%	[2.50]	mg/L
As 188.979†	1500.0	13.63	0.91%	[2.500]	mg/L
B 249.677†	7970.2	94.79	1.19%	[0.500]	mg/L
Ba 455.398†	140079.2	509.05	0.36%	[0.500]	mg/L
Be 234.861†	9201.9	97.25	1.06%	[0.050]	mg/L
Ca 315.887†	6696.4	63.59	0.95%	[5.000]	mg/L
Cd 214.437†	11105.4	141.56	1.27%	[0.500]	mg/L
Co 228.616†	2724.7	34.69	1.27%	[0.500]	mg/L
Cr 205.557†	5141.4	62.49	1.22%	[0.500]	mg/L
Cu 327.397†	16017.3	91.87	0.57%	[0.500]	mg/L
Fe 238.204†	1055.7	3.59	0.34%	[0.500]	mg/L
K 766.490	3139.6	18.48	0.59%	[5.000]	mg/L
Li 670.784†	17001.3	40.73	0.24%	[0.500]	mg/L
Mg 279.071†	2186.5	15.60	0.71%	[5.000]	mg/L
Mn 257.610†	64336.7	480.93	0.75%	[0.500]	mg/L
Mo 202.031†	3602.4	38.85	1.08%	[0.500]	mg/L
Na 589.592†	32110.2	108.66	0.34%	[5.000]	mg/L
Ni 231.604†	5401.1	77.51	1.44%	[0.500]	mg/L
Pb 220.353†	855.5	0.34	0.04%	[0.500]	mg/L
Sb 217.584†	3060.5	41.75	1.36%	[2.500]	mg/L
Se 196.026†	1184.3	11.39	0.96%	[2.500]	mg/L
Si 251.611†	25924.2	176.97	0.68%	[2.500]	mg/L
Sn 189.927†	4648.8	58.36	1.26%	[2.500]	mg/L
Sr 407.771†	369068.0	1484.96	0.40%	[0.500]	mg/L
Ti 334.940†	7001.6	51.76	0.74%	[0.500]	mg/L
Tl 190.801†	1777.5	28.52	1.60%	[2.500]	mg/L
V 292.395†	21202.7	182.76	0.86%	[0.500]	mg/L
Zn 206.200†	4079.5	38.45	0.94%	[0.500]	mg/L

Sequence No.: 5
Sample ID: 0B02016-CAL5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 2/5/2010 11:25:48 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B02016-CAL5

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Y 360.076	145363.1	145363.1	101.467	%	11:26:55
1	Al 396.153†	15255.6	14861.2	[5.00]	mg/L	11:27:15
1	Ba 455.398†	282696.3	278603.8	[1.000]	mg/L	11:26:55
1	Ca 315.887†	13636.8	13308.1	[10.00]	mg/L	11:27:15
1	Fe 238.204†	2170.2	2095.7	[1.000]	mg/L	11:27:15
1	K 766.490	6213.6	6200.4	[10.000]	mg/L	11:27:15
1	Li 670.784†	34208.3	33727.2	[1.000]	mg/L	11:26:55
1	Mg 279.071†	4408.4	4329.5	[10.000]	mg/L	11:27:15
1	Na 589.592†	65864.9	64004.4	[10.000]	mg/L	11:26:55
1	Sr 407.771†	745786.9	734262.9	[1.000]	mg/L	11:26:55
1	Ti 334.940†	14173.5	13973.5	[1.000]	mg/L	11:27:15
1	Sc 357.234	207501.1	207501.1	102.742	%	11:27:46
1	Ag 328.068†	61870.4	60154.9	[1.000]	mg/L	11:27:46
1	As 188.979†	3024.0	2971.5	[5.000]	mg/L	11:28:07
1	B 249.677†	17690.9	16411.4	[1.000]	mg/L	11:28:07
1	Be 234.861†	18021.1	18375.0	[0.100]	mg/L	11:28:07
1	Cd 214.437†	22917.0	22092.5	[1.000]	mg/L	11:28:07
1	Ce 413.764†	34576.4	33248.2	[1.000]	mg/L	11:27:46
1	Co 228.616†	5481.5	5412.5	[1.000]	mg/L	11:28:07
1	Cr 205.557†	10431.0	10180.4	[1.000]	mg/L	11:28:07
1	Cu 327.397†	33105.7	32045.3	[1.000]	mg/L	11:27:46
1	Mn 257.610†	131802.6	128048.0	[1.000]	mg/L	11:27:46
1	Mo 202.031†	7454.2	7167.1	[1.000]	mg/L	11:28:07
1	Ni 231.604†	11456.3	10710.9	[1.000]	mg/L	11:28:07
1	Pb 220.353†	1715.0	1696.8	[1.000]	mg/L	11:28:07
1	Sb 217.584†	6196.5	6079.1	[5.000]	mg/L	11:28:07
1	Se 196.026†	2380.2	2356.3	[5.000]	mg/L	11:28:07
1	Si 251.611†	53095.9	51399.2	[5.000]	mg/L	11:27:46
1	Sn 189.927†	9562.3	9289.4	[5.000]	mg/L	11:28:07
1	Tl 190.801†	3602.1	3551.7	[5.000]	mg/L	11:28:07
1	V 292.395†	42204.2	42216.3	[1.000]	mg/L	11:27:46
1	Zn 206.200†	8230.8	8083.9	[1.000]	mg/L	11:28:07
2	Y 360.076	145523.2	145523.2	101.578	%	11:27:20
2	Al 396.153†	15294.4	14882.9	[5.00]	mg/L	11:27:40
2	Ba 455.398†	283741.8	279326.6	[1.000]	mg/L	11:27:20
2	Ca 315.887†	13651.8	13308.1	[10.00]	mg/L	11:27:40
2	Fe 238.204†	2169.6	2092.8	[1.000]	mg/L	11:27:40
2	K 766.490	6235.9	6222.7	[10.000]	mg/L	11:27:40
2	Li 670.784†	34375.7	33854.9	[1.000]	mg/L	11:27:20
2	Mg 279.071†	4408.9	4325.3	[10.000]	mg/L	11:27:40
2	Na 589.592†	66039.7	64105.1	[10.000]	mg/L	11:27:20
2	Sr 407.771†	748927.6	736546.2	[1.000]	mg/L	11:27:20
2	Ti 334.940†	14165.9	13950.6	[1.000]	mg/L	11:27:40
2	Sc 357.234	210225.2	210225.2	104.091	%	11:28:12
2	Ag 328.068†	61903.7	59406.6	[1.000]	mg/L	11:28:12
2	As 188.979†	3039.4	2948.2	[5.000]	mg/L	11:28:32
2	B 249.677†	17851.3	16342.4	[1.000]	mg/L	11:28:32
2	Be 234.861†	18084.6	18208.8	[0.100]	mg/L	11:28:32
2	Cd 214.437†	23018.8	21901.2	[1.000]	mg/L	11:28:32
2	Ce 413.764†	34692.4	32923.5	[1.000]	mg/L	11:28:12
2	Co 228.616†	5494.3	5355.7	[1.000]	mg/L	11:28:32
2	Cr 205.557†	10466.0	10082.6	[1.000]	mg/L	11:28:32
2	Cu 327.397†	33220.2	31737.7	[1.000]	mg/L	11:28:12
2	Mn 257.610†	132117.7	126688.4	[1.000]	mg/L	11:28:12
2	Mo 202.031†	7494.1	7111.4	[1.000]	mg/L	11:28:32
2	Ni 231.604†	11496.9	10605.5	[1.000]	mg/L	11:28:32
2	Pb 220.353†	1715.6	1675.7	[1.000]	mg/L	11:28:32
2	Sb 217.584†	6241.7	6044.4	[5.000]	mg/L	11:28:32
2	Se 196.026†	2368.1	2314.6	[5.000]	mg/L	11:28:32
2	Si 251.611†	53129.3	50761.7	[5.000]	mg/L	11:28:12
2	Sn 189.927†	9596.0	9201.3	[5.000]	mg/L	11:28:32
2	Tl 190.801†	3629.7	3532.8	[5.000]	mg/L	11:28:32
2	V 292.395†	42257.9	41735.5	[1.000]	mg/L	11:28:12
2	Zn 206.200†	8253.4	8001.8	[1.000]	mg/L	11:28:32

Mean Data: 0B02016-CAL5

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	208863.2	1926.22	0.92%	103.416	%
Y 360.076	145443.1	113.20	0.08%	101.522	%
Ag 328.068†	59780.8	529.14	0.89%	[1.000]	mg/L
Al 396.153†	14872.0	15.34	0.10%	[5.00]	mg/L
As 188.979†	2959.8	16.51	0.56%	[5.000]	mg/L
B 249.677†	16376.9	48.79	0.30%	[1.000]	mg/L
Ba 455.398†	278965.2	511.10	0.18%	[1.000]	mg/L
Be 234.861†	18291.9	117.53	0.64%	[0.100]	mg/L
Ca 315.887†	13308.1	0.03	0.00%	[10.00]	mg/L
Cd 214.437†	21996.9	135.24	0.61%	[1.000]	mg/L
Ce 413.764†	33085.8	229.59	0.69%	[1.000]	mg/L
Co 228.616†	5384.1	40.19	0.75%	[1.000]	mg/L
Cr 205.557†	10131.5	69.19	0.68%	[1.000]	mg/L
Cu 327.397†	31891.5	217.47	0.68%	[1.000]	mg/L
Fe 238.204†	2094.2	2.05	0.10%	[1.000]	mg/L
K 766.490	6211.6	15.77	0.25%	[10.000]	mg/L
Li 670.784†	33791.0	90.29	0.27%	[1.000]	mg/L
Mg 279.071†	4327.4	3.01	0.07%	[10.000]	mg/L
Mn 257.610†	127368.2	961.36	0.75%	[1.000]	mg/L
Mo 202.031†	7139.3	39.38	0.55%	[1.000]	mg/L
Na 589.592†	64054.7	71.22	0.11%	[10.000]	mg/L
Ni 231.604†	10658.2	74.53	0.70%	[1.000]	mg/L
Pb 220.353†	1686.3	14.89	0.88%	[1.000]	mg/L
Sb 217.584†	6061.7	24.54	0.40%	[5.000]	mg/L
Se 196.026†	2335.5	29.50	1.26%	[5.000]	mg/L
Si 251.611†	51080.4	450.83	0.88%	[5.000]	mg/L
Sn 189.927†	9245.4	62.36	0.67%	[5.000]	mg/L
Sr 407.771†	735404.5	1614.55	0.22%	[1.000]	mg/L
Ti 334.940†	13962.1	16.19	0.12%	[1.000]	mg/L
Tl 190.801†	3542.3	13.35	0.38%	[5.000]	mg/L
V 292.395†	41975.9	339.91	0.81%	[1.000]	mg/L
Zn 206.200†	8042.8	58.04	0.72%	[1.000]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	4	Lin, Calc Int	-5.3	59800	0.00000	1.000000	
Al 396.153	4	Lin, Calc Int	61.0	2969	0.00000	0.999972	
As 188.979	4	Lin, Calc Int	4.9	592.5	0.00000	0.999972	
B 249.677	4	Lin, Calc Int	40.3	16250	0.00000	0.999820	
Ba 455.398	4	Lin, Calc Int	287.9	278900	0.00000	0.999996	
Be 234.861	4	Lin, Calc Int	36.5	182700	0.00000	0.999992	
Ca 315.887	4	Lin, Calc Int	17.3	1331	0.00000	0.999994	
Cd 214.437	4	Lin, Calc Int	30.9	22000	0.00000	0.999986	
Ce 413.764	1	Lin, Calc Int	0.0	33090	0.00000	1.000000	
Co 228.616	4	Lin, Calc Int	6.6	5389	0.00000	0.999982	
Cr 205.557	4	Lin, Calc Int	20.1	10140	0.00000	0.999974	
Cu 327.397	4	Lin, Calc Int	138.9	31750	0.00000	0.999958	
Fe 238.204	4	Lin, Calc Int	1.3	2096	0.00000	0.999992	
K 766.490	4	Lin, Calc Int	9.3	621.4	0.00000	0.999986	
Li 670.784	4	Lin, Calc Int	36.5	33790	0.00000	0.999993	
Mg 279.071	4	Lin, Calc Int	9.2	432.6	0.00000	0.999984	
Mn 257.610	4	Lin, Calc Int	184.3	127400	0.00000	0.999987	
Mo 202.031	3	Lin, Calc Int	8.6	7142	0.00000	0.999988	
Na 589.592	4	Lin, Calc Int	71.5	6401	0.00000	0.999998	
Ni 231.604	4	Lin, Calc Int	11.8	10670	0.00000	0.999975	
Pb 220.353	4	Lin, Calc Int	2.6	1688	0.00000	0.999972	
Sb 217.584	4	Lin, Calc Int	7.3	1213	0.00000	0.999989	
Se 196.026	4	Lin, Calc Int	3.1	467.7	0.00000	0.999972	
Si 251.611	4	Lin, Calc Int	143.3	10210	0.00000	0.999973	
Sn 189.927	4	Lin, Calc Int	2.3	1851	0.00000	0.999996	
Sr 407.771	4	Lin, Calc Int	810.3	735000	0.00000	0.999996	
Ti 334.940	3	Lin, Calc Int	-0.8	13970	0.00000	0.999998	
Tl 190.801	4	Lin, Calc Int	1.2	708.7	0.00000	0.999996	
V 292.395	4	Lin, Calc Int	45.6	42010	0.00000	0.999985	
Zn 206.200	4	Lin, Calc Int	18.6	8044	0.00000	0.999974	

Sequence No.: 6
Sample ID: 0B02016-SCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 2/5/2010 11:29:47 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B02016-SCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Y 360.076	147127.5	147127.5	102.698	%			11:30:53
1	Al 396.153†	7696.3	7320.2	2.43688	mg/L	2.43688	mg/L	11:30:53
1	Ba 455.398†	142427.9	138679.4	0.496224	mg/L	0.496224	mg/L	11:30:53
1	Ca 315.887†	7038.2	6721.7	5.03901	mg/L	5.03901	mg/L	11:31:13
1	Fe 238.204†	1119.2	1046.7	0.498081	mg/L	0.498081	mg/L	11:31:13
1	K 766.490	3099.8	3086.6	4.95196	mg/L	4.95196	mg/L	11:31:13
1	Li 670.784†	17406.1	16962.1	0.500855	mg/L	0.500855	mg/L	11:30:53
1	Mg 279.071†	2282.8	2207.7	5.08222	mg/L	5.08222	mg/L	11:31:13
1	Na 589.592†	33511.8	31722.8	4.94505	mg/L	4.94505	mg/L	11:30:53
1	Sr 407.771†	383623.3	372799.7	0.506078	mg/L	0.506078	mg/L	11:30:53
1	Ti 334.940†	7223.1	7038.2	0.503852	mg/L	0.503852	mg/L	11:31:13
1	Sc 357.234	207619.6	207619.6	102.800	%			11:31:45
1	Ag 328.068†	30797.3	29894.0	0.500240	mg/L	0.500240	mg/L	11:31:45
1	As 188.979†	1500.7	1488.1	2.49887	mg/L	2.49887	mg/L	11:32:05
1	B 249.677†	9222.9	8164.2	0.498696	mg/L	0.498696	mg/L	11:31:45
1	Be 234.861†	8680.9	9279.3	0.0503963	mg/L	0.0503963	mg/L	11:32:05
1	Cd 214.437†	11863.0	11326.9	0.512771	mg/L	0.512771	mg/L	11:32:05
1	Ce 413.764†	351.9	-63.2	-0.0020031	mg/L	-0.0020031	mg/L	11:31:45
1	Co 228.616†	2724.6	2727.7	0.503756	mg/L	0.503756	mg/L	11:32:05
1	Cr 205.557†	5380.2	5261.5	0.516702	mg/L	0.516702	mg/L	11:32:05
1	Cu 327.397†	16731.1	16098.4	0.503016	mg/L	0.503016	mg/L	11:31:45
1	Mn 257.610†	66601.8	64550.2	0.505180	mg/L	0.505180	mg/L	11:31:45
1	Mo 202.031†	3863.6	3670.2	0.512700	mg/L	0.512700	mg/L	11:32:05
1	Ni 231.604†	6151.3	5544.2	0.518441	mg/L	0.518441	mg/L	11:32:05
1	Pb 220.353†	866.2	870.2	0.513009	mg/L	0.513009	mg/L	11:32:05
1	Sb 217.584†	2600.8	2577.9	2.12169	mg/L	2.12169	mg/L	11:32:05
1	Se 196.026†	1201.6	1208.5	2.57781	mg/L	2.57781	mg/L	11:32:05
1	Si 251.611†	26887.6	25875.4	2.50674	mg/L	2.50674	mg/L	11:31:45
1	Sn 189.927†	4930.1	4778.1	2.58191	mg/L	2.58191	mg/L	11:32:05
1	Tl 190.801†	1806.8	1803.3	2.54510	mg/L	2.54510	mg/L	11:32:05
1	V 292.395†	20695.8	21270.4	0.510114	mg/L	0.510114	mg/L	11:31:45
1	Zn 206.200†	4145.8	4105.6	0.507993	mg/L	0.507993	mg/L	11:32:05
2	Y 360.076	145501.2	145501.2	101.563	%			11:31:18
2	Al 396.153†	7687.6	7395.4	2.46232	mg/L	2.46232	mg/L	11:31:18
2	Ba 455.398†	141739.4	139551.6	0.499351	mg/L	0.499351	mg/L	11:31:18
2	Ca 315.887†	7090.8	6850.0	5.13545	mg/L	5.13545	mg/L	11:31:39
2	Fe 238.204†	1131.0	1070.4	0.509413	mg/L	0.509413	mg/L	11:31:39
2	K 766.490	3110.2	3097.1	4.96880	mg/L	4.96880	mg/L	11:31:39
2	Li 670.784†	17333.7	17080.3	0.504353	mg/L	0.504353	mg/L	11:31:18
2	Mg 279.071†	2281.1	2230.9	5.13578	mg/L	5.13578	mg/L	11:31:39
2	Na 589.592†	33331.0	31909.5	4.97422	mg/L	4.97422	mg/L	11:31:18
2	Sr 407.771†	382218.5	375591.6	0.509877	mg/L	0.509877	mg/L	11:31:18
2	Ti 334.940†	7263.6	7156.7	0.512334	mg/L	0.512334	mg/L	11:31:39
2	Sc 357.234	209401.3	209401.3	103.683	%			11:32:10
2	Ag 328.068†	30880.9	29719.7	0.497326	mg/L	0.497326	mg/L	11:32:10
2	As 188.979†	1506.6	1481.3	2.48748	mg/L	2.48748	mg/L	11:32:30
2	B 249.677†	9254.5	8118.3	0.495871	mg/L	0.495871	mg/L	11:32:10
2	Be 234.861†	8690.1	9216.3	0.0500475	mg/L	0.0500475	mg/L	11:32:30
2	Cd 214.437†	11804.0	11171.8	0.505726	mg/L	0.505726	mg/L	11:32:30
2	Ce 413.764†	349.0	-68.9	-0.0021784	mg/L	-0.0021784	mg/L	11:32:10
2	Co 228.616†	2731.1	2711.4	0.500720	mg/L	0.500720	mg/L	11:32:30
2	Cr 205.557†	5379.9	5216.7	0.512283	mg/L	0.512283	mg/L	11:32:30
2	Cu 327.397†	16776.3	16003.6	0.500033	mg/L	0.500033	mg/L	11:32:10
2	Mn 257.610†	66911.9	64298.1	0.503202	mg/L	0.503202	mg/L	11:32:10
2	Mo 202.031†	3857.7	3632.5	0.507424	mg/L	0.507424	mg/L	11:32:30
2	Ni 231.604†	6138.7	5481.1	0.512526	mg/L	0.512526	mg/L	11:32:30
2	Pb 220.353†	878.8	875.2	0.515968	mg/L	0.515968	mg/L	11:32:30
2	Sb 217.584†	2587.9	2544.0	2.09376	mg/L	2.09376	mg/L	11:32:30
2	Se 196.026†	1195.6	1192.7	2.54416	mg/L	2.54416	mg/L	11:32:30
2	Si 251.611†	26901.1	25665.9	2.48600	mg/L	2.48600	mg/L	11:32:10
2	Sn 189.927†	4926.2	4733.6	2.55787	mg/L	2.55787	mg/L	11:32:30

2	Tl 190.801†	1817.9	1799.1	2.53925 mg/L	2.53925 mg/L	11:32:30
2	V 292.395†	20681.9	21085.7	0.505655 mg/L	0.505655 mg/L	11:32:10
2	Zn 206.200†	4148.3	4073.7	0.504013 mg/L	0.504013 mg/L	11:32:30

Mean Data: 0B02016-SCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	208510.4	103.242	%	0.6238				0.60%
Y 360.076	146314.3	102.131	%	0.8027				0.79%
Ag 328.068†	29806.9	0.498783	mg/L	0.0020606	0.498783	mg/L	0.0020606	0.41%
QC value within limits for Ag 328.068 Recovery = 99.76%								
Al 396.153†	7357.8	2.44960	mg/L	0.017985	2.44960	mg/L	0.017985	0.73%
QC value within limits for Al 396.153 Recovery = 97.98%								
As 188.979†	1484.7	2.49317	mg/L	0.008060	2.49317	mg/L	0.008060	0.32%
QC value within limits for As 188.979 Recovery = 99.73%								
B 249.677†	8141.3	0.497284	mg/L	0.0019976	0.497284	mg/L	0.0019976	0.40%
QC value within limits for B 249.677 Recovery = 99.46%								
Ba 455.398†	139115.5	0.497788	mg/L	0.0022113	0.497788	mg/L	0.0022113	0.44%
QC value within limits for Ba 455.398 Recovery = 99.56%								
Be 234.861†	9247.8	0.0502219	mg/L	0.00024658	0.0502219	mg/L	0.00024658	0.49%
QC value within limits for Be 234.861 Recovery = 100.44%								
Ca 315.887†	6785.9	5.08723	mg/L	0.068195	5.08723	mg/L	0.068195	1.34%
QC value within limits for Ca 315.887 Recovery = 101.74%								
Cd 214.437†	11249.3	0.509248	mg/L	0.0049816	0.509248	mg/L	0.0049816	0.98%
QC value within limits for Cd 214.437 Recovery = 101.85%								
Ce 413.764†	-66.0	-0.0020908	mg/L	0.00012397	-0.0020908	mg/L	0.00012397	5.93%
Co 228.616†	2719.6	0.502238	mg/L	0.0021468	0.502238	mg/L	0.0021468	0.43%
QC value within limits for Co 228.616 Recovery = 100.45%								
Cr 205.557†	5239.1	0.514493	mg/L	0.0031249	0.514493	mg/L	0.0031249	0.61%
QC value within limits for Cr 205.557 Recovery = 102.90%								
Cu 327.397†	16051.0	0.501525	mg/L	0.0021095	0.501525	mg/L	0.0021095	0.42%
QC value within limits for Cu 327.397 Recovery = 100.30%								
Fe 238.204†	1058.6	0.503747	mg/L	0.0080133	0.503747	mg/L	0.0080133	1.59%
QC value within limits for Fe 238.204 Recovery = 100.75%								
K 766.490	3091.8	4.96038	mg/L	0.011908	4.96038	mg/L	0.011908	0.24%
QC value within limits for K 766.490 Recovery = 99.21%								
Li 670.784†	17021.2	0.502604	mg/L	0.0024735	0.502604	mg/L	0.0024735	0.49%
QC value within limits for Li 670.784 Recovery = 100.52%								
Mg 279.071†	2219.3	5.10900	mg/L	0.037872	5.10900	mg/L	0.037872	0.74%
QC value within limits for Mg 279.071 Recovery = 102.18%								
Mn 257.610†	64424.2	0.504191	mg/L	0.0013990	0.504191	mg/L	0.0013990	0.28%
QC value within limits for Mn 257.610 Recovery = 100.84%								
Mo 202.031†	3651.4	0.510062	mg/L	0.0037307	0.510062	mg/L	0.0037307	0.73%
QC value within limits for Mo 202.031 Recovery = 102.01%								
Na 589.592†	31816.2	4.95963	mg/L	0.020627	4.95963	mg/L	0.020627	0.42%
QC value within limits for Na 589.592 Recovery = 99.19%								
Ni 231.604†	5512.6	0.515484	mg/L	0.0041828	0.515484	mg/L	0.0041828	0.81%
QC value within limits for Ni 231.604 Recovery = 103.10%								
Pb 220.353†	872.7	0.514489	mg/L	0.0020917	0.514489	mg/L	0.0020917	0.41%
QC value within limits for Pb 220.353 Recovery = 102.90%								
Sb 217.584†	2560.9	2.10773	mg/L	0.019755	2.10773	mg/L	0.019755	0.94%
QC value less than the lower limit for Sb 217.584 Recovery = 84.31%								
Se 196.026†	1200.6	2.56098	mg/L	0.023791	2.56098	mg/L	0.023791	0.93%
QC value within limits for Se 196.026 Recovery = 102.44%								
Si 251.611†	25770.7	2.49637	mg/L	0.014665	2.49637	mg/L	0.014665	0.59%
QC value within limits for Si 251.611 Recovery = 99.85%								
Sn 189.927†	4755.9	2.56989	mg/L	0.016998	2.56989	mg/L	0.016998	0.66%
QC value within limits for Sn 189.927 Recovery = 102.80%								
Sr 407.771†	374195.7	0.507977	mg/L	0.0026858	0.507977	mg/L	0.0026858	0.53%
QC value within limits for Sr 407.771 Recovery = 101.60%								
Ti 334.940†	7097.5	0.508093	mg/L	0.0059978	0.508093	mg/L	0.0059978	1.18%
QC value within limits for Ti 334.940 Recovery = 101.62%								
Tl 190.801†	1801.2	2.54218	mg/L	0.004141	2.54218	mg/L	0.004141	0.16%
QC value within limits for Tl 190.801 Recovery = 101.69%								
V 292.395†	21178.0	0.507885	mg/L	0.0031526	0.507885	mg/L	0.0031526	0.62%
QC value within limits for V 292.395 Recovery = 101.58%								
Zn 206.200†	4089.6	0.506003	mg/L	0.0028148	0.506003	mg/L	0.0028148	0.56%
QC value within limits for Zn 206.200 Recovery = 101.20%								

QC Failed. Continue with analysis.

Sequence No.: 7
Sample ID: 0B02016-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 2/5/2010 11:33:43 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B02016-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	146107.1	146107.1	101.986	%			11:34:49
1	Al 396.153†	198.0	20.2	-0.0137401	mg/L	-0.0137401	mg/L	11:34:49
1	Ba 455.398†	48.2	40.7	-0.0008863	mg/L	-0.0008863	mg/L	11:34:49
1	Ca 315.887†	139.5	5.2	-0.0091119	mg/L	-0.0091119	mg/L	11:35:09
1	Fe 238.204†	38.4	-5.5	-0.0032224	mg/L	-0.0032224	mg/L	11:35:09
1	K 766.490	-0.9	-14.1	-0.0376308	mg/L	-0.0376308	mg/L	11:34:49
1	Li 670.784†	20.1	33.0	-0.0001041	mg/L	-0.0001041	mg/L	11:34:49
1	Mg 279.071†	9.7	-5.6	-0.0343096	mg/L	-0.0343096	mg/L	11:35:09
1	Na 589.592†	843.9	-81.1	-0.0238501	mg/L	-0.0238501	mg/L	11:34:49
1	Sr 407.771†	747.4	-12.1	-0.0011189	mg/L	-0.0011189	mg/L	11:34:49
1	Ti 334.940†	-8.7	-3.6	-0.0002015	mg/L	-0.0002015	mg/L	11:35:09
1	Sc 357.234	206294.9	206294.9	102.145	%			11:35:40
1	Ag 328.068†	110.2	43.6	0.0008219	mg/L	0.0008219	mg/L	11:35:40
1	As 188.979†	-26.3	2.5	-0.0040351	mg/L	-0.0040351	mg/L	11:36:00
1	B 249.677†	870.2	44.5	0.0002558	mg/L	0.0002558	mg/L	11:36:00
1	Be 234.861†	-820.0	32.1	-0.0000230	mg/L	-0.0000230	mg/L	11:36:00
1	Cd 214.437†	203.4	-13.9	-0.0020293	mg/L	-0.0020293	mg/L	11:36:00
1	Ce 413.764†	447.3	32.4	0.0009784	mg/L	0.0009784	mg/L	11:35:40
1	Co 228.616†	-76.0	2.9	-0.0006809	mg/L	-0.0006809	mg/L	11:36:00
1	Cr 205.557†	-34.2	-5.6	-0.0025417	mg/L	-0.0025417	mg/L	11:36:00
1	Cu 327.397†	180.8	0.1	-0.0043717	mg/L	-0.0043717	mg/L	11:35:40
1	Mn 257.610†	222.6	-19.3	-0.0015980	mg/L	-0.0015980	mg/L	11:36:00
1	Mo 202.031†	102.4	12.1	0.0004896	mg/L	0.0004896	mg/L	11:36:00
1	Ni 231.604†	432.8	-15.8	-0.0025916	mg/L	-0.0025916	mg/L	11:36:00
1	Pb 220.353†	-27.3	0.9	-0.0010387	mg/L	-0.0010387	mg/L	11:36:00
1	Sb 217.584†	-43.4	5.5	-0.0015702	mg/L	-0.0015702	mg/L	11:36:00
1	Se 196.026†	-41.8	-1.3	-0.0095303	mg/L	-0.0095303	mg/L	11:36:00
1	Si 251.611†	330.7	44.1	-0.0097109	mg/L	-0.0097109	mg/L	11:36:00
1	Sn 189.927†	27.2	9.0	0.0036259	mg/L	0.0036259	mg/L	11:36:00
1	Tl 190.801†	-45.5	1.2	-0.0000876	mg/L	-0.0000876	mg/L	11:36:00
1	V 292.395†	-1144.4	18.0	-0.0006507	mg/L	-0.0006507	mg/L	11:36:00
1	Zn 206.200†	-67.7	6.5	-0.0015105	mg/L	-0.0015105	mg/L	11:36:00
2	Y 360.076	144675.8	144675.8	100.987	%			11:35:14
2	Al 396.153†	182.5	6.8	-0.0182137	mg/L	-0.0182137	mg/L	11:35:14
2	Ba 455.398†	-23.7	-30.1	-0.0011402	mg/L	-0.0011402	mg/L	11:35:14
2	Ca 315.887†	132.3	-0.6	-0.0134621	mg/L	-0.0134621	mg/L	11:35:34
2	Fe 238.204†	44.3	0.8	-0.0002541	mg/L	-0.0002541	mg/L	11:35:34
2	K 766.490	-22.3	-35.5	-0.0721586	mg/L	-0.0721586	mg/L	11:35:14
2	Li 670.784†	-11.4	2.0	-0.0010212	mg/L	-0.0010212	mg/L	11:35:14
2	Mg 279.071†	20.7	5.4	-0.0088648	mg/L	-0.0088648	mg/L	11:35:34
2	Na 589.592†	776.6	-139.6	-0.0329795	mg/L	-0.0329795	mg/L	11:35:14
2	Sr 407.771†	793.5	40.8	-0.0010469	mg/L	-0.0010469	mg/L	11:35:14
2	Ti 334.940†	1.2	6.1	0.0004923	mg/L	0.0004923	mg/L	11:35:34
2	Sc 357.234	205937.8	205937.8	101.968	%			11:36:05
2	Ag 328.068†	53.5	-11.8	-0.0001207	mg/L	-0.0001207	mg/L	11:36:05
2	As 188.979†	-31.2	-2.3	-0.0121149	mg/L	-0.0121149	mg/L	11:36:25
2	B 249.677†	850.2	26.3	-0.0008591	mg/L	-0.0008591	mg/L	11:36:25
2	Be 234.861†	-820.9	29.9	-0.0000362	mg/L	-0.0000362	mg/L	11:36:25
2	Cd 214.437†	204.3	-12.6	-0.0019714	mg/L	-0.0019714	mg/L	11:36:25
2	Ce 413.764†	334.4	-77.6	-0.0023447	mg/L	-0.0023447	mg/L	11:36:05
2	Co 228.616†	-75.7	3.1	-0.0006446	mg/L	-0.0006446	mg/L	11:36:25
2	Cr 205.557†	-23.6	4.7	-0.0015172	mg/L	-0.0015172	mg/L	11:36:25
2	Cu 327.397†	165.5	-14.6	-0.0048347	mg/L	-0.0048347	mg/L	11:36:05
2	Mn 257.610†	221.1	-20.3	-0.0016063	mg/L	-0.0016063	mg/L	11:36:25
2	Mo 202.031†	84.4	-5.4	-0.0019549	mg/L	-0.0019549	mg/L	11:36:25
2	Ni 231.604†	436.9	-11.1	-0.0021552	mg/L	-0.0021552	mg/L	11:36:25
2	Pb 220.353†	-27.3	0.8	-0.0010512	mg/L	-0.0010512	mg/L	11:36:25
2	Sb 217.584†	-55.7	-6.6	-0.0115198	mg/L	-0.0115198	mg/L	11:36:25
2	Se 196.026†	-32.4	7.9	0.0101551	mg/L	0.0101551	mg/L	11:36:25
2	Si 251.611†	320.0	34.1	-0.0107086	mg/L	-0.0107086	mg/L	11:36:25

2	Sn 189.927†	24.1	5.9	0.0019869 mg/L	0.0019869 mg/L		11:36:25
2	Tl 190.801†	-47.7	-1.0	-0.0032304 mg/L	-0.0032304 mg/L		11:36:25
2	V 292.395†	-1141.7	18.7	-0.0006613 mg/L	-0.0006613 mg/L		11:36:25
2	Zn 206.200†	-66.0	8.0	-0.0013262 mg/L	-0.0013262 mg/L		11:36:25

Mean Data: 0B02016-CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	206116.4	102.056	%	0.1250				0.12%
Y 360.076	145391.4	101.486	%	0.7064				0.70%
Ag 328.068†	15.9	0.0003506	mg/L	0.00066646	0.0003506	mg/L	0.00066646	190.09%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	13.5	-0.0159769	mg/L	0.00316329	-0.0159769	mg/L	0.00316329	19.80%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	0.1	-0.0080750	mg/L	0.00571325	-0.0080750	mg/L	0.00571325	70.75%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	35.4	-0.0003017	mg/L	0.00078841	-0.0003017	mg/L	0.00078841	261.36%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	5.3	-0.0010132	mg/L	0.00017956	-0.0010132	mg/L	0.00017956	17.72%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	31.0	-0.0000296	mg/L	0.00000933	-0.0000296	mg/L	0.00000933	31.51%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	2.3	-0.0112870	mg/L	0.00307606	-0.0112870	mg/L	0.00307606	27.25%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	-13.2	-0.0020003	mg/L	0.00004092	-0.0020003	mg/L	0.00004092	2.05%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	-22.6	-0.0006832	mg/L	0.00234983	-0.0006832	mg/L	0.00234983	343.96%
Co 228.616†	3.0	-0.0006627	mg/L	0.00002570	-0.0006627	mg/L	0.00002570	3.88%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	-0.5	-0.0020294	mg/L	0.00072446	-0.0020294	mg/L	0.00072446	35.70%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	-7.3	-0.0046032	mg/L	0.00032736	-0.0046032	mg/L	0.00032736	7.11%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	-2.3	-0.0017382	mg/L	0.00209890	-0.0017382	mg/L	0.00209890	120.75%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	-24.8	-0.0548947	mg/L	0.02441485	-0.0548947	mg/L	0.02441485	44.48%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	17.5	-0.0005626	mg/L	0.00064849	-0.0005626	mg/L	0.00064849	115.26%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	-0.1	-0.0215872	mg/L	0.01799218	-0.0215872	mg/L	0.01799218	83.35%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	-19.8	-0.0016022	mg/L	0.00000591	-0.0016022	mg/L	0.00000591	0.37%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	3.4	-0.0007327	mg/L	0.00172854	-0.0007327	mg/L	0.00172854	235.92%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-110.3	-0.0284148	mg/L	0.00645548	-0.0284148	mg/L	0.00645548	22.72%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-13.5	-0.0023734	mg/L	0.00030853	-0.0023734	mg/L	0.00030853	13.00%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	0.8	-0.0010449	mg/L	0.00000887	-0.0010449	mg/L	0.00000887	0.85%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	-0.6	-0.0065450	mg/L	0.00703542	-0.0065450	mg/L	0.00703542	107.49%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	3.3	0.0003124	mg/L	0.01391968	0.0003124	mg/L	0.01391968	>999.9%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	39.1	-0.0102098	mg/L	0.00070550	-0.0102098	mg/L	0.00070550	6.91%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	7.5	0.0028064	mg/L	0.00115894	0.0028064	mg/L	0.00115894	41.30%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	14.3	-0.0010829	mg/L	0.00005088	-0.0010829	mg/L	0.00005088	4.70%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	1.2	0.0001454	mg/L	0.00049055	0.0001454	mg/L	0.00049055	337.38%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	0.1	-0.0016590	mg/L	0.00222230	-0.0016590	mg/L	0.00222230	133.95%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	18.4	-0.0006560	mg/L	0.00000747	-0.0006560	mg/L	0.00000747	1.14%
QC value within limits for V 292.395 Recovery = Not calculated								
Zn 206.200†	7.2	-0.0014183	mg/L	0.00013034	-0.0014183	mg/L	0.00013034	9.19%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 8
Sample ID: 0B02016-CRL1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 2/5/2010 11:37:40 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B02016-CRL1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	145302.9	145302.9	101.424	%			11:38:46
1	Al 396.153†	609.4	426.9	0.119752	mg/L	0.119752	mg/L	11:38:46
1	Ba 455.398†	6070.7	5978.8	0.0204058	mg/L	0.0204058	mg/L	11:38:46
1	Ca 315.887†	1577.9	1424.1	1.05735	mg/L	1.05735	mg/L	11:39:06
1	Fe 238.204†	87.2	42.9	0.0197648	mg/L	0.0197648	mg/L	11:39:06
1	K 766.490	86.3	73.1	0.102615	mg/L	0.102615	mg/L	11:38:46
1	Li 670.784†	554.6	560.1	0.0154925	mg/L	0.0154925	mg/L	11:38:46
1	Mg 279.071†	481.0	459.2	1.04008	mg/L	1.04008	mg/L	11:39:06
1	Na 589.592†	7809.8	6791.6	1.04991	mg/L	1.04991	mg/L	11:38:46
1	Sr 407.771†	80381.9	78508.0	0.105705	mg/L	0.105705	mg/L	11:38:46
1	Ti 334.940†	2811.4	2776.8	0.198819	mg/L	0.198819	mg/L	11:39:06
1	Sc 357.234	207526.7	207526.7	102.755	%			11:39:37
1	Ag 328.068†	652.8	571.0	0.0096565	mg/L	0.0096565	mg/L	11:39:37
1	As 188.979†	104.7	130.1	0.210052	mg/L	0.210052	mg/L	11:39:57
1	B 249.677†	2544.7	1669.1	0.100070	mg/L	0.100070	mg/L	11:39:57
1	Be 234.861†	-442.0	404.7	0.0020075	mg/L	0.0020075	mg/L	11:39:57
1	Cd 214.437†	454.2	229.1	0.0090264	mg/L	0.0090264	mg/L	11:39:57
1	Ce 413.764†	411.0	-5.5	-0.0002372	mg/L	-0.0002372	mg/L	11:39:37
1	Co 228.616†	43.8	120.0	0.0205928	mg/L	0.0205928	mg/L	11:39:57
1	Cr 205.557†	197.1	219.6	0.0196653	mg/L	0.0196653	mg/L	11:39:57
1	Cu 327.397†	875.2	674.8	0.0170011	mg/L	0.0170011	mg/L	11:39:37
1	Mn 257.610†	3036.0	2717.4	0.0198813	mg/L	0.0198813	mg/L	11:39:57
1	Mo 202.031†	1577.4	1446.9	0.201394	mg/L	0.201394	mg/L	11:39:57
1	Ni 231.604†	667.9	210.5	0.0189347	mg/L	0.0189347	mg/L	11:39:57
1	Pb 220.353†	162.3	185.5	0.108455	mg/L	0.108455	mg/L	11:39:57
1	Sb 217.584†	213.8	256.0	0.205128	mg/L	0.205128	mg/L	11:39:57
1	Se 196.026†	68.4	106.2	0.220343	mg/L	0.220343	mg/L	11:39:57
1	Si 251.611†	2516.8	2169.7	0.193227	mg/L	0.193227	mg/L	11:39:57
1	Sn 189.927†	400.0	371.6	0.199826	mg/L	0.199826	mg/L	11:39:57
1	Tl 190.801†	101.8	144.8	0.204307	mg/L	0.204307	mg/L	11:39:57
1	V 292.395†	-346.7	801.0	0.0199896	mg/L	0.0199896	mg/L	11:39:57
1	Zn 206.200†	96.0	166.2	0.0184470	mg/L	0.0184470	mg/L	11:39:57
2	Y 360.076	145063.3	145063.3	101.257	%			11:39:11
2	Al 396.153†	619.5	437.9	0.123458	mg/L	0.123458	mg/L	11:39:11
2	Ba 455.398†	6072.2	5990.2	0.0204465	mg/L	0.0204465	mg/L	11:39:11
2	Ca 315.887†	1591.9	1440.5	1.06967	mg/L	1.06967	mg/L	11:39:31
2	Fe 238.204†	82.2	38.1	0.0174800	mg/L	0.0174800	mg/L	11:39:31
2	K 766.490	92.1	79.0	0.112046	mg/L	0.112046	mg/L	11:39:11
2	Li 670.784†	603.7	609.5	0.0169539	mg/L	0.0169539	mg/L	11:39:11
2	Mg 279.071†	485.9	464.7	1.05297	mg/L	1.05297	mg/L	11:39:31
2	Na 589.592†	7824.8	6819.1	1.05421	mg/L	1.05421	mg/L	11:39:11
2	Sr 407.771†	80627.3	78881.2	0.106213	mg/L	0.106213	mg/L	11:39:11
2	Ti 334.940†	2823.8	2793.6	0.200022	mg/L	0.200022	mg/L	11:39:31
2	Sc 357.234	206764.5	206764.5	102.377	%			11:40:02
2	Ag 328.068†	607.9	529.4	0.0089601	mg/L	0.0089601	mg/L	11:40:02
2	As 188.979†	105.2	131.0	0.211485	mg/L	0.211485	mg/L	11:40:22
2	B 249.677†	2527.1	1660.9	0.0995684	mg/L	0.0995684	mg/L	11:40:22
2	Be 234.861†	-433.5	411.5	0.0020451	mg/L	0.0020451	mg/L	11:40:22
2	Cd 214.437†	448.0	224.6	0.0088245	mg/L	0.0088245	mg/L	11:40:22
2	Ce 413.764†	405.1	-9.8	-0.0003673	mg/L	-0.0003673	mg/L	11:40:02
2	Co 228.616†	42.2	118.5	0.0203177	mg/L	0.0203177	mg/L	11:40:22
2	Cr 205.557†	198.8	222.0	0.0198992	mg/L	0.0198992	mg/L	11:40:22
2	Cu 327.397†	867.2	670.2	0.0168561	mg/L	0.0168561	mg/L	11:40:02
2	Mn 257.610†	3027.5	2720.0	0.0199015	mg/L	0.0199015	mg/L	11:40:22
2	Mo 202.031†	1568.7	1444.1	0.200996	mg/L	0.200996	mg/L	11:40:22
2	Ni 231.604†	663.6	208.6	0.0187574	mg/L	0.0187574	mg/L	11:40:22
2	Pb 220.353†	157.3	181.3	0.105928	mg/L	0.105928	mg/L	11:40:22
2	Sb 217.584†	210.6	253.6	0.203146	mg/L	0.203146	mg/L	11:40:22
2	Se 196.026†	59.8	98.0	0.202977	mg/L	0.202977	mg/L	11:40:22

2	Si 251.611†	2515.8	2177.7	0.193986 mg/L	0.193986 mg/L	11:40:22
2	Sn 189.927†	401.5	374.5	0.201394 mg/L	0.201394 mg/L	11:40:22
2	Tl 190.801†	96.5	140.0	0.197551 mg/L	0.197551 mg/L	11:40:22
2	V 292.395†	-356.0	790.6	0.0197377 mg/L	0.0197377 mg/L	11:40:22
2	Zn 206.200†	100.5	170.9	0.0190356 mg/L	0.0190356 mg/L	11:40:22

Mean Data: 0B02016-CRL1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	207145.6	102.566	%	0.2669				0.26%
Y 360.076	145183.1	101.341	%	0.1182				0.12%
Ag 328.068†	550.2	0.0093083	mg/L	0.00049247	0.0093083	mg/L	0.00049247	5.29%
QC value within limits for Ag 328.068 Recovery = 93.08%								
Al 396.153†	432.4	0.121605	mg/L	0.0026202	0.121605	mg/L	0.0026202	2.15%
QC value within limits for Al 396.153 Recovery = 121.60%								
As 188.979†	130.6	0.210769	mg/L	0.0010134	0.210769	mg/L	0.0010134	0.48%
QC value within limits for As 188.979 Recovery = 105.38%								
B 249.677†	1665.0	0.0998191	mg/L	0.00035454	0.0998191	mg/L	0.00035454	0.36%
QC value within limits for B 249.677 Recovery = 99.82%								
Ba 455.398†	5984.5	0.0204261	mg/L	0.00002880	0.0204261	mg/L	0.00002880	0.14%
QC value within limits for Ba 455.398 Recovery = 102.13%								
Be 234.861†	408.1	0.0020263	mg/L	0.00002656	0.0020263	mg/L	0.00002656	1.31%
QC value within limits for Be 234.861 Recovery = 101.32%								
Ca 315.887†	1432.3	1.06351	mg/L	0.008716	1.06351	mg/L	0.008716	0.82%
QC value within limits for Ca 315.887 Recovery = 106.35%								
Cd 214.437†	226.8	0.0089255	mg/L	0.00014277	0.0089255	mg/L	0.00014277	1.60%
QC value within limits for Cd 214.437 Recovery = 89.25%								
Ce 413.764†	-7.6	-0.0003023	mg/L	0.00009198	-0.0003023	mg/L	0.00009198	30.43%
Co 228.616†	119.2	0.0204553	mg/L	0.00019459	0.0204553	mg/L	0.00019459	0.95%
QC value within limits for Co 228.616 Recovery = 102.28%								
Cr 205.557†	220.8	0.0197822	mg/L	0.00016543	0.0197822	mg/L	0.00016543	0.84%
QC value within limits for Cr 205.557 Recovery = 98.91%								
Cu 327.397†	672.5	0.0169286	mg/L	0.00010256	0.0169286	mg/L	0.00010256	0.61%
QC value within limits for Cu 327.397 Recovery = 84.64%								
Fe 238.204†	40.5	0.0186224	mg/L	0.00161565	0.0186224	mg/L	0.00161565	8.68%
QC value within limits for Fe 238.204 Recovery = 93.11%								
K 766.490	76.0	0.107331	mg/L	0.0066684	0.107331	mg/L	0.0066684	6.21%
QC value within limits for K 766.490 Recovery = 53.67%								
Li 670.784†	584.8	0.0162232	mg/L	0.00103335	0.0162232	mg/L	0.00103335	6.37%
QC value within limits for Li 670.784 Recovery = 101.40%								
Mg 279.071†	462.0	1.04653	mg/L	0.009111	1.04653	mg/L	0.009111	0.87%
QC value within limits for Mg 279.071 Recovery = 104.65%								
Mn 257.610†	2718.7	0.0198914	mg/L	0.00001430	0.0198914	mg/L	0.00001430	0.07%
QC value within limits for Mn 257.610 Recovery = 99.46%								
Mo 202.031†	1445.5	0.201195	mg/L	0.0002818	0.201195	mg/L	0.0002818	0.14%
QC value within limits for Mo 202.031 Recovery = 100.60%								
Na 589.592†	6805.3	1.05206	mg/L	0.003040	1.05206	mg/L	0.003040	0.29%
QC value within limits for Na 589.592 Recovery = 105.21%								
Ni 231.604†	209.5	0.0188461	mg/L	0.00012539	0.0188461	mg/L	0.00012539	0.67%
QC value within limits for Ni 231.604 Recovery = 94.23%								
Pb 220.353†	183.4	0.107191	mg/L	0.0017870	0.107191	mg/L	0.0017870	1.67%
QC value within limits for Pb 220.353 Recovery = 107.19%								
Sb 217.584†	254.8	0.204137	mg/L	0.0014015	0.204137	mg/L	0.0014015	0.69%
QC value within limits for Sb 217.584 Recovery = 102.07%								
Se 196.026†	102.1	0.211660	mg/L	0.0122797	0.211660	mg/L	0.0122797	5.80%
QC value within limits for Se 196.026 Recovery = 105.83%								
Si 251.611†	2173.7	0.193606	mg/L	0.0005367	0.193606	mg/L	0.0005367	0.28%
QC value within limits for Si 251.611 Recovery = 96.80%								
Sn 189.927†	373.1	0.200610	mg/L	0.0011087	0.200610	mg/L	0.0011087	0.55%
QC value within limits for Sn 189.927 Recovery = 100.30%								
Sr 407.771†	78694.6	0.105959	mg/L	0.0003591	0.105959	mg/L	0.0003591	0.34%
QC value within limits for Sr 407.771 Recovery = 105.96%								
Ti 334.940†	2785.2	0.199421	mg/L	0.0008504	0.199421	mg/L	0.0008504	0.43%
QC value within limits for Ti 334.940 Recovery = 99.71%								
Tl 190.801†	142.4	0.200929	mg/L	0.0047773	0.200929	mg/L	0.0047773	2.38%
QC value within limits for Tl 190.801 Recovery = 100.46%								
V 292.395†	795.8	0.0198636	mg/L	0.00017812	0.0198636	mg/L	0.00017812	0.90%
QC value within limits for V 292.395 Recovery = 99.32%								
Zn 206.200†	168.5	0.0187413	mg/L	0.00041625	0.0187413	mg/L	0.00041625	2.22%
QC value within limits for Zn 206.200 Recovery = 93.71%								

All analyte(s) passed QC.

Sequence No.: 9
Sample ID: 0B02016-IFA1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 2/5/2010 11:41:38 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B02016-IFA1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	144189.2	144189.2	100.647	%			11:42:44
1	Al 396.153†	298982.0	296885.7	100.009	mg/L	100.009	mg/L	11:42:44
1	Ba 455.398†	111.0	103.7	-0.0006604	mg/L	-0.0006604	mg/L	11:43:04
1	Ca 315.887†	131852.5	130873.1	98.3507	mg/L	98.3507	mg/L	11:42:44
1	Fe 238.204†	83372.6	82793.5	39.4947	mg/L	39.4947	mg/L	11:42:44
1	K 766.490	-2.8	-15.9	-0.0406510	mg/L	-0.0406510	mg/L	11:43:04
1	Li 670.784†	35.1	48.2	0.0003435	mg/L	0.0003435	mg/L	11:43:04
1	Mg 279.071†	42900.6	42609.6	98.4784	mg/L	98.4784	mg/L	11:42:44
1	Na 589.592†	844.0	-70.0	-0.0221043	mg/L	-0.0221043	mg/L	11:43:04
1	Sr 407.771†	1811.4	1054.9	0.0003327	mg/L	0.0003327	mg/L	11:42:44
1	Ti 334.940†	-24.7	-19.7	-0.0013499	mg/L	-0.0013499	mg/L	11:43:04
1	Sc 357.234	201541.1	201541.1	99.7908	%			11:43:36
1	Ag 328.068†	-1479.1	-1546.5	-0.0195116	mg/L	-0.0195116	mg/L	11:43:36
1	As 188.979†	-31.3	-3.1	-0.0134303	mg/L	-0.0134303	mg/L	11:43:56
1	B 249.677†	738.3	-67.6	-0.0021837	mg/L	-0.0021837	mg/L	11:43:36
1	Be 234.861†	1743.2	2581.8	-0.0000462	mg/L	-0.0000462	mg/L	11:43:36
1	Cd 214.437†	493.4	281.5	-0.0030436	mg/L	-0.0030436	mg/L	11:43:56
1	Ce 413.764†	325.9	-78.9	-0.0023824	mg/L	-0.0023824	mg/L	11:43:36
1	Co 228.616†	-60.2	17.0	0.0005395	mg/L	0.0005395	mg/L	11:43:56
1	Cr 205.557†	-42.1	-14.4	-0.0009707	mg/L	-0.0009707	mg/L	11:43:56
1	Cu 327.397†	173.3	-3.3	-0.0044767	mg/L	-0.0044767	mg/L	11:43:36
1	Mn 257.610†	295.0	58.5	0.0004975	mg/L	0.0004975	mg/L	11:43:36
1	Mo 202.031†	158.8	71.0	0.0087368	mg/L	0.0087368	mg/L	11:43:56
1	Ni 231.604†	430.2	-8.5	-0.0018913	mg/L	-0.0018913	mg/L	11:43:56
1	Pb 220.353†	-34.3	-6.7	-0.0055255	mg/L	-0.0055255	mg/L	11:43:56
1	Sb 217.584†	-249.2	-201.7	-0.0537326	mg/L	-0.0537326	mg/L	11:43:56
1	Se 196.026†	-12.7	26.9	0.0973830	mg/L	0.0973830	mg/L	11:43:56
1	Si 251.611†	406.0	127.2	0.0085692	mg/L	0.0085692	mg/L	11:43:56
1	Sn 189.927†	-112.7	-130.6	-0.0503092	mg/L	-0.0503092	mg/L	11:43:56
1	Tl 190.801†	-57.6	-12.0	-0.0186665	mg/L	-0.0186665	mg/L	11:43:56
1	V 292.395†	-935.6	200.8	-0.0034362	mg/L	-0.0034362	mg/L	11:43:56
1	Zn 206.200†	-20.7	52.0	-0.0031980	mg/L	-0.0031980	mg/L	11:43:56
2	Y 360.076	144671.6	144671.6	100.984	%			11:43:09
2	Al 396.153†	299396.9	296306.1	99.8140	mg/L	99.8140	mg/L	11:43:09
2	Ba 455.398†	141.1	133.1	-0.0005548	mg/L	-0.0005548	mg/L	11:43:29
2	Ca 315.887†	132096.3	130677.7	98.2039	mg/L	98.2039	mg/L	11:43:09
2	Fe 238.204†	83651.9	82793.8	39.4949	mg/L	39.4949	mg/L	11:43:09
2	K 766.490	20.1	6.9	-0.0038782	mg/L	-0.0038782	mg/L	11:43:29
2	Li 670.784†	54.6	67.4	0.0009131	mg/L	0.0009131	mg/L	11:43:29
2	Mg 279.071†	43060.2	42625.5	98.5153	mg/L	98.5153	mg/L	11:43:09
2	Na 589.592†	852.6	-64.3	-0.0212182	mg/L	-0.0212182	mg/L	11:43:29
2	Sr 407.771†	1799.6	1037.1	0.0003086	mg/L	0.0003086	mg/L	11:43:09
2	Ti 334.940†	-11.5	-6.5	-0.0004067	mg/L	-0.0004067	mg/L	11:43:29
2	Sc 357.234	202345.6	202345.6	100.189	%			11:44:01
2	Ag 328.068†	-1438.3	-1499.9	-0.0187319	mg/L	-0.0187319	mg/L	11:44:01
2	As 188.979†	-36.6	-8.3	-0.0221245	mg/L	-0.0221245	mg/L	11:44:21
2	B 249.677†	757.7	-51.2	-0.0011706	mg/L	-0.0011706	mg/L	11:44:01
2	Be 234.861†	1732.0	2563.6	-0.0001441	mg/L	-0.0001441	mg/L	11:44:01
2	Cd 214.437†	505.3	291.4	-0.0025825	mg/L	-0.0025825	mg/L	11:44:21
2	Ce 413.764†	342.3	-63.9	-0.0019292	mg/L	-0.0019292	mg/L	11:44:01
2	Co 228.616†	-72.2	5.3	-0.0016370	mg/L	-0.0016370	mg/L	11:44:21
2	Cr 205.557†	-56.7	-28.7	-0.0023908	mg/L	-0.0023908	mg/L	11:44:21
2	Cu 327.397†	196.4	19.1	-0.0037696	mg/L	-0.0037696	mg/L	11:44:01
2	Mn 257.610†	323.1	85.3	0.0007080	mg/L	0.0007080	mg/L	11:44:01
2	Mo 202.031†	154.8	66.3	0.0080828	mg/L	0.0080828	mg/L	11:44:21
2	Ni 231.604†	448.6	8.1	-0.0003318	mg/L	-0.0003318	mg/L	11:44:21
2	Pb 220.353†	-45.1	-17.4	-0.0118692	mg/L	-0.0118692	mg/L	11:44:21
2	Sb 217.584†	-258.3	-209.9	-0.0604479	mg/L	-0.0604479	mg/L	11:44:21

2	Se 196.026†	-20.2	19.4	0.0814325 mg/L	0.0814325 mg/L	11:44:21
2	Si 251.611†	425.3	144.8	0.0102724 mg/L	0.0102724 mg/L	11:44:21
2	Sn 189.927†	-107.9	-125.3	-0.0475010 mg/L	-0.0475010 mg/L	11:44:21
2	Tl 190.801†	-58.1	-12.2	-0.0190224 mg/L	-0.0190224 mg/L	11:44:21
2	V 292.395†	-930.8	209.4	-0.0032405 mg/L	-0.0032405 mg/L	11:44:21
2	Zn 206.200†	-21.7	51.1	-0.0033013 mg/L	-0.0033013 mg/L	11:44:21

Mean Data: 0B02016-IFA1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	201943.4	99.9900	%	0.28165				0.28%
Y 360.076	144430.4	100.815	%	0.2381				0.24%
Ag 328.068†	-1523.2	-0.0191218	mg/L	0.00055135	-0.0191218	mg/L	0.00055135	2.88%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	296595.9	99.9116	mg/L	0.13808	99.9116	mg/L	0.13808	0.14%
QC value within limits for Al 396.153 Recovery = 99.91%								
As 188.979†	-5.7	-0.0177774	mg/L	0.00614771	-0.0177774	mg/L	0.00614771	34.58%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-59.4	-0.0016772	mg/L	0.00071637	-0.0016772	mg/L	0.00071637	42.71%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	118.4	-0.0006076	mg/L	0.00007469	-0.0006076	mg/L	0.00007469	12.29%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	2572.7	-0.0000952	mg/L	0.00006924	-0.0000952	mg/L	0.00006924	72.75%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	130775.4	98.2773	mg/L	0.10384	98.2773	mg/L	0.10384	0.11%
QC value within limits for Ca 315.887 Recovery = 98.28%								
Cd 214.437†	286.4	-0.0028130	mg/L	0.00032610	-0.0028130	mg/L	0.00032610	11.59%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	-71.4	-0.0021558	mg/L	0.00032047	-0.0021558	mg/L	0.00032047	14.87%
Co 228.616†	11.1	-0.0005487	mg/L	0.00153905	-0.0005487	mg/L	0.00153905	280.48%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	-21.5	-0.0016808	mg/L	0.00100415	-0.0016808	mg/L	0.00100415	59.74%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	7.9	-0.0041231	mg/L	0.00049998	-0.0041231	mg/L	0.00049998	12.13%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	82793.6	39.4948	mg/L	0.00011	39.4948	mg/L	0.00011	0.00%
QC value within limits for Fe 238.204 Recovery = 98.74%								
K 766.490	-4.5	-0.0222646	mg/L	0.02600224	-0.0222646	mg/L	0.02600224	116.79%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	57.8	0.0006283	mg/L	0.00040276	0.0006283	mg/L	0.00040276	64.10%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	42617.6	98.4968	mg/L	0.02604	98.4968	mg/L	0.02604	0.03%
QC value within limits for Mg 279.071 Recovery = 98.50%								
Mn 257.610†	71.9	0.0006028	mg/L	0.00014883	0.0006028	mg/L	0.00014883	24.69%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	68.7	0.0084098	mg/L	0.00046247	0.0084098	mg/L	0.00046247	5.50%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-67.1	-0.0216612	mg/L	0.00062656	-0.0216612	mg/L	0.00062656	2.89%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-0.2	-0.0011115	mg/L	0.00110273	-0.0011115	mg/L	0.00110273	99.21%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-12.1	-0.0086973	mg/L	0.00448567	-0.0086973	mg/L	0.00448567	51.58%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	-205.8	-0.0570902	mg/L	0.00474840	-0.0570902	mg/L	0.00474840	8.32%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	23.2	0.0894078	mg/L	0.01127871	0.0894078	mg/L	0.01127871	12.61%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	136.0	0.0094208	mg/L	0.00120432	0.0094208	mg/L	0.00120432	12.78%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-127.9	-0.0489051	mg/L	0.00198567	-0.0489051	mg/L	0.00198567	4.06%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	1046.0	0.0003207	mg/L	0.00001707	0.0003207	mg/L	0.00001707	5.32%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	-13.1	-0.0008783	mg/L	0.00066690	-0.0008783	mg/L	0.00066690	75.93%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-12.1	-0.0188444	mg/L	0.00025168	-0.0188444	mg/L	0.00025168	1.34%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	205.1	-0.0033384	mg/L	0.00013843	-0.0033384	mg/L	0.00013843	4.15%
QC value within limits for V 292.395 Recovery = Not calculated								
Zn 206.200†	51.5	-0.0032497	mg/L	0.00007306	-0.0032497	mg/L	0.00007306	2.25%

QC value within limits for Zn 206.200 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 10 **Autosampler Location: 12**
Sample ID: 0B02016-IFA2 **Date Collected: 2/5/2010 11:47:17 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0B02016-IFA2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	146664.9	146664.9	102.375	%			11:48:24
1	Al 396.153†	453.1	268.7	0.0559119	mg/L	0.0559119	mg/L	11:48:24
1	Ba 455.398†	43.0	35.4	-0.0009051	mg/L	-0.0009051	mg/L	11:48:24
1	Ca 315.887†	110.1	-24.0	-0.0310619	mg/L	-0.0310619	mg/L	11:48:44
1	Fe 238.204†	33.6	-10.3	-0.0142398	mg/L	-0.0142398	mg/L	11:48:44
1	K 766.490	1.8	-11.3	-0.0332471	mg/L	-0.0332471	mg/L	11:48:24
1	Li 670.784†	159.4	169.0	0.0039189	mg/L	0.0039189	mg/L	11:48:24
1	Mg 279.071†	-54.7	-68.5	-0.179672	mg/L	-0.179672	mg/L	11:48:44
1	Na 589.592†	1175.7	239.9	0.0263041	mg/L	0.0263041	mg/L	11:48:24
1	Sr 407.771†	733.0	-29.0	-0.0011418	mg/L	-0.0011418	mg/L	11:48:24
1	Ti 334.940†	284991.9	278384.6	19.9268	mg/L	19.9268	mg/L	11:48:24
1	Sc 357.234	203615.6	203615.6	100.818	%			11:49:16
1	Ag 328.068†	-352.2	-413.6	-0.0022400	mg/L	-0.0022400	mg/L	11:49:21
1	As 188.979†	66.0	93.7	-0.0289172	mg/L	-0.0289172	mg/L	11:49:41
1	B 249.677†	919.9	105.0	0.0149594	mg/L	0.0149594	mg/L	11:49:41
1	Be 234.861†	-772.2	68.9	0.0001787	mg/L	0.0001787	mg/L	11:49:41
1	Cd 214.437†	598.5	380.7	0.0037660	mg/L	0.0037660	mg/L	11:49:41
1	Ce 413.764†	449.4	40.3	-0.0023130	mg/L	-0.0023130	mg/L	11:49:21
1	Co 228.616†	147.5	223.6	-0.0042455	mg/L	-0.0042455	mg/L	11:49:41
1	Cr 205.557†	208509.0	206845.2	20.3877	mg/L	20.3877	mg/L	11:49:16
1	Cu 327.397†	678186.0	672506.8	21.1957	mg/L	21.1957	mg/L	11:49:16
1	Mn 257.610†	2581474.0	2560292.7	20.0924	mg/L	20.0924	mg/L	11:49:16
1	Mo 202.031†	106.8	17.7	0.0012782	mg/L	0.0012782	mg/L	11:49:41
1	Ni 231.604†	224018.3	221761.2	20.7760	mg/L	20.7760	mg/L	11:49:16
1	Pb 220.353†	4.9	32.5	-0.0242159	mg/L	-0.0242159	mg/L	11:49:41
1	Sb 217.584†	-120.8	-71.9	-0.0294702	mg/L	-0.0294702	mg/L	11:49:41
1	Se 196.026†	-22.9	16.9	0.0295456	mg/L	0.0295456	mg/L	11:49:41
1	Si 251.611†	12464.4	12083.6	0.647377	mg/L	0.647377	mg/L	11:49:21
1	Sn 189.927†	-22.7	-40.2	-0.0229511	mg/L	-0.0229511	mg/L	11:49:41
1	Tl 190.801†	-308.9	-260.7	-0.143183	mg/L	-0.143183	mg/L	11:49:41
1	V 292.395†	873279.0	867332.2	20.6256	mg/L	20.6256	mg/L	11:49:16
1	Zn 206.200†	101.6	173.5	0.0110319	mg/L	0.0110319	mg/L	11:49:21
2	Y 360.076	147987.4	147987.4	103.298	%			11:48:49
2	Al 396.153†	479.9	290.7	0.0632485	mg/L	0.0632485	mg/L	11:48:49
2	Ba 455.398†	74.2	65.2	-0.0007984	mg/L	-0.0007984	mg/L	11:48:49
2	Ca 315.887†	95.6	-39.1	-0.0423925	mg/L	-0.0423925	mg/L	11:49:09
2	Fe 238.204†	37.5	-6.8	-0.0125753	mg/L	-0.0125753	mg/L	11:49:09
2	K 766.490	-13.8	-26.9	-0.0583510	mg/L	-0.0583510	mg/L	11:48:49
2	Li 670.784†	141.2	150.0	0.0033577	mg/L	0.0033577	mg/L	11:48:49
2	Mg 279.071†	-64.7	-77.8	-0.201135	mg/L	-0.201135	mg/L	11:49:09
2	Na 589.592†	1204.4	257.4	0.0290397	mg/L	0.0290397	mg/L	11:48:49
2	Sr 407.771†	747.8	-21.0	-0.0011310	mg/L	-0.0011310	mg/L	11:48:49
2	Ti 334.940†	289099.8	279873.6	20.0333	mg/L	20.0333	mg/L	11:48:49
2	Sc 357.234	204917.5	204917.5	101.463	%			11:49:47
2	Ag 328.068†	-334.3	-393.7	-0.0019023	mg/L	-0.0019023	mg/L	11:49:52
2	As 188.979†	76.6	103.7	-0.0126788	mg/L	-0.0126788	mg/L	11:50:12
2	B 249.677†	931.8	111.0	0.0152404	mg/L	0.0152404	mg/L	11:50:12
2	Be 234.861†	-767.1	78.8	0.0002323	mg/L	0.0002323	mg/L	11:50:12
2	Cd 214.437†	591.3	369.8	0.0033091	mg/L	0.0033091	mg/L	11:50:12
2	Ce 413.764†	508.1	95.3	-0.0006926	mg/L	-0.0006926	mg/L	11:49:52
2	Co 228.616†	153.5	228.7	-0.0035462	mg/L	-0.0035462	mg/L	11:50:12
2	Cr 205.557†	209744.5	206748.9	20.3782	mg/L	20.3782	mg/L	11:49:47
2	Cu 327.397†	681404.4	671405.1	21.1610	mg/L	21.1610	mg/L	11:49:47
2	Mn 257.610†	2594604.3	2556966.3	20.0663	mg/L	20.0663	mg/L	11:49:47
2	Mo 202.031†	104.1	14.4	0.0008132	mg/L	0.0008132	mg/L	11:50:12
2	Ni 231.604†	225311.8	221624.3	20.7632	mg/L	20.7632	mg/L	11:49:47
2	Pb 220.353†	9.8	37.3	-0.0212050	mg/L	-0.0212050	mg/L	11:50:12

2	Sb 217.584†	-118.9	-69.2	-0.0273359 mg/L	-0.0273359 mg/L	11:50:12
2	Se 196.026†	-28.3	11.7	0.0184663 mg/L	0.0184663 mg/L	11:50:12
2	Si 251.611†	12663.6	12201.4	0.656119 mg/L	0.656119 mg/L	11:49:52
2	Sn 189.927†	-28.2	-45.4	-0.0257794 mg/L	-0.0257794 mg/L	11:50:12
2	Tl 190.801†	-309.6	-259.4	-0.140347 mg/L	-0.140347 mg/L	11:50:12
2	V 292.395†	878279.8	866757.8	20.6118 mg/L	20.6118 mg/L	11:49:47
2	Zn 206.200†	95.2	166.6	0.0101726 mg/L	0.0101726 mg/L	11:49:52

Mean Data: 0B02016-IFA2

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	204266.5	101.140	%	0.4558				0.45%
Y 360.076	147326.2	102.837	%	0.6528				0.63%
Ag 328.068†	-403.7	-0.0020711	mg/L	0.00023876	-0.0020711	mg/L	0.00023876	11.53%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	279.7	0.0595802	mg/L	0.00518776	0.0595802	mg/L	0.00518776	8.71%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	98.7	-0.0207980	mg/L	0.01148233	-0.0207980	mg/L	0.01148233	55.21%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	108.0	0.0150999	mg/L	0.00019865	0.0150999	mg/L	0.00019865	1.32%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	50.3	-0.0008518	mg/L	0.00007545	-0.0008518	mg/L	0.00007545	8.86%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	73.9	0.0002055	mg/L	0.00003793	0.0002055	mg/L	0.00003793	18.46%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	-31.6	-0.0367272	mg/L	0.00801194	-0.0367272	mg/L	0.00801194	21.81%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	375.2	0.0035376	mg/L	0.00032309	0.0035376	mg/L	0.00032309	9.13%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	67.8	-0.0015028	mg/L	0.00114573	-0.0015028	mg/L	0.00114573	76.24%
Co 228.616†	226.1	-0.0038958	mg/L	0.00049449	-0.0038958	mg/L	0.00049449	12.69%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	206797.1	20.3830	mg/L	0.00671	20.3830	mg/L	0.00671	0.03%
QC value within limits for Cr 205.557 Recovery = 101.91%								
Cu 327.397†	671956.0	21.1783	mg/L	0.02449	21.1783	mg/L	0.02449	0.12%
QC value within limits for Cu 327.397 Recovery = 105.89%								
Fe 238.204†	-8.5	-0.0134076	mg/L	0.00117696	-0.0134076	mg/L	0.00117696	8.78%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	-19.1	-0.0457991	mg/L	0.01775116	-0.0457991	mg/L	0.01775116	38.76%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	159.5	0.0036383	mg/L	0.00039684	0.0036383	mg/L	0.00039684	10.91%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	-73.1	-0.190403	mg/L	0.0151771	-0.190403	mg/L	0.0151771	7.97%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	2558629.5	20.0794	mg/L	0.01846	20.0794	mg/L	0.01846	0.09%
QC value within limits for Mn 257.610 Recovery = 100.40%								
Mo 202.031†	16.1	0.0010457	mg/L	0.00032878	0.0010457	mg/L	0.00032878	31.44%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	248.6	0.0276719	mg/L	0.00193433	0.0276719	mg/L	0.00193433	6.99%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	221692.8	20.7696	mg/L	0.00907	20.7696	mg/L	0.00907	0.04%
QC value within limits for Ni 231.604 Recovery = 103.85%								
Pb 220.353†	34.9	-0.0227105	mg/L	0.00212901	-0.0227105	mg/L	0.00212901	9.37%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	-70.6	-0.0284031	mg/L	0.00150916	-0.0284031	mg/L	0.00150916	5.31%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	14.3	0.0240060	mg/L	0.00783424	0.0240060	mg/L	0.00783424	32.63%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	12142.5	0.651748	mg/L	0.0061815	0.651748	mg/L	0.0061815	0.95%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-42.8	-0.0243653	mg/L	0.00199994	-0.0243653	mg/L	0.00199994	8.21%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	-25.0	-0.0011364	mg/L	0.00000768	-0.0011364	mg/L	0.00000768	0.68%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	279129.1	19.9800	mg/L	0.07537	19.9800	mg/L	0.07537	0.38%
QC value within limits for Ti 334.940 Recovery = 99.90%								
Tl 190.801†	-260.0	-0.141765	mg/L	0.0020055	-0.141765	mg/L	0.0020055	1.41%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	867045.0	20.6187	mg/L	0.00972	20.6187	mg/L	0.00972	0.05%
QC value within limits for V 292.395 Recovery = 103.09%								

Zn 206.200† 170.0 0.0106023 mg/L 0.00060761 0.0106023 mg/L 0.00060761 5.73%
QC value within limits for Zn 206.200 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 11 **Autosampler Location: 13**
Sample ID: 0B02016-IFB1 **Date Collected: 2/5/2010 11:53:09 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0B02016-IFB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	143621.0	143621.0	100.251	%			11:54:15
1	Al 396.153†	299566.9	298644.3	100.602	mg/L	100.602	mg/L	11:54:15
1	Ba 455.398†	127672.6	127346.9	0.455590	mg/L	0.455590	mg/L	11:54:15
1	Ca 315.887†	131354.9	130895.0	98.3672	mg/L	98.3672	mg/L	11:54:15
1	Fe 238.204†	83127.7	82876.8	39.5341	mg/L	39.5341	mg/L	11:54:15
1	K 766.490	8.0	-5.2	-0.0233571	mg/L	-0.0233571	mg/L	11:54:35
1	Li 670.784†	46.2	59.4	0.0006768	mg/L	0.0006768	mg/L	11:54:35
1	Mg 279.071†	42972.7	42850.2	99.0346	mg/L	99.0346	mg/L	11:54:15
1	Na 589.592†	924.3	13.5	-0.0090695	mg/L	-0.0090695	mg/L	11:54:35
1	Sr 407.771†	1275.3	527.2	-0.0003851	mg/L	-0.0003851	mg/L	11:54:15
1	Ti 334.940†	-10.1	-5.2	-0.0003129	mg/L	-0.0003129	mg/L	11:54:35
1	Sc 357.234	202888.6	202888.6	100.458	%			11:55:07
1	Ag 328.068†	60158.0	59819.4	1.00686	mg/L	1.00686	mg/L	11:55:07
1	As 188.979†	-36.6	-8.2	-0.0230941	mg/L	-0.0230941	mg/L	11:55:27
1	B 249.677†	583.3	-226.8	-0.0130076	mg/L	-0.0130076	mg/L	11:55:07
1	Be 234.861†	11130.2	11914.3	0.0510088	mg/L	0.0510088	mg/L	11:55:07
1	Cd 214.437†	22373.3	22058.3	0.985680	mg/L	0.985680	mg/L	11:55:07
1	Ce 413.764†	416.6	9.3	0.0003779	mg/L	0.0003779	mg/L	11:55:07
1	Co 228.616†	2636.7	2702.0	0.498612	mg/L	0.498612	mg/L	11:55:27
1	Cr 205.557†	5101.6	5106.2	0.503481	mg/L	0.503481	mg/L	11:55:27
1	Cu 327.397†	17400.3	17144.1	0.535651	mg/L	0.535651	mg/L	11:55:07
1	Mn 257.610†	65345.0	64809.9	0.508686	mg/L	0.508686	mg/L	11:55:07
1	Mo 202.031†	154.3	65.4	0.0079563	mg/L	0.0079563	mg/L	11:55:27
1	Ni 231.604†	11081.2	10591.1	0.990403	mg/L	0.990403	mg/L	11:55:07
1	Pb 220.353†	1692.2	1712.1	1.01130	mg/L	1.01130	mg/L	11:55:27
1	Sb 217.584†	-257.9	-208.8	-0.0575885	mg/L	-0.0575885	mg/L	11:55:27
1	Se 196.026†	-18.2	21.5	0.0858693	mg/L	0.0858693	mg/L	11:55:27
1	Si 251.611†	501.2	219.3	0.0175736	mg/L	0.0175736	mg/L	11:55:27
1	Sn 189.927†	-121.0	-138.1	-0.0543648	mg/L	-0.0543648	mg/L	11:55:27
1	Tl 190.801†	-60.0	-14.0	-0.0238543	mg/L	-0.0238543	mg/L	11:55:27
1	V 292.395†	20586.7	21631.2	0.506509	mg/L	0.506509	mg/L	11:55:07
1	Zn 206.200†	7854.1	7891.1	0.971034	mg/L	0.971034	mg/L	11:55:07
2	Y 360.076	143972.1	143972.1	100.496	%			11:54:40
2	Al 396.153†	303993.3	302320.2	101.840	mg/L	101.840	mg/L	11:54:40
2	Ba 455.398†	129611.1	128965.3	0.461393	mg/L	0.461393	mg/L	11:54:40
2	Ca 315.887†	133351.8	132562.6	99.6206	mg/L	99.6206	mg/L	11:54:40
2	Fe 238.204†	84397.1	83937.8	40.0402	mg/L	40.0402	mg/L	11:54:40
2	K 766.490	19.4	6.2	-0.0050436	mg/L	-0.0050436	mg/L	11:55:00
2	Li 670.784†	47.0	60.0	0.0006945	mg/L	0.0006945	mg/L	11:55:00
2	Mg 279.071†	43612.1	43381.9	100.264	mg/L	100.264	mg/L	11:54:40
2	Na 589.592†	906.8	-6.2	-0.0121468	mg/L	-0.0121468	mg/L	11:55:00
2	Sr 407.771†	1311.9	560.5	-0.0003398	mg/L	-0.0003398	mg/L	11:54:40
2	Ti 334.940†	-14.2	-9.2	-0.0006032	mg/L	-0.0006032	mg/L	11:55:00
2	Sc 357.234	200162.1	200162.1	99.1080	%			11:55:32
2	Ag 328.068†	59254.3	59723.3	1.00532	mg/L	1.00532	mg/L	11:55:32
2	As 188.979†	-35.2	-7.3	-0.0215923	mg/L	-0.0215923	mg/L	11:55:52
2	B 249.677†	596.5	-205.5	-0.0116521	mg/L	-0.0116521	mg/L	11:55:32
2	Be 234.861†	10958.2	11891.8	0.0507065	mg/L	0.0507065	mg/L	11:55:32
2	Cd 214.437†	21985.9	21970.8	0.981519	mg/L	0.981519	mg/L	11:55:32
2	Ce 413.764†	313.2	-89.5	-0.0026061	mg/L	-0.0026061	mg/L	11:55:32
2	Co 228.616†	2630.6	2731.6	0.504104	mg/L	0.504104	mg/L	11:55:52
2	Cr 205.557†	5089.4	5163.0	0.509120	mg/L	0.509120	mg/L	11:55:52
2	Cu 327.397†	17143.5	17120.9	0.534918	mg/L	0.534918	mg/L	11:55:32
2	Mn 257.610†	64347.5	64689.5	0.507760	mg/L	0.507760	mg/L	11:55:32
2	Mo 202.031†	139.9	53.0	0.0062159	mg/L	0.0062159	mg/L	11:55:52
2	Ni 231.604†	10933.8	10592.6	0.990528	mg/L	0.990528	mg/L	11:55:32

2	Pb 220.353†	1690.8	1733.6	1.02406 mg/L	1.02406 mg/L	11:55:52
2	Sb 217.584†	-259.7	-214.1	-0.0604669 mg/L	-0.0604669 mg/L	11:55:52
2	Se 196.026†	-21.4	18.0	0.0789884 mg/L	0.0789884 mg/L	11:55:52
2	Si 251.611†	526.6	251.7	0.0208855 mg/L	0.0208855 mg/L	11:55:52
2	Sn 189.927†	-120.5	-139.3	-0.0547316 mg/L	-0.0547316 mg/L	11:55:52
2	Tl 190.801†	-58.9	-13.7	-0.0234805 mg/L	-0.0234805 mg/L	11:55:52
2	V 292.395†	20261.8	21582.5	0.505237 mg/L	0.505237 mg/L	11:55:32
2	Zn 206.200†	7729.5	7871.8	0.968547 mg/L	0.968547 mg/L	11:55:32

Mean Data: 0B02016-IFB1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	201525.3	99.7830	%	0.95457				0.96%
Y 360.076	143796.6	100.373	%	0.1733				0.17%
Ag 328.068†	59771.3	1.00609	mg/L	0.001090	1.00609	mg/L	0.001090	0.11%
QC value within limits for Ag 328.068 Recovery = 100.61%								
Al 396.153†	300482.3	101.221	mg/L	0.8758	101.221	mg/L	0.8758	0.87%
QC value within limits for Al 396.153 Recovery = 101.22%								
As 188.979†	-7.7	-0.0223432	mg/L	0.00106196	-0.0223432	mg/L	0.00106196	4.75%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-216.1	-0.0123299	mg/L	0.00095848	-0.0123299	mg/L	0.00095848	7.77%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	128156.1	0.458491	mg/L	0.0041034	0.458491	mg/L	0.0041034	0.89%
QC value within limits for Ba 455.398 Recovery = 91.70%								
Be 234.861†	11903.0	0.0508577	mg/L	0.00021381	0.0508577	mg/L	0.00021381	0.42%
QC value within limits for Be 234.861 Recovery = 101.72%								
Ca 315.887†	131728.8	98.9939	mg/L	0.88626	98.9939	mg/L	0.88626	0.90%
QC value within limits for Ca 315.887 Recovery = 98.99%								
Cd 214.437†	22014.6	0.983600	mg/L	0.0029422	0.983600	mg/L	0.0029422	0.30%
QC value within limits for Cd 214.437 Recovery = 98.36%								
Ce 413.764†	-40.1	-0.0011141	mg/L	0.00211001	-0.0011141	mg/L	0.00211001	189.39%
Co 228.616†	2716.8	0.501358	mg/L	0.0038832	0.501358	mg/L	0.0038832	0.77%
QC value within limits for Co 228.616 Recovery = 100.27%								
Cr 205.557†	5134.6	0.506301	mg/L	0.0039870	0.506301	mg/L	0.0039870	0.79%
QC value within limits for Cr 205.557 Recovery = 101.26%								
Cu 327.397†	17132.5	0.535284	mg/L	0.0005178	0.535284	mg/L	0.0005178	0.10%
QC value within limits for Cu 327.397 Recovery = 107.06%								
Fe 238.204†	83407.3	39.7871	mg/L	0.35789	39.7871	mg/L	0.35789	0.90%
QC value within limits for Fe 238.204 Recovery = 99.47%								
K 766.490	0.5	-0.0142004	mg/L	0.01294959	-0.0142004	mg/L	0.01294959	91.19%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	59.7	0.0006856	mg/L	0.00001250	0.0006856	mg/L	0.00001250	1.82%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	43116.1	99.6492	mg/L	0.86915	99.6492	mg/L	0.86915	0.87%
QC value within limits for Mg 279.071 Recovery = 99.65%								
Mn 257.610†	64749.7	0.508223	mg/L	0.0006551	0.508223	mg/L	0.0006551	0.13%
QC value within limits for Mn 257.610 Recovery = 101.64%								
Mo 202.031†	59.2	0.0070861	mg/L	0.00123066	0.0070861	mg/L	0.00123066	17.37%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	3.6	-0.0106082	mg/L	0.00217604	-0.0106082	mg/L	0.00217604	20.51%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	10591.8	0.990465	mg/L	0.0000884	0.990465	mg/L	0.0000884	0.01%
QC value within limits for Ni 231.604 Recovery = 99.05%								
Pb 220.353†	1722.9	1.01768	mg/L	0.009021	1.01768	mg/L	0.009021	0.89%
QC value within limits for Pb 220.353 Recovery = 101.77%								
Sb 217.584†	-211.4	-0.0590277	mg/L	0.00203540	-0.0590277	mg/L	0.00203540	3.45%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	19.7	0.0824289	mg/L	0.00486552	0.0824289	mg/L	0.00486552	5.90%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	235.5	0.0192295	mg/L	0.00234183	0.0192295	mg/L	0.00234183	12.18%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-138.7	-0.0545482	mg/L	0.00025938	-0.0545482	mg/L	0.00025938	0.48%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	543.9	-0.0003625	mg/L	0.00003205	-0.0003625	mg/L	0.00003205	8.84%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	-7.2	-0.0004581	mg/L	0.00020531	-0.0004581	mg/L	0.00020531	44.82%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-13.8	-0.0236674	mg/L	0.00026427	-0.0236674	mg/L	0.00026427	1.12%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	21606.9	0.505873	mg/L	0.0008994	0.505873	mg/L	0.0008994	0.18%

QC value within limits for V 292.395 Recovery = 101.17%
Zn 206.200† 7881.4 0.969791 mg/L 0.0017586 0.969791 mg/L 0.0017586 0.18%
QC value within limits for Zn 206.200 Recovery = 96.98%
All analyte(s) passed QC.

Sequence No.: 12 **Autosampler Location: 14**
Sample ID: 0B02016-IFB2 **Date Collected: 2/5/2010 11:58:49 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0B02016-IFB2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	143889.4	143889.4	100.438	%			11:59:54
1	Al 396.153†	3468.8	3279.8	1.05344	mg/L	1.05344	mg/L	11:59:54
1	Ba 455.398†	67.0	60.1	-0.0008166	mg/L	-0.0008166	mg/L	11:59:54
1	Ca 315.887†	6741.2	6580.2	4.93267	mg/L	4.93267	mg/L	11:59:54
1	Fe 238.204†	44.2	0.9	-0.0089949	mg/L	-0.0089949	mg/L	12:00:14
1	K 766.490	-7.3	-20.4	-0.0478876	mg/L	-0.0478876	mg/L	11:59:54
1	Li 670.784†	176.2	188.7	0.0045025	mg/L	0.0045025	mg/L	11:59:54
1	Mg 279.071†	2214.7	2189.9	5.04109	mg/L	5.04109	mg/L	12:00:14
1	Na 589.592†	34094.9	33037.7	5.15048	mg/L	5.15048	mg/L	11:59:54
1	Sr 407.771†	781.7	33.4	-0.0010570	mg/L	-0.0010570	mg/L	11:59:54
1	Ti 334.940†	281787.7	280564.1	20.0828	mg/L	20.0828	mg/L	11:59:54
1	Sc 357.234	207717.5	207717.5	102.849	%			12:00:51
1	Ag 328.068†	-208.4	-266.9	0.0001384	mg/L	0.0001384	mg/L	12:00:51
1	As 188.979†	703.0	711.8	1.01398	mg/L	1.01398	mg/L	12:01:11
1	B 249.677†	16983.9	15706.1	0.974715	mg/L	0.974715	mg/L	12:00:51
1	Be 234.861†	-781.9	74.6	0.0002011	mg/L	0.0002011	mg/L	12:01:11
1	Cd 214.437†	595.6	366.1	0.0033132	mg/L	0.0033132	mg/L	12:01:11
1	Ce 413.764†	432.2	14.7	-0.0032552	mg/L	-0.0032552	mg/L	12:00:51
1	Co 228.616†	144.5	217.9	-0.0056569	mg/L	-0.0056569	mg/L	12:01:11
1	Cr 205.557†	209438.1	203664.4	20.0742	mg/L	20.0742	mg/L	12:00:51
1	Cu 327.397†	670617.1	651863.6	20.5454	mg/L	20.5454	mg/L	12:00:46
1	Mn 257.610†	2557274.8	2486199.4	19.5109	mg/L	19.5109	mg/L	12:00:46
1	Mo 202.031†	7380.8	7088.2	0.991285	mg/L	0.991285	mg/L	12:01:11
1	Ni 231.604†	224972.6	218301.1	20.4536	mg/L	20.4536	mg/L	12:00:51
1	Pb 220.353†	-3.6	24.1	-0.0273703	mg/L	-0.0273703	mg/L	12:01:11
1	Sb 217.584†	1128.0	1144.7	0.972938	mg/L	0.972938	mg/L	12:01:11
1	Se 196.026†	446.8	474.0	1.00687	mg/L	1.00687	mg/L	12:01:11
1	Si 251.611†	11771.9	11166.1	0.553451	mg/L	0.553451	mg/L	12:01:11
1	Sn 189.927†	-46.2	-62.5	-0.0339442	mg/L	-0.0339442	mg/L	12:01:11
1	Tl 190.801†	411.6	446.0	0.854342	mg/L	0.854342	mg/L	12:01:11
1	V 292.395†	865827.9	842982.2	20.0565	mg/L	20.0565	mg/L	12:00:46
1	Zn 206.200†	54.1	125.4	0.0057410	mg/L	0.0057410	mg/L	12:00:51
2	Y 360.076	144427.7	144427.7	100.814	%			12:00:19
2	Al 396.153†	3505.1	3303.0	1.06094	mg/L	1.06094	mg/L	12:00:19
2	Ba 455.398†	83.0	75.7	-0.0007607	mg/L	-0.0007607	mg/L	12:00:19
2	Ca 315.887†	6814.6	6628.0	4.96859	mg/L	4.96859	mg/L	12:00:19
2	Fe 238.204†	43.2	-0.3	-0.0095886	mg/L	-0.0095886	mg/L	12:00:39
2	K 766.490	3.8	-9.4	-0.0301080	mg/L	-0.0301080	mg/L	12:00:19
2	Li 670.784†	192.9	204.6	0.0049738	mg/L	0.0049738	mg/L	12:00:19
2	Mg 279.071†	2211.7	2178.8	5.01530	mg/L	5.01530	mg/L	12:00:39
2	Na 589.592†	34229.8	33045.0	5.15162	mg/L	5.15162	mg/L	12:00:19
2	Sr 407.771†	791.9	40.6	-0.0010471	mg/L	-0.0010471	mg/L	12:00:19
2	Ti 334.940†	283413.1	281130.7	20.1233	mg/L	20.1233	mg/L	12:00:19
2	Sc 357.234	205718.2	205718.2	101.859	%			12:01:22
2	Ag 328.068†	-207.0	-267.5	0.0001861	mg/L	0.0001861	mg/L	12:01:22
2	As 188.979†	707.9	723.3	1.03341	mg/L	1.03341	mg/L	12:01:42
2	B 249.677†	16728.8	15616.0	0.968980	mg/L	0.968980	mg/L	12:01:22
2	Be 234.861†	-781.0	68.1	0.0001656	mg/L	0.0001656	mg/L	12:01:42
2	Cd 214.437†	597.5	373.6	0.0038057	mg/L	0.0038057	mg/L	12:01:42
2	Ce 413.764†	484.7	70.3	-0.0015471	mg/L	-0.0015471	mg/L	12:01:22
2	Co 228.616†	144.0	218.7	-0.0055922	mg/L	-0.0055922	mg/L	12:01:42
2	Cr 205.557†	206032.0	202299.5	19.9396	mg/L	19.9396	mg/L	12:01:22
2	Cu 327.397†	672104.0	659660.4	20.7911	mg/L	20.7911	mg/L	12:01:17
2	Mn 257.610†	2561026.3	2514047.3	19.7295	mg/L	19.7295	mg/L	12:01:17
2	Mo 202.031†	7429.4	7205.7	1.00774	mg/L	1.00774	mg/L	12:01:42

2	Ni 231.604†	221338.2	216858.9	20.3185 mg/L	20.3185 mg/L	12:01:22
2	Pb 220.353†	12.5	39.9	-0.0186289 mg/L	-0.0186289 mg/L	12:01:42
2	Sb 217.584†	1125.2	1152.6	0.979231 mg/L	0.979231 mg/L	12:01:42
2	Se 196.026†	447.3	478.8	1.01706 mg/L	1.01706 mg/L	12:01:42
2	Si 251.611†	12095.2	11594.8	0.594367 mg/L	0.594367 mg/L	12:01:42
2	Sn 189.927†	-42.8	-59.6	-0.0323590 mg/L	-0.0323590 mg/L	12:01:42
2	Tl 190.801†	421.4	459.4	0.874126 mg/L	0.874126 mg/L	12:01:42
2	V 292.395†	867036.6	852350.5	20.2797 mg/L	20.2797 mg/L	12:01:17
2	Zn 206.200†	45.5	117.4	0.0048195 mg/L	0.0048195 mg/L	12:01:22

Mean Data: 0B02016-IFB2

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	206717.9	102.354	%	0.7000				0.68%
Y 360.076	144158.5	100.626	%	0.2657				0.26%
Ag 328.068†	-267.2	0.0001623	mg/L	0.00003372	0.0001623	mg/L	0.00003372	20.78%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	3291.4	1.05719	mg/L	0.005302	1.05719	mg/L	0.005302	0.50%
QC value within limits for Al 396.153 Recovery = 105.72%								
As 188.979†	717.5	1.02369	mg/L	0.013741	1.02369	mg/L	0.013741	1.34%
QC value within limits for As 188.979 Recovery = 102.37%								
B 249.677†	15661.1	0.971848	mg/L	0.0040551	0.971848	mg/L	0.0040551	0.42%
QC value within limits for B 249.677 Recovery = 97.18%								
Ba 455.398†	67.9	-0.0007887	mg/L	0.00003949	-0.0007887	mg/L	0.00003949	5.01%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	71.4	0.0001833	mg/L	0.00002508	0.0001833	mg/L	0.00002508	13.68%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	6604.1	4.95063	mg/L	0.025399	4.95063	mg/L	0.025399	0.51%
QC value within limits for Ca 315.887 Recovery = 99.01%								
Cd 214.437†	369.9	0.0035595	mg/L	0.00034826	0.0035595	mg/L	0.00034826	9.78%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	42.5	-0.0024011	mg/L	0.00120782	-0.0024011	mg/L	0.00120782	50.30%
Co 228.616†	218.3	-0.0056246	mg/L	0.00004573	-0.0056246	mg/L	0.00004573	0.81%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	202981.9	20.0069	mg/L	0.09514	20.0069	mg/L	0.09514	0.48%
QC value within limits for Cr 205.557 Recovery = 100.03%								
Cu 327.397†	655762.0	20.6682	mg/L	0.17371	20.6682	mg/L	0.17371	0.84%
QC value within limits for Cu 327.397 Recovery = 103.34%								
Fe 238.204†	0.3	-0.0092917	mg/L	0.00041975	-0.0092917	mg/L	0.00041975	4.52%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	-14.9	-0.0389978	mg/L	0.01257206	-0.0389978	mg/L	0.01257206	32.24%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	196.7	0.0047382	mg/L	0.00033330	0.0047382	mg/L	0.00033330	7.03%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	2184.4	5.02819	mg/L	0.018235	5.02819	mg/L	0.018235	0.36%
QC value within limits for Mg 279.071 Recovery = 100.56%								
Mn 257.610†	2500123.4	19.6202	mg/L	0.15454	19.6202	mg/L	0.15454	0.79%
QC value within limits for Mn 257.610 Recovery = 98.10%								
Mo 202.031†	7146.9	0.999510	mg/L	0.0116325	0.999510	mg/L	0.0116325	1.16%
QC value within limits for Mo 202.031 Recovery = 99.95%								
Na 589.592†	33041.3	5.15105	mg/L	0.000805	5.15105	mg/L	0.000805	0.02%
QC value within limits for Na 589.592 Recovery = 103.02%								
Ni 231.604†	217580.0	20.3860	mg/L	0.09553	20.3860	mg/L	0.09553	0.47%
QC value within limits for Ni 231.604 Recovery = 101.93%								
Pb 220.353†	32.0	-0.0229996	mg/L	0.00618109	-0.0229996	mg/L	0.00618109	26.87%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	1148.6	0.976084	mg/L	0.0044497	0.976084	mg/L	0.0044497	0.46%
QC value within limits for Sb 217.584 Recovery = 97.61%								
Se 196.026†	476.4	1.01196	mg/L	0.007206	1.01196	mg/L	0.007206	0.71%
QC value within limits for Se 196.026 Recovery = 101.20%								
Si 251.611†	11380.5	0.573909	mg/L	0.0289318	0.573909	mg/L	0.0289318	5.04%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-61.1	-0.0331516	mg/L	0.00112093	-0.0331516	mg/L	0.00112093	3.38%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	37.0	-0.0010521	mg/L	0.00000700	-0.0010521	mg/L	0.00000700	0.67%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	280847.4	20.1030	mg/L	0.02868	20.1030	mg/L	0.02868	0.14%
QC value within limits for Ti 334.940 Recovery = 100.52%								
Tl 190.801†	452.7	0.864234	mg/L	0.0139891	0.864234	mg/L	0.0139891	1.62%
QC value within limits for Tl 190.801 Recovery = 86.42%								

V 292.395† 847666.3 20.1681 mg/L 0.15782 20.1681 mg/L 0.15782 0.78%
QC value within limits for V 292.395 Recovery = 100.84%
Zn 206.200† 121.4 0.0052803 mg/L 0.00065159 0.0052803 mg/L 0.00065159 12.34%
QC value within limits for Zn 206.200 Recovery = Not calculated
All analyte(s) passed QC.

==========

Sequence No.: 13 **Autosampler Location: 4**
Sample ID: 0B02016-CCV **Date Collected: 2/5/2010 12:04:37 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0B02016-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	144991.2	144991.2	101.207	%			12:05:43
1	Al 396.153†	7846.0	7578.6	2.52405	mg/L	2.52405	mg/L	12:05:43
1	Ba 455.398†	142691.2	140983.0	0.504484	mg/L	0.504484	mg/L	12:05:43
1	Ca 315.887†	6832.1	6619.0	4.96185	mg/L	4.96185	mg/L	12:06:03
1	Fe 238.204†	1097.5	1041.3	0.495512	mg/L	0.495512	mg/L	12:06:03
1	K 766.490	3140.8	3127.6	5.01799	mg/L	5.01799	mg/L	12:06:03
1	Li 670.784†	17347.0	17153.5	0.506518	mg/L	0.506518	mg/L	12:05:43
1	Mg 279.071†	2207.1	2165.7	4.98501	mg/L	4.98501	mg/L	12:06:03
1	Na 589.592†	33571.5	32262.6	5.02938	mg/L	5.02938	mg/L	12:05:43
1	Sr 407.771†	376112.5	370882.3	0.503470	mg/L	0.503470	mg/L	12:05:43
1	Ti 334.940†	7025.7	6946.8	0.497306	mg/L	0.497306	mg/L	12:06:03
1	Sc 357.234	204796.1	204796.1	101.402	%			12:06:35
1	Ag 328.068†	30468.8	29983.1	0.501734	mg/L	0.501734	mg/L	12:06:35
1	As 188.979†	1478.9	1486.7	2.49659	mg/L	2.49659	mg/L	12:06:55
1	B 249.677†	8900.4	7969.9	0.486724	mg/L	0.486724	mg/L	12:06:35
1	Be 234.861†	8561.3	9277.7	0.0503880	mg/L	0.0503880	mg/L	12:06:55
1	Cd 214.437†	11504.0	11131.9	0.503908	mg/L	0.503908	mg/L	12:06:55
1	Ce 413.764†	387.1	-23.7	-0.0008074	mg/L	-0.0008074	mg/L	12:06:35
1	Co 228.616†	2687.9	2728.0	0.503838	mg/L	0.503838	mg/L	12:06:55
1	Cr 205.557†	5204.6	5160.5	0.506739	mg/L	0.506739	mg/L	12:06:55
1	Cu 327.397†	16854.0	16444.0	0.513897	mg/L	0.513897	mg/L	12:06:35
1	Mn 257.610†	65504.9	64361.8	0.503701	mg/L	0.503701	mg/L	12:06:35
1	Mo 202.031†	3754.4	3614.3	0.504870	mg/L	0.504870	mg/L	12:06:55
1	Ni 231.604†	5971.7	5449.6	0.509561	mg/L	0.509561	mg/L	12:06:55
1	Pb 220.353†	833.8	849.9	0.500917	mg/L	0.500917	mg/L	12:06:55
1	Sb 217.584†	3067.4	3072.9	2.52980	mg/L	2.52980	mg/L	12:06:55
1	Se 196.026†	1167.5	1191.0	2.54033	mg/L	2.54033	mg/L	12:06:55
1	Si 251.611†	26437.4	25792.0	2.49875	mg/L	2.49875	mg/L	12:06:35
1	Sn 189.927†	4737.5	4654.4	2.51500	mg/L	2.51500	mg/L	12:06:55
1	Tl 190.801†	1764.7	1786.0	2.52067	mg/L	2.52067	mg/L	12:06:55
1	V 292.395†	20393.9	21250.2	0.509558	mg/L	0.509558	mg/L	12:06:35
1	Zn 206.200†	4054.6	4071.2	0.503713	mg/L	0.503713	mg/L	12:06:55
2	Y 360.076	144296.0	144296.0	100.722	%			12:06:09
2	Al 396.153†	7758.3	7528.8	2.50734	mg/L	2.50734	mg/L	12:06:09
2	Ba 455.398†	141365.2	140345.7	0.502199	mg/L	0.502199	mg/L	12:06:09
2	Ca 315.887†	6829.3	6648.7	4.98415	mg/L	4.98415	mg/L	12:06:29
2	Fe 238.204†	1107.0	1056.0	0.502507	mg/L	0.502507	mg/L	12:06:29
2	K 766.490	3143.9	3130.7	5.02300	mg/L	5.02300	mg/L	12:06:29
2	Li 670.784†	17204.0	17094.0	0.504759	mg/L	0.504759	mg/L	12:06:09
2	Mg 279.071†	2220.6	2189.6	5.04028	mg/L	5.04028	mg/L	12:06:29
2	Na 589.592†	33355.1	32207.6	5.02079	mg/L	5.02079	mg/L	12:06:09
2	Sr 407.771†	372580.9	369166.4	0.501135	mg/L	0.501135	mg/L	12:06:09
2	Ti 334.940†	7023.9	6978.4	0.499572	mg/L	0.499572	mg/L	12:06:29
2	Sc 357.234	205898.2	205898.2	101.948	%			12:07:00
2	Ag 328.068†	30712.4	30061.2	0.503036	mg/L	0.503036	mg/L	12:07:00
2	As 188.979†	1478.1	1478.1	2.48207	mg/L	2.48207	mg/L	12:07:20
2	B 249.677†	9027.4	8047.4	0.491510	mg/L	0.491510	mg/L	12:07:00
2	Be 234.861†	8484.2	9157.0	0.0497250	mg/L	0.0497250	mg/L	12:07:20
2	Cd 214.437†	11438.6	11007.0	0.498240	mg/L	0.498240	mg/L	12:07:20
2	Ce 413.764†	347.8	-64.4	-0.0020357	mg/L	-0.0020357	mg/L	12:07:00
2	Co 228.616†	2670.7	2697.0	0.498076	mg/L	0.498076	mg/L	12:07:20
2	Cr 205.557†	5172.1	5101.1	0.500893	mg/L	0.500893	mg/L	12:07:20
2	Cu 327.397†	17000.1	16498.4	0.515612	mg/L	0.515612	mg/L	12:07:00
2	Mn 257.610†	66109.3	64608.9	0.505641	mg/L	0.505641	mg/L	12:07:00

2	Mo 202.031†	3751.7	3591.8	0.501721 mg/L	0.501721 mg/L	12:07:20
2	Ni 231.604†	5938.6	5385.5	0.503562 mg/L	0.503562 mg/L	12:07:20
2	Pb 220.353†	837.4	849.0	0.500389 mg/L	0.500389 mg/L	12:07:20
2	Sb 217.584†	3056.1	3045.7	2.50738 mg/L	2.50738 mg/L	12:07:20
2	Se 196.026†	1155.3	1172.8	2.50159 mg/L	2.50159 mg/L	12:07:20
2	Si 251.611†	26714.0	25923.9	2.51160 mg/L	2.51160 mg/L	12:07:00
2	Sn 189.927†	4713.8	4606.1	2.48893 mg/L	2.48893 mg/L	12:07:20
2	Tl 190.801†	1750.8	1763.1	2.48828 mg/L	2.48828 mg/L	12:07:20
2	V 292.395†	20568.4	21313.7	0.511035 mg/L	0.511035 mg/L	12:07:00
2	Zn 206.200†	4051.5	4046.8	0.500677 mg/L	0.500677 mg/L	12:07:20

Mean Data: 0B02016-CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	205347.1	101.675	%	0.3858				0.38%
Y 360.076	144643.6	100.964	%	0.3431				0.34%
Ag 328.068†	30022.2	0.502385	mg/L	0.0009206	0.502385	mg/L	0.0009206	0.18%
QC value within limits for Ag 328.068 Recovery = 100.48%								
Al 396.153†	7553.7	2.51569	mg/L	0.011811	2.51569	mg/L	0.011811	0.47%
QC value within limits for Al 396.153 Recovery = 100.63%								
As 188.979†	1482.4	2.48933	mg/L	0.010271	2.48933	mg/L	0.010271	0.41%
QC value within limits for As 188.979 Recovery = 99.57%								
B 249.677†	8008.6	0.489117	mg/L	0.0033839	0.489117	mg/L	0.0033839	0.69%
QC value within limits for B 249.677 Recovery = 97.82%								
Ba 455.398†	140664.3	0.503341	mg/L	0.0016157	0.503341	mg/L	0.0016157	0.32%
QC value within limits for Ba 455.398 Recovery = 100.67%								
Be 234.861†	9217.4	0.0500565	mg/L	0.00046880	0.0500565	mg/L	0.00046880	0.94%
QC value within limits for Be 234.861 Recovery = 100.11%								
Ca 315.887†	6633.9	4.97300	mg/L	0.015769	4.97300	mg/L	0.015769	0.32%
QC value within limits for Ca 315.887 Recovery = 99.46%								
Cd 214.437†	11069.4	0.501074	mg/L	0.0040083	0.501074	mg/L	0.0040083	0.80%
QC value within limits for Cd 214.437 Recovery = 100.21%								
Ce 413.764†	-44.0	-0.0014216	mg/L	0.00086856	-0.0014216	mg/L	0.00086856	61.10%
Co 228.616†	2712.5	0.500957	mg/L	0.0040747	0.500957	mg/L	0.0040747	0.81%
QC value within limits for Co 228.616 Recovery = 100.19%								
Cr 205.557†	5130.8	0.503816	mg/L	0.0041338	0.503816	mg/L	0.0041338	0.82%
QC value within limits for Cr 205.557 Recovery = 100.76%								
Cu 327.397†	16471.2	0.514755	mg/L	0.0012121	0.514755	mg/L	0.0012121	0.24%
QC value within limits for Cu 327.397 Recovery = 102.95%								
Fe 238.204†	1048.6	0.499010	mg/L	0.0049459	0.499010	mg/L	0.0049459	0.99%
QC value within limits for Fe 238.204 Recovery = 99.80%								
K 766.490	3129.2	5.02049	mg/L	0.003541	5.02049	mg/L	0.003541	0.07%
QC value within limits for K 766.490 Recovery = 100.41%								
Li 670.784†	17123.7	0.505638	mg/L	0.0012435	0.505638	mg/L	0.0012435	0.25%
QC value within limits for Li 670.784 Recovery = 101.13%								
Mg 279.071†	2177.6	5.01264	mg/L	0.039079	5.01264	mg/L	0.039079	0.78%
QC value within limits for Mg 279.071 Recovery = 100.25%								
Mn 257.610†	64485.3	0.504671	mg/L	0.0013714	0.504671	mg/L	0.0013714	0.27%
QC value within limits for Mn 257.610 Recovery = 100.93%								
Mo 202.031†	3603.0	0.503296	mg/L	0.0022267	0.503296	mg/L	0.0022267	0.44%
QC value within limits for Mo 202.031 Recovery = 100.66%								
Na 589.592†	32235.1	5.02508	mg/L	0.006078	5.02508	mg/L	0.006078	0.12%
QC value within limits for Na 589.592 Recovery = 100.50%								
Ni 231.604†	5417.5	0.506562	mg/L	0.0042419	0.506562	mg/L	0.0042419	0.84%
QC value within limits for Ni 231.604 Recovery = 101.31%								
Pb 220.353†	849.4	0.500653	mg/L	0.0003732	0.500653	mg/L	0.0003732	0.07%
QC value within limits for Pb 220.353 Recovery = 100.13%								
Sb 217.584†	3059.3	2.51859	mg/L	0.015854	2.51859	mg/L	0.015854	0.63%
QC value within limits for Sb 217.584 Recovery = 100.74%								
Se 196.026†	1181.9	2.52096	mg/L	0.027396	2.52096	mg/L	0.027396	1.09%
QC value within limits for Se 196.026 Recovery = 100.84%								
Si 251.611†	25857.9	2.50517	mg/L	0.009088	2.50517	mg/L	0.009088	0.36%
QC value within limits for Si 251.611 Recovery = 100.21%								
Sn 189.927†	4630.2	2.50197	mg/L	0.018432	2.50197	mg/L	0.018432	0.74%
QC value within limits for Sn 189.927 Recovery = 100.08%								
Sr 407.771†	370024.3	0.502302	mg/L	0.0016507	0.502302	mg/L	0.0016507	0.33%
QC value within limits for Sr 407.771 Recovery = 100.46%								
Ti 334.940†	6962.6	0.498439	mg/L	0.0016019	0.498439	mg/L	0.0016019	0.32%
QC value within limits for Ti 334.940 Recovery = 99.69%								
Tl 190.801†	1774.6	2.50448	mg/L	0.022907	2.50448	mg/L	0.022907	0.91%

QC value within limits for Tl 190.801 Recovery = 100.18%

V 292.395†	21281.9	0.510296 mg/L	0.0010447	0.510296 mg/L	0.0010447	0.20%

QC value within limits for V 292.395 Recovery = 102.06%

Zn 206.200†	4059.0	0.502195 mg/L	0.0021471	0.502195 mg/L	0.0021471	0.43%

QC value within limits for Zn 206.200 Recovery = 100.44%

All analyte(s) passed QC.

Sequence No.: 14
Sample ID: 0B02016-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 2/5/2010 12:08:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B02016-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	144111.7	144111.7	100.593	%			12:09:42
1	Al 396.153†	197.5	22.5	-0.0129829	mg/L	-0.0129829	mg/L	12:09:42
1	Ba 455.398†	40.9	34.1	-0.0009101	mg/L	-0.0009101	mg/L	12:09:42
1	Ca 315.887†	135.9	3.5	-0.0103907	mg/L	-0.0103907	mg/L	12:10:02
1	Fe 238.204†	49.1	5.7	0.0021202	mg/L	0.0021202	mg/L	12:10:02
1	K 766.490	-2.4	-15.5	-0.0400322	mg/L	-0.0400322	mg/L	12:09:42
1	Li 670.784†	9.6	22.9	-0.0004045	mg/L	-0.0004045	mg/L	12:09:42
1	Mg 279.071†	19.7	4.5	-0.0109856	mg/L	-0.0109856	mg/L	12:10:02
1	Na 589.592†	746.3	-166.6	-0.0372107	mg/L	-0.0372107	mg/L	12:09:42
1	Sr 407.771†	760.9	11.5	-0.0010868	mg/L	-0.0010868	mg/L	12:09:42
1	Ti 334.940†	1.7	6.6	0.0005322	mg/L	0.0005322	mg/L	12:10:02
1	Sc 357.234	200611.1	200611.1	99.3303	%			12:10:34
1	Ag 328.068†	60.3	-3.6	0.0000248	mg/L	0.0000248	mg/L	12:10:34
1	As 188.979†	-19.6	8.6	0.0062289	mg/L	0.0062289	mg/L	12:10:54
1	B 249.677†	715.8	-86.8	-0.0078151	mg/L	-0.0078151	mg/L	12:10:54
1	Be 234.861†	-818.4	10.9	-0.0001408	mg/L	-0.0001408	mg/L	12:10:54
1	Cd 214.437†	206.8	-4.8	-0.0016200	mg/L	-0.0016200	mg/L	12:10:54
1	Ce 413.764†	377.0	-26.0	-0.0007859	mg/L	-0.0007859	mg/L	12:10:34
1	Co 228.616†	-80.6	-3.8	-0.0019231	mg/L	-0.0019231	mg/L	12:10:54
1	Cr 205.557†	-14.2	13.5	-0.0006527	mg/L	-0.0006527	mg/L	12:10:54
1	Cu 327.397†	334.8	160.2	0.0006720	mg/L	0.0006720	mg/L	12:10:34
1	Mn 257.610†	242.5	7.0	-0.0013917	mg/L	-0.0013917	mg/L	12:10:54
1	Mo 202.031†	98.5	11.0	0.0003352	mg/L	0.0003352	mg/L	12:10:54
1	Ni 231.604†	436.8	0.2	-0.0010857	mg/L	-0.0010857	mg/L	12:10:54
1	Pb 220.353†	-32.5	-5.1	-0.0045629	mg/L	-0.0045629	mg/L	12:10:54
1	Sb 217.584†	-37.0	10.8	0.0028243	mg/L	0.0028243	mg/L	12:10:54
1	Se 196.026†	-41.5	-2.2	-0.0113408	mg/L	-0.0113408	mg/L	12:10:54
1	Si 251.611†	308.6	31.0	-0.0110112	mg/L	-0.0110112	mg/L	12:10:54
1	Sn 189.927†	23.6	6.1	0.0020870	mg/L	0.0020870	mg/L	12:10:54
1	Tl 190.801†	-51.1	-5.7	-0.0097447	mg/L	-0.0097447	mg/L	12:10:54
1	V 292.395†	-1091.8	39.2	-0.0001506	mg/L	-0.0001506	mg/L	12:10:34
1	Zn 206.200†	-76.6	-4.4	-0.0028657	mg/L	-0.0028657	mg/L	12:10:54
2	Y 360.076	143102.4	143102.4	99.8885	%			12:10:07
2	Al 396.153†	196.8	23.1	-0.0127540	mg/L	-0.0127540	mg/L	12:10:07
2	Ba 455.398†	47.3	40.7	-0.0008862	mg/L	-0.0008862	mg/L	12:10:07
2	Ca 315.887†	122.8	-8.6	-0.0194809	mg/L	-0.0194809	mg/L	12:10:27
2	Fe 238.204†	44.7	1.6	0.0001404	mg/L	0.0001404	mg/L	12:10:27
2	K 766.490	-6.8	-20.0	-0.0471969	mg/L	-0.0471969	mg/L	12:10:07
2	Li 670.784†	35.1	48.5	0.0003525	mg/L	0.0003525	mg/L	12:10:07
2	Mg 279.071†	20.0	5.0	-0.0098774	mg/L	-0.0098774	mg/L	12:10:27
2	Na 589.592†	764.0	-143.7	-0.0336236	mg/L	-0.0336236	mg/L	12:10:07
2	Sr 407.771†	841.1	97.1	-0.0009702	mg/L	-0.0009702	mg/L	12:10:07
2	Ti 334.940†	-2.9	1.9	0.0001970	mg/L	0.0001970	mg/L	12:10:27
2	Sc 357.234	201607.9	201607.9	99.8239	%			12:10:59
2	Ag 328.068†	25.7	-38.6	-0.0005611	mg/L	-0.0005611	mg/L	12:10:59
2	As 188.979†	-27.1	1.1	-0.0063414	mg/L	-0.0063414	mg/L	12:11:19
2	B 249.677†	713.7	-92.4	-0.0081718	mg/L	-0.0081718	mg/L	12:11:19
2	Be 234.861†	-826.3	7.1	-0.0001608	mg/L	-0.0001608	mg/L	12:11:19
2	Cd 214.437†	210.9	-1.7	-0.0014782	mg/L	-0.0014782	mg/L	12:11:19
2	Ce 413.764†	369.3	-35.5	-0.0010739	mg/L	-0.0010739	mg/L	12:10:59
2	Co 228.616†	-70.9	6.3	-0.0000563	mg/L	-0.0000563	mg/L	12:11:19
2	Cr 205.557†	-22.2	5.6	-0.0014341	mg/L	-0.0014341	mg/L	12:11:19
2	Cu 327.397†	333.0	156.7	0.0005612	mg/L	0.0005612	mg/L	12:10:59

2	Mn 257.610†	235.8	-0.9	-0.0014538 mg/L	-0.0014538 mg/L	12:11:19
2	Mo 202.031†	94.0	6.0	-0.0003621 mg/L	-0.0003621 mg/L	12:11:19
2	Ni 231.604†	439.6	0.8	-0.0010376 mg/L	-0.0010376 mg/L	12:11:19
2	Pb 220.353†	-24.7	2.9	0.0001570 mg/L	0.0001570 mg/L	12:11:19
2	Sb 217.584†	-37.8	10.1	0.0022993 mg/L	0.0022993 mg/L	12:11:19
2	Se 196.026†	-33.0	6.5	0.0073329 mg/L	0.0073329 mg/L	12:11:19
2	Si 251.611†	305.8	26.7	-0.0114267 mg/L	-0.0114267 mg/L	12:11:19
2	Sn 189.927†	16.9	-0.7	-0.0016272 mg/L	-0.0016272 mg/L	12:11:19
2	Tl 190.801†	-42.9	2.8	0.0021407 mg/L	0.0021407 mg/L	12:11:19
2	V 292.395†	-1075.4	61.1	0.0003640 mg/L	0.0003640 mg/L	12:10:59
2	Zn 206.200†	-67.2	5.4	-0.0016395 mg/L	-0.0016395 mg/L	12:11:19

Mean Data: 0B02016-CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	201109.5	99.5771	%	0.34898				0.35%
Y 360.076	143607.1	100.241	%	0.4982				0.50%
Ag 328.068†	-21.1	-0.0002682	mg/L	0.00041431	-0.0002682	mg/L	0.00041431	154.48%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	22.8	-0.0128684	mg/L	0.00016191	-0.0128684	mg/L	0.00016191	1.26%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	4.8	-0.0000563	mg/L	0.00888854	-0.0000563	mg/L	0.00888854	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-89.6	-0.0079934	mg/L	0.00025226	-0.0079934	mg/L	0.00025226	3.16%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	37.4	-0.0008981	mg/L	0.00001688	-0.0008981	mg/L	0.00001688	1.88%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	9.0	-0.0001508	mg/L	0.00001416	-0.0001508	mg/L	0.00001416	9.39%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	-2.6	-0.0149358	mg/L	0.00642774	-0.0149358	mg/L	0.00642774	43.04%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	-3.2	-0.0015491	mg/L	0.00010024	-0.0015491	mg/L	0.00010024	6.47%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	-30.8	-0.0009299	mg/L	0.00020366	-0.0009299	mg/L	0.00020366	21.90%
Co 228.616†	1.3	-0.0009897	mg/L	0.00132004	-0.0009897	mg/L	0.00132004	133.37%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	9.6	-0.0010434	mg/L	0.00055253	-0.0010434	mg/L	0.00055253	52.96%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	158.4	0.0006166	mg/L	0.00007837	0.0006166	mg/L	0.00007837	12.71%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	3.7	0.0011303	mg/L	0.00139998	0.0011303	mg/L	0.00139998	123.86%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	-17.8	-0.0436145	mg/L	0.00506623	-0.0436145	mg/L	0.00506623	11.62%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	35.7	-0.0000260	mg/L	0.00053527	-0.0000260	mg/L	0.00053527	>999.9%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	4.7	-0.0104315	mg/L	0.00078359	-0.0104315	mg/L	0.00078359	7.51%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	3.1	-0.0014227	mg/L	0.00004388	-0.0014227	mg/L	0.00004388	3.08%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	8.5	-0.0000135	mg/L	0.00049304	-0.0000135	mg/L	0.00049304	>999.9%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-155.2	-0.0354171	mg/L	0.00253641	-0.0354171	mg/L	0.00253641	7.16%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	0.5	-0.0010616	mg/L	0.00003407	-0.0010616	mg/L	0.00003407	3.21%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-1.1	-0.0022029	mg/L	0.00333744	-0.0022029	mg/L	0.00333744	151.50%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	10.4	0.0025618	mg/L	0.00037120	0.0025618	mg/L	0.00037120	14.49%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	2.2	-0.0020039	mg/L	0.01320434	-0.0020039	mg/L	0.01320434	658.92%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	28.9	-0.0112190	mg/L	0.00029381	-0.0112190	mg/L	0.00029381	2.62%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	2.7	0.0002299	mg/L	0.00262636	0.0002299	mg/L	0.00262636	>999.9%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	54.3	-0.0010285	mg/L	0.00008243	-0.0010285	mg/L	0.00008243	8.01%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	4.3	0.0003646	mg/L	0.00023704	0.0003646	mg/L	0.00023704	65.02%
QC value within limits for Ti 334.940 Recovery = Not calculated								

Tl 190.801†	-1.5	-0.0038020 mg/L	0.00840426	-0.0038020 mg/L	0.00840426	221.05%	
QC value within limits for Tl 190.801 Recovery = Not calculated							
V 292.395†	50.1	0.0001067 mg/L	0.00036384	0.0001067 mg/L	0.00036384	340.98%	
QC value within limits for V 292.395 Recovery = Not calculated							
Zn 206.200†	0.5	-0.0022526 mg/L	0.00086702	-0.0022526 mg/L	0.00086702	38.49%	
QC value within limits for Zn 206.200 Recovery = Not calculated							

All analyte(s) passed QC.

==========

Sequence No.: 15 **Autosampler Location: 17**
Sample ID: blk **Date Collected: 2/5/2010 12:12:34 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: blk

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	147196.3	147196.3	102.746	%			12:13:39
1	Al 396.153†	232.9	52.8	-0.0016687	mg/L	-0.0016687	mg/L	12:13:39
1	Ba 455.398†	659.7	635.4	0.0012463	mg/L	0.0012463	mg/L	12:13:39
1	Ca 315.887†	6455.2	6151.1	4.61015	mg/L	4.61015	mg/L	12:13:39
1	Fe 238.204†	147.0	99.9	0.0470422	mg/L	0.0470422	mg/L	12:13:59
1	K 766.490	69.9	56.7	0.0762440	mg/L	0.0762440	mg/L	12:13:39
1	Li 670.784†	-7.7	5.8	-0.0009105	mg/L	-0.0009105	mg/L	12:13:39
1	Mg 279.071†	88.2	70.7	0.142172	mg/L	0.142172	mg/L	12:13:59
1	Na 589.592†	2297.5	1327.6	0.196236	mg/L	0.196236	mg/L	12:13:39
1	Sr 407.771†	2935.2	2111.8	0.0017706	mg/L	0.0017706	mg/L	12:13:39
1	Ti 334.940†	2.5	7.3	0.0005818	mg/L	0.0005818	mg/L	12:13:59
1	Sc 357.234	209333.8	209333.8	103.649	%			12:14:30
1	Ag 328.068†	70.5	3.7	0.0002012	mg/L	0.0002012	mg/L	12:14:30
1	As 188.979†	-19.6	9.3	0.0075046	mg/L	0.0075046	mg/L	12:14:50
1	B 249.677†	661.1	-169.6	-0.0129153	mg/L	-0.0129153	mg/L	12:14:50
1	Be 234.861†	-781.5	80.9	0.0002269	mg/L	0.0002269	mg/L	12:14:50
1	Cd 214.437†	200.6	-19.5	-0.0022916	mg/L	-0.0022916	mg/L	12:14:50
1	Ce 413.764†	360.4	-57.7	-0.0017452	mg/L	-0.0017452	mg/L	12:14:30
1	Co 228.616†	-70.8	9.1	0.0004543	mg/L	0.0004543	mg/L	12:14:50
1	Cr 205.557†	-14.1	14.2	-0.0005807	mg/L	-0.0005807	mg/L	12:14:50
1	Cu 327.397†	480.3	286.5	0.0046501	mg/L	0.0046501	mg/L	12:14:30
1	Mn 257.610†	432.6	180.2	-0.0000306	mg/L	-0.0000306	mg/L	12:14:50
1	Mo 202.031†	81.6	-9.4	-0.0025269	mg/L	-0.0025269	mg/L	12:14:50
1	Ni 231.604†	414.9	-39.3	-0.0047969	mg/L	-0.0047969	mg/L	12:14:50
1	Pb 220.353†	-22.3	6.1	0.0020449	mg/L	0.0020449	mg/L	12:14:50
1	Sb 217.584†	-33.6	15.5	0.0069041	mg/L	0.0069041	mg/L	12:14:50
1	Se 196.026†	-30.0	10.7	0.0162680	mg/L	0.0162680	mg/L	12:14:50
1	Si 251.611†	1331.1	1004.6	0.0843363	mg/L	0.0843363	mg/L	12:14:50
1	Sn 189.927†	7.5	-10.4	-0.0058183	mg/L	-0.0058183	mg/L	12:14:50
1	Tl 190.801†	-37.4	9.6	0.0118085	mg/L	0.0118085	mg/L	12:14:50
1	V 292.395†	-1125.2	52.8	0.0001345	mg/L	0.0001345	mg/L	12:14:50
1	Zn 206.200†	1866.8	1873.8	0.230605	mg/L	0.230605	mg/L	12:14:50
2	Y 360.076	146794.7	146794.7	102.466	%			12:14:04
2	Al 396.153†	246.1	66.3	0.0028791	mg/L	0.0028791	mg/L	12:14:04
2	Ba 455.398†	678.8	655.8	0.0013194	mg/L	0.0013194	mg/L	12:14:04
2	Ca 315.887†	6511.7	6223.4	4.66450	mg/L	4.66450	mg/L	12:14:04
2	Fe 238.204†	157.7	110.8	0.0522135	mg/L	0.0522135	mg/L	12:14:24
2	K 766.490	37.1	23.9	0.0234079	mg/L	0.0234079	mg/L	12:14:04
2	Li 670.784†	60.7	72.5	0.0010636	mg/L	0.0010636	mg/L	12:14:04
2	Mg 279.071†	96.3	78.9	0.160971	mg/L	0.160971	mg/L	12:14:24
2	Na 589.592†	2273.4	1310.2	0.193521	mg/L	0.193521	mg/L	12:14:04
2	Sr 407.771†	2946.6	2130.7	0.0017964	mg/L	0.0017964	mg/L	12:14:04
2	Ti 334.940†	13.2	17.8	0.0013306	mg/L	0.0013306	mg/L	12:14:24
2	Sc 357.234	210036.4	210036.4	103.997	%			12:14:55
2	Ag 328.068†	2.5	-61.9	-0.0008961	mg/L	-0.0008961	mg/L	12:14:55
2	As 188.979†	-21.3	7.8	0.0049323	mg/L	0.0049323	mg/L	12:15:15
2	B 249.677†	654.0	-178.5	-0.0134722	mg/L	-0.0134722	mg/L	12:15:15
2	Be 234.861†	-779.3	85.6	0.0002507	mg/L	0.0002507	mg/L	12:15:15
2	Cd 214.437†	211.2	-9.8	-0.0018569	mg/L	-0.0018569	mg/L	12:15:15
2	Ce 413.764†	352.8	-66.3	-0.0020035	mg/L	-0.0020035	mg/L	12:14:55
2	Co 228.616†	-61.4	18.3	0.0021611	mg/L	0.0021611	mg/L	12:15:15
2	Cr 205.557†	-20.9	7.8	-0.0012135	mg/L	-0.0012135	mg/L	12:15:15

2	Cu 327.397†	480.5	285.2	0.0046079 mg/L	0.0046079 mg/L	12:14:55
2	Mn 257.610†	419.0	165.8	-0.0001437 mg/L	-0.0001437 mg/L	12:15:15
2	Mo 202.031†	85.1	-6.4	-0.0020981 mg/L	-0.0020981 mg/L	12:15:15
2	Ni 231.604†	431.8	-24.4	-0.0034014 mg/L	-0.0034014 mg/L	12:15:15
2	Pb 220.353†	-25.9	2.7	0.0000506 mg/L	0.0000506 mg/L	12:15:15
2	Sb 217.584†	-34.7	14.6	0.0061631 mg/L	0.0061631 mg/L	12:15:15
2	Se 196.026†	-34.5	6.5	0.0072072 mg/L	0.0072072 mg/L	12:15:15
2	Si 251.611†	1319.8	989.4	0.0828327 mg/L	0.0828327 mg/L	12:15:15
2	Sn 189.927†	3.1	-14.6	-0.0081129 mg/L	-0.0081129 mg/L	12:15:15
2	Tl 190.801†	-44.1	3.3	0.0029438 mg/L	0.0029438 mg/L	12:15:15
2	V 292.395†	-1118.6	62.7	0.0003742 mg/L	0.0003742 mg/L	12:15:15
2	Zn 206.200†	1872.8	1873.6	0.230575 mg/L	0.230575 mg/L	12:15:15

Mean Data: blk

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	209685.1	103.823	%	0.2460				0.24%
Y 360.076	146995.5	102.606	%	0.1982				0.19%
Ag 328.068†	-29.1	-0.0003474	mg/L	0.00077594	-0.0003474	mg/L	0.00077594	223.32%
Al 396.153†	59.6	0.0006052	mg/L	0.00321579	0.0006052	mg/L	0.00321579	531.36%
As 188.979†	8.5	0.0062185	mg/L	0.00181890	0.0062185	mg/L	0.00181890	29.25%
B 249.677†	-174.1	-0.0131938	mg/L	0.00039379	-0.0131938	mg/L	0.00039379	2.98%
Ba 455.398†	645.6	0.0012828	mg/L	0.00005169	0.0012828	mg/L	0.00005169	4.03%
Be 234.861†	83.2	0.0002388	mg/L	0.00001686	0.0002388	mg/L	0.00001686	7.06%
Ca 315.887†	6187.3	4.63733	mg/L	0.038436	4.63733	mg/L	0.038436	0.83%
Cd 214.437†	-14.6	-0.0020743	mg/L	0.00030736	-0.0020743	mg/L	0.00030736	14.82%
Ce 413.764†	-62.0	-0.0018744	mg/L	0.00018269	-0.0018744	mg/L	0.00018269	9.75%
Co 228.616†	13.7	0.0013077	mg/L	0.00120687	0.0013077	mg/L	0.00120687	92.29%
Cr 205.557†	11.0	-0.0008971	mg/L	0.00044745	-0.0008971	mg/L	0.00044745	49.88%
Cu 327.397†	285.8	0.0046290	mg/L	0.00002985	0.0046290	mg/L	0.00002985	0.64%
Fe 238.204†	105.3	0.0496278	mg/L	0.00365664	0.0496278	mg/L	0.00365664	7.37%
K 766.490	40.3	0.0498260	mg/L	0.03736080	0.0498260	mg/L	0.03736080	74.98%
Li 670.784†	39.1	0.0000766	mg/L	0.00139587	0.0000766	mg/L	0.00139587	>999.9%
Mg 279.071†	74.8	0.151571	mg/L	0.0132931	0.151571	mg/L	0.0132931	8.77%
Mn 257.610†	173.0	-0.0000871	mg/L	0.00007996	-0.0000871	mg/L	0.00007996	91.77%
Mo 202.031†	-7.9	-0.0023125	mg/L	0.00030317	-0.0023125	mg/L	0.00030317	13.11%
Na 589.592†	1318.9	0.194879	mg/L	0.0019198	0.194879	mg/L	0.0019198	0.99%
Ni 231.604†	-31.9	-0.0040991	mg/L	0.00098678	-0.0040991	mg/L	0.00098678	24.07%
Pb 220.353†	4.4	0.0010478	mg/L	0.00141018	0.0010478	mg/L	0.00141018	134.59%
Sb 217.584†	15.1	0.0065336	mg/L	0.00052397	0.0065336	mg/L	0.00052397	8.02%
Se 196.026†	8.6	0.0117376	mg/L	0.00640696	0.0117376	mg/L	0.00640696	54.58%
Si 251.611†	997.0	0.0835845	mg/L	0.00106320	0.0835845	mg/L	0.00106320	1.27%
Sn 189.927†	-12.5	-0.0069656	mg/L	0.00162256	-0.0069656	mg/L	0.00162256	23.29%
Sr 407.771†	2121.3	0.0017835	mg/L	0.00001821	0.0017835	mg/L	0.00001821	1.02%
Ti 334.940†	12.5	0.0009562	mg/L	0.00052946	0.0009562	mg/L	0.00052946	55.37%
Tl 190.801†	6.5	0.0073761	mg/L	0.00626827	0.0073761	mg/L	0.00626827	84.98%
V 292.395†	57.7	0.0002543	mg/L	0.00016951	0.0002543	mg/L	0.00016951	66.65%
Zn 206.200†	1873.7	0.230590	mg/L	0.0000209	0.230590	mg/L	0.0000209	0.01%

Sequence No.: 16
Sample ID: bs
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 2/5/2010 12:16:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: bs

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	145542.7	145542.7	101.592	%			12:17:33
1	Al 396.153†	4028.1	3791.0	1.25546	mg/L	1.25546	mg/L	12:17:53
1	Ba 455.398†	72497.8	71355.2	0.254823	mg/L	0.254823	mg/L	12:17:33
1	Ca 315.887†	22531.5	22046.9	16.5574	mg/L	16.5574	mg/L	12:17:33
1	Fe 238.204†	670.9	617.3	0.292973	mg/L	0.292973	mg/L	12:17:53
1	K 766.490	7875.5	7862.3	12.6371	mg/L	12.6371	mg/L	12:17:33
1	Li 670.784†	8747.0	8623.2	0.254094	mg/L	0.254094	mg/L	12:17:33
1	Mg 279.071†	5676.4	5572.3	12.8601	mg/L	12.8601	mg/L	12:17:53
1	Na 589.592†	84626.9	82392.3	12.8614	mg/L	12.8614	mg/L	12:17:33
1	Sr 407.771†	192301.4	188543.2	0.255404	mg/L	0.255404	mg/L	12:17:33

1	Ti 334.940†	3582.0	3530.7	0.252787 mg/L	0.252787 mg/L	12:17:53
1	Sc 357.234	204847.1	204847.1	101.428 %		12:18:25
1	Ag 328.068†	14775.7	14503.4	0.242911 mg/L	0.242911 mg/L	12:18:25
1	As 188.979†	763.8	781.3	1.30829 mg/L	1.30829 mg/L	12:18:45
1	B 249.677†	5029.6	4151.3	0.252359 mg/L	0.252359 mg/L	12:18:45
1	Be 234.861†	4092.4	4869.7	0.0263418 mg/L	0.0263418 mg/L	12:18:45
1	Cd 214.437†	6023.3	5725.6	0.258505 mg/L	0.258505 mg/L	12:18:45
1	Ce 413.764†	371.9	-38.8	-0.0012190 mg/L	-0.0012190 mg/L	12:18:25
1	Co 228.616†	1323.6	1382.3	0.254683 mg/L	0.254683 mg/L	12:18:45
1	Cr 205.557†	2618.0	2609.0	0.255217 mg/L	0.255217 mg/L	12:18:45
1	Cu 327.397†	8771.6	8471.2	0.262612 mg/L	0.262612 mg/L	12:18:25
1	Mn 257.610†	33238.9	32533.8	0.253899 mg/L	0.253899 mg/L	12:18:25
1	Mo 202.031†	1957.5	1841.7	0.256675 mg/L	0.256675 mg/L	12:18:45
1	Ni 231.604†	3164.4	2680.3	0.250059 mg/L	0.250059 mg/L	12:18:45
1	Pb 220.353†	410.6	432.4	0.254116 mg/L	0.254116 mg/L	12:18:45
1	Sb 217.584†	1544.1	1570.3	1.28989 mg/L	1.28989 mg/L	12:18:45
1	Se 196.026†	628.0	658.8	1.40227 mg/L	1.40227 mg/L	12:18:45
1	Si 251.611†	13908.8	13433.3	1.29487 mg/L	1.29487 mg/L	12:18:25
1	Sn 189.927†	2488.4	2435.7	1.31861 mg/L	1.31861 mg/L	12:18:45
1	Tl 190.801†	894.3	927.4	1.30799 mg/L	1.30799 mg/L	12:18:45
1	V 292.395†	9723.0	10724.5	0.256636 mg/L	0.256636 mg/L	12:18:45
1	Zn 206.200†	3491.5	3515.1	0.434335 mg/L	0.434335 mg/L	12:18:45
2	Y 360.076	143314.8	143314.8	100.037 %		12:17:58
2	Al 396.153†	4019.1	3843.8	1.27323 mg/L	1.27323 mg/L	12:18:18
2	Ba 455.398†	71775.5	71742.5	0.256212 mg/L	0.256212 mg/L	12:17:58
2	Ca 315.887†	22341.0	22201.1	16.6733 mg/L	16.6733 mg/L	12:17:58
2	Fe 238.204†	680.1	636.8	0.302263 mg/L	0.302263 mg/L	12:18:18
2	K 766.490	7734.5	7721.3	12.4102 mg/L	12.4102 mg/L	12:17:58
2	Li 670.784†	8714.0	8724.1	0.257080 mg/L	0.257080 mg/L	12:17:58
2	Mg 279.071†	5681.5	5664.3	13.0727 mg/L	13.0727 mg/L	12:18:18
2	Na 589.592†	83616.4	82677.1	12.9059 mg/L	12.9059 mg/L	12:17:58
2	Sr 407.771†	190163.8	189349.0	0.256500 mg/L	0.256500 mg/L	12:17:58
2	Ti 334.940†	3581.6	3585.2	0.256683 mg/L	0.256683 mg/L	12:18:18
2	Sc 357.234	204654.2	204654.2	101.332 %		12:18:50
2	Ag 328.068†	14754.6	14496.3	0.242800 mg/L	0.242800 mg/L	12:18:50
2	As 188.979†	766.9	785.1	1.31455 mg/L	1.31455 mg/L	12:19:10
2	B 249.677†	5036.1	4162.5	0.253040 mg/L	0.253040 mg/L	12:19:10
2	Be 234.861†	4069.6	4851.0	0.0262363 mg/L	0.0262363 mg/L	12:19:10
2	Cd 214.437†	6010.9	5718.9	0.258201 mg/L	0.258201 mg/L	12:19:10
2	Ce 413.764†	412.3	1.4	-0.0000066 mg/L	-0.0000066 mg/L	12:18:50
2	Co 228.616†	1330.0	1389.8	0.256072 mg/L	0.256072 mg/L	12:19:10
2	Cr 205.557†	2610.8	2604.3	0.254754 mg/L	0.254754 mg/L	12:19:10
2	Cu 327.397†	8722.2	8430.6	0.261335 mg/L	0.261335 mg/L	12:18:50
2	Mn 257.610†	33185.5	32512.0	0.253728 mg/L	0.253728 mg/L	12:18:50
2	Mo 202.031†	1963.1	1849.1	0.257711 mg/L	0.257711 mg/L	12:19:10
2	Ni 231.604†	3164.3	2683.1	0.250326 mg/L	0.250326 mg/L	12:19:10
2	Pb 220.353†	418.0	440.1	0.258658 mg/L	0.258658 mg/L	12:19:10
2	Sb 217.584†	1534.5	1562.3	1.28334 mg/L	1.28334 mg/L	12:19:10
2	Se 196.026†	626.9	658.2	1.40111 mg/L	1.40111 mg/L	12:19:10
2	Si 251.611†	14044.7	13580.4	1.30918 mg/L	1.30918 mg/L	12:18:50
2	Sn 189.927†	2485.9	2435.5	1.31854 mg/L	1.31854 mg/L	12:19:10
2	Tl 190.801†	886.5	920.5	1.29833 mg/L	1.29833 mg/L	12:19:10
2	V 292.395†	9698.9	10709.8	0.256292 mg/L	0.256292 mg/L	12:19:10
2	Zn 206.200†	3486.5	3513.4	0.434116 mg/L	0.434116 mg/L	12:19:10

Mean Data: bs

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	204750.7	101.380	%	0.0675				0.07%
Y 360.076	144428.7	100.814	%	1.0996				1.09%
Ag 328.068†	14499.8	0.242856	mg/L	0.0000786	0.242856	mg/L	0.0000786	0.03%
Al 396.153†	3817.4	1.26435	mg/L	0.012561	1.26435	mg/L	0.012561	0.99%
As 188.979†	783.2	1.31142	mg/L	0.004430	1.31142	mg/L	0.004430	0.34%
B 249.677†	4156.9	0.252700	mg/L	0.0004815	0.252700	mg/L	0.0004815	0.19%
Ba 455.398†	71548.9	0.255517	mg/L	0.0009820	0.255517	mg/L	0.0009820	0.38%
Be 234.861†	4860.3	0.0262890	mg/L	0.00007462	0.0262890	mg/L	0.00007462	0.28%
Ca 315.887†	22124.0	16.6153	mg/L	0.08198	16.6153	mg/L	0.08198	0.49%
Cd 214.437†	5722.3	0.258353	mg/L	0.0002152	0.258353	mg/L	0.0002152	0.08%
Ce 413.764†	-18.7	-0.0006128	mg/L	0.00085732	-0.0006128	mg/L	0.00085732	139.90%
Co 228.616†	1386.0	0.255378	mg/L	0.0009827	0.255378	mg/L	0.0009827	0.38%

Cr 205.557†	2606.6	0.254986 mg/L	0.0003271	0.254986 mg/L	0.0003271	0.13%
Cu 327.397†	8450.9	0.261974 mg/L	0.0009027	0.261974 mg/L	0.0009027	0.34%
Fe 238.204†	627.0	0.297618 mg/L	0.0065692	0.297618 mg/L	0.0065692	2.21%
K 766.490	7791.8	12.5236 mg/L	0.16051	12.5236 mg/L	0.16051	1.28%
Li 670.784†	8673.7	0.255587 mg/L	0.0021111	0.255587 mg/L	0.0021111	0.83%
Mg 279.071†	5618.3	12.9664 mg/L	0.15032	12.9664 mg/L	0.15032	1.16%
Mn 257.610†	32522.9	0.253813 mg/L	0.0001208	0.253813 mg/L	0.0001208	0.05%
Mo 202.031†	1845.4	0.257193 mg/L	0.0007326	0.257193 mg/L	0.0007326	0.28%
Na 589.592†	82534.7	12.8837 mg/L	0.03147	12.8837 mg/L	0.03147	0.24%
Ni 231.604†	2681.7	0.250192 mg/L	0.0001889	0.250192 mg/L	0.0001889	0.08%
Pb 220.353†	436.3	0.256387 mg/L	0.0032117	0.256387 mg/L	0.0032117	1.25%
Sb 217.584†	1566.3	1.28661 mg/L	0.004635	1.28661 mg/L	0.004635	0.36%
Se 196.026†	658.5	1.40169 mg/L	0.000822	1.40169 mg/L	0.000822	0.06%
Si 251.611†	13506.8	1.30202 mg/L	0.010113	1.30202 mg/L	0.010113	0.78%
Sn 189.927†	2435.6	1.31857 mg/L	0.000046	1.31857 mg/L	0.000046	0.00%
Sr 407.771†	188946.1	0.255952 mg/L	0.0007751	0.255952 mg/L	0.0007751	0.30%
Ti 334.940†	3557.9	0.254735 mg/L	0.0027546	0.254735 mg/L	0.0027546	1.08%
Tl 190.801†	924.0	1.30316 mg/L	0.006827	1.30316 mg/L	0.006827	0.52%
V 292.395†	10717.1	0.256464 mg/L	0.0002433	0.256464 mg/L	0.0002433	0.09%
Zn 206.200†	3514.2	0.434226 mg/L	0.0001554	0.434226 mg/L	0.0001554	0.04%

Sequence No.: 17
Sample ID: mdl chk
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 2/5/2010 12:20:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: mdl chk

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	145500.0	145500.0	101.562	%			12:21:30
1	Al 396.153†	210.9	33.8	-0.0087044	mg/L	-0.0087044	mg/L	12:21:30
1	Ba 455.398†	1218.7	1193.3	0.0032466	mg/L	0.0032466	mg/L	12:21:30
1	Ca 315.887†	2669.3	2496.6	1.86345	mg/L	1.86345	mg/L	12:21:50
1	Fe 238.204†	146.8	101.4	0.0477546	mg/L	0.0477546	mg/L	12:21:50
1	K 766.490	24.4	11.3	0.0030989	mg/L	0.0030989	mg/L	12:21:30
1	Li 670.784†	-18.4	-4.8	-0.0012238	mg/L	-0.0012238	mg/L	12:21:30
1	Mg 279.071†	79.1	62.8	0.123839	mg/L	0.123839	mg/L	12:21:50
1	Na 589.592†	2749.6	1798.7	0.269847	mg/L	0.269847	mg/L	12:21:30
1	Sr 407.771†	3640.4	2839.5	0.0027606	mg/L	0.0027606	mg/L	12:21:30
1	Ti 334.940†	4.9	9.7	0.0007503	mg/L	0.0007503	mg/L	12:21:50
1	Sc 357.234	207084.0	207084.0	102.535	%			12:22:22
1	Ag 328.068†	92.6	26.0	0.0005418	mg/L	0.0005418	mg/L	12:22:22
1	As 188.979†	-27.1	1.8	-0.0050941	mg/L	-0.0050941	mg/L	12:22:42
1	B 249.677†	614.0	-208.6	-0.0153182	mg/L	-0.0153182	mg/L	12:22:42
1	Be 234.861†	-782.3	71.9	0.0001777	mg/L	0.0001777	mg/L	12:22:42
1	Cd 214.437†	203.6	-14.4	-0.0020621	mg/L	-0.0020621	mg/L	12:22:42
1	Ce 413.764†	347.5	-66.6	-0.0020142	mg/L	-0.0020142	mg/L	12:22:22
1	Co 228.616†	-72.5	6.6	0.0000046	mg/L	0.0000046	mg/L	12:22:42
1	Cr 205.557†	-12.1	16.1	-0.0003954	mg/L	-0.0003954	mg/L	12:22:42
1	Cu 327.397†	382.5	196.1	0.0018033	mg/L	0.0018033	mg/L	12:22:22
1	Mn 257.610†	330.9	85.5	-0.0007737	mg/L	-0.0007737	mg/L	12:22:42
1	Mo 202.031†	82.0	-8.2	-0.0023507	mg/L	-0.0023507	mg/L	12:22:42
1	Ni 231.604†	422.3	-27.7	-0.0037123	mg/L	-0.0037123	mg/L	12:22:42
1	Pb 220.353†	-24.3	3.9	0.0007438	mg/L	0.0007438	mg/L	12:22:42
1	Sb 217.584†	-33.0	15.8	0.0071275	mg/L	0.0071275	mg/L	12:22:42
1	Se 196.026†	-42.8	-2.1	-0.0111614	mg/L	-0.0111614	mg/L	12:22:42
1	Si 251.611†	1803.3	1479.0	0.130789	mg/L	0.130789	mg/L	12:22:42
1	Sn 189.927†	110.4	90.0	0.0478067	mg/L	0.0478067	mg/L	12:22:42
1	Tl 190.801†	-43.1	3.7	0.0034088	mg/L	0.0034088	mg/L	12:22:42
1	V 292.395†	-1123.1	43.0	-0.0000969	mg/L	-0.0000969	mg/L	12:22:42
1	Zn 206.200†	610.1	667.8	0.0806827	mg/L	0.0806827	mg/L	12:22:42
2	Y 360.076	144019.9	144019.9	100.529	%			12:21:56
2	Al 396.153†	236.3	61.1	0.0004915	mg/L	0.0004915	mg/L	12:21:56
2	Ba 455.398†	1250.9	1237.7	0.0034058	mg/L	0.0034058	mg/L	12:21:56
2	Ca 315.887†	2691.5	2545.7	1.90032	mg/L	1.90032	mg/L	12:22:16
2	Fe 238.204†	141.1	97.3	0.0457748	mg/L	0.0457748	mg/L	12:22:16
2	K 766.490	-2.7	-15.9	-0.0406128	mg/L	-0.0406128	mg/L	12:21:56
2	Li 670.784†	4.7	18.0	-0.0005499	mg/L	-0.0005499	mg/L	12:21:56

2	Mg 279.071†	80.8	65.3	0.129657 mg/L	0.129657 mg/L	12:22:16
2	Na 589.592†	2719.4	1796.6	0.269515 mg/L	0.269515 mg/L	12:21:56
2	Sr 407.771†	3692.2	2927.9	0.0028809 mg/L	0.0028809 mg/L	12:21:56
2	Ti 334.940†	-6.6	-1.7	-0.0000619 mg/L	-0.0000619 mg/L	12:22:16
2	Sc 357.234	207418.8	207418.8	102.701 %		12:22:47
2	Ag 328.068†	7.8	-56.7	-0.0008440 mg/L	-0.0008440 mg/L	12:22:47
2	As 188.979†	-21.7	7.1	0.0038636 mg/L	0.0038636 mg/L	12:23:07
2	B 249.677†	603.1	-220.2	-0.0160282 mg/L	-0.0160282 mg/L	12:23:07
2	Be 234.861†	794.6	61.2	0.0001196 mg/L	0.0001196 mg/L	12:23:07
2	Cd 214.437†	197.7	-20.4	-0.0023368 mg/L	-0.0023368 mg/L	12:23:07
2	Ce 413.764†	329.2	-85.0	-0.0025686 mg/L	-0.0025686 mg/L	12:22:47
2	Co 228.616†	-73.3	6.0	-0.0001118 mg/L	-0.0001118 mg/L	12:23:07
2	Cr 205.557†	-11.4	16.7	-0.0003304 mg/L	-0.0003304 mg/L	12:23:07
2	Cu 327.397†	374.8	188.1	0.0015500 mg/L	0.0015500 mg/L	12:22:47
2	Mn 257.610†	334.2	88.3	-0.0007522 mg/L	-0.0007522 mg/L	12:23:07
2	Mo 202.031†	89.9	-0.6	-0.0012955 mg/L	-0.0012955 mg/L	12:23:07
2	Ni 231.604†	428.2	-22.6	-0.0032296 mg/L	-0.0032296 mg/L	12:23:07
2	Pb 220.353†	-29.2	-0.9	-0.0020704 mg/L	-0.0020704 mg/L	12:23:07
2	Sb 217.584†	-43.1	6.0	-0.0009633 mg/L	-0.0009633 mg/L	12:23:07
2	Se 196.026†	-37.1	3.5	0.0008625 mg/L	0.0008625 mg/L	12:23:07
2	Si 251.611†	1799.4	1472.4	0.130162 mg/L	0.130162 mg/L	12:23:07
2	Sn 189.927†	112.1	91.5	0.0486543 mg/L	0.0486543 mg/L	12:23:07
2	Tl 190.801†	-45.2	1.7	0.0006473 mg/L	0.0006473 mg/L	12:23:07
2	V 292.395†	-1094.2	72.9	0.0006277 mg/L	0.0006277 mg/L	12:23:07
2	Zn 206.200†	611.3	668.0	0.0807095 mg/L	0.0807095 mg/L	12:23:07

Mean Data: mdl chk

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	207251.4	102.618	%	0.1172				0.11%
Y 360.076	144760.0	101.046	%	0.7305				0.72%
Ag 328.068†	-15.4	-0.0001511	mg/L	0.00097996	-0.0001511	mg/L	0.00097996	648.58%
Al 396.153†	47.5	-0.0041065	mg/L	0.00650249	-0.0041065	mg/L	0.00650249	158.35%
As 188.979†	4.5	-0.0006153	mg/L	0.00633403	-0.0006153	mg/L	0.00633403	>999.9%
B 249.677†	-214.4	-0.0156732	mg/L	0.00050204	-0.0156732	mg/L	0.00050204	3.20%
Ba 455.398†	1215.5	0.0033262	mg/L	0.00011255	0.0033262	mg/L	0.00011255	3.38%
Be 234.861†	66.6	0.0001486	mg/L	0.00004106	0.0001486	mg/L	0.00004106	27.63%
Ca 315.887†	2521.1	1.88189	mg/L	0.026075	1.88189	mg/L	0.026075	1.39%
Cd 214.437†	-17.4	-0.0021994	mg/L	0.00019419	-0.0021994	mg/L	0.00019419	8.83%
Ce 413.764†	-75.8	-0.0022914	mg/L	0.00039203	-0.0022914	mg/L	0.00039203	17.11%
Co 228.616†	6.3	-0.0000536	mg/L	0.00008232	-0.0000536	mg/L	0.00008232	153.64%
Cr 205.557†	16.4	-0.0003629	mg/L	0.00004595	-0.0003629	mg/L	0.00004595	12.66%
Cu 327.397†	192.1	0.0016767	mg/L	0.00017910	0.0016767	mg/L	0.00017910	10.68%
Fe 238.204†	99.3	0.0467647	mg/L	0.00139991	0.0467647	mg/L	0.00139991	2.99%
K 766.490	-2.3	-0.0187570	mg/L	0.03090888	-0.0187570	mg/L	0.03090888	164.79%
Li 670.784†	6.6	-0.0008868	mg/L	0.00047655	-0.0008868	mg/L	0.00047655	53.74%
Mg 279.071†	64.1	0.126748	mg/L	0.0041139	0.126748	mg/L	0.0041139	3.25%
Mn 257.610†	86.9	-0.0007630	mg/L	0.00001517	-0.0007630	mg/L	0.00001517	1.99%
Mo 202.031†	-4.4	-0.0018231	mg/L	0.00074616	-0.0018231	mg/L	0.00074616	40.93%
Na 589.592†	1797.6	0.269681	mg/L	0.0002348	0.269681	mg/L	0.0002348	0.09%
Ni 231.604†	-25.2	-0.0034709	mg/L	0.00034128	-0.0034709	mg/L	0.00034128	9.83%
Pb 220.353†	1.5	-0.0006633	mg/L	0.00199000	-0.0006633	mg/L	0.00199000	300.02%
Sb 217.584†	10.9	0.0030821	mg/L	0.00572101	0.0030821	mg/L	0.00572101	185.62%
Se 196.026†	0.7	-0.0051494	mg/L	0.00850224	-0.0051494	mg/L	0.00850224	165.11%
Si 251.611†	1475.7	0.130475	mg/L	0.0004432	0.130475	mg/L	0.0004432	0.34%
Sn 189.927†	90.8	0.0482305	mg/L	0.00059937	0.0482305	mg/L	0.00059937	1.24%
Sr 407.771†	2883.7	0.0028207	mg/L	0.00008506	0.0028207	mg/L	0.00008506	3.02%
Ti 334.940†	4.0	0.0003442	mg/L	0.00057431	0.0003442	mg/L	0.00057431	166.87%
Tl 190.801†	2.7	0.0020281	mg/L	0.00195269	0.0020281	mg/L	0.00195269	96.28%
V 292.395†	57.9	0.0002654	mg/L	0.00051236	0.0002654	mg/L	0.00051236	193.07%
Zn 206.200†	667.9	0.0806961	mg/L	0.00001896	0.0806961	mg/L	0.00001896	0.02%

Sequence No.: 18
Sample ID: 1000787-BLK1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 20
Date Collected: 2/5/2010 12:24:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000787-BLK1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	142013.4	142013.4	99.1284	%			12:25:25
1	Al 396.153†	147.7	-24.9	-0.0289010	mg/L	-0.0289010	mg/L	12:25:25
1	Ba 455.398†	188.8	183.9	-0.0003729	mg/L	-0.0003729	mg/L	12:25:25
1	Ca 315.887†	169.1	39.0	0.0162975	mg/L	0.0162975	mg/L	12:25:45
1	Fe 238.204†	88.3	46.0	0.0213228	mg/L	0.0213228	mg/L	12:25:45
1	K 766.490	-3.5	-16.7	-0.0418970	mg/L	-0.0418970	mg/L	12:25:25
1	Li 670.784†	-80.5	-68.0	-0.0030924	mg/L	-0.0030924	mg/L	12:25:25
1	Mg 279.071†	19.0	4.0	-0.0120263	mg/L	-0.0120263	mg/L	12:25:45
1	Na 589.592†	752.4	-149.6	-0.0345461	mg/L	-0.0345461	mg/L	12:25:25
1	Sr 407.771†	707.0	-31.7	-0.0011455	mg/L	-0.0011455	mg/L	12:25:25
1	Ti 334.940†	1.0	5.9	0.0004803	mg/L	0.0004803	mg/L	12:25:45
1	Sc 357.234	200410.4	200410.4	99.2310	%			12:26:17
1	Ag 328.068†	3.9	-60.4	-0.0009258	mg/L	-0.0009258	mg/L	12:26:17
1	As 188.979†	-24.7	3.4	-0.0025454	mg/L	-0.0025454	mg/L	12:26:37
1	B 249.677†	542.2	-261.0	-0.0185406	mg/L	-0.0185406	mg/L	12:26:37
1	Be 234.861†	-807.7	20.9	-0.0000925	mg/L	-0.0000925	mg/L	12:26:37
1	Cd 214.437†	205.3	-6.1	-0.0016781	mg/L	-0.0016781	mg/L	12:26:37
1	Ce 413.764†	352.6	-50.2	-0.0015169	mg/L	-0.0015169	mg/L	12:26:17
1	Co 228.616†	-81.7	-5.0	-0.0021561	mg/L	-0.0021561	mg/L	12:26:37
1	Cr 205.557†	-23.0	4.6	-0.0015278	mg/L	-0.0015278	mg/L	12:26:37
1	Cu 327.397†	189.1	13.7	-0.0039415	mg/L	-0.0039415	mg/L	12:26:17
1	Mn 257.610†	239.9	4.6	-0.0014099	mg/L	-0.0014099	mg/L	12:26:37
1	Mo 202.031†	81.8	-5.7	-0.0020053	mg/L	-0.0020053	mg/L	12:26:37
1	Ni 231.604†	429.1	-7.1	-0.0017759	mg/L	-0.0017759	mg/L	12:26:37
1	Pb 220.353†	-24.9	2.5	-0.0000377	mg/L	-0.0000377	mg/L	12:26:37
1	Sb 217.584†	-44.3	3.3	-0.0032970	mg/L	-0.0032970	mg/L	12:26:37
1	Se 196.026†	-37.1	2.2	-0.0019119	mg/L	-0.0019119	mg/L	12:26:37
1	Si 251.611†	338.1	61.0	-0.0080691	mg/L	-0.0080691	mg/L	12:26:37
1	Sn 189.927†	36.8	19.4	0.0092714	mg/L	0.0092714	mg/L	12:26:37
1	Tl 190.801†	-50.5	-5.1	-0.0089595	mg/L	-0.0089595	mg/L	12:26:37
1	V 292.395†	-1090.4	39.5	-0.0001710	mg/L	-0.0001710	mg/L	12:26:17
1	Zn 206.200†	18.6	91.5	0.0090554	mg/L	0.0090554	mg/L	12:26:37
2	Y 360.076	142747.8	142747.8	99.6410	%			12:25:50
2	Al 396.153†	179.6	6.3	-0.0183667	mg/L	-0.0183667	mg/L	12:25:50
2	Ba 455.398†	206.9	201.0	-0.0003114	mg/L	-0.0003114	mg/L	12:25:50
2	Ca 315.887†	168.5	37.5	0.0151913	mg/L	0.0151913	mg/L	12:26:10
2	Fe 238.204†	92.3	49.5	0.0229992	mg/L	0.0229992	mg/L	12:26:10
2	K 766.490	29.2	16.0	0.0107304	mg/L	0.0107304	mg/L	12:25:50
2	Li 670.784†	-0.5	12.8	-0.0007019	mg/L	-0.0007019	mg/L	12:25:50
2	Mg 279.071†	22.3	7.3	-0.0044176	mg/L	-0.0044176	mg/L	12:26:10
2	Na 589.592†	776.5	-129.3	-0.0313747	mg/L	-0.0313747	mg/L	12:25:50
2	Sr 407.771†	684.3	-58.1	-0.0011815	mg/L	-0.0011815	mg/L	12:25:50
2	Ti 334.940†	-2.1	2.8	0.0002604	mg/L	0.0002604	mg/L	12:26:10
2	Sc 357.234	202410.3	202410.3	100.221	%			12:26:42
2	Ag 328.068†	29.5	-34.8	-0.0004926	mg/L	-0.0004926	mg/L	12:26:42
2	As 188.979†	-31.3	-3.0	-0.0132646	mg/L	-0.0132646	mg/L	12:27:02
2	B 249.677†	533.2	-275.4	-0.0194258	mg/L	-0.0194258	mg/L	12:27:02
2	Be 234.861†	-810.0	26.7	-0.0000615	mg/L	-0.0000615	mg/L	12:27:02
2	Cd 214.437†	203.6	-9.8	-0.0018517	mg/L	-0.0018517	mg/L	12:27:02
2	Ce 413.764†	391.4	-15.0	-0.0004527	mg/L	-0.0004527	mg/L	12:26:42
2	Co 228.616†	-82.6	-5.1	-0.0021711	mg/L	-0.0021711	mg/L	12:27:02
2	Cr 205.557†	-32.4	-4.4	-0.0024220	mg/L	-0.0024220	mg/L	12:27:02
2	Cu 327.397†	200.8	23.5	-0.0036332	mg/L	-0.0036332	mg/L	12:26:42
2	Mn 257.610†	241.7	4.0	-0.0014142	mg/L	-0.0014142	mg/L	12:27:02
2	Mo 202.031†	81.7	-6.6	-0.0021326	mg/L	-0.0021326	mg/L	12:27:02
2	Ni 231.604†	430.4	-10.1	-0.0020568	mg/L	-0.0020568	mg/L	12:27:02
2	Pb 220.353†	-25.6	2.0	-0.0003330	mg/L	-0.0003330	mg/L	12:27:02
2	Sb 217.584†	-50.9	-2.8	-0.0083096	mg/L	-0.0083096	mg/L	12:27:02
2	Se 196.026†	-42.1	-2.4	-0.0117846	mg/L	-0.0117846	mg/L	12:27:02
2	Si 251.611†	337.0	56.5	-0.0085006	mg/L	-0.0085006	mg/L	12:27:02
2	Sn 189.927†	30.3	12.6	0.0055892	mg/L	0.0055892	mg/L	12:27:02
2	Tl 190.801†	-56.6	-10.7	-0.0168520	mg/L	-0.0168520	mg/L	12:27:02
2	V 292.395†	-1115.2	25.6	-0.0005020	mg/L	-0.0005020	mg/L	12:26:42
2	Zn 206.200†	22.7	95.4	0.0095349	mg/L	0.0095349	mg/L	12:27:02

Mean Data: 1000787-BLK1

Mean Corrected	Calib.	Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Sc 357.234	201410.4	99.7261	%	0.70018				0.70%
Y 360.076	142380.6	99.3847	%	0.36248				0.36%
Ag 328.068†	-47.6	-0.0007092	mg/L	0.00030628	-0.0007092	mg/L	0.00030628	43.19%
Al 396.153†	-9.3	-0.0236338	mg/L	0.00744885	-0.0236338	mg/L	0.00744885	31.52%
As 188.979†	0.2	-0.0079050	mg/L	0.00757958	-0.0079050	mg/L	0.00757958	95.88%
B 249.677†	-268.2	-0.0189832	mg/L	0.00062596	-0.0189832	mg/L	0.00062596	3.30%
Ba 455.398†	192.4	-0.0003422	mg/L	0.00004347	-0.0003422	mg/L	0.00004347	12.70%
Be 234.861†	23.8	-0.0000770	mg/L	0.00002194	-0.0000770	mg/L	0.00002194	28.49%
Ca 315.887†	38.2	0.0157444	mg/L	0.00078222	0.0157444	mg/L	0.00078222	4.97%
Cd 214.437†	-7.9	-0.0017649	mg/L	0.00012274	-0.0017649	mg/L	0.00012274	6.95%
Ce 413.764†	-32.6	-0.0009848	mg/L	0.00075252	-0.0009848	mg/L	0.00075252	76.41%
Co 228.616†	-5.1	-0.0021636	mg/L	0.00001063	-0.0021636	mg/L	0.00001063	0.49%
Cr 205.557†	0.1	-0.0019749	mg/L	0.00063226	-0.0019749	mg/L	0.00063226	32.01%
Cu 327.397†	18.6	-0.0037873	mg/L	0.00021800	-0.0037873	mg/L	0.00021800	5.76%
Fe 238.204†	47.7	0.0221610	mg/L	0.00118538	0.0221610	mg/L	0.00118538	5.35%
K 766.490	-0.4	-0.0155833	mg/L	0.03721319	-0.0155833	mg/L	0.03721319	238.80%
Li 670.784†	-27.6	-0.0018971	mg/L	0.00169036	-0.0018971	mg/L	0.00169036	89.10%
Mg 279.071†	5.7	-0.0082219	mg/L	0.00538020	-0.0082219	mg/L	0.00538020	65.44%
Mn 257.610†	4.3	-0.0014121	mg/L	0.00000303	-0.0014121	mg/L	0.00000303	0.21%
Mo 202.031†	-6.2	-0.0020689	mg/L	0.00009005	-0.0020689	mg/L	0.00009005	4.35%
Na 589.592†	-139.4	-0.0329604	mg/L	0.00224246	-0.0329604	mg/L	0.00224246	6.80%
Ni 231.604†	-8.6	-0.0019163	mg/L	0.00019862	-0.0019163	mg/L	0.00019862	10.36%
Pb 220.353†	2.3	-0.0001853	mg/L	0.00020878	-0.0001853	mg/L	0.00020878	112.64%
Sb 217.584†	0.2	-0.0058033	mg/L	0.00354443	-0.0058033	mg/L	0.00354443	61.08%
Se 196.026†	-0.1	-0.0068482	mg/L	0.00698111	-0.0068482	mg/L	0.00698111	101.94%
Si 251.611†	58.8	-0.0082848	mg/L	0.00030511	-0.0082848	mg/L	0.00030511	3.68%
Sn 189.927†	16.0	0.0074303	mg/L	0.00260366	0.0074303	mg/L	0.00260366	35.04%
Sr 407.771†	-44.9	-0.0011635	mg/L	0.00002547	-0.0011635	mg/L	0.00002547	2.19%
Ti 334.940†	4.4	0.0003703	mg/L	0.00015549	0.0003703	mg/L	0.00015549	41.99%
Tl 190.801†	-7.9	-0.0129058	mg/L	0.00558080	-0.0129058	mg/L	0.00558080	43.24%
V 292.395†	32.6	-0.0003365	mg/L	0.00023409	-0.0003365	mg/L	0.00023409	69.57%
Zn 206.200†	93.4	0.0092951	mg/L	0.00033903	0.0092951	mg/L	0.00033903	3.65%

Sequence No.: 19
Sample ID: 1000787-BS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 2/5/2010 12:28:18 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000787-BS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	143408.8	143408.8	100.102	%			12:29:23
1	Al 396.153†	4094.4	3916.3	1.29659	mg/L	1.29659	mg/L	12:29:43
1	Ba 455.398†	73326.0	73244.4	0.261597	mg/L	0.261597	mg/L	12:29:23
1	Ca 315.887†	17282.6	17133.3	12.8643	mg/L	12.8643	mg/L	12:29:23
1	Fe 238.204†	600.5	556.8	0.264098	mg/L	0.264098	mg/L	12:29:43
1	K 766.490	7988.2	7975.0	12.8185	mg/L	12.8185	mg/L	12:29:23
1	Li 670.784†	8940.2	8944.4	0.263597	mg/L	0.263597	mg/L	12:29:23
1	Mg 279.071†	5756.3	5735.3	13.2369	mg/L	13.2369	mg/L	12:29:43
1	Na 589.592†	85083.7	84088.1	13.1264	mg/L	13.1264	mg/L	12:29:23
1	Sr 407.771†	194183.8	193240.3	0.261794	mg/L	0.261794	mg/L	12:29:23
1	Ti 334.940†	3655.6	3656.8	0.261809	mg/L	0.261809	mg/L	12:29:43
1	Sc 357.234	202221.1	202221.1	100.128	%			12:30:15
1	Ag 328.068†	14815.8	14732.6	0.246701	mg/L	0.246701	mg/L	12:30:15
1	As 188.979†	745.6	772.9	1.29400	mg/L	1.29400	mg/L	12:30:35
1	B 249.677†	4553.8	3740.6	0.227060	mg/L	0.227060	mg/L	12:30:15
1	Be 234.861†	3980.8	4810.6	0.0260282	mg/L	0.0260282	mg/L	12:30:35
1	Cd 214.437†	5972.3	5751.7	0.259687	mg/L	0.259687	mg/L	12:30:35
1	Ce 413.764†	373.1	-32.9	-0.0010423	mg/L	-0.0010423	mg/L	12:30:15
1	Co 228.616†	1336.4	1412.0	0.260189	mg/L	0.260189	mg/L	12:30:35
1	Cr 205.557†	2672.9	2697.3	0.263923	mg/L	0.263923	mg/L	12:30:35
1	Cu 327.397†	8556.2	8368.4	0.259379	mg/L	0.259379	mg/L	12:30:15
1	Mn 257.610†	33610.3	33330.3	0.260149	mg/L	0.260149	mg/L	12:30:15
1	Mo 202.031†	2019.6	1928.9	0.268881	mg/L	0.268881	mg/L	12:30:35
1	Ni 231.604†	3265.3	2821.6	0.263313	mg/L	0.263313	mg/L	12:30:35
1	Pb 220.353†	426.7	453.7	0.266739	mg/L	0.266739	mg/L	12:30:35
1	Sb 217.584†	1543.3	1589.3	1.30549	mg/L	1.30549	mg/L	12:30:35

1	Se 196.026†	565.6	604.5	1.28625 mg/L	1.28625 mg/L	12:30:35
1	Si 251.611†	9830.1	9538.0	0.913177 mg/L	0.913177 mg/L	12:30:15
1	Sn 189.927†	2467.6	2446.8	1.32379 mg/L	1.32379 mg/L	12:30:35
1	Tl 190.801†	878.2	922.9	1.30163 mg/L	1.30163 mg/L	12:30:35
1	V 292.395†	9840.3	10966.2	0.262515 mg/L	0.262515 mg/L	12:30:15
1	Zn 206.200†	2068.4	2138.5	0.263209 mg/L	0.263209 mg/L	12:30:35
2	Y 360.076	144026.3	144026.3	100.533 %		12:29:48
2	Al 396.153†	4085.0	3889.4	1.28761 mg/L	1.28761 mg/L	12:30:08
2	Ba 455.398†	74022.5	73623.2	0.262955 mg/L	0.262955 mg/L	12:29:48
2	Ca 315.887†	17437.8	17213.7	12.9247 mg/L	12.9247 mg/L	12:29:48
2	Fe 238.204†	607.9	561.6	0.266377 mg/L	0.266377 mg/L	12:30:08
2	K 766.490	8010.4	7997.2	12.8542 mg/L	12.8542 mg/L	12:29:48
2	Li 670.784†	8971.6	8937.3	0.263388 mg/L	0.263388 mg/L	12:29:48
2	Mg 279.071†	5756.5	5710.9	13.1803 mg/L	13.1803 mg/L	12:30:08
2	Na 589.592†	85663.5	84300.4	13.1595 mg/L	13.1595 mg/L	12:29:48
2	Sr 407.771†	195957.1	194172.4	0.263062 mg/L	0.263062 mg/L	12:29:48
2	Ti 334.940†	3639.4	3624.9	0.259531 mg/L	0.259531 mg/L	12:30:08
2	Sc 357.234	204848.5	204848.5	101.428 %		12:30:40
2	Ag 328.068†	15052.8	14776.5	0.247444 mg/L	0.247444 mg/L	12:30:40
2	As 188.979†	742.4	760.2	1.27260 mg/L	1.27260 mg/L	12:31:00
2	B 249.677†	4616.5	3744.1	0.227277 mg/L	0.227277 mg/L	12:30:40
2	Be 234.861†	3978.2	4757.1	0.0257345 mg/L	0.0257345 mg/L	12:31:00
2	Cd 214.437†	5985.5	5688.3	0.256806 mg/L	0.256806 mg/L	12:31:00
2	Ce 413.764†	441.6	29.9	0.0008556 mg/L	0.0008556 mg/L	12:30:40
2	Co 228.616†	1349.0	1407.4	0.259324 mg/L	0.259324 mg/L	12:31:00
2	Cr 205.557†	2677.2	2667.4	0.260969 mg/L	0.260969 mg/L	12:31:00
2	Cu 327.397†	8689.3	8390.1	0.260063 mg/L	0.260063 mg/L	12:30:40
2	Mn 257.610†	34113.1	33395.5	0.260661 mg/L	0.260661 mg/L	12:30:40
2	Mo 202.031†	2022.0	1905.4	0.265589 mg/L	0.265589 mg/L	12:31:00
2	Ni 231.604†	3275.1	2789.4	0.260293 mg/L	0.260293 mg/L	12:31:00
2	Pb 220.353†	422.7	444.3	0.261155 mg/L	0.261155 mg/L	12:31:00
2	Sb 217.584†	1550.0	1576.1	1.29462 mg/L	1.29462 mg/L	12:31:00
2	Se 196.026†	568.5	600.1	1.27677 mg/L	1.27677 mg/L	12:31:00
2	Si 251.611†	9945.1	9525.4	0.912010 mg/L	0.912010 mg/L	12:30:40
2	Sn 189.927†	2461.4	2409.1	1.30342 mg/L	1.30342 mg/L	12:31:00
2	Tl 190.801†	879.2	912.6	1.28713 mg/L	1.28713 mg/L	12:31:00
2	V 292.395†	10014.6	11011.9	0.263571 mg/L	0.263571 mg/L	12:30:40
2	Zn 206.200†	2056.8	2100.6	0.258490 mg/L	0.258490 mg/L	12:31:00

Mean Data: 1000787-BS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 357.234	203534.8	100.778	%	0.9199				0.91%
Y 360.076	143717.6	100.318	%	0.3048				0.30%
Ag 328.068†	14754.5	0.247073	mg/L	0.0005260	0.247073	mg/L	0.0005260	0.21%
Al 396.153†	3902.8	1.29210	mg/L	0.006349	1.29210	mg/L	0.006349	0.49%
As 188.979†	766.6	1.28330	mg/L	0.015127	1.28330	mg/L	0.015127	1.18%
B 249.677†	3742.3	0.227169	mg/L	0.0001528	0.227169	mg/L	0.0001528	0.07%
Ba 455.398†	73433.8	0.262276	mg/L	0.0009603	0.262276	mg/L	0.0009603	0.37%
Be 234.861†	4783.9	0.0258813	mg/L	0.00020771	0.0258813	mg/L	0.00020771	0.80%
Ca 315.887†	17173.5	12.8945	mg/L	0.04272	12.8945	mg/L	0.04272	0.33%
Cd 214.437†	5720.0	0.258246	mg/L	0.0020368	0.258246	mg/L	0.0020368	0.79%
Ce 413.764†	-1.5	-0.0000933	mg/L	0.00134205	-0.0000933	mg/L	0.00134205	>999.9%
Co 228.616†	1409.7	0.259756	mg/L	0.0006114	0.259756	mg/L	0.0006114	0.24%
Cr 205.557†	2682.3	0.262446	mg/L	0.0020891	0.262446	mg/L	0.0020891	0.80%
Cu 327.397†	8379.2	0.259721	mg/L	0.0004831	0.259721	mg/L	0.0004831	0.19%
Fe 238.204†	559.2	0.265238	mg/L	0.0016113	0.265238	mg/L	0.0016113	0.61%
K 766.490	7986.1	12.8363	mg/L	0.02529	12.8363	mg/L	0.02529	0.20%
Li 670.784†	8940.8	0.263492	mg/L	0.0001479	0.263492	mg/L	0.0001479	0.06%
Mg 279.071†	5723.1	13.2086	mg/L	0.04000	13.2086	mg/L	0.04000	0.30%
Mn 257.610†	33362.9	0.260405	mg/L	0.0003618	0.260405	mg/L	0.0003618	0.14%
Mo 202.031†	1917.1	0.267235	mg/L	0.0023275	0.267235	mg/L	0.0023275	0.87%
Na 589.592†	84194.3	13.1429	mg/L	0.02345	13.1429	mg/L	0.02345	0.18%
Ni 231.604†	2805.5	0.261803	mg/L	0.0021353	0.261803	mg/L	0.0021353	0.82%
Pb 220.353†	449.0	0.263947	mg/L	0.0039481	0.263947	mg/L	0.0039481	1.50%
Sb 217.584†	1582.7	1.30006	mg/L	0.007682	1.30006	mg/L	0.007682	0.59%
Se 196.026†	602.3	1.28151	mg/L	0.006701	1.28151	mg/L	0.006701	0.52%
Si 251.611†	9531.7	0.912593	mg/L	0.0008256	0.912593	mg/L	0.0008256	0.09%
Sn 189.927†	2427.9	1.31361	mg/L	0.014401	1.31361	mg/L	0.014401	1.10%
Sr 407.771†	193706.3	0.262428	mg/L	0.0008967	0.262428	mg/L	0.0008967	0.34%

Ti 334.940†	3640.9	0.260670 mg/L	0.0016112	0.260670 mg/L	0.0016112	0.62%
Tl 190.801†	917.7	1.29438 mg/L	0.010252	1.29438 mg/L	0.010252	0.79%
V 292.395†	10989.0	0.263043 mg/L	0.0007469	0.263043 mg/L	0.0007469	0.28%
Zn 206.200†	2119.5	0.260850 mg/L	0.0033369	0.260850 mg/L	0.0033369	1.28%

Sequence No.: 20 **Autosampler Location: 22**
Sample ID: 1001350-01 **Date Collected: 2/5/2010 12:32:16 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1001350-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	146589.8	146589.8	102.323	%			12:33:27
1	Al 396.153†	197216.8	192566.0	64.8704	mg/L	64.8704	mg/L	12:33:22
1	Ba 455.398†	416227.3	406772.1	1.45751	mg/L	1.45751	mg/L	12:33:22
1	Ca 315.887†	151536.4	147964.8	111.197	mg/L	111.197	mg/L	12:33:27
1	Fe 238.204†	286743.2	280190.9	133.673	mg/L	133.673	mg/L	12:33:22
1	K 766.490	2431.6	2418.4	3.87668	mg/L	3.87668	mg/L	12:33:27
1	Li 670.784†	2707.0	2658.9	0.0775996	mg/L	0.0775996	mg/L	12:33:27
1	Mg 279.071†	17466.1	17054.6	39.4033	mg/L	39.4033	mg/L	12:33:27
1	Na 589.592†	6250.2	5199.8	0.801216	mg/L	0.801216	mg/L	12:33:27
1	Sr 407.771†	140741.0	136801.2	0.185011	mg/L	0.185011	mg/L	12:33:22
1	Ti 334.940†	26906.2	26300.3	1.88262	mg/L	1.88262	mg/L	12:33:27
1	Sc 357.234	208099.1	208099.1	103.038	%			12:33:44
1	Ag 328.068†	-4925.1	-4844.2	-0.0613546	mg/L	-0.0613546	mg/L	12:33:44
1	As 188.979†	44.3	71.2	0.0976533	mg/L	0.0976533	mg/L	12:34:04
1	B 249.677†	688.4	-139.3	0.0029567	mg/L	0.0029567	mg/L	12:33:44
1	Be 234.861†	8121.3	8716.7	0.0021125	mg/L	0.0021125	mg/L	12:33:44
1	Cd 214.437†	814.7	577.8	-0.0039286	mg/L	-0.0039286	mg/L	12:34:04
1	Ce 413.764†	6259.5	5669.4	0.170686	mg/L	0.170686	mg/L	12:33:44
1	Co 228.616†	276.1	345.3	0.0539999	mg/L	0.0539999	mg/L	12:34:04
1	Cr 205.557†	3701.2	3619.9	0.363238	mg/L	0.363238	mg/L	12:34:04
1	Cu 327.397†	13075.7	12513.2	0.390928	mg/L	0.390928	mg/L	12:33:44
1	Mn 257.610†	731811.9	709998.4	5.57585	mg/L	5.57585	mg/L	12:33:44
1	Mo 202.031†	238.6	143.4	0.0188686	mg/L	0.0188686	mg/L	12:34:04
1	Ni 231.604†	1527.9	1043.2	0.0965442	mg/L	0.0965442	mg/L	12:34:04
1	Pb 220.353†	3114.6	3050.4	1.80556	mg/L	1.80556	mg/L	12:34:04
1	Sb 217.584†	-700.5	-631.9	-0.125022	mg/L	-0.125022	mg/L	12:34:04
1	Se 196.026†	5.0	44.4	0.246342	mg/L	0.246342	mg/L	12:34:04
1	Si 251.611†	61800.0	59698.2	5.81683	mg/L	5.81683	mg/L	12:33:44
1	Sn 189.927†	-36.6	-53.2	-0.0057108	mg/L	-0.0057108	mg/L	12:34:04
1	Tl 190.801†	-80.3	-32.2	-0.0280213	mg/L	-0.0280213	mg/L	12:34:04
1	V 292.395†	7302.3	8225.4	0.169123	mg/L	0.169123	mg/L	12:33:44
1	Zn 206.200†	9383.3	9179.4	1.12840	mg/L	1.12840	mg/L	12:33:44
2	Y 360.076	147849.3	147849.3	103.202	%			12:33:37
2	Al 396.153†	196111.2	189852.7	63.9564	mg/L	63.9564	mg/L	12:33:32
2	Ba 455.398†	413952.4	401102.5	1.43718	mg/L	1.43718	mg/L	12:33:32
2	Ca 315.887†	152572.5	147707.2	111.003	mg/L	111.003	mg/L	12:33:37
2	Fe 238.204†	285220.9	276328.5	131.831	mg/L	131.831	mg/L	12:33:32
2	K 766.490	2468.1	2454.9	3.93545	mg/L	3.93545	mg/L	12:33:37
2	Li 670.784†	2712.9	2642.0	0.0770994	mg/L	0.0770994	mg/L	12:33:37
2	Mg 279.071†	17610.7	17049.2	39.3910	mg/L	39.3910	mg/L	12:33:37
2	Na 589.592†	6252.6	5150.1	0.793449	mg/L	0.793449	mg/L	12:33:37
2	Sr 407.771†	139934.9	134848.3	0.182354	mg/L	0.182354	mg/L	12:33:32
2	Ti 334.940†	27051.4	26217.0	1.87666	mg/L	1.87666	mg/L	12:33:37
2	Sc 357.234	206610.4	206610.4	102.301	%			12:34:09
2	Ag 328.068†	-4809.3	-4765.5	-0.0602870	mg/L	-0.0602870	mg/L	12:34:09
2	As 188.979†	48.0	75.1	0.104345	mg/L	0.104345	mg/L	12:34:29
2	B 249.677†	705.3	-118.0	0.0040685	mg/L	0.0040685	mg/L	12:34:09
2	Be 234.861†	8060.2	8713.8	0.0027225	mg/L	0.0027225	mg/L	12:34:09
2	Cd 214.437†	816.3	585.0	-0.0031992	mg/L	-0.0031992	mg/L	12:34:29
2	Ce 413.764†	6168.7	5624.4	0.169329	mg/L	0.169329	mg/L	12:34:09
2	Co 228.616†	280.9	351.9	0.0553167	mg/L	0.0553167	mg/L	12:34:29
2	Cr 205.557†	3723.3	3667.4	0.367812	mg/L	0.367812	mg/L	12:34:29
2	Cu 327.397†	12938.1	12470.2	0.389567	mg/L	0.389567	mg/L	12:34:09
2	Mn 257.610†	727675.2	711072.2	5.58420	mg/L	5.58420	mg/L	12:34:09
2	Mo 202.031†	229.3	135.9	0.0178309	mg/L	0.0178309	mg/L	12:34:29

2	Ni 231.604†	1533.7	1059.6	0.0980762 mg/L	0.0980762 mg/L	12:34:29
2	Pb 220.353†	3155.9	3112.5	1.84235 mg/L	1.84235 mg/L	12:34:29
2	Sb 217.584†	-705.2	-641.4	-0.138383 mg/L	-0.138383 mg/L	12:34:29
2	Se 196.026†	2.1	41.7	0.238190 mg/L	0.238190 mg/L	12:34:29
2	Si 251.611†	61657.8	59991.4	5.84522 mg/L	5.84522 mg/L	12:34:09
2	Sn 189.927†	-31.9	-48.9	-0.0034100 mg/L	-0.0034100 mg/L	12:34:29
2	Tl 190.801†	-76.3	-28.9	-0.0234972 mg/L	-0.0234972 mg/L	12:34:29
2	V 292.395†	7252.6	8227.8	0.169509 mg/L	0.169509 mg/L	12:34:09
2	Zn 206.200†	9411.9	9273.0	1.14015 mg/L	1.14015 mg/L	12:34:09

Mean Data: 1001350-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	207354.7	102.669	%	0.5212				0.51%
Y 360.076	147219.5	102.762	%	0.6217				0.60%
Ag 328.068†	-4804.8	-0.0608208	mg/L	0.00075486	-0.0608208	mg/L	0.00075486	1.24%
Al 396.153†	191209.4	64.4134	mg/L	0.64629	64.4134	mg/L	0.64629	1.00%
As 188.979†	73.2	0.100999	mg/L	0.0047315	0.100999	mg/L	0.0047315	4.68%
B 249.677†	-128.7	0.0035126	mg/L	0.00078617	0.0035126	mg/L	0.00078617	22.38%
Ba 455.398†	403937.3	1.44735	mg/L	0.014375	1.44735	mg/L	0.014375	0.99%
Be 234.861†	8715.3	0.0024175	mg/L	0.00043136	0.0024175	mg/L	0.00043136	17.84%
Ca 315.887†	147836.0	111.100	mg/L	0.1370	111.100	mg/L	0.1370	0.12%
Cd 214.437†	581.4	-0.0035639	mg/L	0.00051579	-0.0035639	mg/L	0.00051579	14.47%
Ce 413.764†	5646.9	0.170008	mg/L	0.0009594	0.170008	mg/L	0.0009594	0.56%
Co 228.616†	348.6	0.0546583	mg/L	0.00093108	0.0546583	mg/L	0.00093108	1.70%
Cr 205.557†	3643.7	0.365525	mg/L	0.0032342	0.365525	mg/L	0.0032342	0.88%
Cu 327.397†	12491.7	0.390248	mg/L	0.0009620	0.390248	mg/L	0.0009620	0.25%
Fe 238.204†	278259.7	132.752	mg/L	1.3030	132.752	mg/L	1.3030	0.98%
K 766.490	2436.6	3.90606	mg/L	0.041555	3.90606	mg/L	0.041555	1.06%
Li 670.784†	2650.4	0.0773495	mg/L	0.00035374	0.0773495	mg/L	0.00035374	0.46%
Mg 279.071†	17051.9	39.3971	mg/L	0.00872	39.3971	mg/L	0.00872	0.02%
Mn 257.610†	710535.3	5.58002	mg/L	0.005910	5.58002	mg/L	0.005910	0.11%
Mo 202.031†	139.7	0.0183498	mg/L	0.00073380	0.0183498	mg/L	0.00073380	4.00%
Na 589.592†	5174.9	0.797333	mg/L	0.0054916	0.797333	mg/L	0.0054916	0.69%
Ni 231.604†	1051.4	0.0973102	mg/L	0.00108326	0.0973102	mg/L	0.00108326	1.11%
Pb 220.353†	3081.4	1.82396	mg/L	0.026019	1.82396	mg/L	0.026019	1.43%
Sb 217.584†	-636.7	-0.131702	mg/L	0.0094478	-0.131702	mg/L	0.0094478	7.17%
Se 196.026†	43.0	0.242266	mg/L	0.0057642	0.242266	mg/L	0.0057642	2.38%
Si 251.611†	59844.8	5.83103	mg/L	0.020075	5.83103	mg/L	0.020075	0.34%
Sn 189.927†	-51.0	-0.0045604	mg/L	0.00162692	-0.0045604	mg/L	0.00162692	35.67%
Sr 407.771†	135824.8	0.183682	mg/L	0.0018786	0.183682	mg/L	0.0018786	1.02%
Ti 334.940†	26258.6	1.87964	mg/L	0.004216	1.87964	mg/L	0.004216	0.22%
Tl 190.801†	-30.5	-0.0257592	mg/L	0.00319902	-0.0257592	mg/L	0.00319902	12.42%
V 292.395†	8226.6	0.169316	mg/L	0.0002730	0.169316	mg/L	0.0002730	0.16%
Zn 206.200†	9226.2	1.13428	mg/L	0.008315	1.13428	mg/L	0.008315	0.73%

==========

Sequence No.: 21
Sample ID: 1001350-02
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 23
Date Collected: 2/5/2010 12:37:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001350-02

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	139952.1	139952.1	97.6895	%			12:38:34
1	Al 396.153†	163746.6	167445.4	56.5078	mg/L	56.5078	mg/L	12:38:29
1	Ba 455.398†	469431.2	480527.1	1.72197	mg/L	1.72197	mg/L	12:38:29
1	Ca 315.887†	717477.5	734314.9	551.895	mg/L	551.895	mg/L	12:38:29
1	Fe 238.204†	644743.1	659948.8	314.846	mg/L	314.846	mg/L	12:38:29
1	K 766.490	3442.9	3429.7	5.50409	mg/L	5.50409	mg/L	12:38:34
1	Li 670.784†	2446.8	2518.0	0.0734290	mg/L	0.0734290	mg/L	12:38:34
1	Mg 279.071†	73202.9	74919.1	173.168	mg/L	173.168	mg/L	12:38:34
1	Na 589.592†	7883.3	7161.2	1.10766	mg/L	1.10766	mg/L	12:38:34
1	Sr 407.771†	265712.7	271252.2	0.367927	mg/L	0.367927	mg/L	12:38:29
1	Ti 334.940†	45450.3	46530.1	3.33067	mg/L	3.33067	mg/L	12:38:34
1	Sc 357.234	190716.2	190716.2	94.4310	%			12:38:51
1	Ag 328.068†	-11275.7	-12005.0	-0.152042	mg/L	-0.152042	mg/L	12:38:51

1	As 188.979†	40.1	70.7	0.0870823 mg/L	0.0870823 mg/L	12:39:11
1	B 249.677†	501.8	-276.0	0.0137520 mg/L	0.0137520 mg/L	12:38:51
1	Be 234.861†	17963.7	19857.9	0.0022344 mg/L	0.0022344 mg/L	12:38:51
1	Cd 214.437†	1417.5	1288.1	-0.0040117 mg/L	-0.0040117 mg/L	12:39:11
1	Ce 413.764†	8291.8	8375.3	0.251941 mg/L	0.251941 mg/L	12:38:51
1	Co 228.616†	285.1	379.2	0.0506350 mg/L	0.0506350 mg/L	12:39:11
1	Cr 205.557†	1598.8	1720.9	0.187043 mg/L	0.187043 mg/L	12:39:11
1	Cu 327.397†	57710.5	60937.1	1.91699 mg/L	1.91699 mg/L	12:38:51
1	Mn 257.610†	1229398.3	1301664.3	10.2262 mg/L	10.2262 mg/L	12:38:51
1	Mo 202.031†	227.7	153.0	0.0202128 mg/L	0.0202128 mg/L	12:39:11
1	Ni 231.604†	1872.5	1543.3	0.143379 mg/L	0.143379 mg/L	12:39:11
1	Pb 220.353†	1594.5	1716.1	1.01201 mg/L	1.01201 mg/L	12:39:11
1	Sb 217.584†	-1547.0	-1590.3	-0.368681 mg/L	-0.368681 mg/L	12:39:11
1	Se 196.026†	75.9	120.0	0.621535 mg/L	0.621535 mg/L	12:39:11
1	Si 251.611†	20866.5	21817.4	2.11585 mg/L	2.11585 mg/L	12:38:51
1	Sn 189.927†	136.1	126.5	0.187575 mg/L	0.187575 mg/L	12:39:11
1	Tl 190.801†	-96.8	-56.7	-0.0482211 mg/L	-0.0482211 mg/L	12:39:11
1	V 292.395†	9836.3	11554.7	0.214375 mg/L	0.214375 mg/L	12:39:11
1	Zn 206.200†	18276.5	19427.1	2.38871 mg/L	2.38871 mg/L	12:38:51
2	Y 360.076	138081.5	138081.5	96.3838 %		12:38:45
2	Al 396.153†	161676.9	167568.9	56.5493 mg/L	56.5493 mg/L	12:38:39
2	Ba 455.398†	463366.1	480744.1	1.72275 mg/L	1.72275 mg/L	12:38:39
2	Ca 315.887†	707713.9	734134.4	551.760 mg/L	551.760 mg/L	12:38:39
2	Fe 238.204†	636967.9	660822.7	315.263 mg/L	315.263 mg/L	12:38:39
2	K 766.490	3414.5	3401.3	5.45837 mg/L	5.45837 mg/L	12:38:45
2	Li 670.784†	2422.6	2526.8	0.0736905 mg/L	0.0736905 mg/L	12:38:45
2	Mg 279.071†	72452.9	75156.1	173.715 mg/L	173.715 mg/L	12:38:45
2	Na 589.592†	7800.3	7184.4	1.11128 mg/L	1.11128 mg/L	12:38:45
2	Sr 407.771†	262037.0	271123.3	0.367751 mg/L	0.367751 mg/L	12:38:39
2	Ti 334.940†	44910.8	46600.7	3.33572 mg/L	3.33572 mg/L	12:38:45
2	Sc 357.234	188985.0	188985.0	93.5738 %		12:39:17
2	Ag 328.068†	-11236.8	-12072.8	-0.153126 mg/L	-0.153126 mg/L	12:39:17
2	As 188.979†	46.8	78.3	0.0997867 mg/L	0.0997867 mg/L	12:39:37
2	B 249.677†	493.9	-279.7	0.0135644 mg/L	0.0135644 mg/L	12:39:17
2	Be 234.861†	18100.7	20178.7	0.0038492 mg/L	0.0038492 mg/L	12:39:17
2	Cd 214.437†	1391.3	1273.9	-0.0047373 mg/L	-0.0047373 mg/L	12:39:37
2	Ce 413.764†	8183.5	8340.0	0.250875 mg/L	0.250875 mg/L	12:39:17
2	Co 228.616†	297.8	395.6	0.0536376 mg/L	0.0536376 mg/L	12:39:37
2	Cr 205.557†	1608.1	1746.4	0.189580 mg/L	0.189580 mg/L	12:39:37
2	Cu 327.397†	57537.6	61312.1	1.92880 mg/L	1.92880 mg/L	12:39:17
2	Mn 257.610†	1229051.3	1313219.6	10.3169 mg/L	10.3169 mg/L	12:39:17
2	Mo 202.031†	219.4	146.3	0.0192776 mg/L	0.0192776 mg/L	12:39:37
2	Ni 231.604†	1873.0	1562.1	0.145132 mg/L	0.145132 mg/L	12:39:37
2	Pb 220.353†	1588.0	1724.6	1.01704 mg/L	1.01704 mg/L	12:39:37
2	Sb 217.584†	-1532.3	-1589.6	-0.366858 mg/L	-0.366858 mg/L	12:39:37
2	Se 196.026†	49.2	92.2	0.562574 mg/L	0.562574 mg/L	12:39:37
2	Si 251.611†	20782.5	21930.1	2.12685 mg/L	2.12685 mg/L	12:39:17
2	Sn 189.927†	136.5	128.2	0.188463 mg/L	0.188463 mg/L	12:39:37
2	Tl 190.801†	-106.4	-67.9	-0.0639955 mg/L	-0.0639955 mg/L	12:39:37
2	V 292.395†	9872.3	11688.7	0.217474 mg/L	0.217474 mg/L	12:39:37
2	Zn 206.200†	18280.3	19608.4	2.41121 mg/L	2.41121 mg/L	12:39:17

Mean Data: 1001350-02

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	189850.6	94.0024	%	0.60612				0.64%
Y 360.076	139016.8	97.0367	%	0.92326				0.95%
Ag 328.068†	-12038.9	-0.152584	mg/L	0.0007668	-0.152584	mg/L	0.0007668	0.50%
Al 396.153†	167507.2	56.5286	mg/L	0.02939	56.5286	mg/L	0.02939	0.05%
As 188.979†	74.5	0.0934345	mg/L	0.00898338	0.0934345	mg/L	0.00898338	9.61%
B 249.677†	-277.8	0.0136582	mg/L	0.00013262	0.0136582	mg/L	0.00013262	0.97%
Ba 455.398†	480635.6	1.72236	mg/L	0.000550	1.72236	mg/L	0.000550	0.03%
Be 234.861†	20018.3	0.0030418	mg/L	0.00114183	0.0030418	mg/L	0.00114183	37.54%
Ca 315.887†	734224.7	551.828	mg/L	0.0959	551.828	mg/L	0.0959	0.02%
Cd 214.437†	1281.0	-0.0043745	mg/L	0.00051309	-0.0043745	mg/L	0.00051309	11.73%
Ce 413.764†	8357.6	0.251408	mg/L	0.0007540	0.251408	mg/L	0.0007540	0.30%
Co 228.616†	387.4	0.0521363	mg/L	0.00212320	0.0521363	mg/L	0.00212320	4.07%
Cr 205.557†	1733.7	0.188311	mg/L	0.0017938	0.188311	mg/L	0.0017938	0.95%
Cu 327.397†	61124.6	1.92290	mg/L	0.008354	1.92290	mg/L	0.008354	0.43%
Fe 238.204†	660385.7	315.055	mg/L	0.2947	315.055	mg/L	0.2947	0.09%

K 766.490	3415.5	5.48123 mg/L	0.032330	5.48123 mg/L	0.032330	0.59%
Li 670.784†	2522.4	0.0735598 mg/L	0.00018490	0.0735598 mg/L	0.00018490	0.25%
Mg 279.071†	75037.6	173.442 mg/L	0.3873	173.442 mg/L	0.3873	0.22%
Mn 257.610†	1307442.0	10.2716 mg/L	0.06414	10.2716 mg/L	0.06414	0.62%
Mo 202.031†	149.6	0.0197452 mg/L	0.00066125	0.0197452 mg/L	0.00066125	3.35%
Na 589.592†	7172.8	1.10947 mg/L	0.002554	1.10947 mg/L	0.002554	0.23%
Ni 231.604†	1552.7	0.144255 mg/L	0.0012397	0.144255 mg/L	0.0012397	0.86%
Pb 220.353†	1720.4	1.01453 mg/L	0.003556	1.01453 mg/L	0.003556	0.35%
Sb 217.584†	-1589.9	-0.367769 mg/L	0.0012891	-0.367769 mg/L	0.0012891	0.35%
Se 196.026†	106.1	0.592054 mg/L	0.0416921	0.592054 mg/L	0.0416921	7.04%
Si 251.611†	21873.7	2.12135 mg/L	0.007784	2.12135 mg/L	0.007784	0.37%
Sn 189.927†	127.3	0.188019 mg/L	0.0006281	0.188019 mg/L	0.0006281	0.33%
Sr 407.771†	271187.7	0.367839 mg/L	0.0001240	0.367839 mg/L	0.0001240	0.03%
Ti 334.940†	46565.4	3.33320 mg/L	0.003571	3.33320 mg/L	0.003571	0.11%
Tl 190.801†	-62.3	-0.0561083 mg/L	0.01115418	-0.0561083 mg/L	0.01115418	19.88%
V 292.395†	11621.7	0.215925 mg/L	0.0021909	0.215925 mg/L	0.0021909	1.01%
Zn 206.200†	19517.8	2.39996 mg/L	0.015915	2.39996 mg/L	0.015915	0.66%

Sequence No.: 22
Sample ID: 1001350-03
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 24
Date Collected: 2/5/2010 12:42:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001350-03

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	138427.6	138427.6	96.6254	%			12:43:45
1	Al 396.153†	135247.5	139797.0	47.2427	mg/L	47.2427	mg/L	12:43:40
1	Ba 455.398†	943551.6	976497.7	3.50035	mg/L	3.50035	mg/L	12:43:40
1	Ca 315.887†	982249.4	1016422.0	763.926	mg/L	763.926	mg/L	12:43:40
1	Fe 238.204†	572675.7	592632.8	282.726	mg/L	282.726	mg/L	12:43:40
1	K 766.490	3457.9	3444.8	5.52833	mg/L	5.52833	mg/L	12:43:45
1	Li 670.784†	2679.0	2785.9	0.0813579	mg/L	0.0813579	mg/L	12:43:45
1	Mg 279.071†	117347.1	121430.3	280.687	mg/L	280.687	mg/L	12:43:45
1	Na 589.592†	8430.9	7816.8	1.21008	mg/L	1.21008	mg/L	12:43:45
1	Sr 407.771†	393304.9	406295.8	0.551648	mg/L	0.551648	mg/L	12:43:40
1	Ti 334.940†	32562.0	33704.1	2.41259	mg/L	2.41259	mg/L	12:43:45
1	Sc 357.234	188315.1	188315.1	93.2421	%			12:44:03
1	Ag 328.068†	-10326.5	-11139.2	-0.139761	mg/L	-0.139761	mg/L	12:44:03
1	As 188.979†	34.0	64.7	0.0831188	mg/L	0.0831188	mg/L	12:44:23
1	B 249.677†	638.9	-122.2	0.0204443	mg/L	0.0204443	mg/L	12:44:03
1	Be 234.861†	15852.4	17836.2	0.0020317	mg/L	0.0020317	mg/L	12:44:03
1	Cd 214.437†	1599.0	1502.0	0.0117704	mg/L	0.0117704	mg/L	12:44:23
1	Ce 413.764†	5488.8	5481.2	0.164805	mg/L	0.164805	mg/L	12:44:03
1	Co 228.616†	272.8	369.9	0.0521322	mg/L	0.0521322	mg/L	12:44:23
1	Cr 205.557†	3144.9	3400.7	0.350758	mg/L	0.350758	mg/L	12:44:23
1	Cu 327.397†	163634.2	175316.9	5.51894	mg/L	5.51894	mg/L	12:44:03
1	Mn 257.610†	659388.8	706942.0	5.55746	mg/L	5.55746	mg/L	12:44:03
1	Mo 202.031†	302.3	236.1	0.0318515	mg/L	0.0318515	mg/L	12:44:23
1	Ni 231.604†	1847.6	1541.9	0.143282	mg/L	0.143282	mg/L	12:44:23
1	Pb 220.353†	3705.6	4001.8	2.35614	mg/L	2.35614	mg/L	12:44:23
1	Sb 217.584†	-1406.9	-1460.9	-0.353199	mg/L	-0.353199	mg/L	12:44:23
1	Se 196.026†	39.4	81.9	0.501912	mg/L	0.501912	mg/L	12:44:23
1	Si 251.611†	31900.7	33933.0	3.31809	mg/L	3.31809	mg/L	12:44:03
1	Sn 189.927†	154.4	147.9	0.245411	mg/L	0.245411	mg/L	12:44:23
1	Tl 190.801†	-94.9	-56.0	-0.0566592	mg/L	-0.0566592	mg/L	12:44:23
1	V 292.395†	7986.3	9703.5	0.176850	mg/L	0.176850	mg/L	12:44:23
1	Zn 206.200†	31821.9	34201.0	4.22435	mg/L	4.22435	mg/L	12:44:03
2	Y 360.076	139091.6	139091.6	97.0889	%			12:43:56
2	Al 396.153†	134721.1	138586.7	46.8339	mg/L	46.8339	mg/L	12:43:51
2	Ba 455.398†	939690.2	967858.9	3.46937	mg/L	3.46937	mg/L	12:43:51
2	Ca 315.887†	981058.1	1010342.1	759.356	mg/L	759.356	mg/L	12:43:51
2	Fe 238.204†	572503.4	589625.9	281.292	mg/L	281.292	mg/L	12:43:51
2	K 766.490	3493.8	3480.7	5.58610	mg/L	5.58610	mg/L	12:43:56
2	Li 670.784†	2642.8	2735.4	0.0798622	mg/L	0.0798622	mg/L	12:43:56
2	Mg 279.071†	117746.4	121261.7	280.297	mg/L	280.297	mg/L	12:43:56
2	Na 589.592†	8446.4	7791.1	1.20607	mg/L	1.20607	mg/L	12:43:56
2	Sr 407.771†	391796.0	402798.6	0.546891	mg/L	0.546891	mg/L	12:43:51

2	Ti 334.940†	32688.9	33673.9	2.41043 mg/L	2.41043 mg/L	12:43:56
2	Sc 357.234	187436.7	187436.7	92.8072 %		12:44:28
2	Ag 328.068†	-10299.7	-11162.2	-0.140369 mg/L	-0.140369 mg/L	12:44:28
2	As 188.979†	42.7	74.2	0.0992523 mg/L	0.0992523 mg/L	12:44:48
2	B 249.677†	617.8	-141.8	0.0190753 mg/L	0.0190753 mg/L	12:44:28
2	Be 234.861†	15922.7	17991.6	0.0033672 mg/L	0.0033672 mg/L	12:44:28
2	Cd 214.437†	1608.0	1519.6	0.0128605 mg/L	0.0128605 mg/L	12:44:48
2	Ce 413.764†	5563.7	5589.4	0.168078 mg/L	0.168078 mg/L	12:44:28
2	Co 228.616†	285.3	384.7	0.0549371 mg/L	0.0549371 mg/L	12:44:48
2	Cr 205.557†	3169.0	3442.5	0.354790 mg/L	0.354790 mg/L	12:44:48
2	Cu 327.397†	163666.4	176174.1	5.54594 mg/L	5.54594 mg/L	12:44:28
2	Mn 257.610†	662869.0	714006.1	5.61285 mg/L	5.61285 mg/L	12:44:28
2	Mo 202.031†	297.3	232.1	0.0313004 mg/L	0.0313004 mg/L	12:44:48
2	Ni 231.604†	1860.6	1565.3	0.145465 mg/L	0.145465 mg/L	12:44:48
2	Pb 220.353†	3696.9	4011.1	2.36155 mg/L	2.36155 mg/L	12:44:48
2	Sb 217.584†	-1412.5	-1474.0	-0.368230 mg/L	-0.368230 mg/L	12:44:48
2	Se 196.026†	51.8	95.4	0.529091 mg/L	0.529091 mg/L	12:44:48
2	Si 251.611†	32167.8	34381.2	3.36166 mg/L	3.36166 mg/L	12:44:28
2	Sn 189.927†	150.3	144.3	0.242453 mg/L	0.242453 mg/L	12:44:48
2	Tl 190.801†	-93.3	-54.8	-0.0549728 mg/L	-0.0549728 mg/L	12:44:48
2	V 292.395†	7989.2	9746.8	0.178137 mg/L	0.178137 mg/L	12:44:48
2	Zn 206.200†	32135.3	34698.7	4.28632 mg/L	4.28632 mg/L	12:44:28

Mean Data: 1001350-03

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	187875.9	93.0246	%	0.30754				0.33%
Y 360.076	138759.6	96.8572	%	0.32774				0.34%
Ag 328.068†	-11150.7	-0.140065	mg/L	0.0004298	-0.140065	mg/L	0.0004298	0.31%
Al 396.153†	139191.8	47.0383	mg/L	0.28902	47.0383	mg/L	0.28902	0.61%
As 188.979†	69.4	0.0911856	mg/L	0.01140816	0.0911856	mg/L	0.01140816	12.51%
B 249.677†	-132.0	0.0197598	mg/L	0.00096802	0.0197598	mg/L	0.00096802	4.90%
Ba 455.398†	972178.3	3.48486	mg/L	0.021903	3.48486	mg/L	0.021903	0.63%
Be 234.861†	17913.9	0.0026994	mg/L	0.00094440	0.0026994	mg/L	0.00094440	34.98%
Ca 315.887†	1013382.0	761.641	mg/L	3.2312	761.641	mg/L	3.2312	0.42%
Cd 214.437†	1510.8	0.0123154	mg/L	0.00077083	0.0123154	mg/L	0.00077083	6.26%
Ce 413.764†	5535.3	0.166441	mg/L	0.0023146	0.166441	mg/L	0.0023146	1.39%
Co 228.616†	377.3	0.0535346	mg/L	0.00198336	0.0535346	mg/L	0.00198336	3.70%
Cr 205.557†	3421.6	0.352774	mg/L	0.0028505	0.352774	mg/L	0.0028505	0.81%
Cu 327.397†	175745.5	5.53244	mg/L	0.019089	5.53244	mg/L	0.019089	0.35%
Fe 238.204†	591129.3	282.009	mg/L	1.0144	282.009	mg/L	1.0144	0.36%
K 766.490	3462.7	5.55722	mg/L	0.040850	5.55722	mg/L	0.040850	0.74%
Li 670.784†	2760.6	0.0806100	mg/L	0.00105757	0.0806100	mg/L	0.00105757	1.31%
Mg 279.071†	121346.0	280.492	mg/L	0.2755	280.492	mg/L	0.2755	0.10%
Mn 257.610†	710474.0	5.58516	mg/L	0.039165	5.58516	mg/L	0.039165	0.70%
Mo 202.031†	234.1	0.0315760	mg/L	0.00038973	0.0315760	mg/L	0.00038973	1.23%
Na 589.592†	7803.9	1.20808	mg/L	0.002839	1.20808	mg/L	0.002839	0.23%
Ni 231.604†	1553.6	0.144373	mg/L	0.0015438	0.144373	mg/L	0.0015438	1.07%
Pb 220.353†	4006.4	2.35885	mg/L	0.003827	2.35885	mg/L	0.003827	0.16%
Sb 217.584†	-1467.4	-0.360714	mg/L	0.0106282	-0.360714	mg/L	0.0106282	2.95%
Se 196.026†	88.7	0.515501	mg/L	0.0192179	0.515501	mg/L	0.0192179	3.73%
Si 251.611†	34157.1	3.33988	mg/L	0.030814	3.33988	mg/L	0.030814	0.92%
Sn 189.927†	146.1	0.243932	mg/L	0.0020913	0.243932	mg/L	0.0020913	0.86%
Sr 407.771†	404547.2	0.549270	mg/L	0.0033643	0.549270	mg/L	0.0033643	0.61%
Ti 334.940†	33689.0	2.41151	mg/L	0.001527	2.41151	mg/L	0.001527	0.06%
Tl 190.801†	-55.4	-0.0558160	mg/L	0.00119250	-0.0558160	mg/L	0.00119250	2.14%
V 292.395†	9725.1	0.177493	mg/L	0.0009097	0.177493	mg/L	0.0009097	0.51%
Zn 206.200†	34449.8	4.25533	mg/L	0.043820	4.25533	mg/L	0.043820	1.03%

Sequence No.: 23
Sample ID: 1001350-04
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 25
Date Collected: 2/5/2010 12:47:42 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001350-04

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time

00259

1	Y 360.076	137889.7	137889.7	96.2500	%		12:48:53
1	Al 396.153†	104191.8	108077.4	36.4531	mg/L	36.4531 mg/L	12:48:53
1	Ba 455.398†	134750.6	139994.1	0.500938	mg/L	0.500938 mg/L	12:48:48
1	Ca 315.887†	385060.6	399931.4	300.574	mg/L	300.574 mg/L	12:48:48
1	Fe 238.204†	171233.6	177862.0	84.8484	mg/L	84.8484 mg/L	12:48:48
1	K 766.490	2063.4	2050.3	3.28427	mg/L	3.28427 mg/L	12:48:53
1	Li 670.784†	2125.0	2221.1	0.0646457	mg/L	0.0646457 mg/L	12:48:53
1	Mg 279.071†	58155.6	60406.3	139.619	mg/L	139.619 mg/L	12:48:53
1	Na 589.592†	5946.4	5269.5	0.812115	mg/L	0.812115 mg/L	12:48:53
1	Sr 407.771†	267645.0	277327.9	0.376192	mg/L	0.376192 mg/L	12:48:48
1	Ti 334.940†	23659.3	24586.0	1.75992	mg/L	1.75992 mg/L	12:48:53
1	Sc 357.234	200251.1	200251.1	99.1521	%		12:49:10
1	Ag 328.068†	-3059.7	-3150.1	-0.0373976	mg/L	-0.0373976 mg/L	12:49:10
1	As 188.979†	7.5	35.8	0.0394288	mg/L	0.0394288 mg/L	12:49:30
1	B 249.677†	857.5	57.4	0.0093903	mg/L	0.0093903 mg/L	12:49:10
1	Be 234.861†	4881.2	5757.8	0.0025302	mg/L	0.0025302 mg/L	12:49:10
1	Cd 214.437†	560.6	352.4	-0.0031717	mg/L	-0.0031717 mg/L	12:49:30
1	Ce 413.764†	4971.4	4608.5	0.138653	mg/L	0.138653 mg/L	12:49:10
1	Co 228.616†	115.6	193.9	0.0278425	mg/L	0.0278425 mg/L	12:49:30
1	Cr 205.557†	786.9	821.5	0.0842182	mg/L	0.0842182 mg/L	12:49:30
1	Cu 327.397†	3953.4	3810.3	0.116730	mg/L	0.116730 mg/L	12:49:10
1	Mn 257.610†	330265.8	332853.0	2.61407	mg/L	2.61407 mg/L	12:49:10
1	Mo 202.031†	190.1	103.6	0.0133003	mg/L	0.0133003 mg/L	12:49:30
1	Ni 231.604†	1162.9	733.3	0.0675413	mg/L	0.0675413 mg/L	12:49:30
1	Pb 220.353†	295.3	325.4	0.191925	mg/L	0.191925 mg/L	12:49:30
1	Sb 217.584†	-472.3	-428.4	-0.104226	mg/L	-0.104226 mg/L	12:49:30
1	Se 196.026†	-2.1	37.5	0.173887	mg/L	0.173887 mg/L	12:49:30
1	Si 251.611†	18822.2	18703.5	1.79314	mg/L	1.79314 mg/L	12:49:10
1	Sn 189.927†	-160.5	-179.5	-0.0326320	mg/L	-0.0326320 mg/L	12:49:30
1	Tl 190.801†	-74.1	-29.0	-0.0249407	mg/L	-0.0249407 mg/L	12:49:30
1	V 292.395†	4156.7	5330.6	0.109260	mg/L	0.109260 mg/L	12:49:10
1	Zn 206.200†	2470.8	2564.6	0.307024	mg/L	0.307024 mg/L	12:49:30
2	Y 360.076	144547.4	144547.4	100.897	%		12:49:03
2	Al 396.153†	104347.9	103246.1	34.8222	mg/L	34.8222 mg/L	12:49:03
2	Ba 455.398†	133862.9	132665.9	0.474662	mg/L	0.474662 mg/L	12:48:58
2	Ca 315.887†	382699.6	379164.9	284.966	mg/L	284.966 mg/L	12:48:58
2	Fe 238.204†	170221.8	168665.0	80.4608	mg/L	80.4608 mg/L	12:48:58
2	K 766.490	2080.8	2067.7	3.31230	mg/L	3.31230 mg/L	12:49:03
2	Li 670.784†	2190.2	2184.0	0.0635468	mg/L	0.0635468 mg/L	12:49:03
2	Mg 279.071†	58439.2	57904.4	133.835	mg/L	133.835 mg/L	12:49:03
2	Na 589.592†	5957.8	4996.3	0.769419	mg/L	0.769419 mg/L	12:49:03
2	Sr 407.771†	265537.0	262430.9	0.355925	mg/L	0.355925 mg/L	12:48:58
2	Ti 334.940†	23834.3	23627.3	1.69129	mg/L	1.69129 mg/L	12:49:03
2	Sc 357.234	199475.4	199475.4	98.7680	%		12:49:35
2	Ag 328.068†	-3019.8	-3121.8	-0.0376819	mg/L	-0.0376819 mg/L	12:49:35
2	As 188.979†	12.4	40.8	0.0483878	mg/L	0.0483878 mg/L	12:49:55
2	B 249.677†	843.9	47.0	0.0082968	mg/L	0.0082968 mg/L	12:49:35
2	Be 234.861†	4863.0	5758.5	0.0040205	mg/L	0.0040205 mg/L	12:49:35
2	Cd 214.437†	555.5	349.5	-0.0024027	mg/L	-0.0024027 mg/L	12:49:55
2	Ce 413.764†	4897.5	4553.1	0.137005	mg/L	0.137005 mg/L	12:49:35
2	Co 228.616†	125.8	204.7	0.0301479	mg/L	0.0301479 mg/L	12:49:55
2	Cr 205.557†	795.3	833.0	0.0850903	mg/L	0.0850903 mg/L	12:49:55
2	Cu 327.397†	3930.1	3802.2	0.116431	mg/L	0.116431 mg/L	12:49:35
2	Mn 257.610†	330440.3	334324.9	2.62545	mg/L	2.62545 mg/L	12:49:35
2	Mo 202.031†	191.8	106.0	0.0136398	mg/L	0.0136398 mg/L	12:49:55
2	Ni 231.604†	1163.4	738.3	0.0680139	mg/L	0.0680139 mg/L	12:49:55
2	Pb 220.353†	297.1	328.4	0.193648	mg/L	0.193648 mg/L	12:49:55
2	Sb 217.584†	-469.9	-427.8	-0.116944	mg/L	-0.116944 mg/L	12:49:55
2	Se 196.026†	-1.4	38.2	0.170278	mg/L	0.170278 mg/L	12:49:55
2	Si 251.611†	18861.1	18816.6	1.80490	mg/L	1.80490 mg/L	12:49:35
2	Sn 189.927†	-172.2	-192.0	-0.0427759	mg/L	-0.0427759 mg/L	12:49:55
2	Tl 190.801†	-71.7	-26.9	-0.0226054	mg/L	-0.0226054 mg/L	12:49:55
2	V 292.395†	4111.2	5300.8	0.109400	mg/L	0.109400 mg/L	12:49:35
2	Zn 206.200†	2483.7	2587.4	0.310297	mg/L	0.310297 mg/L	12:49:55

Mean Data: 1001350-04

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	199863.3	98.9600	%	0.27159				0.27%
Y 360.076	141218.6	98.5736	%	3.28609				3.33%

Ag 328.068†	-3136.0	-0.0375398 mg/L	0.00020100	-0.0375398 mg/L	0.00020100	0.54%
Al 396.153†	105661.8	35.6377 mg/L	1.15326	35.6377 mg/L	1.15326	3.24%
As 188.979†	38.3	0.0439083 mg/L	0.00633497	0.0439083 mg/L	0.00633497	14.43%
B 249.677†	52.2	0.0088436 mg/L	0.00077320	0.0088436 mg/L	0.00077320	8.74%
Ba 455.398†	136330.0	0.487800 mg/L	0.0185801	0.487800 mg/L	0.0185801	3.81%
Be 234.861†	5758.2	0.0032753 mg/L	0.00105377	0.0032753 mg/L	0.00105377	32.17%
Ca 315.887†	389548.2	292.770 mg/L	11.0365	292.770 mg/L	11.0365	3.77%
Cd 214.437†	351.0	-0.0027872 mg/L	0.00054377	-0.0027872 mg/L	0.00054377	19.51%
Ce 413.764†	4580.8	0.137829 mg/L	0.0011653	0.137829 mg/L	0.0011653	0.85%
Co 228.616†	199.3	0.0289952 mg/L	0.00163018	0.0289952 mg/L	0.00163018	5.62%
Cr 205.557†	827.2	0.0846542 mg/L	0.00061669	0.0846542 mg/L	0.00061669	0.73%
Cu 327.397†	3806.3	0.116581 mg/L	0.0002117	0.116581 mg/L	0.0002117	0.18%
Fe 238.204†	173263.5	82.6546 mg/L	3.10248	82.6546 mg/L	3.10248	3.75%
K 766.490	2059.0	3.29828 mg/L	0.019821	3.29828 mg/L	0.019821	0.60%
Li 670.784†	2202.6	0.0640962 mg/L	0.00077701	0.0640962 mg/L	0.00077701	1.21%
Mg 279.071†	59155.4	136.727 mg/L	4.0896	136.727 mg/L	4.0896	2.99%
Mn 257.610†	333589.0	2.61976 mg/L	0.008052	2.61976 mg/L	0.008052	0.31%
Mo 202.031†	104.8	0.0134700 mg/L	0.00024003	0.0134700 mg/L	0.00024003	1.78%
Na 589.592†	5132.9	0.790767 mg/L	0.0301903	0.790767 mg/L	0.0301903	3.82%
Ni 231.604†	735.8	0.0677776 mg/L	0.00033418	0.0677776 mg/L	0.00033418	0.49%
Pb 220.353†	326.9	0.192787 mg/L	0.0012184	0.192787 mg/L	0.0012184	0.63%
Sb 217.584†	-428.1	-0.110585 mg/L	0.0089931	-0.110585 mg/L	0.0089931	8.13%
Se 196.026†	37.9	0.172083 mg/L	0.0025518	0.172083 mg/L	0.0025518	1.48%
Si 251.611†	18760.1	1.79902 mg/L	0.008313	1.79902 mg/L	0.008313	0.46%
Sn 189.927†	-185.7	-0.0377040 mg/L	0.00717284	-0.0377040 mg/L	0.00717284	19.02%
Sr 407.771†	269879.4	0.366059 mg/L	0.0143308	0.366059 mg/L	0.0143308	3.91%
Ti 334.940†	24106.6	1.72560 mg/L	0.048523	1.72560 mg/L	0.048523	2.81%
Tl 190.801†	-28.0	-0.0237731 mg/L	0.00165133	-0.0237731 mg/L	0.00165133	6.95%
V 292.395†	5315.7	0.109330 mg/L	0.0000989	0.109330 mg/L	0.0000989	0.09%
Zn 206.200†	2576.0	0.308661 mg/L	0.0023142	0.308661 mg/L	0.0023142	0.75%

Sequence No.: 24
Sample ID: 1001350-05
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 26
Date Collected: 2/5/2010 12:52:52 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001350-05

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	143367.5	143367.5	100.074	%			12:53:57
1	Al 396.153†	30430.9	30234.6	10.1645	mg/L	10.1645	mg/L	12:53:57
1	Ba 455.398†	262920.8	262720.8	0.940994	mg/L	0.940994	mg/L	12:53:57
1	Ca 315.887†	10667.6	10528.2	7.89993	mg/L	7.89993	mg/L	12:54:17
1	Fe 238.204†	143460.7	143312.1	68.3734	mg/L	68.3734	mg/L	12:53:57
1	K 766.490	1983.2	1970.1	3.15524	mg/L	3.15524	mg/L	12:54:17
1	Li 670.784†	558.9	571.8	0.0158390	mg/L	0.0158390	mg/L	12:54:17
1	Mg 279.071†	910.3	894.6	2.04663	mg/L	2.04663	mg/L	12:54:17
1	Na 589.592†	8199.6	7285.0	1.12699	mg/L	1.12699	mg/L	12:53:57
1	Sr 407.771†	580715.4	579543.4	0.787346	mg/L	0.787346	mg/L	12:53:57
1	Ti 334.940†	29938.5	29921.4	2.14182	mg/L	2.14182	mg/L	12:53:57
1	Sc 357.234	208386.1	208386.1	103.180	%			12:54:49
1	Ag 328.068†	-2508.4	-2495.4	-0.0321456	mg/L	-0.0321456	mg/L	12:54:49
1	As 188.979†	95.3	120.6	0.180328	mg/L	0.180328	mg/L	12:55:09
1	B 249.677†	3023.6	2123.0	0.134356	mg/L	0.134356	mg/L	12:54:49
1	Be 234.861†	6548.5	7181.5	0.0160453	mg/L	0.0160453	mg/L	12:54:49
1	Cd 214.437†	455.8	228.8	-0.0038038	mg/L	-0.0038038	mg/L	12:55:09
1	Ce 413.764†	3643.5	3125.7	0.0937005	mg/L	0.0937005	mg/L	12:54:49
1	Co 228.616†	196.2	267.5	0.0412063	mg/L	0.0412063	mg/L	12:55:09
1	Cr 205.557†	891.4	891.8	0.0901297	mg/L	0.0901297	mg/L	12:55:09
1	Cu 327.397†	6629.5	6248.2	0.193755	mg/L	0.193755	mg/L	12:54:49
1	Mn 257.610†	16816.4	16060.9	0.127175	mg/L	0.127175	mg/L	12:54:49
1	Mo 202.031†	163.4	70.2	0.0086224	mg/L	0.0086224	mg/L	12:55:09
1	Ni 231.604†	1406.8	923.8	0.0853738	mg/L	0.0853738	mg/L	12:55:09
1	Pb 220.353†	170.6	192.9	0.113564	mg/L	0.113564	mg/L	12:55:09
1	Sb 217.584†	-376.0	-316.4	-0.0613807	mg/L	-0.0613807	mg/L	12:55:09
1	Se 196.026†	3.4	42.9	0.165992	mg/L	0.165992	mg/L	12:55:09
1	Si 251.611†	32061.9	30794.0	2.96288	mg/L	2.96288	mg/L	12:54:49
1	Sn 189.927†	12.2	-5.8	-0.0026454	mg/L	-0.0026454	mg/L	12:55:09

1	Tl 190.801†	-85.2	-36.8	-0.0326832 mg/L	-0.0326832 mg/L	12:55:09
1	V 292.395†	6093.3	7043.9	0.152772 mg/L	0.152772 mg/L	12:54:49
1	Zn 206.200†	863.5	909.6	0.106542 mg/L	0.106542 mg/L	12:55:09
2	Y 360.076	143185.4	143185.4	99.9465 %		12:54:22
2	Al 396.153†	30611.5	30454.0	10.2385 mg/L	10.2385 mg/L	12:54:22
2	Ba 455.398†	265127.7	265263.1	0.950110 mg/L	0.950110 mg/L	12:54:22
2	Ca 315.887†	10787.5	10661.7	8.00029 mg/L	8.00029 mg/L	12:54:42
2	Fe 238.204†	145262.7	145297.4	69.3205 mg/L	69.3205 mg/L	12:54:22
2	K 766.490	2015.3	2002.1	3.20676 mg/L	3.20676 mg/L	12:54:42
2	Li 670.784†	536.2	549.8	0.0151886 mg/L	0.0151886 mg/L	12:54:42
2	Mg 279.071†	914.5	899.9	2.05882 mg/L	2.05882 mg/L	12:54:42
2	Na 589.592†	8273.6	7369.4	1.14019 mg/L	1.14019 mg/L	12:54:22
2	Sr 407.771†	585463.0	585031.7	0.794812 mg/L	0.794812 mg/L	12:54:22
2	Ti 334.940†	30239.7	30260.8	2.16612 mg/L	2.16612 mg/L	12:54:22
2	Sc 357.234	229329.9	229329.9	113.550 %		12:55:14
2	Ag 328.068†	-2670.0	-2415.7	-0.0306844 mg/L	-0.0306844 mg/L	12:55:14
2	As 188.979†	105.9	121.5	0.181593 mg/L	0.181593 mg/L	12:55:34
2	B 249.677†	3341.4	2135.3	0.135197 mg/L	0.135197 mg/L	12:55:14
2	Be 234.861†	7371.3	7326.6	0.0165201 mg/L	0.0165201 mg/L	12:55:14
2	Cd 214.437†	476.2	206.4	-0.0049907 mg/L	-0.0049907 mg/L	12:55:34
2	Ce 413.764†	4026.6	3140.6	0.0941449 mg/L	0.0941449 mg/L	12:55:14
2	Co 228.616†	219.3	270.5	0.0416843 mg/L	0.0416843 mg/L	12:55:34
2	Cr 205.557†	951.9	866.2	0.0876639 mg/L	0.0876639 mg/L	12:55:34
2	Cu 327.397†	7439.7	6375.0	0.197764 mg/L	0.197764 mg/L	12:55:14
2	Mn 257.610†	18779.9	16301.7	0.129100 mg/L	0.129100 mg/L	12:55:14
2	Mo 202.031†	166.8	58.7	0.0070207 mg/L	0.0070207 mg/L	12:55:34
2	Ni 231.604†	1487.5	870.4	0.0803623 mg/L	0.0803623 mg/L	12:55:34
2	Pb 220.353†	193.5	198.0	0.116551 mg/L	0.116551 mg/L	12:55:34
2	Sb 217.584†	-403.3	-307.2	-0.0509254 mg/L	-0.0509254 mg/L	12:55:34
2	Se 196.026†	7.3	46.1	0.173769 mg/L	0.173769 mg/L	12:55:34
2	Si 251.611†	35579.4	31054.0	2.98795 mg/L	2.98795 mg/L	12:55:14
2	Sn 189.927†	-1.6	-19.1	-0.0097717 mg/L	-0.0097717 mg/L	12:55:34
2	Tl 190.801†	-89.9	-33.4	-0.0276624 mg/L	-0.0276624 mg/L	12:55:34
2	V 292.395†	6931.5	7242.7	0.157299 mg/L	0.157299 mg/L	12:55:14
2	Zn 206.200†	964.4	922.1	0.108040 mg/L	0.108040 mg/L	12:55:34

Mean Data: 1001350-05

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	218858.0	108.365	%	7.3328				6.77%
Y 360.076	143276.5	100.010	%	0.0899				0.09%
Ag 328.068†	-2455.6	-0.0314150	mg/L	0.00103320	-0.0314150	mg/L	0.00103320	3.29%
Al 396.153†	30344.3	10.2015	mg/L	0.05228	10.2015	mg/L	0.05228	0.51%
As 188.979†	121.1	0.180960	mg/L	0.0008946	0.180960	mg/L	0.0008946	0.49%
B 249.677†	2129.1	0.134777	mg/L	0.0005953	0.134777	mg/L	0.0005953	0.44%
Ba 455.398†	263992.0	0.945552	mg/L	0.0064458	0.945552	mg/L	0.0064458	0.68%
Be 234.861†	7254.0	0.0162827	mg/L	0.00033573	0.0162827	mg/L	0.00033573	2.06%
Ca 315.887†	10594.9	7.95011	mg/L	0.070963	7.95011	mg/L	0.070963	0.89%
Cd 214.437†	217.6	-0.0043972	mg/L	0.00083931	-0.0043972	mg/L	0.00083931	19.09%
Ce 413.764†	3133.2	0.0939227	mg/L	0.00031423	0.0939227	mg/L	0.00031423	0.33%
Co 228.616†	269.0	0.0414453	mg/L	0.00033801	0.0414453	mg/L	0.00033801	0.82%
Cr 205.557†	879.0	0.0888968	mg/L	0.00174355	0.0888968	mg/L	0.00174355	1.96%
Cu 327.397†	6311.6	0.195759	mg/L	0.0028347	0.195759	mg/L	0.0028347	1.45%
Fe 238.204†	144304.7	68.8470	mg/L	0.66975	68.8470	mg/L	0.66975	0.97%
K 766.490	1986.1	3.18100	mg/L	0.036431	3.18100	mg/L	0.036431	1.15%
Li 670.784†	560.8	0.0155138	mg/L	0.00045988	0.0155138	mg/L	0.00045988	2.96%
Mg 279.071†	897.2	2.05272	mg/L	0.008623	2.05272	mg/L	0.008623	0.42%
Mn 257.610†	16181.3	0.128137	mg/L	0.0013615	0.128137	mg/L	0.0013615	1.06%
Mo 202.031†	64.5	0.0078216	mg/L	0.00113256	0.0078216	mg/L	0.00113256	14.48%
Na 589.592†	7327.2	1.13359	mg/L	0.009333	1.13359	mg/L	0.009333	0.82%
Ni 231.604†	897.1	0.0828680	mg/L	0.00354364	0.0828680	mg/L	0.00354364	4.28%
Pb 220.353†	195.4	0.115058	mg/L	0.0021122	0.115058	mg/L	0.0021122	1.84%
Sb 217.584†	-311.8	-0.0561531	mg/L	0.00739303	-0.0561531	mg/L	0.00739303	13.17%
Se 196.026†	44.5	0.169881	mg/L	0.0054993	0.169881	mg/L	0.0054993	3.24%
Si 251.611†	30924.0	2.97541	mg/L	0.017725	2.97541	mg/L	0.017725	0.60%
Sn 189.927†	-12.4	-0.0062086	mg/L	0.00503910	-0.0062086	mg/L	0.00503910	81.16%
Sr 407.771†	582287.6	0.791079	mg/L	0.0052797	0.791079	mg/L	0.0052797	0.67%
Ti 334.940†	30091.1	2.15397	mg/L	0.017178	2.15397	mg/L	0.017178	0.80%
Tl 190.801†	-35.1	-0.0301728	mg/L	0.00355019	-0.0301728	mg/L	0.00355019	11.77%
V 292.395†	7143.3	0.155035	mg/L	0.0032011	0.155035	mg/L	0.0032011	2.06%

Zn 206.200†	915.8	0.107291 mg/L	0.0010596	0.107291 mg/L	0.0010596	0.99%

Sequence No.: 25 **Autosampler Location: 4**
Sample ID: 0B02016-CCV **Date Collected: 2/5/2010 12:58:30 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0B02016-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	159456.1	159456.1	111.304	%			12:59:35
1	Al 396.153†	8499.6	7462.5	2.48495	mg/L	2.48495	mg/L	12:59:35
1	Ba 455.398†	155962.3	140116.5	0.501377	mg/L	0.501377	mg/L	12:59:35
1	Ca 315.887†	7607.5	6703.3	5.02520	mg/L	5.02520	mg/L	12:59:56
1	Fe 238.204†	1233.7	1065.3	0.506956	mg/L	0.506956	mg/L	12:59:56
1	K 766.490	3435.8	3422.7	5.49279	mg/L	5.49279	mg/L	12:59:56
1	Li 670.784†	18811.2	16914.1	0.499435	mg/L	0.499435	mg/L	12:59:35
1	Mg 279.071†	2409.6	2149.8	4.94836	mg/L	4.94836	mg/L	12:59:56
1	Na 589.592†	36314.5	31718.0	4.94430	mg/L	4.94430	mg/L	12:59:35
1	Sr 407.771†	411594.3	369048.9	0.500975	mg/L	0.500975	mg/L	12:59:35
1	Ti 334.940†	7790.4	7004.1	0.501409	mg/L	0.501409	mg/L	12:59:56
1	Sc 357.234	222544.6	222544.6	110.190	%			13:00:27
1	Ag 328.068†	33150.1	30020.1	0.502347	mg/L	0.502347	mg/L	13:00:27
1	As 188.979†	1626.5	1504.4	2.52644	mg/L	2.52644	mg/L	13:00:47
1	B 249.677†	9637.4	7938.7	0.484797	mg/L	0.484797	mg/L	13:00:27
1	Be 234.861†	9300.7	9275.4	0.0503719	mg/L	0.0503719	mg/L	13:00:47
1	Cd 214.437†	12544.4	11171.4	0.505706	mg/L	0.505706	mg/L	13:00:47
1	Ce 413.764†	358.4	-80.2	-0.0025154	mg/L	-0.0025154	mg/L	13:00:27
1	Co 228.616†	2942.6	2747.8	0.507500	mg/L	0.507500	mg/L	13:00:47
1	Cr 205.557†	5669.0	5172.6	0.507937	mg/L	0.507937	mg/L	13:00:47
1	Cu 327.397†	17876.4	16046.3	0.501373	mg/L	0.501373	mg/L	13:00:27
1	Mn 257.610†	71647.5	64784.3	0.507018	mg/L	0.507018	mg/L	13:00:27
1	Mo 202.031†	4085.5	3619.5	0.505604	mg/L	0.505604	mg/L	13:00:47
1	Ni 231.604†	6479.9	5441.1	0.508760	mg/L	0.508760	mg/L	13:00:47
1	Pb 220.353†	929.4	871.0	0.513471	mg/L	0.513471	mg/L	13:00:47
1	Sb 217.584†	3357.1	3094.6	2.54771	mg/L	2.54771	mg/L	13:00:47
1	Se 196.026†	1295.4	1215.2	2.59228	mg/L	2.59228	mg/L	13:00:47
1	Si 251.611†	28949.2	25992.3	2.51825	mg/L	2.51825	mg/L	13:00:27
1	Sn 189.927†	5086.6	4598.5	2.48485	mg/L	2.48485	mg/L	13:00:47
1	Tl 190.801†	1919.3	1787.6	2.52284	mg/L	2.52284	mg/L	13:00:47
1	V 292.395†	22270.8	21349.5	0.511925	mg/L	0.511925	mg/L	13:00:27
1	Zn 206.200†	4443.0	4104.9	0.507897	mg/L	0.507897	mg/L	13:00:47
2	Y 360.076	160576.3	160576.3	112.086	%			13:00:01
2	Al 396.153†	8553.3	7457.1	2.48321	mg/L	2.48321	mg/L	13:00:01
2	Ba 455.398†	157237.5	140276.7	0.501952	mg/L	0.501952	mg/L	13:00:01
2	Ca 315.887†	7557.4	6610.9	4.95575	mg/L	4.95575	mg/L	13:00:21
2	Fe 238.204†	1246.2	1068.7	0.508598	mg/L	0.508598	mg/L	13:00:21
2	K 766.490	3400.3	3387.1	5.43552	mg/L	5.43552	mg/L	13:00:21
2	Li 670.784†	18975.7	16942.9	0.500287	mg/L	0.500287	mg/L	13:00:01
2	Mg 279.071†	2403.3	2129.1	4.90041	mg/L	4.90041	mg/L	13:00:21
2	Na 589.592†	36592.6	31738.4	4.94749	mg/L	4.94749	mg/L	13:00:01
2	Sr 407.771†	415257.7	369737.5	0.501912	mg/L	0.501912	mg/L	13:00:01
2	Ti 334.940†	7740.0	6910.3	0.494699	mg/L	0.494699	mg/L	13:00:21
2	Sc 357.234	225851.8	225851.8	111.828	%			13:00:52
2	Ag 328.068†	33355.6	29763.3	0.498051	mg/L	0.498051	mg/L	13:00:52
2	As 188.979†	1640.1	1494.9	2.51050	mg/L	2.51050	mg/L	13:01:12
2	B 249.677†	9724.6	7888.6	0.481725	mg/L	0.481725	mg/L	13:00:52
2	Be 234.861†	9302.3	9153.3	0.0497030	mg/L	0.0497030	mg/L	13:01:12
2	Cd 214.437†	12580.1	11036.5	0.499586	mg/L	0.499586	mg/L	13:01:12
2	Ce 413.764†	357.2	-86.1	-0.0026917	mg/L	-0.0026917	mg/L	13:00:52
2	Co 228.616†	2956.0	2720.7	0.502481	mg/L	0.502481	mg/L	13:01:12
2	Cr 205.557†	5671.8	5099.7	0.500755	mg/L	0.500755	mg/L	13:01:12
2	Cu 327.397†	18050.6	15964.5	0.498793	mg/L	0.498793	mg/L	13:00:52
2	Mn 257.610†	72019.5	64164.9	0.502156	mg/L	0.502156	mg/L	13:00:52
2	Mo 202.031†	4107.0	3584.4	0.500684	mg/L	0.500684	mg/L	13:01:12
2	Ni 231.604†	6448.8	5327.1	0.498082	mg/L	0.498082	mg/L	13:01:12
2	Pb 220.353†	928.4	857.8	0.505650	mg/L	0.505650	mg/L	13:01:12
2	Sb 217.584†	3359.7	3052.3	2.51279	mg/L	2.51279	mg/L	13:01:12

2	Se 196.026†	1279.1	1183.5	2.52431 mg/L	2.52431 mg/L	13:01:12
2	Si 251.611†	29123.9	25763.9	2.49606 mg/L	2.49606 mg/L	13:00:52
2	Sn 189.927†	5109.9	4551.8	2.45957 mg/L	2.45957 mg/L	13:01:12
2	Tl 190.801†	1927.2	1769.1	2.49671 mg/L	2.49671 mg/L	13:01:12
2	V 292.395†	22508.5	21266.2	0.509895 mg/L	0.509895 mg/L	13:00:52
2	Zn 206.200†	4446.9	4049.3	0.500991 mg/L	0.500991 mg/L	13:01:12

Mean Data: 0B02016-CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	224198.2	111.009	%	1.1579				1.04%
Y 360.076	160016.2	111.695	%	0.5529				0.50%
Ag 328.068†	29891.7	0.500199	mg/L	0.0030376	0.500199	mg/L	0.0030376	0.61%
QC value within limits for Ag 328.068 Recovery = 100.04%								
Al 396.153†	7459.8	2.48408	mg/L	0.001231	2.48408	mg/L	0.001231	0.05%
QC value within limits for Al 396.153 Recovery = 99.36%								
As 188.979†	1499.6	2.51847	mg/L	0.011266	2.51847	mg/L	0.011266	0.45%
QC value within limits for As 188.979 Recovery = 100.74%								
B 249.677†	7913.7	0.483261	mg/L	0.0021717	0.483261	mg/L	0.0021717	0.45%
QC value within limits for B 249.677 Recovery = 96.65%								
Ba 455.398†	140196.6	0.501664	mg/L	0.0004062	0.501664	mg/L	0.0004062	0.08%
QC value within limits for Ba 455.398 Recovery = 100.33%								
Be 234.861†	9214.4	0.0500375	mg/L	0.00047304	0.0500375	mg/L	0.00047304	0.95%
QC value within limits for Be 234.861 Recovery = 100.07%								
Ca 315.887†	6657.1	4.99048	mg/L	0.049111	4.99048	mg/L	0.049111	0.98%
QC value within limits for Ca 315.887 Recovery = 99.81%								
Cd 214.437†	11103.9	0.502646	mg/L	0.0043279	0.502646	mg/L	0.0043279	0.86%
QC value within limits for Cd 214.437 Recovery = 100.53%								
Ce 413.764†	-83.2	-0.0026035	mg/L	0.00012465	-0.0026035	mg/L	0.00012465	4.79%
Co 228.616†	2734.3	0.504990	mg/L	0.0035491	0.504990	mg/L	0.0035491	0.70%
QC value within limits for Co 228.616 Recovery = 101.00%								
Cr 205.557†	5136.1	0.504346	mg/L	0.0050783	0.504346	mg/L	0.0050783	1.01%
QC value within limits for Cr 205.557 Recovery = 100.87%								
Cu 327.397†	16005.4	0.500083	mg/L	0.0018243	0.500083	mg/L	0.0018243	0.36%
QC value within limits for Cu 327.397 Recovery = 100.02%								
Fe 238.204†	1067.0	0.507777	mg/L	0.0011614	0.507777	mg/L	0.0011614	0.23%
QC value within limits for Fe 238.204 Recovery = 101.56%								
K 766.490	3404.9	5.46415	mg/L	0.040493	5.46415	mg/L	0.040493	0.74%
QC value within limits for K 766.490 Recovery = 109.28%								
Li 670.784†	16928.5	0.499861	mg/L	0.0006027	0.499861	mg/L	0.0006027	0.12%
QC value within limits for Li 670.784 Recovery = 99.97%								
Mg 279.071†	2139.5	4.92439	mg/L	0.033901	4.92439	mg/L	0.033901	0.69%
QC value within limits for Mg 279.071 Recovery = 98.49%								
Mn 257.610†	64474.6	0.504587	mg/L	0.0034376	0.504587	mg/L	0.0034376	0.68%
QC value within limits for Mn 257.610 Recovery = 100.92%								
Mo 202.031†	3602.0	0.503144	mg/L	0.0034792	0.503144	mg/L	0.0034792	0.69%
QC value within limits for Mo 202.031 Recovery = 100.63%								
Na 589.592†	31728.2	4.94589	mg/L	0.002260	4.94589	mg/L	0.002260	0.05%
QC value within limits for Na 589.592 Recovery = 98.92%								
Ni 231.604†	5384.1	0.503421	mg/L	0.0075508	0.503421	mg/L	0.0075508	1.50%
QC value within limits for Ni 231.604 Recovery = 100.68%								
Pb 220.353†	864.4	0.509561	mg/L	0.0055305	0.509561	mg/L	0.0055305	1.09%
QC value within limits for Pb 220.353 Recovery = 101.91%								
Sb 217.584†	3073.4	2.53025	mg/L	0.024692	2.53025	mg/L	0.024692	0.98%
QC value within limits for Sb 217.584 Recovery = 101.21%								
Se 196.026†	1199.3	2.55830	mg/L	0.048065	2.55830	mg/L	0.048065	1.88%
QC value within limits for Se 196.026 Recovery = 102.33%								
Si 251.611†	25878.1	2.50715	mg/L	0.015692	2.50715	mg/L	0.015692	0.63%
QC value within limits for Si 251.611 Recovery = 100.29%								
Sn 189.927†	4575.2	2.47221	mg/L	0.017875	2.47221	mg/L	0.017875	0.72%
QC value within limits for Sn 189.927 Recovery = 98.89%								
Sr 407.771†	369393.2	0.501444	mg/L	0.0006624	0.501444	mg/L	0.0006624	0.13%
QC value within limits for Sr 407.771 Recovery = 100.29%								
Ti 334.940†	6957.2	0.498054	mg/L	0.0047446	0.498054	mg/L	0.0047446	0.95%
QC value within limits for Ti 334.940 Recovery = 99.61%								
Tl 190.801†	1778.3	2.50977	mg/L	0.018477	2.50977	mg/L	0.018477	0.74%
QC value within limits for Tl 190.801 Recovery = 100.39%								
V 292.395†	21307.8	0.510910	mg/L	0.0014354	0.510910	mg/L	0.0014354	0.28%
QC value within limits for V 292.395 Recovery = 102.18%								
Zn 206.200†	4077.1	0.504444	mg/L	0.0048833	0.504444	mg/L	0.0048833	0.97%

QC value within limits for Zn 206.200 Recovery = 100.89%
All analyte(s) passed QC.

Sequence No.: 26 **Autosampler Location:** 1
Sample ID: 0B02016-CCB **Date Collected:** 2/5/2010 1:02:28 PM
Analyst: **Data Type:** Original
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0B02016-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	156148.4	156148.4	108.995	%			13:03:33
1	Al 396.153†	219.1	27.1	-0.0113787	mg/L	-0.0113787	mg/L	13:03:33
1	Ba 455.398†	-12.3	-17.9	-0.0010964	mg/L	-0.0010964	mg/L	13:03:33
1	Ca 315.887†	134.6	-8.1	-0.0191058	mg/L	-0.0191058	mg/L	13:03:53
1	Fe 238.204†	67.6	18.9	0.0084137	mg/L	0.0084137	mg/L	13:03:53
1	K 766.490	-1.7	-14.9	-0.0389266	mg/L	-0.0389266	mg/L	13:03:33
1	Li 670.784†	-27.9	-12.3	-0.0014447	mg/L	-0.0014447	mg/L	13:03:33
1	Mg 279.071†	14.2	-2.0	-0.0260869	mg/L	-0.0260869	mg/L	13:03:53
1	Na 589.592†	735.5	-233.8	-0.0477007	mg/L	-0.0477007	mg/L	13:03:33
1	Sr 407.771†	878.7	61.3	-0.0010190	mg/L	-0.0010190	mg/L	13:03:33
1	Ti 334.940†	-1.5	3.5	0.0003066	mg/L	0.0003066	mg/L	13:03:53
1	Sc 357.234	221108.3	221108.3	109.479	%			13:04:24
1	Ag 328.068†	117.9	43.4	0.0008051	mg/L	0.0008051	mg/L	13:04:24
1	As 188.979†	-31.6	-0.6	-0.0092239	mg/L	-0.0092239	mg/L	13:04:44
1	B 249.677†	551.7	-303.5	-0.0211552	mg/L	-0.0211552	mg/L	13:04:44
1	Be 234.861†	-838.6	68.9	0.0001742	mg/L	0.0001742	mg/L	13:04:44
1	Cd 214.437†	195.5	-34.4	-0.0029630	mg/L	-0.0029630	mg/L	13:04:44
1	Ce 413.764†	357.7	-78.7	-0.0023797	mg/L	-0.0023797	mg/L	13:04:24
1	Co 228.616†	-84.6	0.1	-0.0012094	mg/L	-0.0012094	mg/L	13:04:44
1	Cr 205.557†	-22.4	7.4	-0.0012520	mg/L	-0.0012520	mg/L	13:04:44
1	Cu 327.397†	186.3	-6.7	-0.0045850	mg/L	-0.0045850	mg/L	13:04:24
1	Mn 257.610†	233.6	-23.8	-0.0016329	mg/L	-0.0016329	mg/L	13:04:44
1	Mo 202.031†	87.4	-8.4	-0.0023767	mg/L	-0.0023767	mg/L	13:04:44
1	Ni 231.604†	427.8	-48.8	-0.0056826	mg/L	-0.0056826	mg/L	13:04:44
1	Pb 220.353†	-23.2	6.4	0.0022588	mg/L	0.0022588	mg/L	13:04:44
1	Sb 217.584†	-47.2	4.9	-0.0020334	mg/L	-0.0020334	mg/L	13:04:44
1	Se 196.026†	-37.4	5.4	0.0049489	mg/L	0.0049489	mg/L	13:04:44
1	Si 251.611†	281.5	-22.5	-0.0162482	mg/L	-0.0162482	mg/L	13:04:44
1	Sn 189.927†	25.5	5.6	0.0018238	mg/L	0.0018238	mg/L	13:04:44
1	Tl 190.801†	-48.0	1.9	0.0008750	mg/L	0.0008750	mg/L	13:04:44
1	V 292.395†	-1125.8	110.1	0.0015073	mg/L	0.0015073	mg/L	13:04:24
1	Zn 206.200†	-66.8	11.8	-0.0008550	mg/L	-0.0008550	mg/L	13:04:44
2	Y 360.076	157046.8	157046.8	109.622	%			13:03:58
2	Al 396.153†	213.5	20.9	-0.0134802	mg/L	-0.0134802	mg/L	13:03:58
2	Ba 455.398†	18.7	10.4	-0.0009948	mg/L	-0.0009948	mg/L	13:03:58
2	Ca 315.887†	139.7	-4.2	-0.0161677	mg/L	-0.0161677	mg/L	13:04:18
2	Fe 238.204†	67.3	18.3	0.0081022	mg/L	0.0081022	mg/L	13:04:18
2	K 766.490	-9.6	-22.8	-0.0516755	mg/L	-0.0516755	mg/L	13:03:58
2	Li 670.784†	21.5	32.9	-0.0001064	mg/L	-0.0001064	mg/L	13:03:58
2	Mg 279.071†	9.5	-6.4	-0.0361314	mg/L	-0.0361314	mg/L	13:04:18
2	Na 589.592†	736.2	-237.0	-0.0481979	mg/L	-0.0481979	mg/L	13:03:58
2	Sr 407.771†	826.3	8.8	-0.0010904	mg/L	-0.0010904	mg/L	13:03:58
2	Ti 334.940†	2.4	7.0	0.0005619	mg/L	0.0005619	mg/L	13:04:18
2	Sc 357.234	221151.3	221151.3	109.501	%			13:04:49
2	Ag 328.068†	15.5	-50.2	-0.0007621	mg/L	-0.0007621	mg/L	13:04:49
2	As 188.979†	-25.6	4.9	0.0000787	mg/L	0.0000787	mg/L	13:05:09
2	B 249.677†	538.0	-316.1	-0.0219391	mg/L	-0.0219391	mg/L	13:05:09
2	Be 234.861†	-830.8	76.2	0.0002145	mg/L	0.0002145	mg/L	13:05:09
2	Cd 214.437†	203.0	-27.5	-0.0026494	mg/L	-0.0026494	mg/L	13:05:09
2	Ce 413.764†	342.0	-93.2	-0.0028166	mg/L	-0.0028166	mg/L	13:04:49
2	Co 228.616†	-77.5	6.5	-0.0000114	mg/L	-0.0000114	mg/L	13:05:09
2	Cr 205.557†	-33.8	-3.1	-0.0022844	mg/L	-0.0022844	mg/L	13:05:09
2	Cu 327.397†	181.0	-11.6	-0.0047380	mg/L	-0.0047380	mg/L	13:04:49
2	Mn 257.610†	223.6	-33.0	-0.0017054	mg/L	-0.0017054	mg/L	13:05:09
2	Mo 202.031†	90.7	-5.4	-0.0019571	mg/L	-0.0019571	mg/L	13:05:09
2	Ni 231.604†	431.5	-45.6	-0.0053799	mg/L	-0.0053799	mg/L	13:05:09
2	Pb 220.353†	-27.5	2.5	-0.0000572	mg/L	-0.0000572	mg/L	13:05:09

2	Sb 217.584†	-48.1	4.0	-0.0027391 mg/L	-0.0027391 mg/L	13:05:09
2	Se 196.026†	-45.9	-2.3	-0.0116478 mg/L	-0.0116478 mg/L	13:05:09
2	Si 251.611†	272.3	-31.0	-0.0170877 mg/L	-0.0170877 mg/L	13:05:09
2	Sn 189.927†	26.5	6.5	0.0022948 mg/L	0.0022948 mg/L	13:05:09
2	Tl 190.801†	-39.7	9.5	0.0116215 mg/L	0.0116215 mg/L	13:05:09
2	V 292.395†	-1129.2	107.1	0.0014412 mg/L	0.0014412 mg/L	13:04:49
2	Zn 206.200†	-64.7	13.6	-0.0006226 mg/L	-0.0006226 mg/L	13:05:09

Mean Data: 0B02016-CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 357.234	221129.8	109.490	%	0.0151				0.01%
Y 360.076	156597.6	109.308	%	0.4434				0.41%
Ag 328.068†	-3.4	0.0000215	mg/L	0.00110817	0.0000215	mg/L	0.00110817	>999.9%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	24.0	-0.0124294	mg/L	0.00148598	-0.0124294	mg/L	0.00148598	11.96%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	2.1	-0.0045726	mg/L	0.00657793	-0.0045726	mg/L	0.00657793	143.85%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-309.8	-0.0215472	mg/L	0.00055426	-0.0215472	mg/L	0.00055426	2.57%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	-3.7	-0.0010456	mg/L	0.00007186	-0.0010456	mg/L	0.00007186	6.87%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	72.5	0.0001944	mg/L	0.00002847	0.0001944	mg/L	0.00002847	14.65%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	-6.2	-0.0176367	mg/L	0.00207750	-0.0176367	mg/L	0.00207750	11.78%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	-31.0	-0.0028062	mg/L	0.00022180	-0.0028062	mg/L	0.00022180	7.90%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	-86.0	-0.0025981	mg/L	0.00030890	-0.0025981	mg/L	0.00030890	11.89%
Co 228.616†	3.3	-0.0006104	mg/L	0.00084714	-0.0006104	mg/L	0.00084714	138.78%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	2.2	-0.0017682	mg/L	0.00073008	-0.0017682	mg/L	0.00073008	41.29%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	-9.2	-0.0046615	mg/L	0.00010822	-0.0046615	mg/L	0.00010822	2.32%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	18.6	0.0082580	mg/L	0.00022026	0.0082580	mg/L	0.00022026	2.67%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	-18.8	-0.0453011	mg/L	0.00901482	-0.0453011	mg/L	0.00901482	19.90%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	10.3	-0.0007756	mg/L	0.00094632	-0.0007756	mg/L	0.00094632	122.02%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	-4.2	-0.0311092	mg/L	0.00710249	-0.0311092	mg/L	0.00710249	22.83%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	-28.4	-0.0016691	mg/L	0.00005131	-0.0016691	mg/L	0.00005131	3.07%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-6.9	-0.0021669	mg/L	0.00029666	-0.0021669	mg/L	0.00029666	13.69%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-235.4	-0.0479493	mg/L	0.00035159	-0.0479493	mg/L	0.00035159	0.73%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-47.2	-0.0055312	mg/L	0.00021409	-0.0055312	mg/L	0.00021409	3.87%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	4.5	0.0011008	mg/L	0.00163772	0.0011008	mg/L	0.00163772	148.78%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	4.4	-0.0023862	mg/L	0.00049895	-0.0023862	mg/L	0.00049895	20.91%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	1.5	-0.0033495	mg/L	0.01173566	-0.0033495	mg/L	0.01173566	350.37%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	-26.8	-0.0166680	mg/L	0.00059362	-0.0166680	mg/L	0.00059362	3.56%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	6.1	0.0020593	mg/L	0.00033300	0.0020593	mg/L	0.00033300	16.17%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	35.1	-0.0010547	mg/L	0.00005050	-0.0010547	mg/L	0.00005050	4.79%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	5.3	0.0004343	mg/L	0.00018054	0.0004343	mg/L	0.00018054	41.57%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	5.7	0.0062482	mg/L	0.00759886	0.0062482	mg/L	0.00759886	121.62%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	108.6	0.0014743	mg/L	0.00004676	0.0014743	mg/L	0.00004676	3.17%
QC value within limits for V 292.395 Recovery = Not calculated								

Zn 206.200† 12.7 -0.0007388 mg/L 0.00016435 -0.0007388 mg/L 0.00016435 22.25%
QC value within limits for Zn 206.200 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 27 **Autosampler Location: 27**
Sample ID: 1001350-06 **Date Collected: 2/5/2010 1:06:24 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1001350-06

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	158115.6	158115.6	110.368	%			13:07:34
1	Al 396.153†	87517.7	79122.3	26.8348	mg/L	26.8348	mg/L	13:07:34
1	Ba 455.398†	28160.5	25508.5	0.0904323	mg/L	0.0904323	mg/L	13:07:34
1	Ca 315.887†	1316952.2	1193105.0	896.720	mg/L	896.720	mg/L	13:07:29
1	Fe 238.204†	154385.5	139839.3	66.7001	mg/L	66.7001	mg/L	13:07:29
1	K 766.490	2836.1	2822.9	4.52769	mg/L	4.52769	mg/L	13:07:34
1	Li 670.784†	2105.8	1921.3	0.0557718	mg/L	0.0557718	mg/L	13:07:34
1	Mg 279.071†	136803.7	123937.1	286.482	mg/L	286.482	mg/L	13:07:34
1	Na 589.592†	7656.1	6028.3	0.930664	mg/L	0.930664	mg/L	13:07:34
1	Sr 407.771†	370229.0	334704.4	0.454251	mg/L	0.454251	mg/L	13:07:29
1	Ti 334.940†	29517.0	26749.1	1.91475	mg/L	1.91475	mg/L	13:07:34
1	Sc 357.234	216073.7	216073.7	106.986	%			13:07:51
1	Ag 328.068†	-2979.7	-2849.5	-0.0281394	mg/L	-0.0281394	mg/L	13:08:11
1	As 188.979†	2.9	30.9	0.0304188	mg/L	0.0304188	mg/L	13:08:11
1	B 249.677†	1030.7	156.0	0.0133034	mg/L	0.0133034	mg/L	13:08:11
1	Be 234.861†	3763.3	4352.4	0.0010055	mg/L	0.0010055	mg/L	13:07:51
1	Cd 214.437†	544.4	295.9	-0.0016676	mg/L	-0.0016676	mg/L	13:08:11
1	Ce 413.764†	3853.5	3196.3	0.0959101	mg/L	0.0959101	mg/L	13:07:51
1	Co 228.616†	133.6	202.2	0.0296783	mg/L	0.0296783	mg/L	13:08:11
1	Cr 205.557†	935.6	902.3	0.0910832	mg/L	0.0910832	mg/L	13:08:11
1	Cu 327.397†	2383.2	2050.7	0.0613951	mg/L	0.0613951	mg/L	13:08:11
1	Mn 257.610†	245534.8	229263.7	1.80039	mg/L	1.80039	mg/L	13:07:51
1	Mo 202.031†	210.8	108.9	0.0140365	mg/L	0.0140365	mg/L	13:08:11
1	Ni 231.604†	1137.5	623.6	0.0572747	mg/L	0.0572747	mg/L	13:08:11
1	Pb 220.353†	23.3	49.3	0.0286896	mg/L	0.0286896	mg/L	13:08:11
1	Sb 217.584†	-535.8	-452.9	-0.178995	mg/L	-0.178995	mg/L	13:08:11
1	Se 196.026†	-7.1	32.9	0.142644	mg/L	0.142644	mg/L	13:08:11
1	Si 251.611†	41861.6	38848.3	3.75712	mg/L	3.75712	mg/L	13:07:51
1	Sn 189.927†	-259.3	-260.0	0.0539783	mg/L	0.0539783	mg/L	13:08:11
1	Tl 190.801†	-69.1	-18.9	-0.0095355	mg/L	-0.0095355	mg/L	13:08:11
1	V 292.395†	3638.7	4539.5	0.0936609	mg/L	0.0936609	mg/L	13:08:11
1	Zn 206.200†	1364.3	1347.9	0.153116	mg/L	0.153116	mg/L	13:08:11
2	Y 360.076	158282.3	158282.3	110.484	%			13:07:45
2	Al 396.153†	88391.4	79829.6	27.0722	mg/L	27.0722	mg/L	13:07:45
2	Ba 455.398†	28472.0	25763.5	0.0913469	mg/L	0.0913469	mg/L	13:07:45
2	Ca 315.887†	1313147.8	1188404.9	893.188	mg/L	893.188	mg/L	13:07:40
2	Fe 238.204†	154017.4	139358.8	66.4707	mg/L	66.4707	mg/L	13:07:40
2	K 766.490	2891.7	2878.5	4.61711	mg/L	4.61711	mg/L	13:07:45
2	Li 670.784†	2146.0	1955.6	0.0567886	mg/L	0.0567886	mg/L	13:07:45
2	Mg 279.071†	138427.1	125275.9	289.576	mg/L	289.576	mg/L	13:07:45
2	Na 589.592†	7725.4	6083.7	0.939318	mg/L	0.939318	mg/L	13:07:45
2	Sr 407.771†	368817.7	333073.8	0.452033	mg/L	0.452033	mg/L	13:07:40
2	Ti 334.940†	29889.4	27057.9	1.93686	mg/L	1.93686	mg/L	13:07:45
2	Sc 357.234	216635.9	216635.9	107.265	%			13:08:16
2	Ag 328.068†	-2949.0	-2813.5	-0.0276200	mg/L	-0.0276200	mg/L	13:08:36
2	As 188.979†	8.0	35.7	0.0383813	mg/L	0.0383813	mg/L	13:08:36
2	B 249.677†	1019.2	142.8	0.0124497	mg/L	0.0124497	mg/L	13:08:36
2	Be 234.861†	3789.4	4367.6	0.0011637	mg/L	0.0011637	mg/L	13:08:16
2	Cd 214.437†	557.6	306.9	-0.0011385	mg/L	-0.0011385	mg/L	13:08:36
2	Ce 413.764†	3780.7	3119.2	0.0935697	mg/L	0.0935697	mg/L	13:08:16
2	Co 228.616†	128.9	197.5	0.0287527	mg/L	0.0287527	mg/L	13:08:36
2	Cr 205.557†	939.3	903.6	0.0911928	mg/L	0.0911928	mg/L	13:08:36
2	Cu 327.397†	2390.4	2051.6	0.0614372	mg/L	0.0614372	mg/L	13:08:36
2	Mn 257.610†	246206.1	229293.8	1.80062	mg/L	1.80062	mg/L	13:08:16
2	Mo 202.031†	215.9	113.1	0.0146294	mg/L	0.0146294	mg/L	13:08:36
2	Ni 231.604†	1149.9	632.5	0.0581051	mg/L	0.0581051	mg/L	13:08:36

2	Pb 220.353†	21.4	47.5	0.0276305 mg/L	0.0276305 mg/L	13:08:36
2	Sb 217.584†	-530.0	-446.1	-0.174083 mg/L	-0.174083 mg/L	13:08:36
2	Se 196.026†	1.9	41.4	0.160501 mg/L	0.160501 mg/L	13:08:36
2	Si 251.611†	41660.2	38558.9	3.72814 mg/L	3.72814 mg/L	13:08:16
2	Sn 189.927†	-253.4	-253.8	0.0565242 mg/L	0.0565242 mg/L	13:08:36
2	Tl 190.801†	-77.2	-26.2	-0.0196465 mg/L	-0.0196465 mg/L	13:08:36
2	V 292.395†	3647.7	4539.0	0.0936846 mg/L	0.0936846 mg/L	13:08:36
2	Zn 206.200†	1380.9	1360.2	0.154562 mg/L	0.154562 mg/L	13:08:36

Mean Data: 1001350-06

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	216354.8	107.126	%	0.1969				0.18%
Y 360.076	158199.0	110.426	%	0.0823				0.07%
Ag 328.068†	-2831.5	-0.0278797	mg/L	0.00036724	-0.0278797	mg/L	0.00036724	1.32%
Al 396.153†	79476.0	26.9535	mg/L	0.16787	26.9535	mg/L	0.16787	0.62%
As 188.979†	33.3	0.0344001	mg/L	0.00563031	0.0344001	mg/L	0.00563031	16.37%
B 249.677†	149.4	0.0128766	mg/L	0.00060367	0.0128766	mg/L	0.00060367	4.69%
Ba 455.398†	25636.0	0.0908896	mg/L	0.00064673	0.0908896	mg/L	0.00064673	0.71%
Be 234.861†	4360.0	0.0010846	mg/L	0.00011189	0.0010846	mg/L	0.00011189	10.32%
Ca 315.887†	1190754.9	894.954	mg/L	2.4979	894.954	mg/L	2.4979	0.28%
Cd 214.437†	301.4	-0.0014031	mg/L	0.00037414	-0.0014031	mg/L	0.00037414	26.67%
Ce 413.764†	3157.8	0.0947399	mg/L	0.00165490	0.0947399	mg/L	0.00165490	1.75%
Co 228.616†	199.8	0.0292155	mg/L	0.00065453	0.0292155	mg/L	0.00065453	2.24%
Cr 205.557†	902.9	0.0911380	mg/L	0.00007751	0.0911380	mg/L	0.00007751	0.09%
Cu 327.397†	2051.1	0.0614161	mg/L	0.00002981	0.0614161	mg/L	0.00002981	0.05%
Fe 238.204†	139599.1	66.5854	mg/L	0.16221	66.5854	mg/L	0.16221	0.24%
K 766.490	2850.7	4.57240	mg/L	0.063231	4.57240	mg/L	0.063231	1.38%
Li 670.784†	1938.4	0.0562802	mg/L	0.00071897	0.0562802	mg/L	0.00071897	1.28%
Mg 279.071†	124606.5	288.029	mg/L	2.1884	288.029	mg/L	2.1884	0.76%
Mn 257.610†	229278.8	1.80050	mg/L	0.000161	1.80050	mg/L	0.000161	0.01%
Mo 202.031†	111.0	0.0143330	mg/L	0.00041928	0.0143330	mg/L	0.00041928	2.93%
Na 589.592†	6056.0	0.934991	mg/L	0.0061192	0.934991	mg/L	0.0061192	0.65%
Ni 231.604†	628.0	0.0576899	mg/L	0.00058718	0.0576899	mg/L	0.00058718	1.02%
Pb 220.353†	48.4	0.0281601	mg/L	0.00074890	0.0281601	mg/L	0.00074890	2.66%
Sb 217.584†	-449.5	-0.176539	mg/L	0.0034730	-0.176539	mg/L	0.0034730	1.97%
Se 196.026†	37.2	0.151573	mg/L	0.0126265	0.151573	mg/L	0.0126265	8.33%
Si 251.611†	38703.6	3.74263	mg/L	0.020487	3.74263	mg/L	0.020487	0.55%
Sn 189.927†	-256.9	0.0552512	mg/L	0.00180017	0.0552512	mg/L	0.00180017	3.26%
Sr 407.771†	333889.1	0.453142	mg/L	0.0015687	0.453142	mg/L	0.0015687	0.35%
Ti 334.940†	26903.5	1.92580	mg/L	0.015633	1.92580	mg/L	0.015633	0.81%
Tl 190.801†	-22.5	-0.0145910	mg/L	0.00714952	-0.0145910	mg/L	0.00714952	49.00%
V 292.395†	4539.2	0.0936727	mg/L	0.00001675	0.0936727	mg/L	0.00001675	0.02%
Zn 206.200†	1354.0	0.153839	mg/L	0.0010227	0.153839	mg/L	0.0010227	0.66%

Sequence No.: 28
Sample ID: 1001350-07
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 28
Date Collected: 2/5/2010 1:11:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001350-07

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Y 360.076	164618.7	164618.7	114.907	%			13:12:39
1	Al 396.153†	102053.7	88640.0	29.8906	mg/L	29.8906	mg/L	13:12:39
1	Ba 455.398†	97931.1	85219.6	0.304536	mg/L	0.304536	mg/L	13:12:34
1	Ca 315.887†	359837.6	313022.9	235.254	mg/L	235.254	mg/L	13:12:34
1	Fe 238.204†	216526.6	188392.7	89.8760	mg/L	89.8760	mg/L	13:12:34
1	K 766.490	2195.1	2181.9	3.49617	mg/L	3.49617	mg/L	13:12:39
1	Li 670.784†	1645.3	1445.2	0.0416835	mg/L	0.0416835	mg/L	13:12:39
1	Mg 279.071†	35574.7	30944.4	71.5122	mg/L	71.5122	mg/L	13:12:39
1	Na 589.592†	4088.9	2649.9	0.402827	mg/L	0.402827	mg/L	13:12:39
1	Sr 407.771†	170301.1	147462.4	0.199515	mg/L	0.199515	mg/L	13:12:34
1	Ti 334.940†	29182.0	25401.0	1.81826	mg/L	1.81826	mg/L	13:12:39
1	Sc 357.234	226152.2	226152.2	111.977	%			13:12:56
1	Ag 328.068†	-3747.0	-3410.5	-0.0418971	mg/L	-0.0418971	mg/L	13:13:16
1	As 188.979†	23.2	49.0	0.0614212	mg/L	0.0614212	mg/L	13:13:16

1	B 249.677†	606.2	-266.1	-0.0100211 mg/L	-0.0100211 mg/L	13:12:56
1	Be 234.861†	5768.7	5986.6	0.0021390 mg/L	0.0021390 mg/L	13:12:56
1	Cd 214.437†	615.2	336.4	-0.0043263 mg/L	-0.0043263 mg/L	13:13:16
1	Ce 413.764†	5169.2	4210.8	0.126614 mg/L	0.126614 mg/L	13:12:56
1	Co 228.616†	153.5	214.4	0.0313333 mg/L	0.0313333 mg/L	13:13:16
1	Cr 205.557†	769.0	714.6	0.0739867 mg/L	0.0739867 mg/L	13:13:16
1	Cu 327.397†	2911.6	2423.3	0.0730841 mg/L	0.0730841 mg/L	13:13:16
1	Mn 257.610†	479195.2	427704.6	3.35868 mg/L	3.35868 mg/L	13:12:56
1	Mo 202.031†	199.2	89.7	0.0113517 mg/L	0.0113517 mg/L	13:13:16
1	Ni 231.604†	1303.1	724.1	0.0666764 mg/L	0.0666764 mg/L	13:13:16
1	Pb 220.353†	173.1	182.2	0.107239 mg/L	0.107239 mg/L	13:13:16
1	Sb 217.584†	-557.6	-450.0	-0.107028 mg/L	-0.107028 mg/L	13:13:16
1	Se 196.026†	-0.1	39.6	0.184199 mg/L	0.184199 mg/L	13:13:16
1	Si 251.611†	44964.6	39875.7	3.86618 mg/L	3.86618 mg/L	13:12:56
1	Sn 189.927†	-146.7	-148.6	-0.0302110 mg/L	-0.0302110 mg/L	13:13:16
1	Tl 190.801†	-85.0	-30.2	-0.0261043 mg/L	-0.0261043 mg/L	13:13:16
1	V 292.395†	5415.2	5974.4	0.123612 mg/L	0.123612 mg/L	13:13:16
1	Zn 206.200†	2183.6	2022.8	0.241373 mg/L	0.241373 mg/L	13:13:16
2	Y 360.076	163285.3	163285.3	113.977 %		13:12:49
2	Al 396.153†	101595.7	88963.4	30.0000 mg/L	30.0000 mg/L	13:12:49
2	Ba 455.398†	97840.8	85836.2	0.306747 mg/L	0.306747 mg/L	13:12:44
2	Ca 315.887†	359907.1	315641.2	237.222 mg/L	237.222 mg/L	13:12:44
2	Fe 238.204†	216660.4	190048.9	90.6661 mg/L	90.6661 mg/L	13:12:44
2	K 766.490	2190.7	2177.5	3.48911 mg/L	3.48911 mg/L	13:12:49
2	Li 670.784†	1627.7	1441.4	0.0415717 mg/L	0.0415717 mg/L	13:12:49
2	Mg 279.071†	35490.1	31123.0	71.9251 mg/L	71.9251 mg/L	13:12:49
2	Na 589.592†	4036.8	2633.2	0.400229 mg/L	0.400229 mg/L	13:12:49
2	Sr 407.771†	170183.1	148569.2	0.201021 mg/L	0.201021 mg/L	13:12:44
2	Ti 334.940†	29086.8	25524.8	1.82712 mg/L	1.82712 mg/L	13:12:49
2	Sc 357.234	226136.1	226136.1	111.969 %		13:13:21
2	Ag 328.068†	-3751.5	-3414.8	-0.0418547 mg/L	-0.0418547 mg/L	13:13:41
2	As 188.979†	18.0	44.3	0.0535034 mg/L	0.0535034 mg/L	13:13:41
2	B 249.677†	593.4	-277.5	-0.0106362 mg/L	-0.0106362 mg/L	13:13:21
2	Be 234.861†	5740.9	5962.2	0.0017386 mg/L	0.0017386 mg/L	13:13:21
2	Cd 214.437†	611.6	333.3	-0.0046205 mg/L	-0.0046205 mg/L	13:13:41
2	Ce 413.764†	5082.2	4133.4	0.124273 mg/L	0.124273 mg/L	13:13:21
2	Co 228.616†	147.5	209.1	0.0302938 mg/L	0.0302938 mg/L	13:13:41
2	Cr 205.557†	770.7	716.1	0.0741884 mg/L	0.0741884 mg/L	13:13:41
2	Cu 327.397†	2881.8	2396.8	0.0722548 mg/L	0.0722548 mg/L	13:13:41
2	Mn 257.610†	478100.8	426757.7	3.35128 mg/L	3.35128 mg/L	13:13:21
2	Mo 202.031†	201.1	91.4	0.0115965 mg/L	0.0115965 mg/L	13:13:41
2	Ni 231.604†	1310.3	730.6	0.0672881 mg/L	0.0672881 mg/L	13:13:41
2	Pb 220.353†	164.4	174.4	0.102680 mg/L	0.102680 mg/L	13:13:41
2	Sb 217.584†	-567.6	-459.0	-0.112052 mg/L	-0.112052 mg/L	13:13:41
2	Se 196.026†	-11.6	29.3	0.163154 mg/L	0.163154 mg/L	13:13:41
2	Si 251.611†	44665.2	39611.1	3.84025 mg/L	3.84025 mg/L	13:13:21
2	Sn 189.927†	-156.7	-157.6	-0.0346254 mg/L	-0.0346254 mg/L	13:13:41
2	Tl 190.801†	-84.0	-29.3	-0.0247438 mg/L	-0.0247438 mg/L	13:13:41
2	V 292.395†	5409.6	5969.7	0.123353 mg/L	0.123353 mg/L	13:13:41
2	Zn 206.200†	2178.3	2018.2	0.240739 mg/L	0.240739 mg/L	13:13:41

Mean Data: 1001350-07

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	226144.2	111.973	%	0.0056				0.01%
Y 360.076	163952.0	114.442	%	0.6582				0.58%
Ag 328.068†	-3412.7	-0.0418759	mg/L	0.00002993	-0.0418759	mg/L	0.00002993	0.07%
Al 396.153†	88801.7	29.9453	mg/L	0.07734	29.9453	mg/L	0.07734	0.26%
As 188.979†	46.6	0.0574623	mg/L	0.00559870	0.0574623	mg/L	0.00559870	9.74%
B 249.677†	-271.8	-0.0103287	mg/L	0.00043496	-0.0103287	mg/L	0.00043496	4.21%
Ba 455.398†	85527.9	0.305641	mg/L	0.0015636	0.305641	mg/L	0.0015636	0.51%
Be 234.861†	5974.4	0.0019388	mg/L	0.00028306	0.0019388	mg/L	0.00028306	14.60%
Ca 315.887†	314332.0	236.238	mg/L	1.3915	236.238	mg/L	1.3915	0.59%
Cd 214.437†	334.9	-0.0044734	mg/L	0.00020801	-0.0044734	mg/L	0.00020801	4.65%
Ce 413.764†	4172.1	0.125443	mg/L	0.0016558	0.125443	mg/L	0.0016558	1.32%
Co 228.616†	211.7	0.0308135	mg/L	0.00073498	0.0308135	mg/L	0.00073498	2.39%
Cr 205.557†	715.4	0.0740876	mg/L	0.00014258	0.0740876	mg/L	0.00014258	0.19%
Cu 327.397†	2410.1	0.0726694	mg/L	0.00058641	0.0726694	mg/L	0.00058641	0.81%
Fe 238.204†	189220.8	90.2710	mg/L	0.55872	90.2710	mg/L	0.55872	0.62%
K 766.490	2179.7	3.49264	mg/L	0.004996	3.49264	mg/L	0.004996	0.14%

Li 670.784†	1443.3	0.0416276 mg/L	0.00007905	0.0416276 mg/L	0.00007905	0.19%
Mg 279.071†	31033.7	71.7186 mg/L	0.29195	71.7186 mg/L	0.29195	0.41%
Mn 257.610†	427231.2	3.35498 mg/L	0.005234	3.35498 mg/L	0.005234	0.16%
Mo 202.031†	90.6	0.0114741 mg/L	0.00017305	0.0114741 mg/L	0.00017305	1.51%
Na 589.592†	2641.5	0.401528 mg/L	0.0018374	0.401528 mg/L	0.0018374	0.46%
Ni 231.604†	727.4	0.0669822 mg/L	0.00043249	0.0669822 mg/L	0.00043249	0.65%
Pb 220.353†	178.3	0.104959 mg/L	0.0032235	0.104959 mg/L	0.0032235	3.07%
Sb 217.584†	-454.5	-0.109540 mg/L	0.0035531	-0.109540 mg/L	0.0035531	3.24%
Se 196.026†	34.4	0.173676 mg/L	0.0148810	0.173676 mg/L	0.0148810	8.57%
Si 251.611†	39743.4	3.85322 mg/L	0.018338	3.85322 mg/L	0.018338	0.48%
Sn 189.927†	-153.1	-0.0324182 mg/L	0.00312143	-0.0324182 mg/L	0.00312143	9.63%
Sr 407.771†	148015.8	0.200268 mg/L	0.0010647	0.200268 mg/L	0.0010647	0.53%
Ti 334.940†	25462.9	1.82269 mg/L	0.006267	1.82269 mg/L	0.006267	0.34%
Tl 190.801†	-29.7	-0.0254240 mg/L	0.00096203	-0.0254240 mg/L	0.00096203	3.78%
V 292.395†	5972.0	0.123483 mg/L	0.0001828	0.123483 mg/L	0.0001828	0.15%
Zn 206.200†	2020.5	0.241056 mg/L	0.0004483	0.241056 mg/L	0.0004483	0.19%

Sequence No.: 29 **Autosampler Location: 29**
Sample ID: 1001350-08 **Date Collected: 2/5/2010 1:16:37 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1001350-08

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	166044.4	166044.4	115.903	%			13:17:42
1	Al 396.153†	121486.0	104643.5	35.2295	mg/L	35.2295	mg/L	13:17:42
1	Ba 455.398†	54454.2	46976.2	0.167408	mg/L	0.167408	mg/L	13:17:42
1	Ca 315.887†	7551.5	6383.8	4.78501	mg/L	4.78501	mg/L	13:17:47
1	Fe 238.204†	144203.7	124375.0	59.3375	mg/L	59.3375	mg/L	13:17:42
1	K 766.490	1143.6	1130.4	1.80407	mg/L	1.80407	mg/L	13:17:47
1	Li 670.784†	1256.2	1097.1	0.0313836	mg/L	0.0313836	mg/L	13:17:47
1	Mg 279.071†	5367.7	4616.1	10.6497	mg/L	10.6497	mg/L	13:17:47
1	Na 589.592†	1913.1	742.1	0.104764	mg/L	0.104764	mg/L	13:17:47
1	Sr 407.771†	44169.7	37364.4	0.0497305	mg/L	0.0497305	mg/L	13:17:47
1	Ti 334.940†	23722.9	20472.8	1.46550	mg/L	1.46550	mg/L	13:17:47
1	Sc 357.234	235267.5	235267.5	116.490	%			13:18:04
1	Ag 328.068†	-2321.0	-2056.7	-0.0260269	mg/L	-0.0260269	mg/L	13:18:04
1	As 188.979†	-5.7	23.3	0.0206683	mg/L	0.0206683	mg/L	13:18:24
1	B 249.677†	436.8	-432.5	-0.0234346	mg/L	-0.0234346	mg/L	13:18:04
1	Be 234.861†	3718.2	4026.7	0.0016435	mg/L	0.0016435	mg/L	13:18:04
1	Cd 214.437†	498.6	215.1	-0.0047058	mg/L	-0.0047058	mg/L	13:18:24
1	Ce 413.764†	4207.9	3206.8	0.0963917	mg/L	0.0963917	mg/L	13:18:04
1	Co 228.616†	83.5	149.0	0.0210613	mg/L	0.0210613	mg/L	13:18:24
1	Cr 205.557†	706.6	634.4	0.0642125	mg/L	0.0642125	mg/L	13:18:24
1	Cu 327.397†	649.7	380.8	0.0085272	mg/L	0.0085272	mg/L	13:18:04
1	Mn 257.610†	187422.3	160654.0	1.26164	mg/L	1.26164	mg/L	13:18:04
1	Mo 202.031†	94.4	-7.1	-0.0021985	mg/L	-0.0021985	mg/L	13:18:24
1	Ni 231.604†	1090.8	496.8	0.0453764	mg/L	0.0453764	mg/L	13:18:24
1	Pb 220.353†	26.4	50.3	0.0290892	mg/L	0.0290892	mg/L	13:18:24
1	Sb 217.584†	-372.2	-271.6	-0.0517413	mg/L	-0.0517413	mg/L	13:18:24
1	Se 196.026†	-10.2	30.8	0.129481	mg/L	0.129481	mg/L	13:18:24
1	Si 251.611†	44120.7	37595.4	3.64431	mg/L	3.64431	mg/L	13:18:04
1	Sn 189.927†	-2.4	-19.7	-0.0108428	mg/L	-0.0108428	mg/L	13:18:24
1	Tl 190.801†	-73.4	-17.2	-0.0114414	mg/L	-0.0114414	mg/L	13:18:24
1	V 292.395†	3343.4	4008.5	0.0824902	mg/L	0.0824902	mg/L	13:18:24
1	Zn 206.200†	1081.1	1000.8	0.117546	mg/L	0.117546	mg/L	13:18:24
2	Y 360.076	166474.5	166474.5	116.203	%			13:17:52
2	Al 396.153†	122326.3	105095.8	35.3819	mg/L	35.3819	mg/L	13:17:52
2	Ba 455.398†	54921.8	47257.1	0.168416	mg/L	0.168416	mg/L	13:17:52
2	Ca 315.887†	7585.7	6396.4	4.79448	mg/L	4.79448	mg/L	13:17:57
2	Fe 238.204†	145608.9	125262.8	59.7610	mg/L	59.7610	mg/L	13:17:52
2	K 766.490	1160.6	1147.4	1.83141	mg/L	1.83141	mg/L	13:17:57
2	Li 670.784†	1180.9	1029.5	0.0293846	mg/L	0.0293846	mg/L	13:17:57
2	Mg 279.071†	5348.4	4587.6	10.5837	mg/L	10.5837	mg/L	13:17:57
2	Na 589.592†	1932.1	754.1	0.106649	mg/L	0.106649	mg/L	13:17:57
2	Sr 407.771†	44135.4	37236.5	0.0495565	mg/L	0.0495565	mg/L	13:17:57
2	Ti 334.940†	23833.2	20514.9	1.46851	mg/L	1.46851	mg/L	13:17:57

2	Sc 357.234	234336.4	234336.4	116.029 %		13:18:29
2	Ag 328.068†	-2301.4	-2047.8	-0.0258213 mg/L	-0.0258213 mg/L	13:18:29
2	As 188.979†	-5.6	23.4	0.0208304 mg/L	0.0208304 mg/L	13:18:49
2	B 249.677†	480.4	-393.4	-0.0209858 mg/L	-0.0209858 mg/L	13:18:29
2	Be 234.861†	3755.4	4071.5	0.0017450 mg/L	0.0017450 mg/L	13:18:29
2	Cd 214.437†	491.0	210.2	-0.0050143 mg/L	-0.0050143 mg/L	13:18:49
2	Ce 413.764†	4201.3	3215.4	0.0966509 mg/L	0.0966509 mg/L	13:18:29
2	Co 228.616†	87.6	152.8	0.0217533 mg/L	0.0217533 mg/L	13:18:49
2	Cr 205.557†	718.4	647.0	0.0654830 mg/L	0.0654830 mg/L	13:18:49
2	Cu 327.397†	668.3	399.1	0.0091061 mg/L	0.0091061 mg/L	13:18:29
2	Mn 257.610†	188139.1	161911.2	1.27152 mg/L	1.27152 mg/L	13:18:29
2	Mo 202.031†	92.1	-8.8	-0.0024367 mg/L	-0.0024367 mg/L	13:18:49
2	Ni 231.604†	1077.0	488.6	0.0446080 mg/L	0.0446080 mg/L	13:18:49
2	Pb 220.353†	21.5	46.1	0.0266093 mg/L	0.0266093 mg/L	13:18:49
2	Sb 217.584†	-378.5	-278.3	-0.0560160 mg/L	-0.0560160 mg/L	13:18:49
2	Se 196.026†	-11.1	30.0	0.128232 mg/L	0.128232 mg/L	13:18:49
2	Si 251.611†	44088.9	37718.5	3.65639 mg/L	3.65639 mg/L	13:18:29
2	Sn 189.927†	5.6	-12.8	-0.0070942 mg/L	-0.0070942 mg/L	13:18:49
2	Tl 190.801†	-71.9	-16.2	-0.0100024 mg/L	-0.0100024 mg/L	13:18:49
2	V 292.395†	3330.9	4009.1	0.0824233 mg/L	0.0824233 mg/L	13:18:49
2	Zn 206.200†	1082.6	1005.8	0.118138 mg/L	0.118138 mg/L	13:18:49

Mean Data: 1001350-08

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	234801.9	116.260	%	0.3260				0.28%
Y 360.076	166259.4	116.053	%	0.2123				0.18%
Ag 328.068†	-2052.3	-0.0259241	mg/L	0.00014537	-0.0259241	mg/L	0.00014537	0.56%
Al 396.153†	104869.7	35.3057	mg/L	0.10774	35.3057	mg/L	0.10774	0.31%
As 188.979†	23.4	0.0207493	mg/L	0.00011463	0.0207493	mg/L	0.00011463	0.55%
B 249.677†	-412.9	-0.0222102	mg/L	0.00173153	-0.0222102	mg/L	0.00173153	7.80%
Ba 455.398†	47116.7	0.167912	mg/L	0.0007124	0.167912	mg/L	0.0007124	0.42%
Be 234.861†	4049.1	0.0016942	mg/L	0.00007180	0.0016942	mg/L	0.00007180	4.24%
Ca 315.887†	6390.1	4.78974	mg/L	0.006695	4.78974	mg/L	0.006695	0.14%
Cd 214.437†	212.6	-0.0048601	mg/L	0.00021815	-0.0048601	mg/L	0.00021815	4.49%
Ce 413.764†	3211.1	0.0965213	mg/L	0.00018328	0.0965213	mg/L	0.00018328	0.19%
Co 228.616†	150.9	0.0214073	mg/L	0.00048930	0.0214073	mg/L	0.00048930	2.29%
Cr 205.557†	640.7	0.0648477	mg/L	0.00089843	0.0648477	mg/L	0.00089843	1.39%
Cu 327.397†	390.0	0.0088166	mg/L	0.00040935	0.0088166	mg/L	0.00040935	4.64%
Fe 238.204†	124818.9	59.5492	mg/L	0.29950	59.5492	mg/L	0.29950	0.50%
K 766.490	1138.9	1.81774	mg/L	0.019330	1.81774	mg/L	0.019330	1.06%
Li 670.784†	1063.3	0.0303841	mg/L	0.00141351	0.0303841	mg/L	0.00141351	4.65%
Mg 279.071†	4601.9	10.6167	mg/L	0.04668	10.6167	mg/L	0.04668	0.44%
Mn 257.610†	161282.6	1.26658	mg/L	0.006988	1.26658	mg/L	0.006988	0.55%
Mo 202.031†	-7.9	-0.0023176	mg/L	0.00016846	-0.0023176	mg/L	0.00016846	7.27%
Na 589.592†	748.1	0.105706	mg/L	0.0013330	0.105706	mg/L	0.0013330	1.26%
Ni 231.604†	492.7	0.0449922	mg/L	0.00054334	0.0449922	mg/L	0.00054334	1.21%
Pb 220.353†	48.2	0.0278492	mg/L	0.00175357	0.0278492	mg/L	0.00175357	6.30%
Sb 217.584†	-274.9	-0.0538787	mg/L	0.00302271	-0.0538787	mg/L	0.00302271	5.61%
Se 196.026†	30.4	0.128856	mg/L	0.0008832	0.128856	mg/L	0.0008832	0.69%
Si 251.611†	37657.0	3.65035	mg/L	0.008544	3.65035	mg/L	0.008544	0.23%
Sn 189.927†	-16.3	-0.0089685	mg/L	0.00265064	-0.0089685	mg/L	0.00265064	29.56%
Sr 407.771†	37300.4	0.0496435	mg/L	0.00012305	0.0496435	mg/L	0.00012305	0.25%
Ti 334.940†	20493.9	1.46700	mg/L	0.002127	1.46700	mg/L	0.002127	0.14%
Tl 190.801†	-16.7	-0.0107219	mg/L	0.00101756	-0.0107219	mg/L	0.00101756	9.49%
V 292.395†	4008.8	0.0824567	mg/L	0.00004726	0.0824567	mg/L	0.00004726	0.06%
Zn 206.200†	1003.3	0.117842	mg/L	0.0004183	0.117842	mg/L	0.0004183	0.35%

==========

Sequence No.: 30
Sample ID: 1001350-09
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 30
Date Collected: 2/5/2010 1:21:42 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001350-09

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	160860.9	160860.9	112.284	%			13:22:52

1	Al 396.153†	112468.7	99990.3	33.7799	mg/L	33.7799 mg/L	13:22:47
1	Ba 455.398†	77240.6	68783.5	0.245602	mg/L	0.245602 mg/L	13:22:52
1	Ca 315.887†	783424.7	697583.3	524.288	mg/L	524.288 mg/L	13:22:47
1	Fe 238.204†	493480.1	439448.4	209.645	mg/L	209.645 mg/L	13:22:47
1	K 766.490	3048.4	3035.2	4.86925	mg/L	4.86925 mg/L	13:22:52
1	Li 670.784†	2232.7	2001.8	0.0581540	mg/L	0.0581540 mg/L	13:22:52
1	Mg 279.071†	105721.0	94139.6	217.599	mg/L	217.599 mg/L	13:22:52
1	Na 589.592†	7183.7	5489.2	0.846433	mg/L	0.846433 mg/L	13:22:52
1	Sr 407.771†	255431.1	226741.0	0.307371	mg/L	0.307371 mg/L	13:22:47
1	Ti 334.940†	27204.2	24232.8	1.73464	mg/L	1.73464 mg/L	13:22:52
1	Sc 357.234	217973.9	217973.9	107.927	%		13:23:09
1	Ag 328.068†	-8745.2	-8167.2	-0.102426	mg/L	-0.102426 mg/L	13:23:29
1	As 188.979†	65.4	88.8	0.129150	mg/L	0.129150 mg/L	13:23:29
1	B 249.677†	593.2	-257.8	0.0040266	mg/L	0.0040266 mg/L	13:23:09
1	Be 234.861†	13575.1	13412.9	0.0024869	mg/L	0.0024869 mg/L	13:23:09
1	Cd 214.437†	1097.6	804.0	-0.0053299	mg/L	-0.0053299 mg/L	13:23:29
1	Ce 413.764†	5685.7	4862.6	0.146353	mg/L	0.146353 mg/L	13:23:09
1	Co 228.616†	250.5	309.4	0.0449337	mg/L	0.0449337 mg/L	13:23:29
1	Cr 205.557†	727.4	701.8	0.0800840	mg/L	0.0800840 mg/L	13:23:29
1	Cu 327.397†	3392.8	2966.7	0.0901530	mg/L	0.0901530 mg/L	13:23:29
1	Mn 257.610†	967753.1	896433.7	7.04190	mg/L	7.04190 mg/L	13:23:09
1	Mo 202.031†	177.9	76.7	0.0095321	mg/L	0.0095321 mg/L	13:23:29
1	Ni 231.604†	1505.2	955.1	0.0882801	mg/L	0.0882801 mg/L	13:23:29
1	Pb 220.353†	250.2	259.4	0.152903	mg/L	0.152903 mg/L	13:23:29
1	Sb 217.584†	-1216.9	-1079.6	-0.266242	mg/L	-0.266242 mg/L	13:23:29
1	Se 196.026†	30.5	67.9	0.385903	mg/L	0.385903 mg/L	13:23:29
1	Si 251.611†	48385.8	44552.2	4.35700	mg/L	4.35700 mg/L	13:23:09
1	Sn 189.927†	-204.1	-206.8	0.0014649	mg/L	0.0014649 mg/L	13:23:29
1	Tl 190.801†	-89.9	-37.5	-0.0371814	mg/L	-0.0371814 mg/L	13:23:29
1	V 292.395†	6679.3	7327.0	0.133930	mg/L	0.133930 mg/L	13:23:29
1	Zn 206.200†	2501.1	2390.2	0.276244	mg/L	0.276244 mg/L	13:23:29
2	Y 360.076	159892.5	159892.5	111.608	%		13:23:02
2	Al 396.153†	112434.1	100566.0	33.9748	mg/L	33.9748 mg/L	13:22:57
2	Ba 455.398†	76748.5	68759.3	0.245515	mg/L	0.245515 mg/L	13:23:02
2	Ca 315.887†	785523.9	703689.9	528.878	mg/L	528.878 mg/L	13:22:57
2	Fe 238.204†	494754.5	443251.9	211.459	mg/L	211.459 mg/L	13:22:57
2	K 766.490	3076.6	3063.5	4.91474	mg/L	4.91474 mg/L	13:23:02
2	Li 670.784†	2244.8	2024.7	0.0588314	mg/L	0.0588314 mg/L	13:23:02
2	Mg 279.071†	105438.4	94456.6	218.332	mg/L	218.332 mg/L	13:23:02
2	Na 589.592†	7115.0	5466.4	0.842868	mg/L	0.842868 mg/L	13:23:02
2	Sr 407.771†	255363.6	228058.3	0.309163	mg/L	0.309163 mg/L	13:22:57
2	Ti 334.940†	27119.0	24303.2	1.73968	mg/L	1.73968 mg/L	13:23:02
2	Sc 357.234	216276.9	216276.9	107.087	%		13:23:34
2	Ag 328.068†	-8759.1	-8243.7	-0.103406	mg/L	-0.103406 mg/L	13:23:54
2	As 188.979†	74.1	97.5	0.143701	mg/L	0.143701 mg/L	13:23:54
2	B 249.677†	657.6	-193.4	0.0081840	mg/L	0.0081840 mg/L	13:23:34
2	Be 234.861†	13460.6	13404.7	0.0018307	mg/L	0.0018307 mg/L	13:23:34
2	Cd 214.437†	1076.8	792.5	-0.0061978	mg/L	-0.0061978 mg/L	13:23:54
2	Ce 413.764†	5720.7	4936.6	0.148586	mg/L	0.148586 mg/L	13:23:34
2	Co 228.616†	260.2	320.3	0.0468851	mg/L	0.0468851 mg/L	13:23:54
2	Cr 205.557†	712.1	692.8	0.0793068	mg/L	0.0793068 mg/L	13:23:54
2	Cu 327.397†	3382.1	2981.4	0.0906190	mg/L	0.0906190 mg/L	13:23:54
2	Mn 257.610†	961638.1	897759.1	7.05237	mg/L	7.05237 mg/L	13:23:34
2	Mo 202.031†	193.9	92.9	0.0118045	mg/L	0.0118045 mg/L	13:23:54
2	Ni 231.604†	1516.4	976.5	0.0902856	mg/L	0.0902856 mg/L	13:23:54
2	Pb 220.353†	253.6	264.4	0.155817	mg/L	0.155817 mg/L	13:23:54
2	Sb 217.584†	-1214.4	-1086.1	-0.266189	mg/L	-0.266189 mg/L	13:23:54
2	Se 196.026†	50.5	86.8	0.428433	mg/L	0.428433 mg/L	13:23:54
2	Si 251.611†	48304.7	44828.2	4.38436	mg/L	4.38436 mg/L	13:23:34
2	Sn 189.927†	-210.2	-214.0	-0.0014355	mg/L	-0.0014355 mg/L	13:23:54
2	Tl 190.801†	-91.7	-39.9	-0.0404921	mg/L	-0.0404921 mg/L	13:23:54
2	V 292.395†	6633.6	7332.9	0.133759	mg/L	0.133759 mg/L	13:23:54
2	Zn 206.200†	2518.1	2424.2	0.280355	mg/L	0.280355 mg/L	13:23:54

Mean Data: 1001350-09

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	217125.4	107.507	%	0.5941				0.55%
Y 360.076	160376.7	111.946	%	0.4780				0.43%
Ag 328.068†	-8205.5	-0.102916	mg/L	0.0006932	-0.102916	mg/L	0.0006932	0.67%

Al 396.153†	100278.1	33.8774	mg/L	0.13782	33.8774	mg/L	0.13782	0.41%
As 188.979†	93.2	0.136425	mg/L	0.0102890	0.136425	mg/L	0.0102890	7.54%
B 249.677†	-225.6	0.0061053	mg/L	0.00293975	0.0061053	mg/L	0.00293975	48.15%
Ba 455.398†	68771.4	0.245558	mg/L	0.0000615	0.245558	mg/L	0.0000615	0.03%
Be 234.861†	13408.8	0.0021588	mg/L	0.00046403	0.0021588	mg/L	0.00046403	21.49%
Ca 315.887†	700636.6	526.583	mg/L	3.2454	526.583	mg/L	3.2454	0.62%
Cd 214.437†	798.3	-0.0057638	mg/L	0.00061367	-0.0057638	mg/L	0.00061367	10.65%
Ce 413.764†	4899.6	0.147470	mg/L	0.0015794	0.147470	mg/L	0.0015794	1.07%
Co 228.616†	314.9	0.0459094	mg/L	0.00137988	0.0459094	mg/L	0.00137988	3.01%
Cr 205.557†	697.3	0.0796954	mg/L	0.00054955	0.0796954	mg/L	0.00054955	0.69%
Cu 327.397†	2974.0	0.0903860	mg/L	0.00032954	0.0903860	mg/L	0.00032954	0.36%
Fe 238.204†	441350.1	210.552	mg/L	1.2831	210.552	mg/L	1.2831	0.61%
K 766.490	3049.3	4.89200	mg/L	0.032164	4.89200	mg/L	0.032164	0.66%
Li 670.784†	2013.2	0.0584927	mg/L	0.00047904	0.0584927	mg/L	0.00047904	0.82%
Mg 279.071†	94298.1	217.966	mg/L	0.5181	217.966	mg/L	0.5181	0.24%
Mn 257.610†	897096.4	7.04713	mg/L	0.007404	7.04713	mg/L	0.007404	0.11%
Mo 202.031†	84.8	0.0106683	mg/L	0.00160684	0.0106683	mg/L	0.00160684	15.06%
Na 589.592†	5477.8	0.844650	mg/L	0.0025208	0.844650	mg/L	0.0025208	0.30%
Ni 231.604†	965.8	0.0892829	mg/L	0.00141814	0.0892829	mg/L	0.00141814	1.59%
Pb 220.353†	261.9	0.154360	mg/L	0.0020608	0.154360	mg/L	0.0020608	1.34%
Sb 217.584†	-1082.8	-0.266216	mg/L	0.0000370	-0.266216	mg/L	0.0000370	0.01%
Se 196.026†	77.4	0.407168	mg/L	0.0300728	0.407168	mg/L	0.0300728	7.39%
Si 251.611†	44690.2	4.37068	mg/L	0.019348	4.37068	mg/L	0.019348	0.44%
Sn 189.927†	-210.4	0.0000147	mg/L	0.00205091	0.0000147	mg/L	0.00205091	>999.9%
Sr 407.771†	227399.7	0.308267	mg/L	0.0012673	0.308267	mg/L	0.0012673	0.41%
Ti 334.940†	24268.0	1.73716	mg/L	0.003564	1.73716	mg/L	0.003564	0.21%
Tl 190.801†	-38.7	-0.0388367	mg/L	0.00234105	-0.0388367	mg/L	0.00234105	6.03%
V 292.395†	7330.0	0.133845	mg/L	0.0001212	0.133845	mg/L	0.0001212	0.09%
Zn 206.200†	2407.2	0.278300	mg/L	0.0029072	0.278300	mg/L	0.0029072	1.04%

Sequence No.: 31 **Autosampler Location: 31**
Sample ID: 1001350-10 **Date Collected: 2/5/2010 1:26:50 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1001350-10

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	161778.5	161778.5	112.925	%			13:28:00
1	Al 396.153†	225910.2	199879.7	67.3810	mg/L	67.3810	mg/L	13:28:00
1	Ba 455.398†	1213432.1	1074541.6	3.85190	mg/L	3.85190	mg/L	13:27:55
1	Ca 315.887†	478439.9	423548.3	318.324	mg/L	318.324	mg/L	13:27:55
1	Fe 238.204†	1002303.3	887541.1	423.437	mg/L	423.437	mg/L	13:27:55
1	K 766.490	4357.2	4344.0	6.97545	mg/L	6.97545	mg/L	13:28:00
1	Li 670.784†	3582.9	3186.1	0.0932015	mg/L	0.0932015	mg/L	13:28:00
1	Mg 279.071†	41123.8	36401.9	84.1282	mg/L	84.1282	mg/L	13:28:00
1	Na 589.592†	13255.6	10829.9	1.68084	mg/L	1.68084	mg/L	13:28:00
1	Sr 407.771†	476603.1	421308.4	0.572073	mg/L	0.572073	mg/L	13:27:55
1	Ti 334.940†	35592.2	31523.4	2.25650	mg/L	2.25650	mg/L	13:28:00
1	Sc 357.234	219513.5	219513.5	108.690	%			13:28:18
1	Ag 328.068†	-17032.0	-15734.6	-0.203458	mg/L	-0.203458	mg/L	13:28:18
1	As 188.979†	256.5	264.3	0.421312	mg/L	0.421312	mg/L	13:28:38
1	B 249.677†	2465.1	1460.6	0.133718	mg/L	0.133718	mg/L	13:28:18
1	Be 234.861†	28341.6	26910.6	0.0042517	mg/L	0.0042517	mg/L	13:28:18
1	Cd 214.437†	2305.9	1908.6	0.0025035	mg/L	0.0025035	mg/L	13:28:38
1	Ce 413.764†	5578.9	4727.4	0.142084	mg/L	0.142084	mg/L	13:28:18
1	Co 228.616†	450.9	492.1	0.0701812	mg/L	0.0701812	mg/L	13:28:38
1	Cr 205.557†	2937.9	2730.9	0.293300	mg/L	0.293300	mg/L	13:28:38
1	Cu 327.397†	393949.3	362276.6	11.4074	mg/L	11.4074	mg/L	13:28:18
1	Mn 257.610†	837730.8	770518.0	6.06171	mg/L	6.06171	mg/L	13:28:18
1	Mo 202.031†	173.8	71.8	0.0088424	mg/L	0.0088424	mg/L	13:28:38
1	Ni 231.604†	2903.2	2231.5	0.207818	mg/L	0.207818	mg/L	13:28:38
1	Pb 220.353†	15694.0	14466.9	8.54025	mg/L	8.54025	mg/L	13:28:18
1	Sb 217.584†	-2088.7	-1873.7	-0.262221	mg/L	-0.262221	mg/L	13:28:38
1	Se 196.026†	103.4	134.7	0.780445	mg/L	0.780445	mg/L	13:28:38
1	Si 251.611†	48925.3	44734.1	4.41591	mg/L	4.41591	mg/L	13:28:18
1	Sn 189.927†	929.2	837.2	0.520670	mg/L	0.520670	mg/L	13:28:38
1	Tl 190.801†	-125.2	-69.4	-0.0773444	mg/L	-0.0773444	mg/L	13:28:38

1	V 292.395†	10291.7	10607.2	0.172503 mg/L	0.172503 mg/L	13:28:38
1	Zn 206.200†	59112.2	54459.0	6.73939 mg/L	6.73939 mg/L	13:28:18
2	Y 360.076	162270.7	162270.7	113.268 %		13:28:11
2	Al 396.153†	225505.6	198915.6	67.0563 mg/L	67.0563 mg/L	13:28:11
2	Ba 455.398†	1216179.7	1073707.9	3.84891 mg/L	3.84891 mg/L	13:28:06
2	Ca 315.887†	480619.7	424187.5	318.805 mg/L	318.805 mg/L	13:28:06
2	Fe 238.204†	1006576.2	888621.2	423.953 mg/L	423.953 mg/L	13:28:06
2	K 766.490	4362.4	4349.3	6.98387 mg/L	6.98387 mg/L	13:28:11
2	Li 670.784†	3609.7	3200.1	0.0936152 mg/L	0.0936152 mg/L	13:28:11
2	Mg 279.071†	41017.3	36197.4	83.6554 mg/L	83.6554 mg/L	13:28:11
2	Na 589.592†	13193.1	10739.1	1.66666 mg/L	1.66666 mg/L	13:28:11
2	Sr 407.771†	477828.3	421109.8	0.571802 mg/L	0.571802 mg/L	13:28:06
2	Ti 334.940†	35667.5	31494.2	2.25441 mg/L	2.25441 mg/L	13:28:11
2	Sc 357.234	217998.9	217998.9	107.940 %		13:28:44
2	Ag 328.068†	-16945.7	-15763.6	-0.203859 mg/L	-0.203859 mg/L	13:28:44
2	As 188.979†	249.8	259.7	0.413649 mg/L	0.413649 mg/L	13:29:04
2	B 249.677†	2438.4	1451.6	0.133231 mg/L	0.133231 mg/L	13:28:44
2	Be 234.861†	28245.1	27002.4	0.0045829 mg/L	0.0045829 mg/L	13:28:44
2	Cd 214.437†	2308.5	1925.7	0.0032021 mg/L	0.0032021 mg/L	13:29:04
2	Ce 413.764†	5611.8	4793.5	0.144085 mg/L	0.144085 mg/L	13:28:44
2	Co 228.616†	444.7	489.3	0.0696379 mg/L	0.0696379 mg/L	13:29:04
2	Cr 205.557†	2937.1	2748.9	0.295109 mg/L	0.295109 mg/L	13:29:04
2	Cu 327.397†	393027.6	363940.8	11.4598 mg/L	11.4598 mg/L	13:28:44
2	Mn 257.610†	835601.0	773899.7	6.08827 mg/L	6.08827 mg/L	13:28:44
2	Mo 202.031†	185.5	83.7	0.0105100 mg/L	0.0105100 mg/L	13:29:04
2	Ni 231.604†	2921.7	2267.2	0.211165 mg/L	0.211165 mg/L	13:29:04
2	Pb 220.353†	15692.7	14566.0	8.59881 mg/L	8.59881 mg/L	13:28:44
2	Sb 217.584†	-2090.2	-1888.5	-0.272747 mg/L	-0.272747 mg/L	13:29:04
2	Se 196.026†	125.9	156.3	0.827105 mg/L	0.827105 mg/L	13:29:04
2	Si 251.611†	48917.3	45039.4	4.44599 mg/L	4.44599 mg/L	13:28:44
2	Sn 189.927†	937.2	850.7	0.528031 mg/L	0.528031 mg/L	13:29:04
2	Tl 190.801†	-125.0	-70.1	-0.0782208 mg/L	-0.0782208 mg/L	13:29:04
2	V 292.395†	10282.4	10664.4	0.173789 mg/L	0.173789 mg/L	13:29:04
2	Zn 206.200†	59188.5	54907.5	6.79513 mg/L	6.79513 mg/L	13:28:44

Mean Data: 1001350-10

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	218756.2	108.315	%	0.5303				0.49%
Y 360.076	162024.6	113.097	%	0.2430				0.21%
Ag 328.068†	-15749.1	-0.203658	mg/L	0.0002838	-0.203658	mg/L	0.0002838	0.14%
Al 396.153†	199397.6	67.2187	mg/L	0.22958	67.2187	mg/L	0.22958	0.34%
As 188.979†	262.0	0.417481	mg/L	0.0054182	0.417481	mg/L	0.0054182	1.30%
B 249.677†	1456.1	0.133475	mg/L	0.0003438	0.133475	mg/L	0.0003438	0.26%
Ba 455.398†	1074124.8	3.85041	mg/L	0.002114	3.85041	mg/L	0.002114	0.05%
Be 234.861†	26956.5	0.0044173	mg/L	0.00023418	0.0044173	mg/L	0.00023418	5.30%
Ca 315.887†	423867.9	318.565	mg/L	0.3397	318.565	mg/L	0.3397	0.11%
Cd 214.437†	1917.2	0.0028528	mg/L	0.00049400	0.0028528	mg/L	0.00049400	17.32%
Ce 413.764†	4760.5	0.143085	mg/L	0.0014146	0.143085	mg/L	0.0014146	0.99%
Co 228.616†	490.7	0.0699095	mg/L	0.00038418	0.0699095	mg/L	0.00038418	0.55%
Cr 205.557†	2739.9	0.294205	mg/L	0.0012795	0.294205	mg/L	0.0012795	0.43%
Cu 327.397†	363108.7	11.4336	mg/L	0.03706	11.4336	mg/L	0.03706	0.32%
Fe 238.204†	888081.2	423.695	mg/L	0.3644	423.695	mg/L	0.3644	0.09%
K 766.490	4346.7	6.97966	mg/L	0.005950	6.97966	mg/L	0.005950	0.09%
Li 670.784†	3193.1	0.0934083	mg/L	0.00029252	0.0934083	mg/L	0.00029252	0.31%
Mg 279.071†	36299.6	83.8918	mg/L	0.33432	83.8918	mg/L	0.33432	0.40%
Mn 257.610†	772208.8	6.07499	mg/L	0.018781	6.07499	mg/L	0.018781	0.31%
Mo 202.031†	77.7	0.0096762	mg/L	0.00117917	0.0096762	mg/L	0.00117917	12.19%
Na 589.592†	10784.5	1.67375	mg/L	0.010027	1.67375	mg/L	0.010027	0.60%
Ni 231.604†	2249.4	0.209492	mg/L	0.0023665	0.209492	mg/L	0.0023665	1.13%
Pb 220.353†	14516.4	8.56953	mg/L	0.041411	8.56953	mg/L	0.041411	0.48%
Sb 217.584†	-1881.1	-0.267484	mg/L	0.0074431	-0.267484	mg/L	0.0074431	2.78%
Se 196.026†	145.5	0.803775	mg/L	0.0329933	0.803775	mg/L	0.0329933	4.10%
Si 251.611†	44886.8	4.43095	mg/L	0.021272	4.43095	mg/L	0.021272	0.48%
Sn 189.927†	843.9	0.524350	mg/L	0.0052048	0.524350	mg/L	0.0052048	0.99%
Sr 407.771†	421209.1	0.571937	mg/L	0.0001910	0.571937	mg/L	0.0001910	0.03%
Ti 334.940†	31508.8	2.25545	mg/L	0.001477	2.25545	mg/L	0.001477	0.07%
Tl 190.801†	-69.7	-0.0777826	mg/L	0.00061969	-0.0777826	mg/L	0.00061969	0.80%
V 292.395†	10635.8	0.173146	mg/L	0.0009090	0.173146	mg/L	0.0009090	0.53%
Zn 206.200†	54683.3	6.76726	mg/L	0.039418	6.76726	mg/L	0.039418	0.58%

00274

Sequence No.: 32
Sample ID: 1001350-11
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 32
Date Collected: 2/5/2010 1:32:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001350-11

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	163715.5	163715.5	114.277	%			13:33:05
1	Al 396.153†	226550.8	198073.3	66.7062	mg/L	66.7062	mg/L	13:33:05
1	Ba 455.398†	401896.7	351680.1	1.25997	mg/L	1.25997	mg/L	13:33:05
1	Ca 315.887†	38538.6	33592.3	25.2348	mg/L	25.2348	mg/L	13:33:10
1	Fe 238.204†	1222015.6	1069302.8	510.151	mg/L	510.151	mg/L	13:33:05
1	K 766.490	3354.6	3341.4	5.36206	mg/L	5.36206	mg/L	13:33:10
1	Li 670.784†	3091.5	2718.6	0.0793664	mg/L	0.0793664	mg/L	13:33:10
1	Mg 279.071†	12655.1	11058.9	25.5433	mg/L	25.5433	mg/L	13:33:10
1	Na 589.592†	3132.4	1832.5	0.275134	mg/L	0.275134	mg/L	13:33:10
1	Sr 407.771†	57831.2	49861.2	0.0667320	mg/L	0.0667320	mg/L	13:33:10
1	Ti 334.940†	36649.9	32076.0	2.29605	mg/L	2.29605	mg/L	13:33:10
1	Sc 357.234	227442.0	227442.0	112.615	%			13:33:32
1	Ag 328.068†	-20956.2	-18673.0	-0.244179	mg/L	-0.244179	mg/L	13:33:32
1	As 188.979†	214.6	218.8	0.344119	mg/L	0.344119	mg/L	13:33:52
1	B 249.677†	-370.4	-1136.3	-0.0164700	mg/L	-0.0164700	mg/L	13:33:32
1	Be 234.861†	35469.7	32331.2	0.0047683	mg/L	0.0047683	mg/L	13:33:27
1	Cd 214.437†	2247.9	1783.1	-0.0181536	mg/L	-0.0181536	mg/L	13:33:52
1	Ce 413.764†	9183.7	7749.4	0.233423	mg/L	0.233423	mg/L	13:33:32
1	Co 228.616†	436.4	464.9	0.0619690	mg/L	0.0619690	mg/L	13:33:52
1	Cr 205.557†	1743.9	1576.4	0.184795	mg/L	0.184795	mg/L	13:33:52
1	Cu 327.397†	4229.8	3579.1	0.109824	mg/L	0.109824	mg/L	13:33:32
1	Mn 257.610†	3181254.2	2824647.6	22.1864	mg/L	22.1864	mg/L	13:33:27
1	Mo 202.031†	126.0	23.7	0.0021102	mg/L	0.0021102	mg/L	13:33:52
1	Ni 231.604†	2315.0	1616.1	0.150143	mg/L	0.150143	mg/L	13:33:52
1	Pb 220.353†	414.9	396.0	0.234004	mg/L	0.234004	mg/L	13:33:52
1	Sb 217.584†	-2877.2	-2507.0	-0.540421	mg/L	-0.540421	mg/L	13:33:52
1	Se 196.026†	126.8	152.2	0.920174	mg/L	0.920174	mg/L	13:33:52
1	Si 251.611†	24748.3	21696.3	2.18110	mg/L	2.18110	mg/L	13:33:32
1	Sn 189.927†	-32.4	-46.4	-0.0207984	mg/L	-0.0207984	mg/L	13:33:52
1	Tl 190.801†	-119.7	-60.5	-0.0635764	mg/L	-0.0635764	mg/L	13:33:52
1	V 292.395†	14204.9	13752.0	0.231421	mg/L	0.231421	mg/L	13:33:32
1	Zn 206.200†	5337.8	4812.6	0.564615	mg/L	0.564615	mg/L	13:33:52
2	Y 360.076	163728.0	163728.0	114.286	%			13:33:15
2	Al 396.153†	227873.3	199215.4	67.0909	mg/L	67.0909	mg/L	13:33:15
2	Ba 455.398†	404070.2	353555.1	1.26669	mg/L	1.26669	mg/L	13:33:15
2	Ca 315.887†	37837.0	32975.8	24.7715	mg/L	24.7715	mg/L	13:33:20
2	Fe 238.204†	1230840.2	1076943.1	513.797	mg/L	513.797	mg/L	13:33:15
2	K 766.490	3279.0	3265.9	5.24045	mg/L	5.24045	mg/L	13:33:20
2	Li 670.784†	3044.5	2677.3	0.0781434	mg/L	0.0781434	mg/L	13:33:20
2	Mg 279.071†	12423.6	10855.6	25.0732	mg/L	25.0732	mg/L	13:33:20
2	Na 589.592†	3057.7	1767.0	0.264887	mg/L	0.264887	mg/L	13:33:20
2	Sr 407.771†	56890.3	49034.2	0.0656068	mg/L	0.0656068	mg/L	13:33:20
2	Ti 334.940†	36045.3	31544.5	2.25801	mg/L	2.25801	mg/L	13:33:20
2	Sc 357.234	225430.1	225430.1	111.619	%			13:34:03
2	Ag 328.068†	-20927.7	-18813.5	-0.246053	mg/L	-0.246053	mg/L	13:34:03
2	As 188.979†	219.1	224.5	0.354039	mg/L	0.354039	mg/L	13:34:23
2	B 249.677†	-402.9	-1168.4	-0.0180086	mg/L	-0.0180086	mg/L	13:34:03
2	Be 234.861†	35711.9	32829.3	0.0062658	mg/L	0.0062658	mg/L	13:33:58
2	Cd 214.437†	2254.1	1806.5	-0.0177924	mg/L	-0.0177924	mg/L	13:34:23
2	Ce 413.764†	9147.3	7789.6	0.234653	mg/L	0.234653	mg/L	13:34:03
2	Co 228.616†	442.9	474.1	0.0636413	mg/L	0.0636413	mg/L	13:34:23
2	Cr 205.557†	1754.8	1600.0	0.187345	mg/L	0.187345	mg/L	13:34:23
2	Cu 327.397†	4159.6	3549.7	0.108876	mg/L	0.108876	mg/L	13:34:03
2	Mn 257.610†	3195150.2	2862308.6	22.4821	mg/L	22.4821	mg/L	13:33:58
2	Mo 202.031†	121.4	20.6	0.0016785	mg/L	0.0016785	mg/L	13:34:23
2	Ni 231.604†	2285.5	1608.0	0.149386	mg/L	0.149386	mg/L	13:34:23
2	Pb 220.353†	381.1	369.0	0.218012	mg/L	0.218012	mg/L	13:34:23
2	Sb 217.584†	-2883.6	-2535.5	-0.553005	mg/L	-0.553005	mg/L	13:34:23
2	Se 196.026†	148.9	173.0	0.968919	mg/L	0.968919	mg/L	13:34:23

2	Si 251.611†	24890.0	22019.4	2.21467 mg/L	2.21467 mg/L	13:34:03
2	Sn 189.927†	-43.1	-56.3	-0.0262220 mg/L	-0.0262220 mg/L	13:34:23
2	Tl 190.801†	-126.5	-67.6	-0.0738458 mg/L	-0.0738458 mg/L	13:34:23
2	V 292.395†	14142.6	13808.7	0.232123 mg/L	0.232123 mg/L	13:34:03
2	Zn 206.200†	5386.5	4898.6	0.575094 mg/L	0.575094 mg/L	13:34:23

Mean Data: 1001350-11

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	226436.1	112.117	%	0.7044				0.63%
Y 360.076	163721.7	114.281	%	0.0061				0.01%
Ag 328.068†	-18743.3	-0.245116	mg/L	0.0013254	-0.245116	mg/L	0.0013254	0.54%
Al 396.153†	198644.4	66.8986	mg/L	0.27200	66.8986	mg/L	0.27200	0.41%
As 188.979†	221.7	0.349079	mg/L	0.0070149	0.349079	mg/L	0.0070149	2.01%
B 249.677†	-1152.3	-0.0172393	mg/L	0.00108789	-0.0172393	mg/L	0.00108789	6.31%
Ba 455.398†	352617.6	1.26333	mg/L	0.004754	1.26333	mg/L	0.004754	0.38%
Be 234.861†	32580.2	0.0055170	mg/L	0.00105886	0.0055170	mg/L	0.00105886	19.19%
Ca 315.887†	33284.0	25.0032	mg/L	0.32764	25.0032	mg/L	0.32764	1.31%
Cd 214.437†	1794.8	-0.0179730	mg/L	0.00025542	-0.0179730	mg/L	0.00025542	1.42%
Ce 413.764†	7769.5	0.234038	mg/L	0.0008694	0.234038	mg/L	0.0008694	0.37%
Co 228.616†	469.5	0.0628051	mg/L	0.00118250	0.0628051	mg/L	0.00118250	1.88%
Cr 205.557†	1588.2	0.186070	mg/L	0.0018029	0.186070	mg/L	0.0018029	0.97%
Cu 327.397†	3564.4	0.109350	mg/L	0.0006707	0.109350	mg/L	0.0006707	0.61%
Fe 238.204†	1073122.9	511.974	mg/L	2.5774	511.974	mg/L	2.5774	0.50%
K 766.490	3303.7	5.30126	mg/L	0.085997	5.30126	mg/L	0.085997	1.62%
Li 670.784†	2697.9	0.0787549	mg/L	0.00086485	0.0787549	mg/L	0.00086485	1.10%
Mg 279.071†	10957.2	25.3083	mg/L	0.33243	25.3083	mg/L	0.33243	1.31%
Mn 257.610†	2843478.1	22.3342	mg/L	0.20910	22.3342	mg/L	0.20910	0.94%
Mo 202.031†	22.1	0.0018944	mg/L	0.00030524	0.0018944	mg/L	0.00030524	16.11%
Na 589.592†	1799.8	0.270010	mg/L	0.0072457	0.270010	mg/L	0.0072457	2.68%
Ni 231.604†	1612.1	0.149764	mg/L	0.0005358	0.149764	mg/L	0.0005358	0.36%
Pb 220.353†	382.5	0.226008	mg/L	0.0113077	0.226008	mg/L	0.0113077	5.00%
Sb 217.584†	-2521.2	-0.546713	mg/L	0.0088984	-0.546713	mg/L	0.0088984	1.63%
Se 196.026†	162.6	0.944547	mg/L	0.0344674	0.944547	mg/L	0.0344674	3.65%
Si 251.611†	21857.8	2.19789	mg/L	0.023736	2.19789	mg/L	0.023736	1.08%
Sn 189.927†	-51.3	-0.0235102	mg/L	0.00383506	-0.0235102	mg/L	0.00383506	16.31%
Sr 407.771†	49447.7	0.0661694	mg/L	0.00079565	0.0661694	mg/L	0.00079565	1.20%
Ti 334.940†	31810.2	2.27703	mg/L	0.026900	2.27703	mg/L	0.026900	1.18%
Tl 190.801†	-64.0	-0.0687111	mg/L	0.00726157	-0.0687111	mg/L	0.00726157	10.57%
V 292.395†	13780.4	0.231772	mg/L	0.0004962	0.231772	mg/L	0.0004962	0.21%
Zn 206.200†	4855.6	0.569854	mg/L	0.0074100	0.569854	mg/L	0.0074100	1.30%

Sequence No.: 33 **Autosampler Location: 33**
Sample ID: 1001350-12 **Date Collected: 2/5/2010 1:37:16 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1001350-12

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	158931.4	158931.4	110.938	%			13:38:27
1	Al 396.153†	93456.8	84068.8	28.4589	mg/L	28.4589	mg/L	13:38:27
1	Ba 455.398†	39283.3	35403.7	0.125913	mg/L	0.125913	mg/L	13:38:27
1	Ca 315.887†	1049382.5	945790.3	710.840	mg/L	710.840	mg/L	13:38:22
1	Fe 238.204†	244681.9	220515.1	105.191	mg/L	105.191	mg/L	13:38:22
1	K 766.490	3242.4	3229.2	5.18149	mg/L	5.18149	mg/L	13:38:27
1	Li 670.784†	2165.3	1965.1	0.0570702	mg/L	0.0570702	mg/L	13:38:27
1	Mg 279.071†	129149.0	116400.9	269.060	mg/L	269.060	mg/L	13:38:27
1	Na 589.592†	6827.5	5245.8	0.808401	mg/L	0.808401	mg/L	13:38:27
1	Sr 407.771†	283123.0	254464.5	0.345087	mg/L	0.345087	mg/L	13:38:22
1	Ti 334.940†	27433.0	24733.3	1.77046	mg/L	1.77046	mg/L	13:38:27
1	Sc 357.234	218713.4	218713.4	108.293	%			13:38:43
1	Ag 328.068†	-4524.1	-4241.9	-0.0484634	mg/L	-0.0484634	mg/L	13:39:03
1	As 188.979†	16.1	43.1	0.0519705	mg/L	0.0519705	mg/L	13:39:03
1	B 249.677†	872.4	-1.8	0.0080012	mg/L	0.0080012	mg/L	13:38:43
1	Be 234.861†	6296.9	6649.6	0.0006258	mg/L	0.0006258	mg/L	13:38:43
1	Cd 214.437†	698.9	432.4	-0.0026813	mg/L	-0.0026813	mg/L	13:39:03

1	Ce 413.764†	4345.4	3607.1	0.108385 mg/L	0.108385 mg/L	13:38:43
1	Co 228.616†	147.0	213.0	0.0306412 mg/L	0.0306412 mg/L	13:39:03
1	Cr 205.557†	662.8	639.9	0.0675523 mg/L	0.0675523 mg/L	13:39:03
1	Cu 327.397†	2753.0	2365.3	0.0712241 mg/L	0.0712241 mg/L	13:39:03
1	Mn 257.610†	425339.5	392528.5	3.08318 mg/L	3.08318 mg/L	13:38:43
1	Mo 202.031†	221.8	116.7	0.0151329 mg/L	0.0151329 mg/L	13:39:03
1	Ni 231.604†	1359.2	815.5	0.0752502 mg/L	0.0752502 mg/L	13:39:03
1	Pb 220.353†	46.6	70.6	0.0411608 mg/L	0.0411608 mg/L	13:39:03
1	Sb 217.584†	-691.6	-590.6	-0.176928 mg/L	-0.176928 mg/L	13:39:03
1	Se 196.026†	10.2	49.1	0.222505 mg/L	0.222505 mg/L	13:39:03
1	Si 251.611†	46272.7	42449.3	4.12338 mg/L	4.12338 mg/L	13:38:43
1	Sn 189.927†	-239.2	-238.5	0.0249965 mg/L	0.0249965 mg/L	13:39:03
1	Tl 190.801†	-69.1	-18.1	-0.0096331 mg/L	-0.0096331 mg/L	13:39:03
1	V 292.395†	4882.5	5647.0	0.113092 mg/L	0.113092 mg/L	13:39:03
1	Zn 206.200†	1653.3	1599.5	0.182640 mg/L	0.182640 mg/L	13:39:03
2	Y 360.076	158766.9	158766.9	110.823 %		13:38:37
2	Al 396.153†	93123.0	83854.9	28.3875 mg/L	28.3875 mg/L	13:38:37
2	Ba 455.398†	39124.2	35296.8	0.125530 mg/L	0.125530 mg/L	13:38:37
2	Ca 315.887†	1052770.7	949827.9	713.874 mg/L	713.874 mg/L	13:38:32
2	Fe 238.204†	245361.7	221357.1	105.593 mg/L	105.593 mg/L	13:38:32
2	K 766.490	3198.7	3185.5	5.11115 mg/L	5.11115 mg/L	13:38:37
2	Li 670.784†	2138.5	1943.0	0.0564148 mg/L	0.0564148 mg/L	13:38:37
2	Mg 279.071†	128948.9	116340.9	268.922 mg/L	268.922 mg/L	13:38:37
2	Na 589.592†	6891.7	5310.1	0.818452 mg/L	0.818452 mg/L	13:38:37
2	Sr 407.771†	283983.5	255505.3	0.346503 mg/L	0.346503 mg/L	13:38:32
2	Ti 334.940†	27403.3	24732.1	1.77037 mg/L	1.77037 mg/L	13:38:37
2	Sc 357.234	218297.6	218297.6	108.088 %		13:39:08
2	Ag 328.068†	-4466.4	-4196.5	-0.0476173 mg/L	-0.0476173 mg/L	13:39:28
2	As 188.979†	22.7	49.2	0.0622873 mg/L	0.0622873 mg/L	13:39:28
2	B 249.677†	864.9	-7.3	0.0077113 mg/L	0.0077113 mg/L	13:39:08
2	Be 234.861†	6369.4	6727.7	0.0009188 mg/L	0.0009188 mg/L	13:39:08
2	Cd 214.437†	711.6	445.4	-0.0021604 mg/L	-0.0021604 mg/L	13:39:28
2	Ce 413.764†	4332.5	3602.9	0.108256 mg/L	0.108256 mg/L	13:39:08
2	Co 228.616†	148.7	214.9	0.0309800 mg/L	0.0309800 mg/L	13:39:28
2	Cr 205.557†	664.7	642.8	0.0678678 mg/L	0.0678678 mg/L	13:39:28
2	Cu 327.397†	2739.2	2357.4	0.0709755 mg/L	0.0709755 mg/L	13:39:28
2	Mn 257.610†	426711.1	394545.4	3.09903 mg/L	3.09903 mg/L	13:39:08
2	Mo 202.031†	222.4	117.5	0.0152532 mg/L	0.0152532 mg/L	13:39:28
2	Ni 231.604†	1338.9	799.2	0.0737178 mg/L	0.0737178 mg/L	13:39:28
2	Pb 220.353†	46.4	70.5	0.0411127 mg/L	0.0411127 mg/L	13:39:28
2	Sb 217.584†	-693.9	-594.1	-0.178547 mg/L	-0.178547 mg/L	13:39:28
2	Se 196.026†	1.2	40.7	0.205109 mg/L	0.205109 mg/L	13:39:28
2	Si 251.611†	46358.5	42610.0	4.13923 mg/L	4.13923 mg/L	13:39:08
2	Sn 189.927†	-227.9	-228.5	0.0310782 mg/L	0.0310782 mg/L	13:39:28
2	Tl 190.801†	-83.2	-31.2	-0.0281503 mg/L	-0.0281503 mg/L	13:39:28
2	V 292.395†	4864.9	5639.2	0.112835 mg/L	0.112835 mg/L	13:39:28
2	Zn 206.200†	1664.7	1612.9	0.184289 mg/L	0.184289 mg/L	13:39:28

Mean Data: 1001350-12

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	218505.5	108.191	%	0.1455				0.13%
Y 360.076	158849.2	110.880	%	0.0812				0.07%
Ag 328.068†	-4219.2	-0.0480403	mg/L	0.00059831	-0.0480403	mg/L	0.00059831	1.25%
Al 396.153†	83961.9	28.4232	mg/L	0.05046	28.4232	mg/L	0.05046	0.18%
As 188.979†	46.2	0.0571289	mg/L	0.00729509	0.0571289	mg/L	0.00729509	12.77%
B 249.677†	-4.6	0.0078563	mg/L	0.00020500	0.0078563	mg/L	0.00020500	2.61%
Ba 455.398†	35350.3	0.125722	mg/L	0.0002709	0.125722	mg/L	0.0002709	0.22%
Be 234.861†	6688.7	0.0007723	mg/L	0.00020724	0.0007723	mg/L	0.00020724	26.83%
Ca 315.887†	947809.1	712.357	mg/L	2.1458	712.357	mg/L	2.1458	0.30%
Cd 214.437†	438.9	-0.0024208	mg/L	0.00036837	-0.0024208	mg/L	0.00036837	15.22%
Ce 413.764†	3605.0	0.108321	mg/L	0.0000909	0.108321	mg/L	0.0000909	0.08%
Co 228.616†	214.0	0.0308106	mg/L	0.00023955	0.0308106	mg/L	0.00023955	0.78%
Cr 205.557†	641.3	0.0677101	mg/L	0.00022315	0.0677101	mg/L	0.00022315	0.33%
Cu 327.397†	2361.3	0.0710998	mg/L	0.00017578	0.0710998	mg/L	0.00017578	0.25%
Fe 238.204†	220936.1	105.392	mg/L	0.2840	105.392	mg/L	0.2840	0.27%
K 766.490	3207.4	5.14632	mg/L	0.049736	5.14632	mg/L	0.049736	0.97%
Li 670.784†	1954.1	0.0567425	mg/L	0.00046343	0.0567425	mg/L	0.00046343	0.82%
Mg 279.071†	116370.9	268.991	mg/L	0.0980	268.991	mg/L	0.0980	0.04%
Mn 257.610†	393536.9	3.09110	mg/L	0.011204	3.09110	mg/L	0.011204	0.36%

: 00277

Mo 202.031†	117.1	0.0151930 mg/L	0.00008509	0.0151930 mg/L	0.00008509	0.56%
Na 589.592†	5277.9	0.813426 mg/L	0.0071067	0.813426 mg/L	0.0071067	0.87%
Ni 231.604†	807.3	0.0744840 mg/L	0.00108355	0.0744840 mg/L	0.00108355	1.45%
Pb 220.353†	70.6	0.0411368 mg/L	0.00003398	0.0411368 mg/L	0.00003398	0.08%
Sb 217.584†	-592.4	-0.177737 mg/L	0.0011452	-0.177737 mg/L	0.0011452	0.64%
Se 196.026†	44.9	0.213807 mg/L	0.0123012	0.213807 mg/L	0.0123012	5.75%
Si 251.611†	42529.7	4.13131 mg/L	0.011203	4.13131 mg/L	0.011203	0.27%
Sn 189.927†	-233.5	0.0280374 mg/L	0.00430043	0.0280374 mg/L	0.00430043	15.34%
Sr 407.771†	254984.9	0.345795 mg/L	0.0010013	0.345795 mg/L	0.0010013	0.29%
Ti 334.940†	24732.7	1.77042 mg/L	0.000060	1.77042 mg/L	0.000060	0.00%
Tl 190.801†	-24.6	-0.0188917 mg/L	0.01309363	-0.0188917 mg/L	0.01309363	69.31%
V 292.395†	5643.1	0.112963 mg/L	0.0001817	0.112963 mg/L	0.0001817	0.16%
Zn 206.200†	1606.2	0.183464 mg/L	0.0011660	0.183464 mg/L	0.0011660	0.64%

Sequence No.: 34
Sample ID: 1001350-13
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 34
Date Collected: 2/5/2010 1:42:24 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001350-13

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	165681.8	165681.8	115.649	%			13:43:30
1	Al 396.153†	106994.0	92342.0	31.0956	mg/L	31.0956	mg/L	13:43:30
1	Ba 455.398†	1046170.4	904598.4	3.24254	mg/L	3.24254	mg/L	13:43:30
1	Ca 315.887†	77548.0	66922.7	50.2859	mg/L	50.2859	mg/L	13:43:35
1	Fe 238.204†	236255.3	204242.7	97.4415	mg/L	97.4415	mg/L	13:43:30
1	K 766.490	2479.9	2466.7	3.95445	mg/L	3.95445	mg/L	13:43:35
1	Li 670.784†	1639.4	1430.9	0.0412611	mg/L	0.0412611	mg/L	13:43:35
1	Mg 279.071†	14463.6	12491.3	28.8546	mg/L	28.8546	mg/L	13:43:35
1	Na 589.592†	6599.5	4797.9	0.738423	mg/L	0.738423	mg/L	13:43:35
1	Sr 407.771†	428839.5	370065.0	0.502358	mg/L	0.502358	mg/L	13:43:30
1	Ti 334.940†	31288.5	27059.5	1.93697	mg/L	1.93697	mg/L	13:43:35
1	Sc 357.234	232672.9	232672.9	115.205	%			13:43:52
1	Ag 328.068†	-3948.7	-3491.9	-0.0443794	mg/L	-0.0443794	mg/L	13:43:52
1	As 188.979†	37.6	60.9	0.0808060	mg/L	0.0808060	mg/L	13:44:12
1	B 249.677†	667.9	-227.7	-0.0070079	mg/L	-0.0070079	mg/L	13:43:52
1	Be 234.861†	8428.6	8151.1	0.0114330	mg/L	0.0114330	mg/L	13:43:52
1	Cd 214.437†	628.0	332.1	-0.0060117	mg/L	-0.0060117	mg/L	13:44:12
1	Ce 413.764†	5358.5	4245.7	0.127625	mg/L	0.127625	mg/L	13:43:52
1	Co 228.616†	355.1	385.5	0.0625437	mg/L	0.0625437	mg/L	13:44:12
1	Cr 205.557†	623.1	568.7	0.0600506	mg/L	0.0600506	mg/L	13:44:12
1	Cu 327.397†	15840.7	13573.1	0.424320	mg/L	0.424320	mg/L	13:43:52
1	Mn 257.610†	110522.7	95698.2	0.753283	mg/L	0.753283	mg/L	13:43:52
1	Mo 202.031†	162.9	53.2	0.0062433	mg/L	0.0062433	mg/L	13:44:12
1	Ni 231.604†	1579.1	931.1	0.0860121	mg/L	0.0860121	mg/L	13:44:12
1	Pb 220.353†	132.3	142.4	0.0828717	mg/L	0.0828717	mg/L	13:44:12
1	Sb 217.584†	-578.4	-454.1	-0.0871500	mg/L	-0.0871500	mg/L	13:44:12
1	Se 196.026†	-12.0	29.2	0.170905	mg/L	0.170905	mg/L	13:44:12
1	Si 251.611†	41003.4	35311.9	3.41811	mg/L	3.41811	mg/L	13:43:52
1	Sn 189.927†	-75.2	-83.0	-0.0350738	mg/L	-0.0350738	mg/L	13:44:12
1	Tl 190.801†	-83.3	-26.5	-0.0200609	mg/L	-0.0200609	mg/L	13:44:12
1	V 292.395†	5273.9	5716.2	0.115959	mg/L	0.115959	mg/L	13:43:52
1	Zn 206.200†	1699.5	1547.9	0.183018	mg/L	0.183018	mg/L	13:44:12
2	Y 360.076	165461.6	165461.6	115.496	%			13:43:41
2	Al 396.153†	108054.6	93383.4	31.4465	mg/L	31.4465	mg/L	13:43:41
2	Ba 455.398†	1057012.4	915189.8	3.28052	mg/L	3.28052	mg/L	13:43:41
2	Ca 315.887†	78222.2	67595.7	50.7917	mg/L	50.7917	mg/L	13:43:46
2	Fe 238.204†	239496.3	207320.7	98.9101	mg/L	98.9101	mg/L	13:43:41
2	K 766.490	2470.8	2457.6	3.93979	mg/L	3.93979	mg/L	13:43:46
2	Li 670.784†	1676.1	1464.5	0.0422564	mg/L	0.0422564	mg/L	13:43:46
2	Mg 279.071†	14516.0	12553.3	28.9979	mg/L	28.9979	mg/L	13:43:46
2	Na 589.592†	6633.0	4834.5	0.744146	mg/L	0.744146	mg/L	13:43:46
2	Sr 407.771†	433095.7	374243.7	0.508043	mg/L	0.508043	mg/L	13:43:41
2	Ti 334.940†	31507.3	27284.9	1.95311	mg/L	1.95311	mg/L	13:43:46
2	Sc 357.234	234258.2	234258.2	115.990	%			13:44:18
2	Ag 328.068†	-3968.0	-3485.3	-0.0440818	mg/L	-0.0440818	mg/L	13:44:18
2	As 188.979†	31.4	55.3	0.0712273	mg/L	0.0712273	mg/L	13:44:38

2	B 249.677†	653.3	-244.2	-0.0078636 mg/L	-0.0078636 mg/L	13:44:18
2	Be 234.861†	8413.8	8088.8	0.0105962 mg/L	0.0105962 mg/L	13:44:18
2	Cd 214.437†	619.2	320.9	-0.0068148 mg/L	-0.0068148 mg/L	13:44:38
2	Ce 413.764†	5313.5	4175.5	0.125495 mg/L	0.125495 mg/L	13:44:18
2	Co 228.616†	339.3	369.8	0.0595422 mg/L	0.0595422 mg/L	13:44:38
2	Cr 205.557†	612.8	556.1	0.0589000 mg/L	0.0589000 mg/L	13:44:38
2	Cu 327.397†	15936.1	13562.3	0.423990 mg/L	0.423990 mg/L	13:44:18
2	Mn 257.610†	110748.3	95243.5	0.749770 mg/L	0.749770 mg/L	13:44:18
2	Mo 202.031†	166.6	55.4	0.0065557 mg/L	0.0065557 mg/L	13:44:38
2	Ni 231.604†	1580.7	923.2	0.0852778 mg/L	0.0852778 mg/L	13:44:38
2	Pb 220.353†	116.4	127.9	0.0742819 mg/L	0.0742819 mg/L	13:44:38
2	Sb 217.584†	-590.4	-461.0	-0.0884475 mg/L	-0.0884475 mg/L	13:44:38
2	Se 196.026†	4.2	43.2	0.202694 mg/L	0.202694 mg/L	13:44:38
2	Si 251.611†	41123.2	35174.3	3.40459 mg/L	3.40459 mg/L	13:44:18
2	Sn 189.927†	-80.6	-87.1	-0.0372190 mg/L	-0.0372190 mg/L	13:44:38
2	Tl 190.801†	-79.6	-22.9	-0.0146966 mg/L	-0.0146966 mg/L	13:44:38
2	V 292.395†	5280.9	5691.2	0.115089 mg/L	0.115089 mg/L	13:44:18
2	Zn 206.200†	1713.7	1550.2	0.183205 mg/L	0.183205 mg/L	13:44:38

Mean Data: 1001350-13

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	233465.6	115.598	%	0.5550				0.48%
Y 360.076	165571.7	115.573	%	0.1087				0.09%
Ag 328.068†	-3488.6	-0.0442306	mg/L	0.00021042	-0.0442306	mg/L	0.00021042	0.48%
Al 396.153†	92862.7	31.2711	mg/L	0.24813	31.2711	mg/L	0.24813	0.79%
As 188.979†	58.1	0.0760166	mg/L	0.00677318	0.0760166	mg/L	0.00677318	8.91%
B 249.677†	-235.9	-0.0074357	mg/L	0.00060505	-0.0074357	mg/L	0.00060505	8.14%
Ba 455.398†	909894.1	3.26153	mg/L	0.026854	3.26153	mg/L	0.026854	0.82%
Be 234.861†	8119.9	0.0110146	mg/L	0.00059170	0.0110146	mg/L	0.00059170	5.37%
Ca 315.887†	67259.2	50.5388	mg/L	0.35767	50.5388	mg/L	0.35767	0.71%
Cd 214.437†	326.5	-0.0064132	mg/L	0.00056788	-0.0064132	mg/L	0.00056788	8.85%
Ce 413.764†	4210.6	0.126560	mg/L	0.0015061	0.126560	mg/L	0.0015061	1.19%
Co 228.616†	377.7	0.0610429	mg/L	0.00212238	0.0610429	mg/L	0.00212238	3.48%
Cr 205.557†	562.4	0.0594753	mg/L	0.00081359	0.0594753	mg/L	0.00081359	1.37%
Cu 327.397†	13567.7	0.424155	mg/L	0.0002334	0.424155	mg/L	0.0002334	0.06%
Fe 238.204†	205781.7	98.1758	mg/L	1.03840	98.1758	mg/L	1.03840	1.06%
K 766.490	2462.2	3.94712	mg/L	0.010364	3.94712	mg/L	0.010364	0.26%
Li 670.784†	1447.7	0.0417587	mg/L	0.00070378	0.0417587	mg/L	0.00070378	1.69%
Mg 279.071†	12522.3	28.9262	mg/L	0.10130	28.9262	mg/L	0.10130	0.35%
Mn 257.610†	95470.8	0.751526	mg/L	0.0024843	0.751526	mg/L	0.0024843	0.33%
Mo 202.031†	54.3	0.0063995	mg/L	0.00022087	0.0063995	mg/L	0.00022087	3.45%
Na 589.592†	4816.2	0.741285	mg/L	0.0040466	0.741285	mg/L	0.0040466	0.55%
Ni 231.604†	927.2	0.0856449	mg/L	0.00051924	0.0856449	mg/L	0.00051924	0.61%
Pb 220.353†	135.2	0.0785768	mg/L	0.00607390	0.0785768	mg/L	0.00607390	7.73%
Sb 217.584†	-457.6	-0.0877987	mg/L	0.00091745	-0.0877987	mg/L	0.00091745	1.04%
Se 196.026†	36.2	0.186800	mg/L	0.0224784	0.186800	mg/L	0.0224784	12.03%
Si 251.611†	35243.1	3.41135	mg/L	0.009559	3.41135	mg/L	0.009559	0.28%
Sn 189.927†	-85.0	-0.0361464	mg/L	0.00151688	-0.0361464	mg/L	0.00151688	4.20%
Sr 407.771†	372154.3	0.505200	mg/L	0.0040199	0.505200	mg/L	0.0040199	0.80%
Ti 334.940†	27172.2	1.94504	mg/L	0.011413	1.94504	mg/L	0.011413	0.59%
Tl 190.801†	-24.7	-0.0173787	mg/L	0.00379316	-0.0173787	mg/L	0.00379316	21.83%
V 292.395†	5703.7	0.115524	mg/L	0.0006153	0.115524	mg/L	0.0006153	0.53%
Zn 206.200†	1549.0	0.183111	mg/L	0.0001319	0.183111	mg/L	0.0001319	0.07%

==========

Sequence No.: 35
Sample ID: 1001350-14
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 35
Date Collected: 2/5/2010 1:47:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001350-14

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	156803.6	156803.6	109.452	%			13:48:37
1	Al 396.153†	134394.5	122614.3	41.2869	mg/L	41.2869	mg/L	13:48:37
1	Ba 455.398†	699020.5	638646.7	2.28893	mg/L	2.28893	mg/L	13:48:37
1	Ca 315.887†	34528.1	31414.7	23.5981	mg/L	23.5981	mg/L	13:48:42

1	Fe 238.204†	332132.3	303406.3	144.753 mg/L	144.753 mg/L	13:48:37
1	K 766.490	2267.4	2254.2	3.61246 mg/L	3.61246 mg/L	13:48:42
1	Li 670.784†	1894.8	1744.5	0.0505407 mg/L	0.0505407 mg/L	13:48:42
1	Mg 279.071†	4438.4	4040.0	9.31790 mg/L	9.31790 mg/L	13:48:42
1	Na 589.592†	9457.0	7731.7	1.19680 mg/L	1.19680 mg/L	13:48:42
1	Sr 407.771†	721660.0	658592.6	0.894889 mg/L	0.894889 mg/L	13:48:37
1	Ti 334.940†	32633.2	29819.9	2.13456 mg/L	2.13456 mg/L	13:48:42
1	Sc 357.234	235820.2	235820.2	116.764 %		13:48:59
1	Ag 328.068†	-5454.1	-4735.4	-0.0592657 mg/L	-0.0592657 mg/L	13:48:59
1	As 188.979†	51.3	72.2	0.0984034 mg/L	0.0984034 mg/L	13:49:19
1	B 249.677†	729.6	-182.6	0.0009835 mg/L	0.0009835 mg/L	13:48:59
1	Be 234.861†	11245.6	10465.9	0.0081257 mg/L	0.0081257 mg/L	13:48:59
1	Cd 214.437†	760.9	438.7	-0.0105358 mg/L	-0.0105358 mg/L	13:49:19
1	Ce 413.764†	5755.4	4523.6	0.135952 mg/L	0.135952 mg/L	13:48:59
1	Co 228.616†	367.8	392.3	0.0616934 mg/L	0.0616934 mg/L	13:49:19
1	Cr 205.557†	746.8	667.4	0.0726918 mg/L	0.0726918 mg/L	13:49:19
1	Cu 327.397†	19610.3	16618.0	0.520349 mg/L	0.520349 mg/L	13:48:59
1	Mn 257.610†	194971.7	166742.5	1.31264 mg/L	1.31264 mg/L	13:48:59
1	Mo 202.031†	147.8	38.4	0.0041715 mg/L	0.0041715 mg/L	13:49:19
1	Ni 231.604†	1730.5	1042.4	0.0964345 mg/L	0.0964345 mg/L	13:49:19
1	Pb 220.353†	132.4	141.0	0.0819035 mg/L	0.0819035 mg/L	13:49:19
1	Sb 217.584†	-796.5	-634.1	-0.0933369 mg/L	-0.0933369 mg/L	13:49:19
1	Se 196.026†	16.8	54.0	0.279791 mg/L	0.279791 mg/L	13:49:19
1	Si 251.611†	50067.4	42599.6	4.13869 mg/L	4.13869 mg/L	13:48:59
1	Sn 189.927†	-29.2	-42.7	-0.0191301 mg/L	-0.0191301 mg/L	13:49:19
1	Tl 190.801†	-87.8	-29.5	-0.0221924 mg/L	-0.0221924 mg/L	13:49:19
1	V 292.395†	6341.2	6569.2	0.127456 mg/L	0.127456 mg/L	13:48:59
1	Zn 206.200†	1734.3	1558.0	0.181859 mg/L	0.181859 mg/L	13:49:19
2	Y 360.076	166828.9	166828.9	116.450 %		13:48:48
2	Al 396.153†	133106.9	114129.9	38.4287 mg/L	38.4287 mg/L	13:48:48
2	Ba 455.398†	694116.6	596056.7	2.13622 mg/L	2.13622 mg/L	13:48:48
2	Ca 315.887†	34646.0	29620.2	22.2494 mg/L	22.2494 mg/L	13:48:53
2	Fe 238.204†	329866.4	283225.2	135.125 mg/L	135.125 mg/L	13:48:48
2	K 766.490	2315.9	2302.7	3.69048 mg/L	3.69048 mg/L	13:48:53
2	Li 670.784†	1805.3	1563.6	0.0451878 mg/L	0.0451878 mg/L	13:48:53
2	Mg 279.071†	4416.6	3777.6	8.71120 mg/L	8.71120 mg/L	13:48:53
2	Na 589.592†	9450.1	7206.6	1.11474 mg/L	1.11474 mg/L	13:48:53
2	Sr 407.771†	716864.6	614852.9	0.835383 mg/L	0.835383 mg/L	13:48:48
2	Ti 334.940†	32702.3	28087.5	2.01056 mg/L	2.01056 mg/L	13:48:53
2	Sc 357.234	234664.7	234664.7	116.192 %		13:49:24
2	Ag 328.068†	-5434.8	-4741.7	-0.0606397 mg/L	-0.0606397 mg/L	13:49:24
2	As 188.979†	38.0	61.0	0.0803367 mg/L	0.0803367 mg/L	13:49:44
2	B 249.677†	754.0	-158.5	0.0014671 mg/L	0.0014671 mg/L	13:49:24
2	Be 234.861†	11252.5	10519.4	0.0116748 mg/L	0.0116748 mg/L	13:49:24
2	Cd 214.437†	776.6	455.4	-0.0078380 mg/L	-0.0078380 mg/L	13:49:44
2	Ce 413.764†	5751.0	4544.1	0.136618 mg/L	0.136618 mg/L	13:49:24
2	Co 228.616†	365.4	391.8	0.0622244 mg/L	0.0622244 mg/L	13:49:44
2	Cr 205.557†	754.0	676.8	0.0730230 mg/L	0.0730230 mg/L	13:49:44
2	Cu 327.397†	19444.8	16558.3	0.518392 mg/L	0.518392 mg/L	13:49:24
2	Mn 257.610†	194446.7	167113.0	1.31518 mg/L	1.31518 mg/L	13:49:24
2	Mo 202.031†	139.0	31.4	0.0031939 mg/L	0.0031939 mg/L	13:49:44
2	Ni 231.604†	1729.9	1049.2	0.0970687 mg/L	0.0970687 mg/L	13:49:44
2	Pb 220.353†	125.1	135.3	0.0784145 mg/L	0.0784145 mg/L	13:49:44
2	Sb 217.584†	-777.3	-621.0	-0.111435 mg/L	-0.111435 mg/L	13:49:44
2	Se 196.026†	7.0	45.6	0.250458 mg/L	0.250458 mg/L	13:49:44
2	Si 251.611†	49950.1	42709.7	4.15026 mg/L	4.15026 mg/L	13:49:24
2	Sn 189.927†	-26.9	-40.8	-0.0183915 mg/L	-0.0183915 mg/L	13:49:44
2	Tl 190.801†	-89.5	-31.3	-0.0259400 mg/L	-0.0259400 mg/L	13:49:44
2	V 292.395†	6321.6	6579.0	0.129521 mg/L	0.129521 mg/L	13:49:24
2	Zn 206.200†	1759.2	1586.8	0.186070 mg/L	0.186070 mg/L	13:49:44

Mean Data: 1001350-14

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	235242.4	116.478	%	0.4046				0.35%
Y 360.076	161816.3	112.951	%	4.9482				4.38%
Ag 328.068†	-4738.5	-0.0599527	mg/L	0.00097157	-0.0599527	mg/L	0.00097157	1.62%
Al 396.153†	118372.1	39.8578	mg/L	2.02107	39.8578	mg/L	2.02107	5.07%
As 188.979†	66.6	0.0893700	mg/L	0.01277503	0.0893700	mg/L	0.01277503	14.29%
B 249.677†	-170.5	0.0012253	mg/L	0.00034190	0.0012253	mg/L	0.00034190	27.90%

Ba 455.398†	617351.7	2.21258 mg/L	0.107984	2.21258 mg/L	0.107984	4.88%
Be 234.861†	10492.6	0.0099003 mg/L	0.00250958	0.0099003 mg/L	0.00250958	25.35%
Ca 315.887†	30517.4	22.9238 mg/L	0.95371	22.9238 mg/L	0.95371	4.16%
Cd 214.437†	447.0	-0.0091869 mg/L	0.00190770	-0.0091869 mg/L	0.00190770	20.77%
Ce 413.764†	4533.8	0.136285 mg/L	0.0004709	0.136285 mg/L	0.0004709	0.35%
Co 228.616†	392.1	0.0619589 mg/L	0.00037545	0.0619589 mg/L	0.00037545	0.61%
Cr 205.557†	672.1	0.0728574 mg/L	0.00023423	0.0728574 mg/L	0.00023423	0.32%
Cu 327.397†	16588.1	0.519371 mg/L	0.0013832	0.519371 mg/L	0.0013832	0.27%
Fe 238.204†	293315.7	139.939 mg/L	6.8083	139.939 mg/L	6.8083	4.87%
K 766.490	2278.4	3.65147 mg/L	0.055167	3.65147 mg/L	0.055167	1.51%
Li 670.784†	1654.0	0.0478642 mg/L	0.00378510	0.0478642 mg/L	0.00378510	7.91%
Mg 279.071†	3908.8	9.01455 mg/L	0.429004	9.01455 mg/L	0.429004	4.76%
Mn 257.610†	166927.7	1.31391 mg/L	0.001800	1.31391 mg/L	0.001800	0.14%
Mo 202.031†	34.9	0.0036827 mg/L	0.00069127	0.0036827 mg/L	0.00069127	18.77%
Na 589.592†	7469.2	1.15577 mg/L	0.058020	1.15577 mg/L	0.058020	5.02%
Ni 231.604†	1045.8	0.0967516 mg/L	0.00044843	0.0967516 mg/L	0.00044843	0.46%
Pb 220.353†	138.1	0.0801590 mg/L	0.00246715	0.0801590 mg/L	0.00246715	3.08%
Sb 217.584†	-627.6	-0.102386 mg/L	0.0127973	-0.102386 mg/L	0.0127973	12.50%
Se 196.026†	49.8	0.265125 mg/L	0.0207416	0.265125 mg/L	0.0207416	7.82%
Si 251.611†	42654.7	4.14448 mg/L	0.008182	4.14448 mg/L	0.008182	0.20%
Sn 189.927†	-41.7	-0.0187608 mg/L	0.00052231	-0.0187608 mg/L	0.00052231	2.78%
Sr 407.771†	636722.8	0.865136 mg/L	0.0420773	0.865136 mg/L	0.0420773	4.86%
Ti 334.940†	28953.7	2.07256 mg/L	0.087684	2.07256 mg/L	0.087684	4.23%
Tl 190.801†	-30.4	-0.0240662 mg/L	0.00264994	-0.0240662 mg/L	0.00264994	11.01%
V 292.395†	6574.1	0.128488 mg/L	0.0014596	0.128488 mg/L	0.0014596	1.14%
Zn 206.200†	1572.4	0.183965 mg/L	0.0029776	0.183965 mg/L	0.0029776	1.62%

Sequence No.: 36 **Autosampler Location: 36**
Sample ID: 1001350-15 **Date Collected: 2/5/2010 1:52:41 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1001350-15

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	158027.4	158027.4	110.306	%			13:53:52
1	Al 396.153†	110937.6	100398.2	33.9904	mg/L	33.9904	mg/L	13:53:47
1	Ba 455.398†	47281.1	42856.8	0.152637	mg/L	0.152637	mg/L	13:53:52
1	Ca 315.887†	1241977.4	1125801.7	846.135	mg/L	846.135	mg/L	13:53:47
1	Fe 238.204†	194282.0	176086.2	83.9941	mg/L	83.9941	mg/L	13:53:47
1	K 766.490	3195.9	3182.7	5.10668	mg/L	5.10668	mg/L	13:53:52
1	Li 670.784†	2506.9	2286.0	0.0665637	mg/L	0.0665637	mg/L	13:53:52
1	Mg 279.071†	126498.4	114663.9	265.045	mg/L	265.045	mg/L	13:53:52
1	Na 589.592†	8978.6	7231.1	1.11858	mg/L	1.11858	mg/L	13:53:52
1	Sr 407.771†	409555.5	370543.8	0.503009	mg/L	0.503009	mg/L	13:53:47
1	Ti 334.940†	26163.2	23723.6	1.69818	mg/L	1.69818	mg/L	13:53:52
1	Sc 357.234	216841.3	216841.3	107.367	%			13:54:08
1	Ag 328.068†	-3709.9	-3519.6	-0.0374760	mg/L	-0.0374760	mg/L	13:54:28
1	As 188.979†	15.5	42.7	0.0515497	mg/L	0.0515497	mg/L	13:54:28
1	B 249.677†	1018.0	140.7	0.0144314	mg/L	0.0144314	mg/L	13:54:28
1	Be 234.861†	5070.4	5557.4	0.0017362	mg/L	0.0017362	mg/L	13:54:08
1	Cd 214.437†	633.2	376.8	-0.0017460	mg/L	-0.0017460	mg/L	13:54:28
1	Ce 413.764†	5263.4	4496.8	0.135299	mg/L	0.135299	mg/L	13:54:08
1	Co 228.616†	182.1	246.9	0.0378403	mg/L	0.0378403	mg/L	13:54:28
1	Cr 205.557†	851.8	821.2	0.0841315	mg/L	0.0841315	mg/L	13:54:28
1	Cu 327.397†	2838.0	2466.4	0.0743615	mg/L	0.0743615	mg/L	13:54:28
1	Mn 257.610†	385813.5	359105.2	2.82007	mg/L	2.82007	mg/L	13:54:08
1	Mo 202.031†	235.9	131.6	0.0172153	mg/L	0.0172153	mg/L	13:54:28
1	Ni 231.604†	1399.4	863.8	0.0797665	mg/L	0.0797665	mg/L	13:54:28
1	Pb 220.353†	63.5	86.8	0.0506411	mg/L	0.0506411	mg/L	13:54:28
1	Sb 217.584†	-608.5	-518.8	-0.181351	mg/L	-0.181351	mg/L	13:54:28
1	Se 196.026†	-11.0	29.4	0.155514	mg/L	0.155514	mg/L	13:54:28
1	Si 251.611†	22956.7	21101.9	2.02941	mg/L	2.02941	mg/L	13:54:08
1	Sn 189.927†	-251.8	-252.2	0.0471525	mg/L	0.0471525	mg/L	13:54:28
1	Tl 190.801†	-79.2	-28.0	-0.0242322	mg/L	-0.0242322	mg/L	13:54:28
1	V 292.395†	4465.6	5297.5	0.108709	mg/L	0.108709	mg/L	13:54:28
1	Zn 206.200†	5050.6	4776.8	0.578782	mg/L	0.578782	mg/L	13:54:28
2	Y 360.076	158057.9	158057.9	110.328	%			13:54:02

2	Al 396.153†	112394.3	101699.1	34.4315 mg/L	34.4315 mg/L	13:53:57
2	Ba 455.398†	47473.9	43023.2	0.153234 mg/L	0.153234 mg/L	13:54:02
2	Ca 315.887†	1260783.1	1142629.2	858.783 mg/L	858.783 mg/L	13:53:57
2	Fe 238.204†	197402.7	178880.7	85.3273 mg/L	85.3273 mg/L	13:53:57
2	K 766.490	3167.2	3154.1	5.06055 mg/L	5.06055 mg/L	13:54:02
2	Li 670.784†	2542.7	2317.9	0.0675104 mg/L	0.0675104 mg/L	13:54:02
2	Mg 279.071†	127018.5	115113.2	266.083 mg/L	266.083 mg/L	13:54:02
2	Na 589.592†	9056.7	7300.3	1.12940 mg/L	1.12940 mg/L	13:54:02
2	Sr 407.771†	415670.3	376014.3	0.510452 mg/L	0.510452 mg/L	13:53:57
2	Ti 334.940†	26337.3	23876.7	1.70915 mg/L	1.70915 mg/L	13:54:02
2	Sc 357.234	217633.8	217633.8	107.759 %		13:54:34
2	Ag 328.068†	-3722.0	-3518.3	-0.0371373 mg/L	-0.0371373 mg/L	13:54:54
2	As 188.979†	8.7	36.3	0.0407136 mg/L	0.0407136 mg/L	13:54:54
2	B 249.677†	1017.5	136.8	0.0143297 mg/L	0.0143297 mg/L	13:54:54
2	Be 234.861†	5033.2	5505.7	0.0010018 mg/L	0.0010018 mg/L	13:54:34
2	Cd 214.437†	633.6	375.0	-0.0021018 mg/L	-0.0021018 mg/L	13:54:54
2	Ce 413.764†	5274.5	4489.2	0.135066 mg/L	0.135066 mg/L	13:54:34
2	Co 228.616†	190.7	254.3	0.0391325 mg/L	0.0391325 mg/L	13:54:54
2	Cr 205.557†	861.6	827.4	0.0848310 mg/L	0.0848310 mg/L	13:54:54
2	Cu 327.397†	2854.1	2471.7	0.0745362 mg/L	0.0745362 mg/L	13:54:54
2	Mn 257.610†	387359.6	359231.5	2.82111 mg/L	2.82111 mg/L	13:54:34
2	Mo 202.031†	216.9	113.1	0.0146297 mg/L	0.0146297 mg/L	13:54:54
2	Ni 231.604†	1398.1	857.8	0.0791993 mg/L	0.0791993 mg/L	13:54:54
2	Pb 220.353†	67.0	89.8	0.0524388 mg/L	0.0524388 mg/L	13:54:54
2	Sb 217.584†	-616.3	-523.9	-0.181577 mg/L	-0.181577 mg/L	13:54:54
2	Se 196.026†	-14.7	26.0	0.149785 mg/L	0.149785 mg/L	13:54:54
2	Si 251.611†	23057.0	21117.1	2.03095 mg/L	2.03095 mg/L	13:54:34
2	Sn 189.927†	-265.6	-264.1	0.0434822 mg/L	0.0434822 mg/L	13:54:54
2	Tl 190.801†	-73.4	-22.3	-0.0161103 mg/L	-0.0161103 mg/L	13:54:54
2	V 292.395†	4471.6	5288.0	0.108203 mg/L	0.108203 mg/L	13:54:54
2	Zn 206.200†	5072.0	4779.5	0.579001 mg/L	0.579001 mg/L	13:54:54

Mean Data: 1001350-15

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	217237.6	107.563	%	0.2775				0.26%
Y 360.076	158042.7	110.317	%	0.0151				0.01%
Ag 328.068†	-3519.0	-0.0373066	mg/L	0.00023951	-0.0373066	mg/L	0.00023951	0.64%
Al 396.153†	101048.7	34.2109	mg/L	0.31192	34.2109	mg/L	0.31192	0.91%
As 188.979†	39.5	0.0461317	mg/L	0.00766229	0.0461317	mg/L	0.00766229	16.61%
B 249.677†	138.8	0.0143806	mg/L	0.00007193	0.0143806	mg/L	0.00007193	0.50%
Ba 455.398†	42940.0	0.152936	mg/L	0.0004221	0.152936	mg/L	0.0004221	0.28%
Be 234.861†	5531.5	0.0013690	mg/L	0.00051926	0.0013690	mg/L	0.00051926	37.93%
Ca 315.887†	1134215.4	852.459	mg/L	8.9431	852.459	mg/L	8.9431	1.05%
Cd 214.437†	375.9	-0.0019239	mg/L	0.00025160	-0.0019239	mg/L	0.00025160	13.08%
Ce 413.764†	4493.0	0.135183	mg/L	0.0001649	0.135183	mg/L	0.0001649	0.12%
Co 228.616†	250.6	0.0384864	mg/L	0.00091375	0.0384864	mg/L	0.00091375	2.37%
Cr 205.557†	824.3	0.0844812	mg/L	0.00049462	0.0844812	mg/L	0.00049462	0.59%
Cu 327.397†	2469.1	0.0744488	mg/L	0.00012355	0.0744488	mg/L	0.00012355	0.17%
Fe 238.204†	177483.4	84.6607	mg/L	0.94271	84.6607	mg/L	0.94271	1.11%
K 766.490	3168.4	5.08362	mg/L	0.032624	5.08362	mg/L	0.032624	0.64%
Li 670.784†	2301.9	0.0670371	mg/L	0.00066942	0.0670371	mg/L	0.00066942	1.00%
Mg 279.071†	114888.5	265.564	mg/L	0.7344	265.564	mg/L	0.7344	0.28%
Mn 257.610†	359168.4	2.82059	mg/L	0.000736	2.82059	mg/L	0.000736	0.03%
Mo 202.031†	122.3	0.0159225	mg/L	0.00182831	0.0159225	mg/L	0.00182831	11.48%
Na 589.592†	7265.7	1.12399	mg/L	0.007650	1.12399	mg/L	0.007650	0.68%
Ni 231.604†	860.8	0.0794829	mg/L	0.00040112	0.0794829	mg/L	0.00040112	0.50%
Pb 220.353†	88.3	0.0515399	mg/L	0.00127118	0.0515399	mg/L	0.00127118	2.47%
Sb 217.584†	-521.4	-0.181464	mg/L	0.0001602	-0.181464	mg/L	0.0001602	0.09%
Se 196.026†	27.7	0.152650	mg/L	0.0040513	0.152650	mg/L	0.0040513	2.65%
Si 251.611†	21109.5	2.03018	mg/L	0.001094	2.03018	mg/L	0.001094	0.05%
Sn 189.927†	-258.1	0.0453174	mg/L	0.00259532	0.0453174	mg/L	0.00259532	5.73%
Sr 407.771†	373279.1	0.506730	mg/L	0.0052626	0.506730	mg/L	0.0052626	1.04%
Ti 334.940†	23800.1	1.70367	mg/L	0.007752	1.70367	mg/L	0.007752	0.46%
Tl 190.801†	-25.2	-0.0201712	mg/L	0.00574308	-0.0201712	mg/L	0.00574308	28.47%
V 292.395†	5292.8	0.108456	mg/L	0.0003575	0.108456	mg/L	0.0003575	0.33%
Zn 206.200†	4778.2	0.578892	mg/L	0.0001545	0.578892	mg/L	0.0001545	0.03%

Sequence No.: 37 **Autosampler Location: 4**

: 00282

Sample ID: 0B02016-CCV
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 2/5/2010 1:57:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B02016-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	158876.1	158876.1	110.899	%			13:58:55
1	Al 396.153†	8391.2	7392.7	2.46143	mg/L	2.46143	mg/L	13:58:55
1	Ba 455.398†	155194.0	139935.2	0.500727	mg/L	0.500727	mg/L	13:58:55
1	Ca 315.887†	7599.1	6720.7	5.03825	mg/L	5.03825	mg/L	13:59:15
1	Fe 238.204†	1261.9	1094.8	0.521036	mg/L	0.521036	mg/L	13:59:15
1	K 766.490	3395.9	3382.7	5.42851	mg/L	5.42851	mg/L	13:59:15
1	Li 670.784†	18753.7	16923.9	0.499725	mg/L	0.499725	mg/L	13:58:55
1	Mg 279.071†	2423.9	2170.6	4.99626	mg/L	4.99626	mg/L	13:59:15
1	Na 589.592†	36193.4	31727.8	4.94583	mg/L	4.94583	mg/L	13:58:55
1	Sr 407.771†	409515.7	368524.4	0.500262	mg/L	0.500262	mg/L	13:58:55
1	Ti 334.940†	7756.4	6999.0	0.501046	mg/L	0.501046	mg/L	13:59:15
1	Sc 357.234	223870.3	223870.3	110.847	%			13:59:47
1	Ag 328.068†	33090.8	29788.4	0.498479	mg/L	0.498479	mg/L	13:59:47
1	As 188.979†	1632.6	1501.1	2.52097	mg/L	2.52097	mg/L	14:00:07
1	B 249.677†	9436.9	7706.1	0.470483	mg/L	0.470483	mg/L	13:59:47
1	Be 234.861†	9340.4	9261.3	0.0502899	mg/L	0.0502899	mg/L	14:00:07
1	Cd 214.437†	12579.7	11135.8	0.504091	mg/L	0.504091	mg/L	14:00:07
1	Ce 413.764†	402.1	-42.8	-0.0013838	mg/L	-0.0013838	mg/L	13:59:47
1	Co 228.616†	2946.4	2735.4	0.505202	mg/L	0.505202	mg/L	14:00:07
1	Cr 205.557†	5676.7	5149.0	0.505618	mg/L	0.505618	mg/L	14:00:07
1	Cu 327.397†	17814.8	15894.7	0.496596	mg/L	0.496596	mg/L	13:59:47
1	Mn 257.610†	71537.6	64300.2	0.503219	mg/L	0.503219	mg/L	13:59:47
1	Mo 202.031†	4110.6	3620.2	0.505702	mg/L	0.505702	mg/L	14:00:07
1	Ni 231.604†	6477.1	5403.7	0.505267	mg/L	0.505267	mg/L	14:00:07
1	Pb 220.353†	924.9	862.0	0.508142	mg/L	0.508142	mg/L	14:00:07
1	Sb 217.584†	3370.0	3088.2	2.54246	mg/L	2.54246	mg/L	14:00:07
1	Se 196.026†	1290.9	1204.2	2.56864	mg/L	2.56864	mg/L	14:00:07
1	Si 251.611†	28854.8	25751.5	2.49469	mg/L	2.49469	mg/L	13:59:47
1	Sn 189.927†	5043.0	4531.9	2.44885	mg/L	2.44885	mg/L	14:00:07
1	Tl 190.801†	1943.9	1799.4	2.53957	mg/L	2.53957	mg/L	14:00:07
1	V 292.395†	22295.5	21252.1	0.509606	mg/L	0.509606	mg/L	13:59:47
1	Zn 206.200†	4461.9	4098.0	0.507049	mg/L	0.507049	mg/L	14:00:07
2	Y 360.076	158788.5	158788.5	110.838	%			13:59:20
2	Al 396.153†	8479.5	7476.5	2.48969	mg/L	2.48969	mg/L	13:59:20
2	Ba 455.398†	155806.5	140565.1	0.502986	mg/L	0.502986	mg/L	13:59:20
2	Ca 315.887†	7635.8	6757.5	5.06593	mg/L	5.06593	mg/L	13:59:40
2	Fe 238.204†	1267.5	1100.4	0.523722	mg/L	0.523722	mg/L	13:59:40
2	K 766.490	3417.5	3404.4	5.46334	mg/L	5.46334	mg/L	13:59:40
2	Li 670.784†	18864.0	17032.8	0.502946	mg/L	0.502946	mg/L	13:59:20
2	Mg 279.071†	2430.4	2177.6	5.01261	mg/L	5.01261	mg/L	13:59:40
2	Na 589.592†	36236.4	31784.6	4.95471	mg/L	4.95471	mg/L	13:59:20
2	Sr 407.771†	411058.4	370119.9	0.502432	mg/L	0.502432	mg/L	13:59:20
2	Ti 334.940†	7804.5	7046.3	0.504428	mg/L	0.504428	mg/L	13:59:40
2	Sc 357.234	224221.0	224221.0	111.020	%			14:00:12
2	Ag 328.068†	33054.0	29708.6	0.497143	mg/L	0.497143	mg/L	14:00:12
2	As 188.979†	1634.1	1500.1	2.51922	mg/L	2.51922	mg/L	14:00:32
2	B 249.677†	9456.6	7710.4	0.470759	mg/L	0.470759	mg/L	14:00:12
2	Be 234.861†	9339.8	9247.6	0.0502139	mg/L	0.0502139	mg/L	14:00:32
2	Cd 214.437†	12592.2	11129.2	0.503792	mg/L	0.503792	mg/L	14:00:32
2	Ce 413.764†	394.3	-50.3	-0.0016146	mg/L	-0.0016146	mg/L	14:00:12
2	Co 228.616†	2933.5	2719.7	0.502269	mg/L	0.502269	mg/L	14:00:32
2	Cr 205.557†	5686.2	5149.6	0.505676	mg/L	0.505676	mg/L	14:00:32
2	Cu 327.397†	17818.0	15872.4	0.495896	mg/L	0.495896	mg/L	14:00:12
2	Mn 257.610†	71608.0	64262.6	0.502924	mg/L	0.502924	mg/L	14:00:12
2	Mo 202.031†	4103.7	3608.1	0.504008	mg/L	0.504008	mg/L	14:00:32
2	Ni 231.604†	6475.9	5393.5	0.504309	mg/L	0.504309	mg/L	14:00:32
2	Pb 220.353†	920.6	856.8	0.505089	mg/L	0.505089	mg/L	14:00:32
2	Sb 217.584†	3370.7	3084.1	2.53908	mg/L	2.53908	mg/L	14:00:32
2	Se 196.026†	1296.9	1207.8	2.57639	mg/L	2.57639	mg/L	14:00:32
2	Si 251.611†	28783.5	25646.6	2.48433	mg/L	2.48433	mg/L	14:00:12
2	Sn 189.927†	5053.4	4534.1	2.45004	mg/L	2.45004	mg/L	14:00:32
2	Tl 190.801†	1930.5	1784.6	2.51876	mg/L	2.51876	mg/L	14:00:32

2	V 292.395†	22235.3	21166.4	0.507546 mg/L	0.507546 mg/L	14:00:12
2	Zn 206.200†	4478.8	4106.9	0.508153 mg/L	0.508153 mg/L	14:00:32

Mean Data: 0B02016-CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	224045.6	110.934	%	0.1228				0.11%
Y 360.076	158832.3	110.868	%	0.0432				0.04%
Ag 328.068†	29748.5	0.497811	mg/L	0.0009444	0.497811	mg/L	0.0009444	0.19%
QC value within limits for Ag 328.068 Recovery = 99.56%								
Al 396.153†	7434.6	2.47556	mg/L	0.019986	2.47556	mg/L	0.019986	0.81%
QC value within limits for Al 396.153 Recovery = 99.02%								
As 188.979†	1500.6	2.52010	mg/L	0.001240	2.52010	mg/L	0.001240	0.05%
QC value within limits for As 188.979 Recovery = 100.80%								
B 249.677†	7708.3	0.470621	mg/L	0.0001956	0.470621	mg/L	0.0001956	0.04%
QC value within limits for B 249.677 Recovery = 94.12%								
Ba 455.398†	140250.1	0.501856	mg/L	0.0015971	0.501856	mg/L	0.0015971	0.32%
QC value within limits for Ba 455.398 Recovery = 100.37%								
Be 234.861†	9254.4	0.0502519	mg/L	0.00005377	0.0502519	mg/L	0.00005377	0.11%
QC value within limits for Be 234.861 Recovery = 100.50%								
Ca 315.887†	6739.1	5.05209	mg/L	0.019573	5.05209	mg/L	0.019573	0.39%
QC value within limits for Ca 315.887 Recovery = 101.04%								
Cd 214.437†	11132.5	0.503941	mg/L	0.0002109	0.503941	mg/L	0.0002109	0.04%
QC value within limits for Cd 214.437 Recovery = 100.79%								
Ce 413.764†	-46.5	-0.0014992	mg/L	0.00016319	-0.0014992	mg/L	0.00016319	10.88%
Co 228.616†	2727.6	0.503735	mg/L	0.0020740	0.503735	mg/L	0.0020740	0.41%
QC value within limits for Co 228.616 Recovery = 100.75%								
Cr 205.557†	5149.3	0.505647	mg/L	0.0000413	0.505647	mg/L	0.0000413	0.01%
QC value within limits for Cr 205.557 Recovery = 101.13%								
Cu 327.397†	15883.5	0.496246	mg/L	0.0004948	0.496246	mg/L	0.0004948	0.10%
QC value within limits for Cu 327.397 Recovery = 99.25%								
Fe 238.204†	1097.6	0.522379	mg/L	0.0018996	0.522379	mg/L	0.0018996	0.36%
QC value within limits for Fe 238.204 Recovery = 104.48%								
K 766.490	3393.6	5.44592	mg/L	0.024629	5.44592	mg/L	0.024629	0.45%
QC value within limits for K 766.490 Recovery = 108.92%								
Li 670.784†	16978.3	0.501335	mg/L	0.0022778	0.501335	mg/L	0.0022778	0.45%
QC value within limits for Li 670.784 Recovery = 100.27%								
Mg 279.071†	2174.1	5.00443	mg/L	0.011567	5.00443	mg/L	0.011567	0.23%
QC value within limits for Mg 279.071 Recovery = 100.09%								
Mn 257.610†	64281.4	0.503071	mg/L	0.0002083	0.503071	mg/L	0.0002083	0.04%
QC value within limits for Mn 257.610 Recovery = 100.61%								
Mo 202.031†	3614.2	0.504855	mg/L	0.0011977	0.504855	mg/L	0.0011977	0.24%
QC value within limits for Mo 202.031 Recovery = 100.97%								
Na 589.592†	31756.2	4.95027	mg/L	0.006274	4.95027	mg/L	0.006274	0.13%
QC value within limits for Na 589.592 Recovery = 99.01%								
Ni 231.604†	5398.6	0.504788	mg/L	0.0006776	0.504788	mg/L	0.0006776	0.13%
QC value within limits for Ni 231.604 Recovery = 100.96%								
Pb 220.353†	859.4	0.506615	mg/L	0.0021589	0.506615	mg/L	0.0021589	0.43%
QC value within limits for Pb 220.353 Recovery = 101.32%								
Sb 217.584†	3086.2	2.54077	mg/L	0.002388	2.54077	mg/L	0.002388	0.09%
QC value within limits for Sb 217.584 Recovery = 101.63%								
Se 196.026†	1206.0	2.57252	mg/L	0.005482	2.57252	mg/L	0.005482	0.21%
QC value within limits for Se 196.026 Recovery = 102.90%								
Si 251.611†	25699.1	2.48951	mg/L	0.007327	2.48951	mg/L	0.007327	0.29%
QC value within limits for Si 251.611 Recovery = 99.58%								
Sn 189.927†	4533.0	2.44945	mg/L	0.000842	2.44945	mg/L	0.000842	0.03%
QC value within limits for Sn 189.927 Recovery = 97.98%								
Sr 407.771†	369322.1	0.501347	mg/L	0.0015349	0.501347	mg/L	0.0015349	0.31%
QC value within limits for Sr 407.771 Recovery = 100.27%								
Ti 334.940†	7022.6	0.502737	mg/L	0.0023921	0.502737	mg/L	0.0023921	0.48%
QC value within limits for Ti 334.940 Recovery = 100.55%								
Tl 190.801†	1792.0	2.52917	mg/L	0.014719	2.52917	mg/L	0.014719	0.58%
QC value within limits for Tl 190.801 Recovery = 101.17%								
V 292.395†	21209.3	0.508576	mg/L	0.0014565	0.508576	mg/L	0.0014565	0.29%
QC value within limits for V 292.395 Recovery = 101.72%								
Zn 206.200†	4102.5	0.507601	mg/L	0.0007805	0.507601	mg/L	0.0007805	0.15%
QC value within limits for Zn 206.200 Recovery = 101.52%								

All analyte(s) passed QC.

Sequence No.: 38
Sample ID: 0B02016-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 2/5/2010 2:01:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B02016-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	159420.8	159420.8	111.279	%			14:02:51
1	Al 396.153†	176.4	-15.4	-0.0256996	mg/L	-0.0256996	mg/L	14:02:51
1	Ba 455.398†	39.2	28.6	-0.0009297	mg/L	-0.0009297	mg/L	14:02:51
1	Ca 315.887†	138.4	-7.2	-0.0184236	mg/L	-0.0184236	mg/L	14:03:11
1	Fe 238.204†	88.3	36.3	0.0166909	mg/L	0.0166909	mg/L	14:03:11
1	K 766.490	-32.5	-45.6	-0.0884693	mg/L	-0.0884693	mg/L	14:02:51
1	Li 670.784†	-39.2	-21.9	-0.0017291	mg/L	-0.0017291	mg/L	14:02:51
1	Mg 279.071†	11.5	-4.8	-0.0323912	mg/L	-0.0323912	mg/L	14:03:11
1	Na 589.592†	683.3	-294.5	-0.0571821	mg/L	-0.0571821	mg/L	14:02:51
1	Sr 407.771†	888.4	53.4	-0.0010297	mg/L	-0.0010297	mg/L	14:02:51
1	Ti 334.940†	-6.4	-0.9	-0.0000044	mg/L	-0.0000044	mg/L	14:03:11
1	Sc 357.234	222600.3	222600.3	110.218	%			14:03:43
1	Ag 328.068†	76.3	4.9	0.0001714	mg/L	0.0001714	mg/L	14:03:43
1	As 188.979†	-30.1	0.9	-0.0066907	mg/L	-0.0066907	mg/L	14:04:03
1	B 249.677†	491.8	-361.2	-0.0247138	mg/L	-0.0247138	mg/L	14:04:03
1	Be 234.861†	-828.7	83.0	0.0002491	mg/L	0.0002491	mg/L	14:04:03
1	Cd 214.437†	194.3	-36.7	-0.0030668	mg/L	-0.0030668	mg/L	14:04:03
1	Ce 413.764†	430.0	-15.4	-0.0004637	mg/L	-0.0004637	mg/L	14:03:43
1	Co 228.616†	-79.4	5.3	-0.0002491	mg/L	-0.0002491	mg/L	14:04:03
1	Cr 205.557†	-28.5	2.0	-0.0017868	mg/L	-0.0017868	mg/L	14:04:03
1	Cu 327.397†	171.9	-21.0	-0.0050329	mg/L	-0.0050329	mg/L	14:03:43
1	Mn 257.610†	266.8	4.9	-0.0014076	mg/L	-0.0014076	mg/L	14:04:03
1	Mo 202.031†	87.1	-9.1	-0.0024828	mg/L	-0.0024828	mg/L	14:04:03
1	Ni 231.604†	436.4	-43.7	-0.0052027	mg/L	-0.0052027	mg/L	14:04:03
1	Pb 220.353†	-28.1	2.1	-0.0002807	mg/L	-0.0002807	mg/L	14:04:03
1	Sb 217.584†	-52.2	0.6	-0.0055011	mg/L	-0.0055011	mg/L	14:04:03
1	Se 196.026†	-42.1	1.4	-0.0035469	mg/L	-0.0035469	mg/L	14:04:03
1	Si 251.611†	247.9	-54.7	-0.0193915	mg/L	-0.0193915	mg/L	14:04:03
1	Sn 189.927†	21.9	2.2	-0.0000336	mg/L	-0.0000336	mg/L	14:04:03
1	Tl 190.801†	-46.7	3.3	0.0029238	mg/L	0.0029238	mg/L	14:04:03
1	V 292.395†	-1105.9	134.9	0.0020971	mg/L	0.0020971	mg/L	14:03:43
1	Zn 206.200†	-71.7	7.7	-0.0013565	mg/L	-0.0013565	mg/L	14:04:03
2	Y 360.076	157551.2	157551.2	109.974	%			14:03:16
2	Al 396.153†	180.2	-10.1	-0.0239085	mg/L	-0.0239085	mg/L	14:03:16
2	Ba 455.398†	78.6	64.9	-0.0007996	mg/L	-0.0007996	mg/L	14:03:16
2	Ca 315.887†	138.3	-5.9	-0.0174188	mg/L	-0.0174188	mg/L	14:03:36
2	Fe 238.204†	82.5	31.9	0.0145870	mg/L	0.0145870	mg/L	14:03:36
2	K 766.490	-19.3	-32.5	-0.0673314	mg/L	-0.0673314	mg/L	14:03:16
2	Li 670.784†	29.0	39.7	0.0000934	mg/L	0.0000934	mg/L	14:03:16
2	Mg 279.071†	23.1	5.9	-0.0077557	mg/L	-0.0077557	mg/L	14:03:36
2	Na 589.592†	732.3	-242.6	-0.0490826	mg/L	-0.0490826	mg/L	14:03:16
2	Sr 407.771†	901.7	75.0	-0.0010004	mg/L	-0.0010004	mg/L	14:03:16
2	Ti 334.940†	-1.3	3.7	0.0003243	mg/L	0.0003243	mg/L	14:03:36
2	Sc 357.234	220464.4	220464.4	109.160	%			14:04:08
2	Ag 328.068†	117.7	43.5	0.0008142	mg/L	0.0008142	mg/L	14:04:08
2	As 188.979†	-21.6	8.5	0.0061407	mg/L	0.0061407	mg/L	14:04:28
2	B 249.677†	471.5	-375.5	-0.0255854	mg/L	-0.0255854	mg/L	14:04:28
2	Be 234.861†	-825.6	78.5	0.0002251	mg/L	0.0002251	mg/L	14:04:28
2	Cd 214.437†	196.2	-33.2	-0.0029070	mg/L	-0.0029070	mg/L	14:04:28
2	Ce 413.764†	409.5	-30.3	-0.0009164	mg/L	-0.0009164	mg/L	14:04:08
2	Co 228.616†	-85.4	-0.9	-0.0013875	mg/L	-0.0013875	mg/L	14:04:28
2	Cr 205.557†	-23.8	6.0	-0.0013891	mg/L	-0.0013891	mg/L	14:04:28
2	Cu 327.397†	177.8	-14.0	-0.0048147	mg/L	-0.0048147	mg/L	14:04:08
2	Mn 257.610†	271.0	11.1	-0.0013591	mg/L	-0.0013591	mg/L	14:04:28
2	Mo 202.031†	89.9	-5.8	-0.0020213	mg/L	-0.0020213	mg/L	14:04:28
2	Ni 231.604†	425.8	-49.5	-0.0057525	mg/L	-0.0057525	mg/L	14:04:28
2	Pb 220.353†	-25.0	4.7	0.0012395	mg/L	0.0012395	mg/L	14:04:28
2	Sb 217.584†	-46.9	5.0	-0.0018900	mg/L	-0.0018900	mg/L	14:04:28
2	Se 196.026†	-43.8	-0.5	-0.0077101	mg/L	-0.0077101	mg/L	14:04:28
2	Si 251.611†	239.9	-59.9	-0.0199059	mg/L	-0.0199059	mg/L	14:04:28
2	Sn 189.927†	14.1	-4.7	-0.0037724	mg/L	-0.0037724	mg/L	14:04:28

2	Tl 190.801†	-49.4	0.5	-0.0010978 mg/L	-0.0010978 mg/L	14:04:28
2	V 292.395†	-1108.6	122.8	0.0018129 mg/L	0.0018129 mg/L	14:04:08
2	Zn 206.200†	-72.8	6.0	-0.0015677 mg/L	-0.0015677 mg/L	14:04:28

Mean Data: 0B02016-CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	221532.3	109.689	%	0.7478				0.68%
Y 360.076	158486.0	110.627	%	0.9228				0.83%
Ag 328.068†	24.2	0.0004928	mg/L	0.00045449	0.0004928	mg/L	0.00045449	92.22%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-12.7	-0.0248040	mg/L	0.00126647	-0.0248040	mg/L	0.00126647	5.11%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	4.7	-0.0002750	mg/L	0.00907315	-0.0002750	mg/L	0.00907315	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-368.3	-0.0251496	mg/L	0.00061632	-0.0251496	mg/L	0.00061632	2.45%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	46.7	-0.0008647	mg/L	0.00009200	-0.0008647	mg/L	0.00009200	10.64%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	80.8	0.0002371	mg/L	0.00001692	0.0002371	mg/L	0.00001692	7.14%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	-6.6	-0.0179212	mg/L	0.00071050	-0.0179212	mg/L	0.00071050	3.96%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	-34.9	-0.0029869	mg/L	0.00011295	-0.0029869	mg/L	0.00011295	3.78%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	-22.8	-0.0006900	mg/L	0.00032015	-0.0006900	mg/L	0.00032015	46.40%
Co 228.616†	2.2	-0.0008183	mg/L	0.00080496	-0.0008183	mg/L	0.00080496	98.37%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	4.0	-0.0015879	mg/L	0.00028125	-0.0015879	mg/L	0.00028125	17.71%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	-17.5	-0.0049238	mg/L	0.00015425	-0.0049238	mg/L	0.00015425	3.13%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	34.1	0.0156389	mg/L	0.00148770	0.0156389	mg/L	0.00148770	9.51%
QC value greater than the upper limit for Fe 238.204 Recovery = Not calculated								
K 766.490	-39.1	-0.0779003	mg/L	0.01494674	-0.0779003	mg/L	0.01494674	19.19%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	8.9	-0.0008179	mg/L	0.00128874	-0.0008179	mg/L	0.00128874	157.57%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	0.6	-0.0200735	mg/L	0.01741991	-0.0200735	mg/L	0.01741991	86.78%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	8.0	-0.0013834	mg/L	0.00003431	-0.0013834	mg/L	0.00003431	2.48%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-7.5	-0.0022521	mg/L	0.00032636	-0.0022521	mg/L	0.00032636	14.49%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-268.6	-0.0531324	mg/L	0.00572721	-0.0531324	mg/L	0.00572721	10.78%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-46.6	-0.0054776	mg/L	0.00038878	-0.0054776	mg/L	0.00038878	7.10%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	3.4	0.0004794	mg/L	0.00107493	0.0004794	mg/L	0.00107493	224.23%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	2.8	-0.0036956	mg/L	0.00255347	-0.0036956	mg/L	0.00255347	69.10%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	0.5	-0.0056285	mg/L	0.00294377	-0.0056285	mg/L	0.00294377	52.30%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	-57.3	-0.0196487	mg/L	0.00036369	-0.0196487	mg/L	0.00036369	1.85%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-1.3	-0.0019030	mg/L	0.00264372	-0.0019030	mg/L	0.00264372	138.92%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	64.2	-0.0010150	mg/L	0.00002072	-0.0010150	mg/L	0.00002072	2.04%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	1.4	0.0001599	mg/L	0.00023242	0.0001599	mg/L	0.00023242	145.34%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	1.9	0.0009130	mg/L	0.00284369	0.0009130	mg/L	0.00284369	311.46%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	128.9	0.0019550	mg/L	0.00020100	0.0019550	mg/L	0.00020100	10.28%
QC value within limits for V 292.395 Recovery = Not calculated								
Zn 206.200†	6.9	-0.0014621	mg/L	0.00014939	-0.0014621	mg/L	0.00014939	10.22%
QC value within limits for Zn 206.200 Recovery = Not calculated								

QC Failed. Continue with analysis.

OK

: 00286

Sequence No.: 39
Sample ID: 1001350-16
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 37
Date Collected: 2/5/2010 2:05:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001350-16

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	163003.4	163003.4	113.780	%			14:06:53
1	Al 396.153†	131454.5	115360.1	38.8876	mg/L	38.8876	mg/L	14:06:48
1	Ba 455.398†	148924.0	130881.3	0.468263	mg/L	0.468263	mg/L	14:06:48
1	Ca 315.887†	330805.3	290609.9	218.408	mg/L	218.408	mg/L	14:06:48
1	Fe 238.204†	258950.9	227546.3	108.555	mg/L	108.555	mg/L	14:06:48
1	K 766.490	2485.2	2472.0	3.96294	mg/L	3.96294	mg/L	14:06:53
1	Li 670.784†	2190.2	1938.3	0.0562755	mg/L	0.0562755	mg/L	14:06:53
1	Mg 279.071†	43627.5	38328.7	88.5822	mg/L	88.5822	mg/L	14:06:53
1	Na 589.592†	4528.5	3071.5	0.468708	mg/L	0.468708	mg/L	14:06:53
1	Sr 407.771†	219147.6	191861.8	0.259919	mg/L	0.259919	mg/L	14:06:48
1	Ti 334.940†	31276.4	27493.4	1.96803	mg/L	1.96803	mg/L	14:06:53
1	Sc 357.234	225450.0	225450.0	111.629	%			14:07:10
1	Ag 328.068†	-4487.1	-4083.9	-0.0508641	mg/L	-0.0508641	mg/L	14:07:30
1	As 188.979†	19.2	45.5	0.0544431	mg/L	0.0544431	mg/L	14:07:30
1	B 249.677†	705.7	-175.2	-0.0024553	mg/L	-0.0024553	mg/L	14:07:10
1	Be 234.861†	7490.5	7545.1	0.0043252	mg/L	0.0043252	mg/L	14:07:10
1	Cd 214.437†	687.3	402.7	-0.0053607	mg/L	-0.0053607	mg/L	14:07:30
1	Ce 413.764†	5509.7	4530.3	0.136218	mg/L	0.136218	mg/L	14:07:10
1	Co 228.616†	210.4	265.8	0.0398776	mg/L	0.0398776	mg/L	14:07:30
1	Cr 205.557†	746.9	697.0	0.0733876	mg/L	0.0733876	mg/L	14:07:30
1	Cu 327.397†	3931.4	3344.9	0.102206	mg/L	0.102206	mg/L	14:07:30
1	Mn 257.610†	586583.0	525238.1	4.12485	mg/L	4.12485	mg/L	14:07:10
1	Mo 202.031†	181.9	74.7	0.0092602	mg/L	0.0092602	mg/L	14:07:30
1	Ni 231.604†	1484.7	890.5	0.0822433	mg/L	0.0822433	mg/L	14:07:30
1	Pb 220.353†	347.1	338.5	0.199867	mg/L	0.199867	mg/L	14:07:30
1	Sb 217.584†	-654.9	-538.7	-0.124025	mg/L	-0.124025	mg/L	14:07:30
1	Se 196.026†	5.0	44.1	0.216003	mg/L	0.216003	mg/L	14:07:30
1	Si 251.611†	24777.1	21916.2	2.10837	mg/L	2.10837	mg/L	14:07:10
1	Sn 189.927†	-140.2	-143.3	-0.0309832	mg/L	-0.0309832	mg/L	14:07:30
1	Tl 190.801†	-85.3	-30.7	-0.0253840	mg/L	-0.0253840	mg/L	14:07:30
1	V 292.395†	6430.3	6898.8	0.142082	mg/L	0.142082	mg/L	14:07:30
1	Zn 206.200†	2918.2	2686.9	0.322189	mg/L	0.322189	mg/L	14:07:30
2	Y 360.076	163638.7	163638.7	114.223	%			14:07:03
2	Al 396.153†	132617.0	115929.4	39.0798	mg/L	39.0798	mg/L	14:06:58
2	Ba 455.398†	150529.7	131778.8	0.471481	mg/L	0.471481	mg/L	14:06:58
2	Ca 315.887†	334852.8	293024.7	220.223	mg/L	220.223	mg/L	14:06:58
2	Fe 238.204†	262248.5	229549.7	109.511	mg/L	109.511	mg/L	14:06:58
2	K 766.490	2506.0	2492.8	3.99643	mg/L	3.99643	mg/L	14:07:03
2	Li 670.784†	2162.9	1906.8	0.0553450	mg/L	0.0553450	mg/L	14:07:03
2	Mg 279.071†	43714.8	38256.3	88.4150	mg/L	88.4150	mg/L	14:07:03
2	Na 589.592†	4496.4	3027.9	0.461897	mg/L	0.461897	mg/L	14:07:03
2	Sr 407.771†	221549.0	193216.4	0.261762	mg/L	0.261762	mg/L	14:06:58
2	Ti 334.940†	31428.0	27519.4	1.96989	mg/L	1.96989	mg/L	14:07:03
2	Sc 357.234	227320.9	227320.9	112.555	%			14:07:35
2	Ag 328.068†	-4463.9	-4030.3	-0.0498307	mg/L	-0.0498307	mg/L	14:07:55
2	As 188.979†	21.0	46.9	0.0567948	mg/L	0.0567948	mg/L	14:07:55
2	B 249.677†	662.9	-218.5	-0.0050036	mg/L	-0.0050036	mg/L	14:07:35
2	Be 234.861†	7441.7	7446.5	0.0034630	mg/L	0.0034630	mg/L	14:07:35
2	Cd 214.437†	688.5	398.7	-0.0057288	mg/L	-0.0057288	mg/L	14:07:55
2	Ce 413.764†	5483.7	4466.5	0.134289	mg/L	0.134289	mg/L	14:07:35
2	Co 228.616†	197.5	252.8	0.0374158	mg/L	0.0374158	mg/L	14:07:55
2	Cr 205.557†	753.6	697.4	0.0734918	mg/L	0.0734918	mg/L	14:07:55
2	Cu 327.397†	3920.0	3305.8	0.100975	mg/L	0.100975	mg/L	14:07:55
2	Mn 257.610†	586110.0	520493.0	4.08765	mg/L	4.08765	mg/L	14:07:35
2	Mo 202.031†	190.7	81.2	0.0101681	mg/L	0.0101681	mg/L	14:07:55
2	Ni 231.604†	1485.3	880.0	0.0812713	mg/L	0.0812713	mg/L	14:07:55
2	Pb 220.353†	366.2	353.0	0.208447	mg/L	0.208447	mg/L	14:07:55
2	Sb 217.584†	-658.8	-537.4	-0.120046	mg/L	-0.120046	mg/L	14:07:55
2	Se 196.026†	2.7	42.0	0.212490	mg/L	0.212490	mg/L	14:07:55
2	Si 251.611†	24917.2	21858.0	2.10287	mg/L	2.10287	mg/L	14:07:35

2	Sn 189.927†	-141.5	-143.4	-0.0306440 mg/L	-0.0306440 mg/L	14:07:55
2	Tl 190.801†	-81.2	-26.4	-0.0192897 mg/L	-0.0192897 mg/L	14:07:55
2	V 292.395†	6419.4	6841.7	0.140556 mg/L	0.140556 mg/L	14:07:55
2	Zn 206.200†	2924.2	2670.8	0.320123 mg/L	0.320123 mg/L	14:07:55

Mean Data: 1001350-16

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	226385.5	112.092	%	0.6550				0.58%
Y 360.076	163321.1	114.002	%	0.3136				0.28%
Ag 328.068†	-4057.1	-0.0503474	mg/L	0.00073074	-0.0503474	mg/L	0.00073074	1.45%
Al 396.153†	115644.8	38.9837	mg/L	0.13588	38.9837	mg/L	0.13588	0.35%
As 188.979†	46.2	0.0556190	mg/L	0.00166293	0.0556190	mg/L	0.00166293	2.99%
B 249.677†	-196.8	-0.0037295	mg/L	0.00180193	-0.0037295	mg/L	0.00180193	48.32%
Ba 455.398†	131330.0	0.469872	mg/L	0.0022757	0.469872	mg/L	0.0022757	0.48%
Be 234.861†	7495.8	0.0038941	mg/L	0.00060968	0.0038941	mg/L	0.00060968	15.66%
Ca 315.887†	291817.3	219.316	mg/L	1.2834	219.316	mg/L	1.2834	0.59%
Cd 214.437†	400.7	-0.0055447	mg/L	0.00026028	-0.0055447	mg/L	0.00026028	4.69%
Ce 413.764†	4498.4	0.135254	mg/L	0.0013636	0.135254	mg/L	0.0013636	1.01%
Co 228.616†	259.3	0.0386467	mg/L	0.00174078	0.0386467	mg/L	0.00174078	4.50%
Cr 205.557†	697.2	0.0734397	mg/L	0.00007367	0.0734397	mg/L	0.00007367	0.10%
Cu 327.397†	3325.4	0.101591	mg/L	0.0008705	0.101591	mg/L	0.0008705	0.86%
Fe 238.204†	228548.0	109.033	mg/L	0.6759	109.033	mg/L	0.6759	0.62%
K 766.490	2482.4	3.97969	mg/L	0.023682	3.97969	mg/L	0.023682	0.60%
Li 670.784†	1922.6	0.0558102	mg/L	0.00065794	0.0558102	mg/L	0.00065794	1.18%
Mg 279.071†	38292.5	88.4986	mg/L	0.11827	88.4986	mg/L	0.11827	0.13%
Mn 257.610†	522865.5	4.10625	mg/L	0.026308	4.10625	mg/L	0.026308	0.64%
Mo 202.031†	78.0	0.0097141	mg/L	0.00064197	0.0097141	mg/L	0.00064197	6.61%
Na 589.592†	3049.7	0.465303	mg/L	0.0048157	0.465303	mg/L	0.0048157	1.03%
Ni 231.604†	885.3	0.0817573	mg/L	0.00068729	0.0817573	mg/L	0.00068729	0.84%
Pb 220.353†	345.7	0.204157	mg/L	0.0060670	0.204157	mg/L	0.0060670	2.97%
Sb 217.584†	-538.0	-0.122036	mg/L	0.0028132	-0.122036	mg/L	0.0028132	2.31%
Se 196.026†	43.1	0.214246	mg/L	0.0024839	0.214246	mg/L	0.0024839	1.16%
Si 251.611†	21887.1	2.10562	mg/L	0.003892	2.10562	mg/L	0.003892	0.18%
Sn 189.927†	-143.3	-0.0308136	mg/L	0.00023982	-0.0308136	mg/L	0.00023982	0.78%
Sr 407.771†	192539.1	0.260840	mg/L	0.0013032	0.260840	mg/L	0.0013032	0.50%
Ti 334.940†	27506.4	1.96896	mg/L	0.001319	1.96896	mg/L	0.001319	0.07%
Tl 190.801†	-28.6	-0.0223368	mg/L	0.00430930	-0.0223368	mg/L	0.00430930	19.29%
V 292.395†	6870.2	0.141319	mg/L	0.0010791	0.141319	mg/L	0.0010791	0.76%
Zn 206.200†	2678.9	0.321156	mg/L	0.0014616	0.321156	mg/L	0.0014616	0.46%

==========

Sequence No.: 40
Sample ID: 1000787-MS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 38
Date Collected: 2/5/2010 2:10:49 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000787-MS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	164056.7	164056.7	114.515	%			14:11:59
1	Al 396.153†	175369.7	152967.3	51.5584	mg/L	51.5584	mg/L	14:11:59
1	Ba 455.398†	248075.9	216625.1	0.775711	mg/L	0.775711	mg/L	14:11:54
1	Ca 315.887†	381077.7	332643.6	250.001	mg/L	250.001	mg/L	14:11:59
1	Fe 238.204†	251165.3	219286.4	104.613	mg/L	104.613	mg/L	14:11:59
1	K 766.490	12147.6	12134.5	19.5119	mg/L	19.5119	mg/L	14:11:59
1	Li 670.784†	12629.1	11041.6	0.325659	mg/L	0.325659	mg/L	14:11:59
1	Mg 279.071†	52355.0	45703.8	105.631	mg/L	105.631	mg/L	14:11:59
1	Na 589.592†	99815.4	86255.0	13.4649	mg/L	13.4649	mg/L	14:11:59
1	Sr 407.771†	462334.2	402987.3	0.547147	mg/L	0.547147	mg/L	14:11:54
1	Ti 334.940†	37763.6	32981.8	2.36089	mg/L	2.36089	mg/L	14:11:59
1	Sc 357.234	221228.3	221228.3	109.539	%			14:12:16
1	Ag 328.068†	11724.6	10639.3	0.195595	mg/L	0.195595	mg/L	14:12:16
1	As 188.979†	870.1	822.6	1.36250	mg/L	1.36250	mg/L	14:12:36
1	B 249.677†	5070.3	3821.3	0.242321	mg/L	0.242321	mg/L	14:12:16
1	Be 234.861†	12336.1	12096.7	0.0304706	mg/L	0.0304706	mg/L	14:12:16
1	Cd 214.437†	6738.4	5938.7	0.245907	mg/L	0.245907	mg/L	14:12:36
1	Ce 413.764†	7949.3	6851.5	0.206277	mg/L	0.206277	mg/L	14:12:16

1	Co 228.616†	1694.6	1624.3	0.291216 mg/L	0.291216 mg/L	14:12:36
1	Cr 205.557†	3849.3	3541.9	0.353602 mg/L	0.353602 mg/L	14:12:36
1	Cu 327.397†	13101.5	11783.7	0.368254 mg/L	0.368254 mg/L	14:12:16
1	Mn 257.610†	659263.8	601617.5	4.72415 mg/L	4.72415 mg/L	14:12:16
1	Mo 202.031†	2143.1	1868.3	0.260401 mg/L	0.260401 mg/L	14:12:36
1	Ni 231.604†	4509.4	3677.1	0.343361 mg/L	0.343361 mg/L	14:12:36
1	Pb 220.353†	888.0	838.3	0.495437 mg/L	0.495437 mg/L	14:12:36
1	Sb 217.584†	271.6	295.9	0.552741 mg/L	0.552741 mg/L	14:12:36
1	Se 196.026†	684.1	664.1	1.53725 mg/L	1.53725 mg/L	14:12:36
1	Si 251.611†	34504.6	31220.3	3.00817 mg/L	3.00817 mg/L	14:12:16
1	Sn 189.927†	2428.2	2199.1	1.24170 mg/L	1.24170 mg/L	14:12:36
1	Tl 190.801†	925.2	890.4	1.27735 mg/L	1.27735 mg/L	14:12:36
1	V 292.395†	17656.6	17257.4	0.391701 mg/L	0.391701 mg/L	14:12:16
1	Zn 206.200†	5366.3	4971.8	0.605739 mg/L	0.605739 mg/L	14:12:36
2	Y 360.076	163939.2	163939.2	114.433 %		14:12:10
2	Al 396.153†	173696.6	151614.9	51.1023 mg/L	51.1023 mg/L	14:12:10
2	Ba 455.398†	248916.7	217515.1	0.778902 mg/L	0.778902 mg/L	14:12:05
2	Ca 315.887†	377375.7	329647.0	247.748 mg/L	247.748 mg/L	14:12:10
2	Fe 238.204†	248984.0	217537.4	103.778 mg/L	103.778 mg/L	14:12:10
2	K 766.490	12004.5	11991.3	19.2815 mg/L	19.2815 mg/L	14:12:10
2	Li 670.784†	12528.4	10961.5	0.323289 mg/L	0.323289 mg/L	14:12:10
2	Mg 279.071†	51906.5	45344.6	104.801 mg/L	104.801 mg/L	14:12:10
2	Na 589.592†	98911.5	85527.6	13.3513 mg/L	13.3513 mg/L	14:12:10
2	Sr 407.771†	463469.1	404268.5	0.548890 mg/L	0.548890 mg/L	14:12:05
2	Ti 334.940†	37354.1	32647.7	2.33697 mg/L	2.33697 mg/L	14:12:10
2	Sc 357.234	222564.2	222564.2	110.200 %		14:12:42
2	Ag 328.068†	11691.0	10544.6	0.193880 mg/L	0.193880 mg/L	14:12:42
2	As 188.979†	881.4	828.1	1.37187 mg/L	1.37187 mg/L	14:13:02
2	B 249.677†	5118.5	3837.3	0.243229 mg/L	0.243229 mg/L	14:12:42
2	Be 234.861†	12361.3	12052.0	0.0305097 mg/L	0.0305097 mg/L	14:12:42
2	Cd 214.437†	6745.8	5908.5	0.244714 mg/L	0.244714 mg/L	14:13:02
2	Ce 413.764†	8023.8	6875.6	0.207013 mg/L	0.207013 mg/L	14:12:42
2	Co 228.616†	1700.8	1620.7	0.290625 mg/L	0.290625 mg/L	14:13:02
2	Cr 205.557†	3850.8	3522.2	0.351604 mg/L	0.351604 mg/L	14:13:02
2	Cu 327.397†	13167.9	11772.2	0.367877 mg/L	0.367877 mg/L	14:12:42
2	Mn 257.610†	662361.9	600816.3	4.71783 mg/L	4.71783 mg/L	14:12:42
2	Mo 202.031†	2142.2	1855.8	0.258642 mg/L	0.258642 mg/L	14:13:02
2	Ni 231.604†	4514.8	3657.4	0.341511 mg/L	0.341511 mg/L	14:13:02
2	Pb 220.353†	873.0	819.8	0.484470 mg/L	0.484470 mg/L	14:13:02
2	Sb 217.584†	258.2	282.2	0.538927 mg/L	0.538927 mg/L	14:13:02
2	Se 196.026†	686.5	662.6	1.53298 mg/L	1.53298 mg/L	14:13:02
2	Si 251.611†	34587.2	31106.1	2.99740 mg/L	2.99740 mg/L	14:12:42
2	Sn 189.927†	2436.5	2193.3	1.23809 mg/L	1.23809 mg/L	14:13:02
2	Tl 190.801†	936.8	895.9	1.28485 mg/L	1.28485 mg/L	14:13:02
2	V 292.395†	17738.9	17235.3	0.391324 mg/L	0.391324 mg/L	14:12:42
2	Zn 206.200†	5396.8	4970.0	0.605601 mg/L	0.605601 mg/L	14:13:02

Mean Data: 1000787-MS1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	221896.3	109.869	%	0.4677				0.43%
Y 360.076	163997.9	114.474	%	0.0580				0.05%
Ag 328.068†	10591.9	0.194738	mg/L	0.0012127	0.194738	mg/L	0.0012127	0.62%
Al 396.153†	152291.1	51.3304	mg/L	0.32245	51.3304	mg/L	0.32245	0.63%
As 188.979†	825.3	1.36719	mg/L	0.006631	1.36719	mg/L	0.006631	0.49%
B 249.677†	3829.3	0.242775	mg/L	0.0006422	0.242775	mg/L	0.0006422	0.26%
Ba 455.398†	217070.1	0.777306	mg/L	0.0022564	0.777306	mg/L	0.0022564	0.29%
Be 234.861†	12074.4	0.0304901	mg/L	0.00002765	0.0304901	mg/L	0.00002765	0.09%
Ca 315.887†	331145.3	248.875	mg/L	1.5925	248.875	mg/L	1.5925	0.64%
Cd 214.437†	5923.6	0.245311	mg/L	0.0008433	0.245311	mg/L	0.0008433	0.34%
Ce 413.764†	6863.6	0.206645	mg/L	0.0005205	0.206645	mg/L	0.0005205	0.25%
Co 228.616†	1622.5	0.290921	mg/L	0.0004172	0.290921	mg/L	0.0004172	0.14%
Cr 205.557†	3532.1	0.352603	mg/L	0.0014127	0.352603	mg/L	0.0014127	0.40%
Cu 327.397†	11777.9	0.368065	mg/L	0.0002667	0.368065	mg/L	0.0002667	0.07%
Fe 238.204†	218411.9	104.196	mg/L	0.5900	104.196	mg/L	0.5900	0.57%
K 766.490	12062.9	19.3967	mg/L	0.16287	19.3967	mg/L	0.16287	0.84%
Li 670.784†	11001.6	0.324474	mg/L	0.0016761	0.324474	mg/L	0.0016761	0.52%
Mg 279.071†	45524.2	105.216	mg/L	0.5871	105.216	mg/L	0.5871	0.56%
Mn 257.610†	601216.9	4.72099	mg/L	0.004468	4.72099	mg/L	0.004468	0.09%
Mo 202.031†	1862.1	0.259522	mg/L	0.0012440	0.259522	mg/L	0.0012440	0.48%

Na 589.592†	85891.3	13.4081 mg/L	0.08036	13.4081 mg/L	0.08036	0.60%
Ni 231.604†	3667.2	0.342436 mg/L	0.0013087	0.342436 mg/L	0.0013087	0.38%
Pb 220.353†	829.1	0.489954 mg/L	0.0077550	0.489954 mg/L	0.0077550	1.58%
Sb 217.584†	289.1	0.545834 mg/L	0.0097680	0.545834 mg/L	0.0097680	1.79%
Se 196.026†	663.4	1.53511 mg/L	0.003013	1.53511 mg/L	0.003013	0.20%
Si 251.611†	31163.2	3.00279 mg/L	0.007614	3.00279 mg/L	0.007614	0.25%
Sn 189.927†	2196.2	1.23990 mg/L	0.002555	1.23990 mg/L	0.002555	0.21%
Sr 407.771†	403627.9	0.548019 mg/L	0.0012325	0.548019 mg/L	0.0012325	0.22%
Ti 334.940†	32814.8	2.34893 mg/L	0.016914	2.34893 mg/L	0.016914	0.72%
Tl 190.801†	893.1	1.28110 mg/L	0.005299	1.28110 mg/L	0.005299	0.41%
V 292.395†	17246.4	0.391513 mg/L	0.0002663	0.391513 mg/L	0.0002663	0.07%
Zn 206.200†	4970.9	0.605670 mg/L	0.0000977	0.605670 mg/L	0.0000977	0.02%

Sequence No.: 41
Sample ID: 1000787-MSD1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 39
Date Collected: 2/5/2010 2:15:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000787-MSD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	163433.3	163433.3	114.080	%			14:17:08
1	Al 396.153†	169291.6	148223.4	49.9970	mg/L	49.9970	mg/L	14:17:08
1	Ba 455.398†	225602.9	197752.0	0.708038	mg/L	0.708038	mg/L	14:17:03
1	Ca 315.887†	624349.1	547159.2	411.230	mg/L	411.230	mg/L	14:17:03
1	Fe 238.204†	254714.2	223233.8	106.496	mg/L	106.496	mg/L	14:17:08
1	K 766.490	11761.9	11748.7	18.8911	mg/L	18.8911	mg/L	14:17:08
1	Li 670.784†	12515.3	10984.0	0.323952	mg/L	0.323952	mg/L	14:17:08
1	Mg 279.071†	52152.7	45700.8	105.624	mg/L	105.624	mg/L	14:17:08
1	Na 589.592†	98591.6	85514.7	13.3493	mg/L	13.3493	mg/L	14:17:08
1	Sr 407.771†	504254.9	441273.9	0.599235	mg/L	0.599235	mg/L	14:17:03
1	Ti 334.940†	35496.1	31120.0	2.22762	mg/L	2.22762	mg/L	14:17:08
1	Sc 357.234	220998.3	220998.3	109.425	%			14:17:25
1	Ag 328.068†	11731.8	10657.0	0.197689	mg/L	0.197689	mg/L	14:17:45
1	As 188.979†	855.6	810.2	1.34278	mg/L	1.34278	mg/L	14:17:45
1	B 249.677†	5100.7	3854.0	0.244631	mg/L	0.244631	mg/L	14:17:45
1	Be 234.861†	12480.9	12240.8	0.0306371	mg/L	0.0306371	mg/L	14:17:25
1	Cd 214.437†	6559.5	5781.6	0.238505	mg/L	0.238505	mg/L	14:17:45
1	Ce 413.764†	5779.8	4876.5	0.146633	mg/L	0.146633	mg/L	14:17:25
1	Co 228.616†	1669.9	1603.4	0.287555	mg/L	0.287555	mg/L	14:17:45
1	Cr 205.557†	3667.8	3379.7	0.337718	mg/L	0.337718	mg/L	14:17:45
1	Cu 327.397†	12972.8	11678.6	0.364862	mg/L	0.364862	mg/L	14:17:45
1	Mn 257.610†	727976.5	665038.2	5.22196	mg/L	5.22196	mg/L	14:17:25
1	Mo 202.031†	2109.5	1839.6	0.256376	mg/L	0.256376	mg/L	14:17:45
1	Ni 231.604†	4504.6	3677.0	0.343358	mg/L	0.343358	mg/L	14:17:45
1	Pb 220.353†	806.2	764.4	0.451636	mg/L	0.451636	mg/L	14:17:45
1	Sb 217.584†	237.3	264.8	0.532765	mg/L	0.532765	mg/L	14:17:45
1	Se 196.026†	685.3	665.9	1.54292	mg/L	1.54292	mg/L	14:17:45
1	Si 251.611†	33703.5	30520.9	2.94366	mg/L	2.94366	mg/L	14:17:45
1	Sn 189.927†	2327.0	2109.0	1.22817	mg/L	1.22817	mg/L	14:17:45
1	Tl 190.801†	923.7	889.8	1.27488	mg/L	1.27488	mg/L	14:17:45
1	V 292.395†	17482.3	17114.9	0.388021	mg/L	0.388021	mg/L	14:17:45
1	Zn 206.200†	4837.2	4493.3	0.546195	mg/L	0.546195	mg/L	14:17:45
2	Y 360.076	159357.3	159357.3	111.235	%			14:17:19
2	Al 396.153†	169768.7	152448.0	51.4235	mg/L	51.4235	mg/L	14:17:19
2	Ba 455.398†	228154.8	205104.3	0.734401	mg/L	0.734401	mg/L	14:17:14
2	Ca 315.887†	631963.7	568003.2	426.896	mg/L	426.896	mg/L	14:17:14
2	Fe 238.204†	255613.6	229753.3	109.606	mg/L	109.606	mg/L	14:17:19
2	K 766.490	11779.2	11766.0	18.9189	mg/L	18.9189	mg/L	14:17:19
2	Li 670.784†	12541.6	11288.2	0.332955	mg/L	0.332955	mg/L	14:17:19
2	Mg 279.071†	52292.8	46996.1	108.619	mg/L	108.619	mg/L	14:17:19
2	Na 589.592†	98633.5	87762.9	13.7005	mg/L	13.7005	mg/L	14:17:19
2	Sr 407.771†	509675.3	457452.7	0.621246	mg/L	0.621246	mg/L	14:17:14
2	Ti 334.940†	35654.3	32058.1	2.29477	mg/L	2.29477	mg/L	14:17:19
2	Sc 357.234	219518.5	219518.5	108.692	%			14:17:50
2	Ag 328.068†	11745.0	10741.5	0.199696	mg/L	0.199696	mg/L	14:18:10
2	As 188.979†	869.5	828.2	1.37278	mg/L	1.37278	mg/L	14:18:10
2	B 249.677†	5148.5	3929.4	0.249564	mg/L	0.249564	mg/L	14:18:10

2	Be 234.861†	12396.0	12239.6	0.0295748 mg/L	0.0295748 mg/L	14:17:50
2	Cd 214.437†	6589.3	5849.3	0.240928 mg/L	0.240928 mg/L	14:18:10
2	Ce 413.764†	5810.1	4939.9	0.148525 mg/L	0.148525 mg/L	14:17:50
2	Co 228.616†	1683.2	1625.9	0.291473 mg/L	0.291473 mg/L	14:18:10
2	Cr 205.557†	3668.4	3402.9	0.340195 mg/L	0.340195 mg/L	14:18:10
2	Cu 327.397†	13001.9	11785.3	0.368263 mg/L	0.368263 mg/L	14:18:10
2	Mn 257.610†	723598.9	665495.5	5.22567 mg/L	5.22567 mg/L	14:17:50
2	Mo 202.031†	2131.0	1872.4	0.260972 mg/L	0.260972 mg/L	14:18:10
2	Ni 231.604†	4489.9	3691.3	0.344698 mg/L	0.344698 mg/L	14:18:10
2	Pb 220.353†	810.2	773.0	0.456807 mg/L	0.456807 mg/L	14:18:10
2	Sb 217.584†	243.7	272.2	0.548133 mg/L	0.548133 mg/L	14:18:10
2	Se 196.026†	661.7	648.4	1.50926 mg/L	1.50926 mg/L	14:18:10
2	Si 251.611†	33754.9	30775.8	2.96766 mg/L	2.96766 mg/L	14:18:10
2	Sn 189.927†	2340.0	2135.2	1.24579 mg/L	1.24579 mg/L	14:18:10
2	Tl 190.801†	911.0	883.9	1.26710 mg/L	1.26710 mg/L	14:18:10
2	V 292.395†	17516.1	17253.7	0.390763 mg/L	0.390763 mg/L	14:18:10
2	Zn 206.200†	4870.8	4554.1	0.553460 mg/L	0.553460 mg/L	14:18:10

Mean Data: 1000787-MSD1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	220258.4	109.058	%	0.5181				0.48%
Y 360.076	161395.3	112.657	%	2.0118				1.79%
Ag 328.068†	10699.2	0.198693	mg/L	0.0014192	0.198693	mg/L	0.0014192	0.71%
Al 396.153†	150335.7	50.7103	mg/L	1.00871	50.7103	mg/L	1.00871	1.99%
As 188.979†	819.2	1.35778	mg/L	0.021214	1.35778	mg/L	0.021214	1.56%
B 249.677†	3891.7	0.247098	mg/L	0.0034884	0.247098	mg/L	0.0034884	1.41%
Ba 455.398†	201428.2	0.721220	mg/L	0.0186414	0.721220	mg/L	0.0186414	2.58%
Be 234.861†	12240.2	0.0301059	mg/L	0.00075114	0.0301059	mg/L	0.00075114	2.50%
Ca 315.887†	557581.2	419.063	mg/L	11.0777	419.063	mg/L	11.0777	2.64%
Cd 214.437†	5815.5	0.239716	mg/L	0.0017131	0.239716	mg/L	0.0017131	0.71%
Ce 413.764†	4908.2	0.147579	mg/L	0.0013379	0.147579	mg/L	0.0013379	0.91%
Co 228.616†	1614.6	0.289514	mg/L	0.0027700	0.289514	mg/L	0.0027700	0.96%
Cr 205.557†	3391.3	0.338956	mg/L	0.0017513	0.338956	mg/L	0.0017513	0.52%
Cu 327.397†	11731.9	0.366563	mg/L	0.0024053	0.366563	mg/L	0.0024053	0.66%
Fe 238.204†	226493.5	108.051	mg/L	2.1993	108.051	mg/L	2.1993	2.04%
K 766.490	11757.3	18.9050	mg/L	0.01967	18.9050	mg/L	0.01967	0.10%
Li 670.784†	11136.1	0.328453	mg/L	0.0063656	0.328453	mg/L	0.0063656	1.94%
Mg 279.071†	46348.5	107.121	mg/L	2.1173	107.121	mg/L	2.1173	1.98%
Mn 257.610†	665266.8	5.22382	mg/L	0.002621	5.22382	mg/L	0.002621	0.05%
Mo 202.031†	1856.0	0.258674	mg/L	0.0032502	0.258674	mg/L	0.0032502	1.26%
Na 589.592†	86638.8	13.5249	mg/L	0.24837	13.5249	mg/L	0.24837	1.84%
Ni 231.604†	3684.1	0.344028	mg/L	0.0009475	0.344028	mg/L	0.0009475	0.28%
Pb 220.353†	768.7	0.454221	mg/L	0.0036564	0.454221	mg/L	0.0036564	0.80%
Sb 217.584†	268.5	0.540449	mg/L	0.0108670	0.540449	mg/L	0.0108670	2.01%
Se 196.026†	657.1	1.52609	mg/L	0.023799	1.52609	mg/L	0.023799	1.56%
Si 251.611†	30648.4	2.95566	mg/L	0.016967	2.95566	mg/L	0.016967	0.57%
Sn 189.927†	2122.1	1.23698	mg/L	0.012460	1.23698	mg/L	0.012460	1.01%
Sr 407.771†	449363.3	0.610240	mg/L	0.0155639	0.610240	mg/L	0.0155639	2.55%
Ti 334.940†	31589.1	2.26119	mg/L	0.047481	2.26119	mg/L	0.047481	2.10%
Tl 190.801†	886.9	1.27099	mg/L	0.005502	1.27099	mg/L	0.005502	0.43%
V 292.395†	17184.3	0.389392	mg/L	0.0019385	0.389392	mg/L	0.0019385	0.50%
Zn 206.200†	4523.7	0.549827	mg/L	0.0051371	0.549827	mg/L	0.0051371	0.93%

Sequence No.: 42
Sample ID: 0B02016-SRD1
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 40
Date Collected: 2/5/2010 2:21:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B02016-SRD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	160966.7	160966.7	112.358	%			14:22:08
1	Al 396.153†	25889.7	22868.2	7.69240	mg/L	38.4620	mg/L	14:22:13
1	Ba 455.398†	29438.8	26194.2	0.0928912	mg/L	0.464456	mg/L	14:22:13
1	Ca 315.887†	65485.8	58151.4	43.6934	mg/L	218.467	mg/L	14:22:13
1	Fe 238.204†	52375.8	46571.9	22.2174	mg/L	111.087	mg/L	14:22:13

1	K 766.490	498.8	485.6	0.766413 mg/L	3.83206 mg/L	14:22:13
1	Li 670.784†	418.7	385.9	0.0103382 mg/L	0.0516910 mg/L	14:22:13
1	Mg 279.071†	8557.4	7601.1	17.5500 mg/L	87.7499 mg/L	14:22:13
1	Na 589.592†	1444.2	376.8	0.0477008 mg/L	0.238504 mg/L	14:22:13
1	Sr 407.771†	44094.0	38499.2	0.0512744 mg/L	0.256372 mg/L	14:22:13
1	Ti 334.940†	6171.6	5497.7	0.393580 mg/L	1.96790 mg/L	14:22:13
1	Sc 357.234	223551.5	223551.5	110.689 %		14:22:30
1	Ag 328.068†	-898.0	-875.6	-0.0110312 mg/L	-0.0551558 mg/L	14:22:30
1	As 188.979†	-21.1	9.2	0.0044735 mg/L	0.0223674 mg/L	14:22:50
1	B 249.677†	491.7	-363.2	-0.0226166 mg/L	-0.113083 mg/L	14:22:50
1	Be 234.861†	925.8	1671.3	0.0014235 mg/L	0.0071174 mg/L	14:22:30
1	Cd 214.437†	273.5	34.2	-0.0043851 mg/L	-0.0219253 mg/L	14:22:50
1	Ce 413.764†	1357.6	821.0	0.0246742 mg/L	0.123371 mg/L	14:22:30
1	Co 228.616†	-19.2	60.0	0.0082437 mg/L	0.0412183 mg/L	14:22:50
1	Cr 205.557†	133.7	148.6	0.0140348 mg/L	0.0701742 mg/L	14:22:50
1	Cu 327.397†	908.6	643.9	0.0161530 mg/L	0.0807651 mg/L	14:22:30
1	Mn 257.610†	119841.0	108031.0	0.847246 mg/L	4.23623 mg/L	14:22:30
1	Mo 202.031†	137.2	35.8	0.0038054 mg/L	0.0190270 mg/L	14:22:50
1	Ni 231.604†	650.1	147.7	0.0127186 mg/L	0.0635932 mg/L	14:22:50
1	Pb 220.353†	48.2	71.1	0.0407900 mg/L	0.203950 mg/L	14:22:50
1	Sb 217.584†	-167.3	-103.2	-0.0243939 mg/L	-0.121969 mg/L	14:22:50
1	Se 196.026†	-36.0	7.1	0.0348600 mg/L	0.174300 mg/L	14:22:50
1	Si 251.611†	5328.8	4534.6	0.425395 mg/L	2.12697 mg/L	14:22:50
1	Sn 189.927†	-75.3	-85.7	-0.0380062 mg/L	-0.190031 mg/L	14:22:50
1	Tl 190.801†	-53.5	-2.6	-0.0014423 mg/L	-0.0072116 mg/L	14:22:50
1	V 292.395†	385.4	1486.5	0.0300180 mg/L	0.150090 mg/L	14:22:50
1	Zn 206.200†	530.6	552.1	0.0643959 mg/L	0.321979 mg/L	14:22:50
2	Y 360.076	158676.4	158676.4	110.760 %		14:22:18
2	Al 396.153†	25833.7	23150.2	7.78753 mg/L	38.9376 mg/L	14:22:24
2	Ba 455.398†	29466.9	26597.8	0.0943382 mg/L	0.471691 mg/L	14:22:24
2	Ca 315.887†	65498.1	59003.8	44.3340 mg/L	221.670 mg/L	14:22:24
2	Fe 238.204†	52390.2	47257.7	22.5447 mg/L	112.723 mg/L	14:22:24
2	K 766.490	458.6	445.4	0.701742 mg/L	3.50871 mg/L	14:22:24
2	Li 670.784†	419.0	391.6	0.0105059 mg/L	0.0525297 mg/L	14:22:24
2	Mg 279.071†	8579.2	7730.7	17.8495 mg/L	89.2477 mg/L	14:22:24
2	Na 589.592†	1516.6	460.7	0.0608004 mg/L	0.304002 mg/L	14:22:24
2	Sr 407.771†	44114.3	39084.0	0.0520700 mg/L	0.260350 mg/L	14:22:24
2	Ti 334.940†	6144.4	5552.4	0.397494 mg/L	1.98747 mg/L	14:22:24
2	Sc 357.234	220660.5	220660.5	109.258 %		14:22:55
2	Ag 328.068†	-816.2	-811.4	-0.0098938 mg/L	-0.0494691 mg/L	14:22:55
2	As 188.979†	-18.5	11.3	0.0080048 mg/L	0.0400242 mg/L	14:23:15
2	B 249.677†	482.1	-366.2	-0.0227655 mg/L	-0.113828 mg/L	14:23:15
2	Be 234.861†	856.2	1618.5	0.0010240 mg/L	0.0051201 mg/L	14:22:55
2	Cd 214.437†	279.6	43.0	-0.0040518 mg/L	-0.0202591 mg/L	14:23:15
2	Ce 413.764†	1436.6	909.3	0.0273420 mg/L	0.136710 mg/L	14:22:55
2	Co 228.616†	-26.6	53.0	0.0069198 mg/L	0.0345990 mg/L	14:23:15
2	Cr 205.557†	128.0	145.0	0.0136908 mg/L	0.0684539 mg/L	14:23:15
2	Cu 327.397†	878.7	627.4	0.0156343 mg/L	0.0781715 mg/L	14:22:55
2	Mn 257.610†	118810.1	108506.0	0.850986 mg/L	4.25493 mg/L	14:22:55
2	Mo 202.031†	143.1	42.8	0.0047836 mg/L	0.0239178 mg/L	14:23:15
2	Ni 231.604†	647.1	152.7	0.0131873 mg/L	0.0659365 mg/L	14:23:15
2	Pb 220.353†	60.8	83.2	0.0479327 mg/L	0.239664 mg/L	14:23:15
2	Sb 217.584†	-165.6	-103.6	-0.0237494 mg/L	-0.118747 mg/L	14:23:15
2	Se 196.026†	-37.7	5.1	0.0309194 mg/L	0.154597 mg/L	14:23:15
2	Si 251.611†	5314.8	4584.8	0.430296 mg/L	2.15148 mg/L	14:23:15
2	Sn 189.927†	-80.3	-91.1	-0.0407845 mg/L	-0.203923 mg/L	14:23:15
2	Tl 190.801†	-54.8	-4.4	-0.0040186 mg/L	-0.0200929 mg/L	14:23:15
2	V 292.395†	386.3	1491.9	0.0300942 mg/L	0.150471 mg/L	14:23:15
2	Zn 206.200†	536.0	563.4	0.0657648 mg/L	0.328824 mg/L	14:23:15

Mean Data: 0B02016-SRD1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	222106.0	109.973	%	1.0122				0.92%
Y 360.076	159821.6	111.559	%	1.1305				1.01%
Ag 328.068†	-843.5	-0.0104625	mg/L	0.00080423	-0.0523124	mg/L	0.00402114	7.69%
Al 396.153†	23009.2	7.73996	mg/L	0.067269	38.6998	mg/L	0.33634	0.87%
As 188.979†	10.2	0.0062392	mg/L	0.00249705	0.0311958	mg/L	0.01248523	40.02%
B 249.677†	-364.7	-0.0226911	mg/L	0.00010529	-0.113455	mg/L	0.0005265	0.46%
Ba 455.398†	26396.0	0.0936147	mg/L	0.00102319	0.468073	mg/L	0.0051159	1.09%

: 00292

Be 234.861†	1644.9	0.0012238 mg/L	0.00028246	0.0061188 mg/L	0.00141230	23.08%
Ca 315.887†	58577.6	44.0137 mg/L	0.45298	220.069 mg/L	2.2649	1.03%
Cd 214.437†	38.6	-0.0042184 mg/L	0.00023563	-0.0210922 mg/L	0.00117813	5.59%
Ce 413.764†	865.2	0.0260081 mg/L	0.00188643	0.130040 mg/L	0.0094321	7.25%
Co 228.616†	56.5	0.0075817 mg/L	0.00093611	0.0379087 mg/L	0.00468054	12.35%
Cr 205.557†	146.8	0.0138628 mg/L	0.00024329	0.0693140 mg/L	0.00121643	1.75%
Cu 327.397†	635.6	0.0158937 mg/L	0.00036679	0.0794683 mg/L	0.00183397	2.31%
Fe 238.204†	46914.8	22.3810 mg/L	0.23137	111.905 mg/L	1.1569	1.03%
K 766.490	465.5	0.734077 mg/L	0.0457288	3.67039 mg/L	0.228644	6.23%
Li 670.784†	388.7	0.0104221 mg/L	0.00011862	0.0521104 mg/L	0.00059310	1.14%
Mg 279.071†	7665.9	17.6998 mg/L	0.21182	88.4988 mg/L	1.05908	1.20%
Mn 257.610†	108268.5	0.849116 mg/L	0.0026444	4.24558 mg/L	0.013222	0.31%
Mo 202.031†	39.3	0.0042945 mg/L	0.00069167	0.0214724 mg/L	0.00345835	16.11%
Na 589.592†	418.8	0.0542506 mg/L	0.00926285	0.271253 mg/L	0.0463143	17.07%
Ni 231.604†	150.2	0.0129530 mg/L	0.00033138	0.0647649 mg/L	0.00165690	2.56%
Pb 220.353†	77.2	0.0443614 mg/L	0.00505068	0.221807 mg/L	0.0252534	11.39%
Sb 217.584†	-103.4	-0.0240717 mg/L	0.00045569	-0.120358 mg/L	0.0022784	1.89%
Se 196.026†	6.1	0.0328897 mg/L	0.00278644	0.164449 mg/L	0.0139322	8.47%
Si 251.611†	4559.7	0.427845 mg/L	0.0034657	2.13923 mg/L	0.017328	0.81%
Sn 189.927†	-88.4	-0.0393954 mg/L	0.00196461	-0.196977 mg/L	0.0098231	4.99%
Sr 407.771†	38791.6	0.0516722 mg/L	0.00056254	0.258361 mg/L	0.0028127	1.09%
Ti 334.940†	5525.0	0.395537 mg/L	0.0027682	1.97769 mg/L	0.013841	0.70%
Tl 190.801†	-3.5	-0.0027304 mg/L	0.00182170	-0.0136522 mg/L	0.00910848	66.72%
V 292.395†	1489.2	0.0300561 mg/L	0.00005386	0.150281 mg/L	0.0002693	0.18%
Zn 206.200†	557.8	0.0650803 mg/L	0.00096799	0.325402 mg/L	0.0048399	1.49%

Sequence No.: 43
Sample ID: 1000787-PS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 2/5/2010 2:26:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000787-PS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	163979.4	163979.4	114.461	%			14:27:21
1	Al 396.153†	133277.4	116265.1	39.1894	mg/L	39.1894	mg/L	14:27:21
1	Ba 455.398†	222485.8	194370.1	0.695912	mg/L	0.695912	mg/L	14:27:21
1	Ca 315.887†	342527.0	299120.2	224.805	mg/L	224.805	mg/L	14:27:21
1	Fe 238.204†	253831.9	221719.4	105.774	mg/L	105.774	mg/L	14:27:21
1	K 766.490	10957.0	10943.8	17.5959	mg/L	17.5959	mg/L	14:27:21
1	Li 670.784†	11667.8	10207.0	0.300961	mg/L	0.300961	mg/L	14:27:21
1	Mg 279.071†	48293.6	42177.0	97.4784	mg/L	97.4784	mg/L	14:27:21
1	Na 589.592†	94352.6	81523.4	12.7257	mg/L	12.7257	mg/L	14:27:21
1	Sr 407.771†	418607.2	364975.1	0.495433	mg/L	0.495433	mg/L	14:27:16
1	Ti 334.940†	34300.3	29971.6	2.14542	mg/L	2.14542	mg/L	14:27:21
1	Sc 357.234	223641.6	223641.6	110.734	%			14:27:38
1	Ag 328.068†	11581.7	10394.8	0.191003	mg/L	0.191003	mg/L	14:27:38
1	As 188.979†	851.6	797.3	1.32178	mg/L	1.32178	mg/L	14:27:58
1	B 249.677†	4970.4	3681.2	0.233970	mg/L	0.233970	mg/L	14:27:38
1	Be 234.861†	12208.5	11860.0	0.0288709	mg/L	0.0288709	mg/L	14:27:38
1	Cd 214.437†	6487.3	5645.5	0.233228	mg/L	0.233228	mg/L	14:27:58
1	Ce 413.764†	5266.3	4350.4	0.130759	mg/L	0.130759	mg/L	14:27:38
1	Co 228.616†	1642.8	1560.9	0.279876	mg/L	0.279876	mg/L	14:27:58
1	Cr 205.557†	3450.6	3144.0	0.314436	mg/L	0.314436	mg/L	14:27:58
1	Cu 327.397†	12478.1	11091.6	0.346325	mg/L	0.346325	mg/L	14:27:38
1	Mn 257.610†	599145.9	540832.4	4.24713	mg/L	4.24713	mg/L	14:27:38
1	Mo 202.031†	2110.7	1817.9	0.253343	mg/L	0.253343	mg/L	14:27:58
1	Ni 231.604†	4307.4	3450.3	0.322132	mg/L	0.322132	mg/L	14:27:58
1	Pb 220.353†	819.2	767.4	0.453456	mg/L	0.453456	mg/L	14:27:58
1	Sb 217.584†	1016.6	966.0	1.10865	mg/L	1.10865	mg/L	14:27:58
1	Se 196.026†	680.0	653.7	1.51610	mg/L	1.51610	mg/L	14:27:58
1	Si 251.611†	38792.2	34752.3	3.35999	mg/L	3.35999	mg/L	14:27:38
1	Sn 189.927†	2427.4	2174.4	1.22287	mg/L	1.22287	mg/L	14:27:58
1	Tl 190.801†	888.8	848.4	1.21555	mg/L	1.21555	mg/L	14:27:58
1	V 292.395†	17209.4	16679.6	0.377823	mg/L	0.377823	mg/L	14:27:38
1	Zn 206.200†	4940.4	4534.2	0.551817	mg/L	0.551817	mg/L	14:27:58
2	Y 360.076	162665.7	162665.7	113.544	%			14:27:31
2	Al 396.153†	132959.3	116925.3	39.4120	mg/L	39.4120	mg/L	14:27:31

00293

2	Ba 455.398†	221889.5	195414.8	0.699658 mg/L	0.699658 mg/L	14:27:31
2	Ca 315.887†	341535.4	300663.7	225.965 mg/L	225.965 mg/L	14:27:31
2	Fe 238.204†	253357.3	223092.4	106.429 mg/L	106.429 mg/L	14:27:31
2	K 766.490	10984.5	10971.3	17.6401 mg/L	17.6401 mg/L	14:27:31
2	Li 670.784†	11598.9	10228.6	0.301600 mg/L	0.301600 mg/L	14:27:31
2	Mg 279.071†	48160.0	42400.2	97.9942 mg/L	97.9942 mg/L	14:27:31
2	Na 589.592†	94012.8	81889.9	12.7829 mg/L	12.7829 mg/L	14:27:31
2	Sr 407.771†	420563.0	369651.1	0.501795 mg/L	0.501795 mg/L	14:27:26
2	Ti 334.940†	34184.8	30112.0	2.15547 mg/L	2.15547 mg/L	14:27:31
2	Sc 357.234	223435.1	223435.1	110.631 %		14:28:03
2	Ag 328.068†	11574.9	10398.3	0.191162 mg/L	0.191162 mg/L	14:28:03
2	As 188.979†	854.9	801.0	1.32791 mg/L	1.32791 mg/L	14:28:23
2	B 249.677†	5049.6	3756.9	0.238698 mg/L	0.238698 mg/L	14:28:03
2	Be 234.861†	12262.7	11919.2	0.0289732 mg/L	0.0289732 mg/L	14:28:03
2	Cd 214.437†	6466.4	5632.1	0.232485 mg/L	0.232485 mg/L	14:28:23
2	Ce 413.764†	5281.4	4368.4	0.131299 mg/L	0.131299 mg/L	14:28:03
2	Co 228.616†	1631.1	1551.7	0.278122 mg/L	0.278122 mg/L	14:28:23
2	Cr 205.557†	3410.3	3110.4	0.311167 mg/L	0.311167 mg/L	14:28:23
2	Cu 327.397†	12553.7	11170.4	0.348811 mg/L	0.348811 mg/L	14:28:03
2	Mn 257.610†	599357.1	541523.3	4.25258 mg/L	4.25258 mg/L	14:28:03
2	Mo 202.031†	2116.3	1824.7	0.254297 mg/L	0.254297 mg/L	14:28:23
2	Ni 231.604†	4289.1	3437.3	0.320919 mg/L	0.320919 mg/L	14:28:23
2	Pb 220.353†	797.3	748.3	0.442099 mg/L	0.442099 mg/L	14:28:23
2	Sb 217.584†	1015.8	966.1	1.11068 mg/L	1.11068 mg/L	14:28:23
2	Se 196.026†	669.4	644.7	1.49746 mg/L	1.49746 mg/L	14:28:23
2	Si 251.611†	39146.5	35105.0	3.39442 mg/L	3.39442 mg/L	14:28:03
2	Sn 189.927†	2404.7	2156.0	1.21314 mg/L	1.21314 mg/L	14:28:23
2	Tl 190.801†	880.5	841.6	1.20608 mg/L	1.20608 mg/L	14:28:23
2	V 292.395†	17169.1	16657.6	0.377182 mg/L	0.377182 mg/L	14:28:03
2	Zn 206.200†	4916.3	4516.6	0.549572 mg/L	0.549572 mg/L	14:28:23

Mean Data: 1000787-PS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	223538.4	110.683	%	0.0723				0.07%
Y 360.076	163322.6	114.003	%	0.6484				0.57%
Ag 328.068†	10396.5	0.191083	mg/L	0.0001129	0.191083	mg/L	0.0001129	0.06%
Al 396.153†	116595.2	39.3007	mg/L	0.15742	39.3007	mg/L	0.15742	0.40%
As 188.979†	799.2	1.32484	mg/L	0.004331	1.32484	mg/L	0.004331	0.33%
B 249.677†	3719.1	0.236334	mg/L	0.0033426	0.236334	mg/L	0.0033426	1.41%
Ba 455.398†	194892.4	0.697785	mg/L	0.0026487	0.697785	mg/L	0.0026487	0.38%
Be 234.861†	11889.6	0.0289221	mg/L	0.00007229	0.0289221	mg/L	0.00007229	0.25%
Ca 315.887†	299891.9	225.385	mg/L	0.8203	225.385	mg/L	0.8203	0.36%
Cd 214.437†	5638.8	0.232856	mg/L	0.0005260	0.232856	mg/L	0.0005260	0.23%
Ce 413.764†	4359.4	0.131029	mg/L	0.0003816	0.131029	mg/L	0.0003816	0.29%
Co 228.616†	1556.3	0.278999	mg/L	0.0012401	0.278999	mg/L	0.0012401	0.44%
Cr 205.557†	3127.2	0.312801	mg/L	0.0023114	0.312801	mg/L	0.0023114	0.74%
Cu 327.397†	11131.0	0.347568	mg/L	0.0017580	0.347568	mg/L	0.0017580	0.51%
Fe 238.204†	222405.9	106.102	mg/L	0.4632	106.102	mg/L	0.4632	0.44%
K 766.490	10957.6	17.6180	mg/L	0.03124	17.6180	mg/L	0.03124	0.18%
Li 670.784†	10217.8	0.301281	mg/L	0.0004520	0.301281	mg/L	0.0004520	0.15%
Mg 279.071†	42288.6	97.7363	mg/L	0.36470	97.7363	mg/L	0.36470	0.37%
Mn 257.610†	541177.8	4.24986	mg/L	0.003852	4.24986	mg/L	0.003852	0.09%
Mo 202.031†	1821.3	0.253820	mg/L	0.0006743	0.253820	mg/L	0.0006743	0.27%
Na 589.592†	81706.7	12.7543	mg/L	0.04048	12.7543	mg/L	0.04048	0.32%
Ni 231.604†	3443.8	0.321526	mg/L	0.0008577	0.321526	mg/L	0.0008577	0.27%
Pb 220.353†	757.8	0.447778	mg/L	0.0080309	0.447778	mg/L	0.0080309	1.79%
Sb 217.584†	966.1	1.10966	mg/L	0.001439	1.10966	mg/L	0.001439	0.13%
Se 196.026†	649.2	1.50678	mg/L	0.013178	1.50678	mg/L	0.013178	0.87%
Si 251.611†	34928.7	3.37721	mg/L	0.024351	3.37721	mg/L	0.024351	0.72%
Sn 189.927†	2165.2	1.21801	mg/L	0.006879	1.21801	mg/L	0.006879	0.56%
Sr 407.771†	367313.1	0.498614	mg/L	0.0044983	0.498614	mg/L	0.0044983	0.90%
Ti 334.940†	30041.8	2.15044	mg/L	0.007104	2.15044	mg/L	0.007104	0.33%
Tl 190.801†	845.0	1.21082	mg/L	0.006696	1.21082	mg/L	0.006696	0.55%
V 292.395†	16668.6	0.377502	mg/L	0.0004532	0.377502	mg/L	0.0004532	0.12%
Zn 206.200†	4525.4	0.550695	mg/L	0.0015876	0.550695	mg/L	0.0015876	0.29%

User canceled analysis.

==========

Analysis Begun

Start Time: 2/5/2010 2:32:22 PM **Plasma On Time: 2/5/2010 7:06:19 AM**
Logged In Analyst: analystME **Technique: ICP Continuous**
Spectrometer Model: Optima 5300 DV, S/N 077C7032601 **Autosampler Model: AS-93plus**

Sample Information File: C:\pe\analystME\Sample Information\0B02016.sif
Batch ID:
Results Data Set: 0B02016A
Results Library: C:\pe\analystME\Results\Results.mdb

==========

Sequence No.: 1 **Autosampler Location: 9**
Sample ID: 0B02016-SCV **Date Collected: 2/5/2010 2:32:23 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
User canceled analysis.

==========

Analysis Begun

Start Time: 2/5/2010 2:32:51 PM **Plasma On Time: 2/5/2010 7:06:19 AM**
Logged In Analyst: analystME **Technique: ICP Continuous**
Spectrometer Model: Optima 5300 DV, S/N 077C7032601 **Autosampler Model: AS-93plus**

Sample Information File: C:\pe\analystME\Sample Information\0B02016.sif
Batch ID:
Results Data Set: 0B02016A
Results Library: C:\pe\analystME\Results\Results.mdb

==========

Sequence No.: 39 **Autosampler Location: 42**
Sample ID: 1001350-11 **Date Collected: 2/5/2010 2:32:51 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 100X **Sample Prep Vol:**

Replicate Data: 1001350-11

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	160231.4	160231.4	111.845	%			14:33:56
1	Al 396.153†	2393.6	1966.2	0.641863	mg/L	64.1863	mg/L	14:33:56
1	Ba 455.398†	3999.9	3569.7	0.0117675	mg/L	1.17675	mg/L	14:33:56
1	Ca 315.887†	515.7	329.5	0.234642	mg/L	23.4642	mg/L	14:34:16
1	Fe 238.204†	12686.3	11299.7	5.39032	mg/L	539.032	mg/L	14:33:56
1	K 766.490	48.6	35.5	0.0420668	mg/L	4.20668	mg/L	14:33:56
1	Li 670.784†	36.5	45.9	0.0002771	mg/L	0.0277141	mg/L	14:33:56
1	Mg 279.071†	140.4	110.4	0.233896	mg/L	23.3896	mg/L	14:34:16
1	Na 589.592†	714.8	-269.5	-0.0532782	mg/L	-5.32782	mg/L	14:33:56
1	Sr 407.771†	1499.7	596.0	-0.0002916	mg/L	-0.0291623	mg/L	14:33:56
1	Ti 334.940†	346.3	314.5	0.0225725	mg/L	2.25725	mg/L	14:34:16
1	Sc 357.234	223982.5	223982.5	110.902	%			14:34:48
1	Ag 328.068†	-125.6	-177.5	-0.0021780	mg/L	-0.217802	mg/L	14:34:48
1	As 188.979†	-23.8	6.8	0.0030752	mg/L	0.307515	mg/L	14:35:08
1	B 249.677†	420.3	-428.5	-0.0282573	mg/L	-2.82573	mg/L	14:35:08
1	Be 234.861†	-471.5	409.7	0.0002256	mg/L	0.0225638	mg/L	14:34:48
1	Cd 214.437†	216.6	-17.7	-0.0032279	mg/L	-0.322795	mg/L	14:35:08
1	Ce 413.764†	414.6	-31.7	-0.0009650	mg/L	-0.0965035	mg/L	14:34:48
1	Co 228.616†	-80.9	4.4	-0.0006441	mg/L	-0.0644124	mg/L	14:35:08
1	Cr 205.557†	-7.6	21.0	0.0004161	mg/L	0.0416106	mg/L	14:35:08
1	Cu 327.397†	193.8	-2.1	-0.0044262	mg/L	-0.442620	mg/L	14:34:48
1	Mn 257.610†	33360.3	29843.6	0.232977	mg/L	23.2977	mg/L	14:34:48
1	Mo 202.031†	90.9	-6.2	-0.0020743	mg/L	-0.207428	mg/L	14:35:08
1	Ni 231.604†	440.4	-42.5	-0.0050904	mg/L	-0.509037	mg/L	14:35:08
1	Pb 220.353†	-24.1	5.9	0.0019547	mg/L	0.195475	mg/L	14:35:08
1	Sb 217.584†	-81.7	-25.7	-0.0110860	mg/L	-1.10860	mg/L	14:35:08
1	Se 196.026†	-35.8	7.3	0.0153292	mg/L	1.53292	mg/L	14:35:08

1	Si 251.611†	463.6	138.3	0.0003017 mg/L	0.0301659 mg/L	14:35:08
1	Sn 189.927†	11.3	-7.4	-0.0051780 mg/L	-0.517800 mg/L	14:35:08
1	Tl 190.801†	-49.3	1.3	0.0003259 mg/L	0.0325889 mg/L	14:35:08
1	V 292.395†	-989.8	245.9	0.0037444 mg/L	0.374444 mg/L	14:34:48
1	Zn 206.200†	-24.0	51.1	0.0037009 mg/L	0.370094 mg/L	14:35:08
2	Y 360.076	161078.8	161078.8	112.436 %		14:34:21
2	Al 396.153†	2398.5	1959.3	0.639526 mg/L	63.9526 mg/L	14:34:21
2	Ba 455.398†	4054.3	3599.2	0.0118733 mg/L	1.18733 mg/L	14:34:21
2	Ca 315.887†	519.6	330.5	0.235402 mg/L	23.5402 mg/L	14:34:41
2	Fe 238.204†	12828.1	11366.0	5.42200 mg/L	542.200 mg/L	14:34:21
2	K 766.490	-2.4	-15.5	-0.0400255 mg/L	-4.00255 mg/L	14:34:21
2	Li 670.784†	11.9	23.9	-0.0003753 mg/L	-0.0375349 mg/L	14:34:21
2	Mg 279.071†	140.2	109.6	0.232053 mg/L	23.2053 mg/L	14:34:41
2	Na 589.592†	690.5	-294.4	-0.0571747 mg/L	-5.71747 mg/L	14:34:21
2	Sr 407.771†	1497.4	586.9	-0.0003040 mg/L	-0.0303950 mg/L	14:34:21
2	Ti 334.940†	352.5	318.4	0.0228505 mg/L	2.28505 mg/L	14:34:41
2	Sc 357.234	224194.3	224194.3	111.007 %		14:35:13
2	Ag 328.068†	-146.9	-196.7	-0.0025042 mg/L	-0.250415 mg/L	14:35:13
2	As 188.979†	-28.5	2.6	-0.0039457 mg/L	-0.394565 mg/L	14:35:33
2	B 249.677†	407.1	-440.7	-0.0290114 mg/L	-2.90114 mg/L	14:35:33
2	Be 234.861†	-437.5	440.7	0.0003849 mg/L	0.0384875 mg/L	14:35:13
2	Cd 214.437†	214.8	-19.4	-0.0033146 mg/L	-0.331456 mg/L	14:35:33
2	Ce 413.764†	332.9	-105.6	-0.0031991 mg/L	-0.319914 mg/L	14:35:13
2	Co 228.616†	-73.5	11.1	0.0006012 mg/L	0.0601247 mg/L	14:35:33
2	Cr 205.557†	-11.2	17.8	0.0001034 mg/L	0.0103426 mg/L	14:35:33
2	Cu 327.397†	188.4	-7.2	-0.0045850 mg/L	-0.458497 mg/L	14:35:13
2	Mn 257.610†	33456.7	29902.0	0.233436 mg/L	23.3436 mg/L	14:35:13
2	Mo 202.031†	92.4	-4.9	-0.0018969 mg/L	-0.189692 mg/L	14:35:33
2	Ni 231.604†	445.2	-38.5	-0.0047212 mg/L	-0.472120 mg/L	14:35:33
2	Pb 220.353†	-15.5	13.6	0.0065305 mg/L	0.653054 mg/L	14:35:33
2	Sb 217.584†	-76.7	-21.1	-0.0071797 mg/L	-0.717969 mg/L	14:35:33
2	Se 196.026†	-32.4	10.4	0.0220668 mg/L	2.20668 mg/L	14:35:33
2	Si 251.611†	474.6	147.9	0.0012337 mg/L	0.123372 mg/L	14:35:33
2	Sn 189.927†	6.8	-11.5	-0.0073820 mg/L	-0.738200 mg/L	14:35:33
2	Tl 190.801†	-46.1	4.2	0.0044013 mg/L	0.440131 mg/L	14:35:33
2	V 292.395†	-937.3	294.0	0.0048867 mg/L	0.488672 mg/L	14:35:13
2	Zn 206.200†	-24.9	50.3	0.0036076 mg/L	0.360757 mg/L	14:35:33

Mean Data: 1001350-11

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	224088.4	110.955	%	0.0742				0.07%
Y 360.076	160655.1	112.141	%	0.4182				0.37%
Ag 328.068†	-187.1	-0.0023411	mg/L	0.00023061	-0.234109	mg/L	0.0230612	9.85%
Al 396.153†	1962.8	0.640694	mg/L	0.0016520	64.0694	mg/L	0.16520	0.26%
As 188.979†	4.7	-0.0004353	mg/L	0.00496446	-0.0435251	mg/L	0.49644600	>999.9%
B 249.677†	-434.6	-0.0286343	mg/L	0.00053319	-2.86343	mg/L	0.053319	1.86%
Ba 455.398†	3584.5	0.0118204	mg/L	0.00007485	1.18204	mg/L	0.007485	0.63%
Be 234.861†	425.2	0.0003053	mg/L	0.00011260	0.0305257	mg/L	0.01125974	36.89%
Ca 315.887†	330.0	0.235022	mg/L	0.0005376	23.5022	mg/L	0.05376	0.23%
Cd 214.437†	-18.5	-0.0032713	mg/L	0.00006124	-0.327125	mg/L	0.0061245	1.87%
Ce 413.764†	-68.6	-0.0020821	mg/L	0.00157975	-0.208209	mg/L	0.1579750	75.87%
Co 228.616†	7.8	-0.0000214	mg/L	0.00088061	-0.0021438	mg/L	0.08806103	>999.9%
Cr 205.557†	19.4	0.0002598	mg/L	0.00022110	0.0259766	mg/L	0.02210982	85.11%
Cu 327.397†	-4.7	-0.0045056	mg/L	0.00011227	-0.450558	mg/L	0.0112267	2.49%
Fe 238.204†	11332.9	5.40616	mg/L	0.022397	540.616	mg/L	2.2397	0.41%
K 766.490	10.0	0.0010206	mg/L	0.05804807	0.102064	mg/L	5.8048066	>999.9%
Li 670.784†	34.9	-0.0000491	mg/L	0.00046138	-0.0049104	mg/L	0.04613796	939.60%
Mg 279.071†	110.0	0.232975	mg/L	0.0013034	23.2975	mg/L	0.13034	0.56%
Mn 257.610†	29872.8	0.233207	mg/L	0.0003249	23.3207	mg/L	0.03249	0.14%
Mo 202.031†	-5.6	-0.0019856	mg/L	0.00012541	-0.198560	mg/L	0.0125414	6.32%
Na 589.592†	-282.0	-0.0552265	mg/L	0.00275521	-5.52265	mg/L	0.275521	4.99%
Ni 231.604†	-40.5	-0.0049058	mg/L	0.00026104	-0.490579	mg/L	0.0261044	5.32%
Pb 220.353†	9.7	0.0042426	mg/L	0.00323557	0.424264	mg/L	0.3235572	76.26%
Sb 217.584†	-23.4	-0.0091328	mg/L	0.00276218	-0.913284	mg/L	0.2762177	30.24%
Se 196.026†	8.9	0.0186980	mg/L	0.00476416	1.86980	mg/L	0.476416	25.48%
Si 251.611†	143.1	0.0007677	mg/L	0.00065906	0.0767687	mg/L	0.06590642	85.85%
Sn 189.927†	-9.5	-0.0062800	mg/L	0.00155847	-0.628000	mg/L	0.1558468	24.82%
Sr 407.771†	591.4	-0.0002978	mg/L	0.00000872	-0.0297787	mg/L	0.00087167	2.93%
Ti 334.940†	316.5	0.0227115	mg/L	0.00019662	2.27115	mg/L	0.019662	0.87%

Tl 190.801†	2.8	0.0023636 mg/L	0.00288176	0.236360 mg/L	0.2881756	121.92%
V 292.395†	270.0	0.0043156 mg/L	0.00080772	0.431558 mg/L	0.0807716	18.72%
Zn 206.200†	50.7	0.0036543 mg/L	0.00006603	0.365425 mg/L	0.0066028	1.81%

Sequence No.: 40
Sample ID: 1001350-16
Analyst:
Initial Sample Wt:
Dilution: 200X

Autosampler Location: 43
Date Collected: 2/5/2010 2:36:49 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001350-16

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	158479.9	158479.9	110.622	%			14:37:55
1	Al 396.153†	817.8	565.4	0.170195	mg/L	34.0391	mg/L	14:38:15
1	Ba 455.398†	704.2	630.0	0.0012266	mg/L	0.245328	mg/L	14:37:55
1	Ca 315.887†	1744.6	1445.4	1.07339	mg/L	214.677	mg/L	14:38:15
1	Fe 238.204†	1362.1	1188.2	0.566228	mg/L	113.246	mg/L	14:38:15
1	K 766.490	-28.8	-42.0	-0.0826066	mg/L	-16.5213	mg/L	14:37:55
1	Li 670.784†	17.7	29.3	-0.0002139	mg/L	-0.0427746	mg/L	14:37:55
1	Mg 279.071†	230.5	193.2	0.425339	mg/L	85.0679	mg/L	14:38:15
1	Na 589.592†	718.6	-259.0	-0.0516357	mg/L	-10.3271	mg/L	14:37:55
1	Sr 407.771†	1937.6	1006.6	0.0002671	mg/L	0.0534109	mg/L	14:37:55
1	Ti 334.940†	146.0	136.8	0.0098516	mg/L	1.97032	mg/L	14:38:15
1	Sc 357.234	222230.2	222230.2	110.035	%			14:38:46
1	Ag 328.068†	37.2	-30.5	-0.0003487	mg/L	-0.0697477	mg/L	14:38:46
1	As 188.979†	-33.1	-1.9	-0.0114288	mg/L	-2.28577	mg/L	14:39:06
1	B 249.677†	398.5	-445.3	-0.0298274	mg/L	-5.96548	mg/L	14:39:06
1	Be 234.861†	-778.6	127.3	0.0003052	mg/L	0.0610377	mg/L	14:39:06
1	Cd 214.437†	193.6	-37.0	-0.0031943	mg/L	-0.638855	mg/L	14:39:06
1	Ce 413.764†	334.0	-102.0	-0.0030846	mg/L	-0.616916	mg/L	14:38:46
1	Co 228.616†	-81.6	3.2	-0.0006751	mg/L	-0.135022	mg/L	14:39:06
1	Cr 205.557†	-18.1	11.4	-0.0008209	mg/L	-0.164173	mg/L	14:39:06
1	Cu 327.397†	138.7	-50.8	-0.0059672	mg/L	-1.19344	mg/L	14:38:46
1	Mn 257.610†	3260.6	2726.0	0.0199693	mg/L	3.99386	mg/L	14:38:46
1	Mo 202.031†	79.9	-15.6	-0.0033857	mg/L	-0.677143	mg/L	14:39:06
1	Ni 231.604†	434.0	-45.1	-0.0053425	mg/L	-1.06850	mg/L	14:39:06
1	Pb 220.353†	-25.0	4.8	0.0013409	mg/L	0.268181	mg/L	14:39:06
1	Sb 217.584†	-49.0	3.4	-0.0015832	mg/L	-0.316649	mg/L	14:39:06
1	Se 196.026†	-39.0	4.2	0.0029073	mg/L	0.581466	mg/L	14:39:06
1	Si 251.611†	333.6	23.5	-0.0118436	mg/L	-2.36871	mg/L	14:39:06
1	Sn 189.927†	5.5	-12.7	-0.0078349	mg/L	-1.56698	mg/L	14:39:06
1	Tl 190.801†	-50.4	-0.1	-0.0018161	mg/L	-0.363210	mg/L	14:39:06
1	V 292.395†	-1064.8	170.6	0.0028299	mg/L	0.565985	mg/L	14:38:46
1	Zn 206.200†	-72.4	7.0	-0.0015002	mg/L	-0.300035	mg/L	14:39:06
2	Y 360.076	159053.1	159053.1	111.022	%			14:38:20
2	Al 396.153†	833.6	576.9	0.174068	mg/L	34.8135	mg/L	14:38:40
2	Ba 455.398†	793.4	708.0	0.0015066	mg/L	0.301313	mg/L	14:38:20
2	Ca 315.887†	1789.3	1480.1	1.09942	mg/L	219.883	mg/L	14:38:40
2	Fe 238.204†	1386.3	1205.6	0.574516	mg/L	114.903	mg/L	14:38:40
2	K 766.490	33.4	20.2	0.0175531	mg/L	3.51062	mg/L	14:38:20
2	Li 670.784†	-12.0	2.5	-0.0010075	mg/L	-0.201499	mg/L	14:38:20
2	Mg 279.071†	237.2	198.5	0.437556	mg/L	87.5111	mg/L	14:38:40
2	Na 589.592†	681.9	-294.3	-0.0571600	mg/L	-11.4320	mg/L	14:38:20
2	Sr 407.771†	1942.9	1005.1	0.0002650	mg/L	0.0530036	mg/L	14:38:20
2	Ti 334.940†	149.8	139.8	0.0100656	mg/L	2.01312	mg/L	14:38:40
2	Sc 357.234	221774.0	221774.0	109.809	%			14:39:11
2	Ag 328.068†	20.6	-45.5	-0.0005973	mg/L	-0.119463	mg/L	14:39:11
2	As 188.979†	-26.1	4.5	-0.0006465	mg/L	-0.129307	mg/L	14:39:31
2	B 249.677†	409.2	-434.8	-0.0291856	mg/L	-5.83712	mg/L	14:39:31
2	Be 234.861†	-779.3	125.2	0.0002909	mg/L	0.0581731	mg/L	14:39:31
2	Cd 214.437†	209.1	-22.5	-0.0025358	mg/L	-0.507152	mg/L	14:39:31
2	Ce 413.764†	344.9	-91.4	-0.0027666	mg/L	-0.553320	mg/L	14:39:11
2	Co 228.616†	-79.4	5.0	-0.0003338	mg/L	-0.0667655	mg/L	14:39:31
2	Cr 205.557†	-19.3	10.3	-0.0009336	mg/L	-0.186728	mg/L	14:39:31
2	Cu 327.397†	165.4	-26.2	-0.0051932	mg/L	-1.03864	mg/L	14:39:11
2	Mn 257.610†	3292.9	2761.6	0.0202486	mg/L	4.04972	mg/L	14:39:11
2	Mo 202.031†	86.1	-9.7	-0.0025660	mg/L	-0.513193	mg/L	14:39:31
2	Ni 231.604†	434.4	-44.0	-0.0052348	mg/L	-1.04696	mg/L	14:39:31

2	Pb 220.353†	-19.3	10.0	0.0043944 mg/L	0.878872 mg/L	14:39:31
2	Sb 217.584†	-44.9	7.1	0.0014801 mg/L	0.296011 mg/L	14:39:31
2	Se 196.026†	-45.3	-1.6	-0.0094576 mg/L	-1.89152 mg/L	14:39:31
2	Si 251.611†	343.4	33.1	-0.0109127 mg/L	-2.18255 mg/L	14:39:31
2	Sn 189.927†	5.6	-12.6	-0.0077703 mg/L	-1.55406 mg/L	14:39:31
2	Tl 190.801†	-50.5	-0.2	-0.0019986 mg/L	-0.399710 mg/L	14:39:31
2	V 292.395†	-1057.6	175.2	0.0029461 mg/L	0.589229 mg/L	14:39:11
2	Zn 206.200†	-68.1	10:8	-0.0010286 mg/L	-0.205727 mg/L	14:39:31

Mean Data: 1001350-16

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	222002.1	109.922	%	0.1597				0.15%
Y 360.076	158766.5	110.822	%	0.2829				0.26%
Ag 328.068†	-38.0	-0.0004730	mg/L	0.00017577	-0.0946056	mg/L	0.03515431	37.16%
Al 396.153†	571.1	0.172132	mg/L	0.0027381	34.4263	mg/L	0.54762	1.59%
As 188.979†	1.3	-0.0060377	mg/L	0.00762425	-1.20754	mg/L	1.524849	126.28%
B 249.677†	-440.0	-0.0295065	mg/L	0.00045382	-5.90130	mg/L	0.090764	1.54%
Ba 455.398†	669.0	0.0013666	mg/L	0.00019794	0.273321	mg/L	0.0395874	14.48%
Be 234.861†	126.2	0.0002980	mg/L	0.00001013	0.0596054	mg/L	0.00202559	3.40%
Ca 315.887†	1462.8	1.08640	mg/L	0.018406	217.280	mg/L	3.6812	1.69%
Cd 214.437†	-29.8	-0.0028650	mg/L	0.00046564	-0.573003	mg/L	0.0931283	16.25%
Ce 413.764†	-96.7	-0.0029256	mg/L	0.00022485	-0.585118	mg/L	0.0449691	7.69%
Co 228.616†	4.1	-0.0005045	mg/L	0.00024132	-0.100894	mg/L	0.0482649	47.84%
Cr 205.557†	10.9	-0.0008773	mg/L	0.00007975	-0.175451	mg/L	0.0159490	9.09%
Cu 327.397†	-38.5	-0.0055802	mg/L	0.00054732	-1.11604	mg/L	0.109464	9.81%
Fe 238.204†	1196.9	0.570372	mg/L	0.0058601	114.074	mg/L	1.1720	1.03%
K 766.490	-10.9	-0.0325267	mg/L	0.07082357	-6.50535	mg/L	14.164713	217.74%
Li 670.784†	15.9	-0.0006107	mg/L	0.00056118	-0.122137	mg/L	0.1122352	91.89%
Mg 279.071†	195.9	0.431448	mg/L	0.0086382	86.2895	mg/L	1.72765	2.00%
Mn 257.610†	2743.8	0.0201089	mg/L	0.00019749	4.02179	mg/L	0.039497	0.98%
Mo 202.031†	-12.6	-0.0029758	mg/L	0.00057965	-0.595168	mg/L	0.1159303	19.48%
Na 589.592†	-276.7	-0.0543979	mg/L	0.00390627	-10.8796	mg/L	0.78125	7.18%
Ni 231.604†	-44.6	-0.0052887	mg/L	0.00007615	-1.05773	mg/L	0.015229	1.44%
Pb 220.353†	7.4	0.0028676	mg/L	0.00215912	0.573527	mg/L	0.4318238	75.29%
Sb 217.584†	5.2	-0.0000516	mg/L	0.00216608	-0.0103191	mg/L	0.43321623	>999.9%
Se 196.026†	1.3	-0.0032751	mg/L	0.00874334	-0.655029	mg/L	1.7486688	266.96%
Si 251.611†	28.3	-0.0113781	mg/L	0.00065818	-2.27563	mg/L	0.131637	5.78%
Sn 189.927†	-12.6	-0.0078026	mg/L	0.00004567	-1.56052	mg/L	0.009134	0.59%
Sr 407.771†	1005.9	0.0002660	mg/L	0.00000144	0.0532073	mg/L	0.00028805	0.54%
Ti 334.940†	138.3	0.0099586	mg/L	0.00015130	1.99172	mg/L	0.030260	1.52%
Tl 190.801†	-0.2	-0.0019073	mg/L	0.00012905	-0.381460	mg/L	0.0258094	6.77%
V 292.395†	172.9	0.0028880	mg/L	0.00008218	0.577607	mg/L	0.0164360	2.85%
Zn 206.200†	8.9	-0.0012644	mg/L	0.00033343	-0.252881	mg/L	0.0666853	26.37%

==========

Sequence No.: 41
Sample ID: 0B02016-srd2
Analyst:
Initial Sample Wt:
Dilution: 1000X

Autosampler Location: 44
Date Collected: 2/5/2010 2:40:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B02016-srd2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	154237.2	154237.2	107.661	%			14:41:49
1	Al 396.153†	322.6	125.7	0.0218973	mg/L	21.8973	mg/L	14:42:09
1	Ba 455.398†	184.5	164.7	-0.0004415	mg/L	-0.441516	mg/L	14:41:49
1	Ca 315.887†	459.3	295.1	0.208761	mg/L	208.761	mg/L	14:42:09
1	Fe 238.204†	338.0	270.9	0.128611	mg/L	128.611	mg/L	14:42:09
1	K 766.490	-34.9	-48.1	-0.0924410	mg/L	-92.4410	mg/L	14:41:49
1	Li 670.784†	-1.0	12.4	-0.0007147	mg/L	-0.714657	mg/L	14:41:49
1	Mg 279.071†	55.6	36.5	0.0630491	mg/L	63.0491	mg/L	14:42:09
1	Na 589.592†	708.9	-250.1	-0.0502425	mg/L	-50.2425	mg/L	14:41:49
1	Sr 407.771†	1074.6	253.2	-0.0007579	mg/L	-0.757913	mg/L	14:41:49
1	Ti 334.940†	27.6	30.5	0.0022397	mg/L	2.23973	mg/L	14:42:09
1	Sc 357.234	221961.3	221961.3	109.902	%			14:42:41
1	Ag 328.068†	72.7	1.9	0.0001210	mg/L	0.121029	mg/L	14:42:41
1	As 188.979†	-25.6	4.9	0.0001023	mg/L	0.102338	mg/L	14:43:01

1	B 249.677†	402.1	-441.5	-0.0296461 mg/L	-29.6461 mg/L	14:43:01
1	Be 234.861†	-827.5	82.0	0.0002053 mg/L	0.205277 mg/L	14:43:01
1	Cd 214.437†	186.4	-43.3	-0.0033912 mg/L	-3.39123 mg/L	14:43:01
1	Ce 413.764†	302.9	-129.9	-0.0039257 mg/L	-3.92570 mg/L	14:42:41
1	Co 228.616†	-78.4	6.0	-0.0001134 mg/L	-0.113401 mg/L	14:43:01
1	Cr 205.557†	-25.0	5.1	-0.0014684 mg/L	-1.46837 mg/L	14:43:01
1	Cu 327.397†	145.0	-44.9	-0.0057871 mg/L	-5.78713 mg/L	14:42:41
1	Mn 257.610†	836.1	523.6	0.0026674 mg/L	2.66740 mg/L	14:43:01
1	Mo 202.031†	81.8	-13.8	-0.0031347 mg/L	-3.13467 mg/L	14:43:01
1	Ni 231.604†	427.0	-51.0	-0.0058949 mg/L	-5.89493 mg/L	14:43:01
1	Pb 220.353†	-20.9	8.5	0.0035261 mg/L	3.52611 mg/L	14:43:01
1	Sb 217.584†	-51.0	1.6	-0.0043776 mg/L	-4.37758 mg/L	14:43:01
1	Se 196.026†	-38.1	4.9	0.0040459 mg/L	4.04593 mg/L	14:43:01
1	Si 251.611†	216.6	-82.6	-0.0221487 mg/L	-22.1487 mg/L	14:43:01
1	Sn 189.927†	8.1	-10.3	-0.0067262 mg/L	-6.72617 mg/L	14:43:01
1	Tl 190.801†	-42.5	7.1	0.0081990 mg/L	8.19900 mg/L	14:43:01
1	V 292.395†	-1113.6	125.1	0.0018350 mg/L	1.83502 mg/L	14:42:41
1	Zn 206.200†	-74.9	4.6	-0.0017589 mg/L	-1.75892 mg/L	14:43:01
2	Y 360.076	159095.3	159095.3	111.052 %		14:42:14
2	Al 396.153†	327.8	121.3	0.0204136 mg/L	20.4136 mg/L	14:42:34
2	Ba 455.398†	178.7	154.3	-0.0004790 mg/L	-0.478976 mg/L	14:42:14
2	Ca 315.887†	475.3	296.4	0.209763 mg/L	209.763 mg/L	14:42:34
2	Fe 238.204†	342.3	265.1	0.125864 mg/L	125.864 mg/L	14:42:34
2	K 766.490	-3.0	-16.2	-0.0410876 mg/L	-41.0876 mg/L	14:42:14
2	Li 670.784†	-1.2	12.2	-0.0007208 mg/L	-0.720849 mg/L	14:42:14
2	Mg 279.071†	59.0	38.1	0.0666225 mg/L	66.6225 mg/L	14:42:34
2	Na 589.592†	677.2	-298.7	-0.0578449 mg/L	-57.8449 mg/L	14:42:14
2	Sr 407.771†	1092.9	239.2	-0.0007770 mg/L	-0.776959 mg/L	14:42:14
2	Ti 334.940†	15.6	18.9	0.0014124 mg/L	1.41236 mg/L	14:42:34
2	Sc 357.234	223785.4	223785.4	110.805 %		14:43:06
2	Ag 328.068†	44.3	-24.4	-0.0003067 mg/L	-0.306666 mg/L	14:43:06
2	As 188.979†	-28.3	2.7	-0.0035778 mg/L	-3.57780 mg/L	14:43:26
2	B 249.677†	385.2	-459.8	-0.0307698 mg/L	-30.7698 mg/L	14:43:26
2	Be 234.861†	-806.4	107.1	0.0003436 mg/L	0.343615 mg/L	14:43:26
2	Cd 214.437†	197.1	-35.1	-0.0030148 mg/L	-3.01478 mg/L	14:43:26
2	Ce 413.764†	390.0	-53.5	-0.0016182 mg/L	-1.61820 mg/L	14:43:06
2	Co 228.616†	-77.8	7.1	0.0000903 mg/L	0.0902745 mg/L	14:43:26
2	Cr 205.557†	-25.4	4.9	-0.0014896 mg/L	-1.48957 mg/L	14:43:26
2	Cu 327.397†	125.8	-63.3	-0.0063666 mg/L	-6.36662 mg/L	14:43:06
2	Mn 257.610†	846.1	526.5	0.0026899 mg/L	2.68993 mg/L	14:43:26
2	Mo 202.031†	84.6	-11.8	-0.0028635 mg/L	-2.86352 mg/L	14:43:26
2	Ni 231.604†	434.0	-47.9	-0.0055996 mg/L	-5.59959 mg/L	14:43:26
2	Pb 220.353†	-31.3	-0.7	-0.0019305 mg/L	-1.93054 mg/L	14:43:26
2	Sb 217.584†	-47.4	5.2	-0.0014029 mg/L	-1.40290 mg/L	14:43:26
2	Se 196.026†	-38.7	4.7	0.0035245 mg/L	3.52452 mg/L	14:43:26
2	Si 251.611†	220.1	-81.0	-0.0219772 mg/L	-21.9772 mg/L	14:43:26
2	Sn 189.927†	9.2	-9.4	-0.0062414 mg/L	-6.24144 mg/L	14:43:26
2	Tl 190.801†	-47.5	2.8	0.0022599 mg/L	2.25990 mg/L	14:43:26
2	V 292.395†	-1100.7	145.0	0.0023114 mg/L	2.31138 mg/L	14:43:06
2	Zn 206.200†	-72.0	7.8	-0.0013575 mg/L	-1.35754 mg/L	14:43:26

Mean Data: 0B02016-srd2

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	222873.4	110.353	%	0.6386				0.58%
Y 360.076	156666.2	109.356	%	2.3978				2.19%
Ag 328.068†	-11.2	-0.0000928	mg/L	0.00030243	-0.0928188	mg/L	0.30242610	325.82%
Al 396.153†	123.5	0.0211554	mg/L	0.00104913	21.1554	mg/L	1.04913	4.96%
As 188.979†	3.8	-0.0017377	mg/L	0.00260225	-1.73773	mg/L	2.602250	149.75%
B 249.677†	-450.7	-0.0302080	mg/L	0.00079456	-30.2080	mg/L	0.79456	2.63%
Ba 455.398†	159.5	-0.0004602	mg/L	0.00002649	-0.460246	mg/L	0.0264887	5.76%
Be 234.861†	94.5	0.0002744	mg/L	0.00009782	0.274446	mg/L	0.0978196	35.64%
Ca 315.887†	295.7	0.209262	mg/L	0.0007081	209.262	mg/L	0.7081	0.34%
Cd 214.437†	-39.2	-0.0032030	mg/L	0.00026619	-3.20300	mg/L	0.266187	8.31%
Ce 413.764†	-91.7	-0.0027720	mg/L	0.00163165	-2.77195	mg/L	1.631652	58.86%
Co 228.616†	6.6	-0.0000116	mg/L	0.00014402	-0.0115631	mg/L	0.14402015	>999.9%
Cr 205.557†	5.0	-0.0014790	mg/L	0.00001498	-1.47897	mg/L	0.014985	1.01%
Cu 327.397†	-54.1	-0.0060769	mg/L	0.00040976	-6.07688	mg/L	0.409757	6.74%
Fe 238.204†	268.0	0.127237	mg/L	0.0019427	127.237	mg/L	1.9427	1.53%
K 766.490	-32.2	-0.0667643	mg/L	0.03631233	-66.7643	mg/L	36.31233	54.39%

Li 670.784†	12.3	-0.0007178	mg/L	0.00000438	-0.717753	mg/L	0.0043782	0.61%
Mg 279.071†	37.3	0.0648358	mg/L	0.00252678	64.8358	mg/L	2.52678	3.90%
Mn 257.610†	525.0	0.0026787	mg/L	0.00001593	2.67866	mg/L	0.015930	0.59%
Mo 202.031†	-12.8	-0.0029991	mg/L	0.00019173	-2.99910	mg/L	0.191733	6.39%
Na 589.592†	-274.4	-0.0540437	mg/L	0.00537567	-54.0437	mg/L	5.37567	9.95%
Ni 231.604†	-49.5	-0.0057473	mg/L	0.00020884	-5.74726	mg/L	0.208841	3.63%
Pb 220.353†	3.9	0.0007978	mg/L	0.00385843	0.797786	mg/L	3.8584320	483.64%
Sb 217.584†	3.4	-0.0028902	mg/L	0.00210342	-2.89024	mg/L	2.103419	72.78%
Se 196.026†	4.8	0.0037852	mg/L	0.00036870	3.78523	mg/L	0.368695	9.74%
Si 251.611†	-81.8	-0.0220630	mg/L	0.00012133	-22.0630	mg/L	0.12133	0.55%
Sn 189.927†	-9.8	-0.0064838	mg/L	0.00034276	-6.48380	mg/L	0.342755	5.29%
Sr 407.771†	246.2	-0.0007674	mg/L	0.00001347	-0.767436	mg/L	0.0134679	1.75%
Ti 334.940†	24.7	0.0018260	mg/L	0.00058504	1.82604	mg/L	0.585040	32.04%
Tl 190.801†	5.0	0.0052294	mg/L	0.00419958	5.22945	mg/L	4.199582	80.31%
V 292.395†	135.1	0.0020732	mg/L	0.00033684	2.07320	mg/L	0.336842	16.25%
Zn 206.200†	6.2	-0.0015582	mg/L	0.00028382	-1.55823	mg/L	0.283819	18.21%

Sequence No.: 42
Sample ID: 1000787-ps2
Analyst:
Initial Sample Wt:
Dilution: 200X

Autosampler Location: 45
Date Collected: 2/5/2010 2:44:42 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000787-ps2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	160519.3	160519.3	112.046	%			14:45:48
1	Al 396.153†	4851.1	4155.7	1.37771	mg/L	275.542	mg/L	14:46:08
1	Ba 455.398†	76617.6	68373.9	0.244133	mg/L	48.8266	mg/L	14:45:48
1	Ca 315.887†	20051.7	17764.4	13.3386	mg/L	2667.73	mg/L	14:46:08
1	Fe 238.204†	1941.4	1689.6	0.804592	mg/L	160.918	mg/L	14:46:08
1	K 766.490	8412.5	8399.3	13.5012	mg/L	2700.25	mg/L	14:46:08
1	Li 670.784†	9311.6	8323.8	0.245233	mg/L	49.0466	mg/L	14:46:08
1	Mg 279.071†	6117.8	5445.0	12.5657	mg/L	2513.13	mg/L	14:46:08
1	Na 589.592†	87416.4	77109.8	12.0361	mg/L	2407.22	mg/L	14:45:48
1	Sr 407.771†	202651.4	180119.7	0.243944	mg/L	48.7888	mg/L	14:45:48
1	Ti 334.940†	3985.1	3561.6	0.254996	mg/L	50.9992	mg/L	14:46:08
1	Sc 357.234	224561.3	224561.3	111.189	%			14:46:39
1	Ag 328.068†	15765.0	14114.2	0.236429	mg/L	47.2859	mg/L	14:46:39
1	As 188.979†	785.3	734.5	1.22925	mg/L	245.851	mg/L	14:46:59
1	B 249.677†	4761.0	3474.4	0.210773	mg/L	42.1545	mg/L	14:46:59
1	Be 234.861†	4214.7	4625.5	0.0248325	mg/L	4.96650	mg/L	14:46:59
1	Cd 214.437†	6213.6	5375.3	0.242495	mg/L	48.4991	mg/L	14:46:59
1	Ce 413.764†	394.6	-50.6	-0.0015766	mg/L	-0.315316	mg/L	14:46:39
1	Co 228.616†	1389.1	1326.7	0.244346	mg/L	48.8692	mg/L	14:46:59
1	Cr 205.557†	2734.8	2487.4	0.243265	mg/L	48.6531	mg/L	14:46:59
1	Cu 327.397†	8758.1	7699.8	0.238319	mg/L	47.6638	mg/L	14:46:39
1	Mn 257.610†	37909.8	33857.8	0.264309	mg/L	52.8618	mg/L	14:46:39
1	Mo 202.031†	2080.9	1783.3	0.248495	mg/L	49.6989	mg/L	14:46:59
1	Ni 231.604†	3359.2	2581.6	0.240813	mg/L	48.1625	mg/L	14:46:59
1	Pb 220.353†	444.3	427.2	0.251060	mg/L	50.2120	mg/L	14:46:59
1	Sb 217.584†	1621.3	1506.1	1.23849	mg/L	247.698	mg/L	14:46:59
1	Se 196.026†	622.8	599.8	1.27664	mg/L	255.329	mg/L	14:46:59
1	Si 251.611†	14114.8	12414.8	1.19521	mg/L	239.041	mg/L	14:46:39
1	Sn 189.927†	2420.6	2159.4	1.16860	mg/L	233.719	mg/L	14:46:59
1	Tl 190.801†	927.2	879.7	1.24069	mg/L	248.139	mg/L	14:46:59
1	V 292.395†	10377.6	10471.6	0.250439	mg/L	50.0877	mg/L	14:46:59
1	Zn 206.200†	2143.5	2000.5	0.246035	mg/L	49.2070	mg/L	14:46:59
2	Y 360.076	159950.8	159950.8	111.649	%			14:46:13
2	Al 396.153†	4827.7	4150.1	1.37582	mg/L	275.165	mg/L	14:46:33
2	Ba 455.398†	77087.1	69037.6	0.246513	mg/L	49.3025	mg/L	14:46:13
2	Ca 315.887†	19999.8	17781.5	13.3515	mg/L	2670.30	mg/L	14:46:33
2	Fe 238.204†	1935.6	1690.6	0.805063	mg/L	161.013	mg/L	14:46:33
2	K 766.490	8370.8	8357.6	13.4341	mg/L	2686.82	mg/L	14:46:33
2	Li 670.784†	9282.6	8327.4	0.245339	mg/L	49.0678	mg/L	14:46:33
2	Mg 279.071†	6101.8	5450.1	12.5774	mg/L	2515.48	mg/L	14:46:33
2	Na 589.592†	87646.6	77593.3	12.1116	mg/L	2422.33	mg/L	14:46:13
2	Sr 407.771†	203784.8	181777.7	0.246200	mg/L	49.2399	mg/L	14:46:13
2	Ti 334.940†	3970.7	3561.3	0.254976	mg/L	50.9951	mg/L	14:46:33

2	Sc 357.234	224513.9	224513.9	111.166 %			14:47:05
2	Ag 328.068†	15683.5	14043.9	0.235247 mg/L	47.0495	mg/L	14:47:05
2	As 188.979†	791.8	740.5	1.23941 mg/L	247.882	mg/L	14:47:25
2	B 249.677†	4786.3	3498.1	0.212234 mg/L	42.4467	mg/L	14:47:25
2	Be 234.861†	4213.2	4624.9	0.0248294 mg/L	4.96588	mg/L	14:47:25
2	Cd 214.437†	6227.6	5389.1	0.243121 mg/L	48.6241	mg/L	14:47:25
2	Ce 413.764†	337.7	-101.7	-0.0031220 mg/L	-0.624394	mg/L	14:47:05
2	Co 228.616†	1382.9	1321.4	0.243359 mg/L	48.6718	mg/L	14:47:25
2	Cr 205.557†	2744.9	2497.1	0.244217 mg/L	48.8434	mg/L	14:47:25
2	Cu 327.397†	8683.6	7634.5	0.236262 mg/L	47.2524	mg/L	14:47:05
2	Mn 257.610†	37723.8	33697.6	0.263052 mg/L	52.6104	mg/L	14:47:05
2	Mo 202.031†	2086.5	1788.8	0.249259 mg/L	49.8518	mg/L	14:47:25
2	Ni 231.604†	3369.3	2591.3	0.241727 mg/L	48.3453	mg/L	14:47:25
2	Pb 220.353†	441.1	424.4	0.249397 mg/L	49.8794	mg/L	14:47:25
2	Sb 217.584†	1611.9	1498.0	1.23179 mg/L	246.358	mg/L	14:47:25
2	Se 196.026†	620.9	598.1	1.27319 mg/L	254.639	mg/L	14:47:25
2	Si 251.611†	14061.8	12369.8	1.19080 mg/L	238.160	mg/L	14:47:05
2	Sn 189.927†	2411.6	2151.7	1.16443 mg/L	232.886	mg/L	14:47:25
2	Tl 190.801†	929.5	881.8	1.24375 mg/L	248.750	mg/L	14:47:25
2	V 292.395†	10404.3	10497.6	0.251065 mg/L	50.2130	mg/L	14:47:25
2	Zn 206.200†	2127.0	1986.1	0.244240 mg/L	48.8479	mg/L	14:47:25

Mean Data: 1000787-ps2

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	224537.6	111.177	%	0.0166				0.01%
Y 360.076	160235.0	111.847	%	0.2806				0.25%
Ag 328.068†	14079.1	0.235838	mg/L	0.0008359	47.1677	mg/L	0.16718	0.35%
Al 396.153†	4152.9	1.37677	mg/L	0.001334	275.353	mg/L	0.2668	0.10%
As 188.979†	737.5	1.23433	mg/L	0.007181	246.866	mg/L	1.4362	0.58%
B 249.677†	3486.3	0.211503	mg/L	0.0010332	42.3006	mg/L	0.20663	0.49%
Ba 455.398†	68705.7	0.245323	mg/L	0.0016826	49.0646	mg/L	0.33651	0.69%
Be 234.861†	4625.2	0.0248309	mg/L	0.00000221	4.96619	mg/L	0.000442	0.01%
Ca 315.887†	17772.9	13.3451	mg/L	0.00910	2669.01	mg/L	1.821	0.07%
Cd 214.437†	5382.2	0.242808	mg/L	0.0004422	48.5616	mg/L	0.08844	0.18%
Ce 413.764†	-76.1	-0.0023493	mg/L	0.00109275	-0.469855	mg/L	0.2185507	46.51%
Co 228.616†	1324.0	0.243853	mg/L	0.0006977	48.7705	mg/L	0.13955	0.29%
Cr 205.557†	2492.2	0.243741	mg/L	0.0006731	48.7483	mg/L	0.13462	0.28%
Cu 327.397†	7667.2	0.237290	mg/L	0.0014546	47.4581	mg/L	0.29092	0.61%
Fe 238.204†	1690.1	0.804827	mg/L	0.0003334	160.965	mg/L	0.0667	0.04%
K 766.490	8378.5	13.4677	mg/L	0.04747	2693.54	mg/L	9.494	0.35%
Li 670.784†	8325.6	0.245286	mg/L	0.0000748	49.0572	mg/L	0.01496	0.03%
Mg 279.071†	5447.5	12.5715	mg/L	0.00831	2514.31	mg/L	1.663	0.07%
Mn 257.610†	33777.7	0.263680	mg/L	0.0008889	52.7361	mg/L	0.17779	0.34%
Mo 202.031†	1786.0	0.248877	mg/L	0.0005405	49.7754	mg/L	0.10809	0.22%
Na 589.592†	77351.6	12.0739	mg/L	0.05341	2414.78	mg/L	10.682	0.44%
Ni 231.604†	2586.4	0.241270	mg/L	0.0006464	48.2539	mg/L	0.12928	0.27%
Pb 220.353†	425.8	0.250229	mg/L	0.0011761	50.0457	mg/L	0.23523	0.47%
Sb 217.584†	1502.1	1.23514	mg/L	0.004737	247.028	mg/L	0.9474	0.38%
Se 196.026†	598.9	1.27492	mg/L	0.002439	254.984	mg/L	0.4878	0.19%
Si 251.611†	12392.3	1.19300	mg/L	0.003115	238.601	mg/L	0.6231	0.26%
Sn 189.927†	2155.5	1.16651	mg/L	0.002946	233.303	mg/L	0.5891	0.25%
Sr 407.771†	180948.7	0.245072	mg/L	0.0015951	49.0144	mg/L	0.31901	0.65%
Ti 334.940†	3561.4	0.254986	mg/L	0.0000145	50.9972	mg/L	0.00290	0.01%
Tl 190.801†	880.7	1.24222	mg/L	0.002163	248.445	mg/L	0.4326	0.17%
V 292.395†	10484.6	0.250752	mg/L	0.0004429	50.1504	mg/L	0.08858	0.18%
Zn 206.200†	1993.3	0.245137	mg/L	0.0012695	49.0274	mg/L	0.25390	0.52%

==========

Sequence No.: 43
Sample ID: 1001350-16
Analyst:
Initial Sample Wt:
Dilution: 10X

Autosampler Location: 46
Date Collected: 2/5/2010 2:48:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001350-16

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Y 360.076	161683.0	161683.0	112.858	%			14:49:43

1	Al 396.153†	13034.2	11375.3	3.81611	mg/L	38.1611 mg/L	14:50:04
1	Ba 455.398†	14796.0	13103.6	0.0459528	mg/L	0.459528 mg/L	14:49:43
1	Ca 315.887†	32999.2	29107.9	21.8644	mg/L	218.644 mg/L	14:50:04
1	Fe 238.204†	26449.7	23393.1	11.1595	mg/L	111.595 mg/L	14:50:04
1	K 766.490	239.4	226.3	0.349104	mg/L	3.49104 mg/L	14:50:04
1	Li 670.784†	233.5	220.2	0.0054347	mg/L	0.0543470 mg/L	14:50:04
1	Mg 279.071†	4320.4	3813.1	8.79320	mg/L	87.9320 mg/L	14:50:04
1	Na 589.592†	1068.9	38.6	-0.0051497	mg/L	-0.0514975 mg/L	14:50:04
1	Sr 407.771†	22563.1	19247.5	0.0250831	mg/L	0.250831 mg/L	14:50:04
1	Ti 334.940†	3102.8	2754.1	0.197200	mg/L	1.97200 mg/L	14:50:04
1	Sc 357.234	227330.7	227330.7	112.560	%		14:50:35
1	Ag 328.068†	-359.3	-383.5	-0.0045588	mg/L	-0.0455884 mg/L	14:50:35
1	As 188.979†	-14.1	15.7	0.0169397	mg/L	0.169397 mg/L	14:50:55
1	B 249.677†	449.4	-408.2	-0.0264859	mg/L	-0.264859 mg/L	14:50:55
1	Be 234.861†	41.6	871.9	0.0007931	mg/L	0.0079310 mg/L	14:50:35
1	Cd 214.437†	226.8	-11.5	-0.0041942	mg/L	-0.0419420 mg/L	14:50:55
1	Ce 413.764†	900.0	394.1	0.0118400	mg/L	0.118400 mg/L	14:50:35
1	Co 228.616†	-55.5	28.0	0.0031417	mg/L	0.0314166 mg/L	14:50:55
1	Cr 205.557†	60.8	81.8	0.0067718	mg/L	0.0677183 mg/L	14:50:55
1	Cu 327.397†	511.8	277.8	0.0044990	mg/L	0.0449902 mg/L	14:50:35
1	Mn 257.610†	60328.6	53359.5	0.417753	mg/L	4.17753 mg/L	14:50:35
1	Mo 202.031†	120.9	19.3	0.0014915	mg/L	0.0149154 mg/L	14:50:55
1	Ni 231.604†	532.4	33.4	0.0020194	mg/L	0.0201939 mg/L	14:50:55
1	Pb 220.353†	14.6	40.5	0.0225588	mg/L	0.225588 mg/L	14:50:55
1	Sb 217.584†	-111.0	-50.7	-0.0143348	mg/L	-0.143348 mg/L	14:50:55
1	Se 196.026†	-41.7	2.6	0.0120255	mg/L	0.120255 mg/L	14:50:55
1	Si 251.611†	2980.6	2368.4	0.215580	mg/L	2.15580 mg/L	14:50:55
1	Sn 189.927†	-50.9	-62.9	-0.0304244	mg/L	-0.304244 mg/L	14:50:55
1	Tl 190.801†	-56.6	-4.5	-0.0061572	mg/L	-0.0615719 mg/L	14:50:55
1	V 292.395†	-371.5	808.3	0.0160006	mg/L	0.160006 mg/L	14:50:55
1	Zn 206.200†	223.1	271.0	0.0304038	mg/L	0.304038 mg/L	14:50:55
2	Y 360.076	160240.6	160240.6	111.851	%		14:50:09
2	Al 396.153†	12999.7	11448.4	3.84076	mg/L	38.4076 mg/L	14:50:29
2	Ba 455.398†	14824.0	13246.7	0.0464660	mg/L	0.464660 mg/L	14:50:09
2	Ca 315.887†	32858.3	29245.1	21.9675	mg/L	219.675 mg/L	14:50:29
2	Fe 238.204†	26386.0	23547.2	11.2330	mg/L	112.330 mg/L	14:50:29
2	K 766.490	254.3	241.2	0.373050	mg/L	3.73050 mg/L	14:50:29
2	Li 670.784†	221.6	211.4	0.0051751	mg/L	0.0517513 mg/L	14:50:29
2	Mg 279.071†	4300.7	3829.9	8.83211	mg/L	88.3211 mg/L	14:50:29
2	Na 589.592†	1072.5	50.3	-0.0033204	mg/L	-0.0332045 mg/L	14:50:29
2	Sr 407.771†	22493.8	19365.6	0.0252437	mg/L	0.252437 mg/L	14:50:29
2	Ti 334.940†	3090.3	2767.8	0.198175	mg/L	1.98175 mg/L	14:50:29
2	Sc 357.234	225521.4	225521.4	111.664	%		14:51:00
2	Ag 328.068†	-346.2	-374.3	-0.0043939	mg/L	-0.0439392 mg/L	14:51:00
2	As 188.979†	-24.0	6.8	0.0018280	mg/L	0.0182803 mg/L	14:51:20
2	B 249.677†	452.2	-402.4	-0.0261317	mg/L	-0.261317 mg/L	14:51:20
2	Be 234.861†	56.8	885.8	0.0008444	mg/L	0.0084436 mg/L	14:51:00
2	Cd 214.437†	233.2	-4.1	-0.0038744	mg/L	-0.0387440 mg/L	14:51:20
2	Ce 413.764†	893.2	394.4	0.0118505	mg/L	0.118505 mg/L	14:51:00
2	Co 228.616†	-46.3	35.9	0.0045990	mg/L	0.0459897 mg/L	14:51:20
2	Cr 205.557†	45.8	68.8	0.0054910	mg/L	0.0549100 mg/L	14:51:20
2	Cu 327.397†	476.4	249.7	0.0036160	mg/L	0.0361600 mg/L	14:51:00
2	Mn 257.610†	59856.7	53367.0	0.417815	mg/L	4.17815 mg/L	14:51:00
2	Mo 202.031†	120.9	20.1	0.0016132	mg/L	0.0161322 mg/L	14:51:20
2	Ni 231.604†	536.4	40.7	0.0027017	mg/L	0.0270167 mg/L	14:51:20
2	Pb 220.353†	9.0	35.7	0.0196902	mg/L	0.196902 mg/L	14:51:20
2	Sb 217.584†	-106.4	-47.3	-0.0113323	mg/L	-0.113323 mg/L	14:51:20
2	Se 196.026†	-43.3	0.8	0.0083728	mg/L	0.0837279 mg/L	14:51:20
2	Si 251.611†	2916.6	2332.3	0.212040	mg/L	2.12040 mg/L	14:51:20
2	Sn 189.927†	-48.8	-61.3	-0.0295621	mg/L	-0.295621 mg/L	14:51:20
2	Tl 190.801†	-55.1	-3.6	-0.0049079	mg/L	-0.0490788 mg/L	14:51:20
2	V 292.395†	-362.6	813.6	0.0161136	mg/L	0.161136 mg/L	14:51:20
2	Zn 206.200†	223.9	273.3	0.0306861	mg/L	0.306861 mg/L	14:51:20

Mean Data: 1001350-16

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	226426.1	112.112	%	0.6334				0.57%
Y 360.076	160961.8	112.355	%	0.7119				0.63%
Ag 328.068†	-378.9	-0.0044764	mg/L	0.00011662	-0.0447638	mg/L	0.00116615	2.61%

Al 396.153†	11411.8	3.82844 mg/L	0.017431	38.2844 mg/L	0.17431	0.46%
As 188.979†	11.3	0.0093839 mg/L	0.01068558	0.0938387 mg/L	0.10685580	113.87%
B 249.677†	-405.3	-0.0263088 mg/L	0.00025047	-0.263088 mg/L	0.0025047	0.95%
Ba 455.398†	13175.2	0.0462094 mg/L	0.00036290	0.462094 mg/L	0.0036290	0.79%
Be 234.861†	878.8	0.0008187 mg/L	0.00003625	0.0081873 mg/L	0.00036248	4.43%
Ca 315.887†	29176.5	21.9160 mg/L	0.07291	219.160 mg/L	0.7291	0.33%
Cd 214.437†	-7.8	-0.0040343 mg/L	0.00022613	-0.0403430 mg/L	0.00226129	5.61%
Ce 413.764†	394.2	0.0118453 mg/L	0.00000743	0.118453 mg/L	0.0000743	0.06%
Co 228.616†	32.0	0.0038703 mg/L	0.00103048	0.0387032 mg/L	0.01030476	26.63%
Cr 205.557†	75.3	0.0061314 mg/L	0.00090569	0.0613141 mg/L	0.00905685	14.77%
Cu 327.397†	263.8	0.0040575 mg/L	0.00062439	0.0405751 mg/L	0.00624391	15.39%
Fe 238.204†	23470.1	11.1963 mg/L	0.05197	111.963 mg/L	0.5197	0.46%
K 766.490	233.7	0.361077 mg/L	0.0169318	3.61077 mg/L	0.169318	4.69%
Li 670.784†	215.8	0.0053049 mg/L	0.00018354	0.0530492 mg/L	0.00183542	3.46%
Mg 279.071†	3821.5	8.81265 mg/L	0.027512	88.1265 mg/L	0.27512	0.31%
Mn 257.610†	53363.3	0.417784 mg/L	0.0000432	4.17784 mg/L	0.000432	0.01%
Mo 202.031†	19.7	0.0015524 mg/L	0.00008605	0.0155238 mg/L	0.00086045	5.54%
Na 589.592†	44.4	-0.0042351 mg/L	0.00129351	-0.0423510 mg/L	0.01293508	30.54%
Ni 231.604†	37.1	0.0023605 mg/L	0.00048244	0.0236053 mg/L	0.00482444	20.44%
Pb 220.353†	38.1	0.0211245 mg/L	0.00202846	0.211245 mg/L	0.0202846	9.60%
Sb 217.584†	-49.0	-0.0128336 mg/L	0.00212308	-0.128336 mg/L	0.0212308	16.54%
Se 196.026†	1.7	0.0101991 mg/L	0.00258284	0.101991 mg/L	0.0258284	25.32%
Si 251.611†	2350.3	0.213810 mg/L	0.0025031	2.13810 mg/L	0.025031	1.17%
Sn 189.927†	-62.1	-0.0299932 mg/L	0.00060976	-0.299932 mg/L	0.0060976	2.03%
Sr 407.771†	19306.5	0.0251634 mg/L	0.00011356	0.251634 mg/L	0.0011356	0.45%
Ti 334.940†	2761.0	0.197687 mg/L	0.0006895	1.97687 mg/L	0.006895	0.35%
Tl 190.801†	-4.1	-0.0055325 mg/L	0.00088340	-0.0553253 mg/L	0.00883395	15.97%
V 292.395†	811.0	0.0160571 mg/L	0.00007990	0.160571 mg/L	0.0007990	0.50%
Zn 206.200†	272.1	0.0305449 mg/L	0.00019963	0.305449 mg/L	0.0019963	0.65%

Sequence No.: 44 **Autosampler Location: 4**
Sample ID: 0B02016-CCV **Date Collected: 2/5/2010 2:52:36 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0B02016-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	159204.5	159204.5	111.128	%			14:53:42
1	Al 396.153†	8455.1	7434.5	2.47559	mg/L	2.47559	mg/L	14:53:42
1	Ba 455.398†	156147.4	140504.5	0.502768	mg/L	0.502768	mg/L	14:53:42
1	Ca 315.887†	7609.6	6716.0	5.03471	mg/L	5.03471	mg/L	14:54:02
1	Fe 238.204†	1242.7	1075.1	0.511650	mg/L	0.511650	mg/L	14:54:02
1	K 766.490	3422.4	3409.2	5.47108	mg/L	5.47108	mg/L	14:54:02
1	Li 670.784†	18953.9	17069.2	0.504025	mg/L	0.504025	mg/L	14:53:42
1	Mg 279.071†	2425.0	2167.0	4.98815	mg/L	4.98815	mg/L	14:54:02
1	Na 589.592†	36325.0	31778.9	4.95382	mg/L	4.95382	mg/L	14:53:42
1	Sr 407.771†	411117.4	369204.0	0.501186	mg/L	0.501186	mg/L	14:53:42
1	Ti 334.940†	7795.8	7020.0	0.502551	mg/L	0.502551	mg/L	14:54:02
1	Sc 357.234	223976.2	223976.2	110.899	%			14:54:34
1	Ag 328.068†	33147.9	29825.8	0.499100	mg/L	0.499100	mg/L	14:54:34
1	As 188.979†	1627.1	1495.5	2.51144	mg/L	2.51144	mg/L	14:54:54
1	B 249.677†	9471.3	7733.0	0.472148	mg/L	0.472148	mg/L	14:54:34
1	Be 234.861†	9276.0	9199.2	0.0499531	mg/L	0.0499531	mg/L	14:54:54
1	Cd 214.437†	12483.7	11043.8	0.499916	mg/L	0.499916	mg/L	14:54:54
1	Ce 413.764†	384.8	-58.5	-0.0018597	mg/L	-0.0018597	mg/L	14:54:34
1	Co 228.616†	2915.6	2706.4	0.499814	mg/L	0.499814	mg/L	14:54:54
1	Cr 205.557†	5613.9	5090.0	0.499796	mg/L	0.499796	mg/L	14:54:54
1	Cu 327.397†	17814.2	15886.5	0.496341	mg/L	0.496341	mg/L	14:54:34
1	Mn 257.610†	71483.4	64220.8	0.502595	mg/L	0.502595	mg/L	14:54:34
1	Mo 202.031†	4081.6	3592.3	0.501790	mg/L	0.501790	mg/L	14:54:54
1	Ni 231.604†	6434.0	5362.1	0.501368	mg/L	0.501368	mg/L	14:54:54
1	Pb 220.353†	914.4	852.1	0.502296	mg/L	0.502296	mg/L	14:54:54
1	Sb 217.584†	3341.9	3061.4	2.52032	mg/L	2.52032	mg/L	14:54:54
1	Se 196.026†	1295.1	1207.4	2.57560	mg/L	2.57560	mg/L	14:54:54
1	Si 251.611†	28784.0	25675.4	2.48719	mg/L	2.48719	mg/L	14:54:34
1	Sn 189.927†	5044.2	4530.8	2.44826	mg/L	2.44826	mg/L	14:54:54
1	Tl 190.801†	1923.8	1780.5	2.51290	mg/L	2.51290	mg/L	14:54:54

1	V 292.395†	22261.7	21212.1	0.508615 mg/L	0.508615 mg/L	14:54:34
1	Zn 206.200†	4412.6	4051.7	0.501287 mg/L	0.501287 mg/L	14:54:54
2	Y 360.076	159278.1	159278.1	111.179 %		14:54:08
2	Al 396.153†	8530.5	7498.8	2.49718 mg/L	2.49718 mg/L	14:54:08
2	Ba 455.398†	157467.7	141627.1	0.506794 mg/L	0.506794 mg/L	14:54:08
2	Ca 315.887†	7597.5	6701.9	5.02413 mg/L	5.02413 mg/L	14:54:28
2	Fe 238.204†	1255.0	1085.7	0.516698 mg/L	0.516698 mg/L	14:54:28
2	K 766.490	3406.7	3393.5	5.44591 mg/L	5.44591 mg/L	14:54:28
2	Li 670.784†	19084.8	17179.1	0.507276 mg/L	0.507276 mg/L	14:54:08
2	Mg 279.071†	2426.9	2167.7	4.98973 mg/L	4.98973 mg/L	14:54:28
2	Na 589.592†	36657.7	32063.1	4.99822 mg/L	4.99822 mg/L	14:54:08
2	Sr 407.771†	415246.9	372747.4	0.506007 mg/L	0.506007 mg/L	14:54:08
2	Ti 334.940†	7792.4	7013.7	0.502100 mg/L	0.502100 mg/L	14:54:28
2	Sc 357.234	223002.4	223002.4	110.417 %		14:54:59
2	Ag 328.068†	33071.7	29887.3	0.500121 mg/L	0.500121 mg/L	14:54:59
2	As 188.979†	1628.4	1503.0	2.52418 mg/L	2.52418 mg/L	14:55:19
2	B 249.677†	9479.1	7777.4	0.474877 mg/L	0.474877 mg/L	14:54:59
2	Be 234.861†	9272.1	9232.3	0.0501323 mg/L	0.0501323 mg/L	14:55:19
2	Cd 214.437†	12502.1	11109.6	0.502901 mg/L	0.502901 mg/L	14:55:19
2	Ce 413.764†	321.2	-114.6	-0.0035545 mg/L	-0.0035545 mg/L	14:54:59
2	Co 228.616†	2914.4	2716.8	0.501739 mg/L	0.501739 mg/L	14:55:19
2	Cr 205.557†	5624.7	5121.9	0.502942 mg/L	0.502942 mg/L	14:55:19
2	Cu 327.397†	17819.3	15961.3	0.498695 mg/L	0.498695 mg/L	14:54:59
2	Mn 257.610†	71417.4	64442.5	0.504335 mg/L	0.504335 mg/L	14:54:59
2	Mo 202.031†	4089.3	3615.3	0.505015 mg/L	0.505015 mg/L	14:55:19
2	Ni 231.604†	6448.5	5400.5	0.504973 mg/L	0.504973 mg/L	14:55:19
2	Pb 220.353†	924.4	864.8	0.509791 mg/L	0.509791 mg/L	14:55:19
2	Sb 217.584†	3328.0	3062.0	2.52081 mg/L	2.52081 mg/L	14:55:19
2	Se 196.026†	1296.7	1214.0	2.58961 mg/L	2.58961 mg/L	14:55:19
2	Si 251.611†	28750.9	25758.8	2.49537 mg/L	2.49537 mg/L	14:54:59
2	Sn 189.927†	5051.5	4557.3	2.46257 mg/L	2.46257 mg/L	14:55:19
2	Tl 190.801†	1919.5	1784.2	2.51805 mg/L	2.51805 mg/L	14:55:19
2	V 292.395†	22165.7	21212.9	0.508666 mg/L	0.508666 mg/L	14:54:59
2	Zn 206.200†	4419.2	4075.0	0.504187 mg/L	0.504187 mg/L	14:55:19

Mean Data: 0B02016-CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	223489.3	110.658	%	0.3409				0.31%
Y 360.076	159241.3	111.154	%	0.0363				0.03%
Ag 328.068†	29856.5	0.499611	mg/L	0.0007218	0.499611	mg/L	0.0007218	0.14%
QC value within limits for Ag 328.068 Recovery = 99.92%								
Al 396.153†	7466.6	2.48638	mg/L	0.015270	2.48638	mg/L	0.015270	0.61%
QC value within limits for Al 396.153 Recovery = 99.46%								
As 188.979†	1499.2	2.51781	mg/L	0.009006	2.51781	mg/L	0.009006	0.36%
QC value within limits for As 188.979 Recovery = 100.71%								
B 249.677†	7755.2	0.473513	mg/L	0.0019298	0.473513	mg/L	0.0019298	0.41%
QC value within limits for B 249.677 Recovery = 94.70%								
Ba 455.398†	141065.8	0.504781	mg/L	0.0028464	0.504781	mg/L	0.0028464	0.56%
QC value within limits for Ba 455.398 Recovery = 100.96%								
Be 234.861†	9215.7	0.0500427	mg/L	0.00012666	0.0500427	mg/L	0.00012666	0.25%
QC value within limits for Be 234.861 Recovery = 100.09%								
Ca 315.887†	6708.9	5.02942	mg/L	0.007482	5.02942	mg/L	0.007482	0.15%
QC value within limits for Ca 315.887 Recovery = 100.59%								
Cd 214.437†	11076.7	0.501408	mg/L	0.0021108	0.501408	mg/L	0.0021108	0.42%
QC value within limits for Cd 214.437 Recovery = 100.28%								
Ce 413.764†	-86.5	-0.0027071	mg/L	0.00119841	-0.0027071	mg/L	0.00119841	44.27%
Co 228.616†	2711.6	0.500777	mg/L	0.0013607	0.500777	mg/L	0.0013607	0.27%
QC value within limits for Co 228.616 Recovery = 100.16%								
Cr 205.557†	5105.9	0.501369	mg/L	0.0022248	0.501369	mg/L	0.0022248	0.44%
QC value within limits for Cr 205.557 Recovery = 100.27%								
Cu 327.397†	15923.9	0.497518	mg/L	0.0016645	0.497518	mg/L	0.0016645	0.33%
QC value within limits for Cu 327.397 Recovery = 99.50%								
Fe 238.204†	1080.4	0.514174	mg/L	0.0035696	0.514174	mg/L	0.0035696	0.69%
QC value within limits for Fe 238.204 Recovery = 102.83%								
K 766.490	3401.4	5.45850	mg/L	0.017794	5.45850	mg/L	0.017794	0.33%
QC value within limits for K 766.490 Recovery = 109.17%								
Li 670.784†	17124.2	0.505651	mg/L	0.0022989	0.505651	mg/L	0.0022989	0.45%
QC value within limits for Li 670.784 Recovery = 101.13%								
Mg 279.071†	2167.4	4.98894	mg/L	0.001119	4.98894	mg/L	0.001119	0.02%

QC value within limits for Mg 279.071 Recovery = 99.78%
Mn 257.610† 64331.6 0.503465 mg/L 0.0012305 0.503465 mg/L 0.0012305 0.24%
QC value within limits for Mn 257.610 Recovery = 100.69%
Mo 202.031† 3603.8 0.503402 mg/L 0.0022803 0.503402 mg/L 0.0022803 0.45%
QC value within limits for Mo 202.031 Recovery = 100.68%
Na 589.592† 31921.0 4.97602 mg/L 0.031395 4.97602 mg/L 0.031395 0.63%
QC value within limits for Na 589.592 Recovery = 99.52%
Ni 231.604† 5381.3 0.503170 mg/L 0.0025490 0.503170 mg/L 0.0025490 0.51%
QC value within limits for Ni 231.604 Recovery = 100.63%
Pb 220.353† 858.5 0.506044 mg/L 0.0053001 0.506044 mg/L 0.0053001 1.05%
QC value within limits for Pb 220.353 Recovery = 101.21%
Sb 217.584† 3061.7 2.52056 mg/L 0.000342 2.52056 mg/L 0.000342 0.01%
QC value within limits for Sb 217.584 Recovery = 100.82%
Se 196.026† 1210.7 2.58260 mg/L 0.009904 2.58260 mg/L 0.009904 0.38%
QC value within limits for Se 196.026 Recovery = 103.30%
Si 251.611† 25717.1 2.49128 mg/L 0.005785 2.49128 mg/L 0.005785 0.23%
QC value within limits for Si 251.611 Recovery = 99.65%
Sn 189.927† 4544.1 2.45542 mg/L 0.010118 2.45542 mg/L 0.010118 0.41%
QC value within limits for Sn 189.927 Recovery = 98.22%
Sr 407.771† 370975.7 0.503597 mg/L 0.0034088 0.503597 mg/L 0.0034088 0.68%
QC value within limits for Sr 407.771 Recovery = 100.72%
Ti 334.940† 7016.9 0.502325 mg/L 0.0003193 0.502325 mg/L 0.0003193 0.06%
QC value within limits for Ti 334.940 Recovery = 100.47%
Tl 190.801† 1782.3 2.51548 mg/L 0.003645 2.51548 mg/L 0.003645 0.14%
QC value within limits for Tl 190.801 Recovery = 100.62%
V 292.395† 21212.5 0.508641 mg/L 0.0000361 0.508641 mg/L 0.0000361 0.01%
QC value within limits for V 292.395 Recovery = 101.73%
Zn 206.200† 4063.4 0.502737 mg/L 0.0020511 0.502737 mg/L 0.0020511 0.41%
QC value within limits for Zn 206.200 Recovery = 100.55%
All analyte(s) passed QC.

Sequence No.: 45 **Autosampler Location: 1**
Sample ID: 0B02016-CCB **Date Collected: 2/5/2010 2:56:35 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0B02016-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	161191.9	161191.9	112.515	%			14:57:40
1	Al 396.153†	211.8	14.3	-0.0157051	mg/L	-0.0157051	mg/L	14:57:40
1	Ba 455.398†	-12.3	-17.5	-0.0010951	mg/L	-0.0010951	mg/L	14:57:40
1	Ca 315.887†	132.4	-13.9	-0.0234813	mg/L	-0.0234813	mg/L	14:58:00
1	Fe 238.204†	67.8	17.2	0.0075753	mg/L	0.0075753	mg/L	14:58:00
1	K 766.490	-20.5	-33.7	-0.0692486	mg/L	-0.0692486	mg/L	14:57:40
1	Li 670.784†	-23.8	-7.9	-0.0013151	mg/L	-0.0013151	mg/L	14:57:40
1	Mg 279.071†	11.1	-5.2	-0.0334685	mg/L	-0.0334685	mg/L	14:58:00
1	Na 589.592†	693.0	-292.6	-0.0568899	mg/L	-0.0568899	mg/L	14:57:40
1	Sr 407.771†	931.8	83.2	-0.0009892	mg/L	-0.0009892	mg/L	14:57:40
1	Ti 334.940†	-11.3	-5.2	-0.0003115	mg/L	-0.0003115	mg/L	14:58:00
1	Sc 357.234	223353.8	223353.8	110.591	%			14:58:31
1	Ag 328.068†	77.1	5.4	0.0001676	mg/L	0.0001676	mg/L	14:58:31
1	As 188.979†	-31.0	0.2	-0.0078256	mg/L	-0.0078256	mg/L	14:58:52
1	B 249.677†	484.3	-369.5	-0.0252230	mg/L	-0.0252230	mg/L	14:58:52
1	Be 234.861†	-817.6	95.6	0.0003206	mg/L	0.0003206	mg/L	14:58:52
1	Cd 214.437†	193.1	-38.4	-0.0031418	mg/L	-0.0031418	mg/L	14:58:52
1	Ce 413.764†	352.7	-86.6	-0.0026165	mg/L	-0.0026165	mg/L	14:58:31
1	Co 228.616†	-79.9	5.1	-0.0002760	mg/L	-0.0002760	mg/L	14:58:52
1	Cr 205.557†	-22.5	7.5	-0.0012455	mg/L	-0.0012455	mg/L	14:58:52
1	Cu 327.397†	158.7	-33.4	-0.0054247	mg/L	-0.0054247	mg/L	14:58:31
1	Mn 257.610†	218.4	-39.6	-0.0017575	mg/L	-0.0017575	mg/L	14:58:52
1	Mo 202.031†	91.7	-5.2	-0.0019383	mg/L	-0.0019383	mg/L	14:58:52
1	Ni 231.604†	432.7	-48.3	-0.0056382	mg/L	-0.0056382	mg/L	14:58:52
1	Pb 220.353†	-18.7	10.6	0.0047711	mg/L	0.0047711	mg/L	14:58:52
1	Sb 217.584†	-45.5	6.8	-0.0004098	mg/L	-0.0004098	mg/L	14:58:52
1	Se 196.026†	-34.8	8.1	0.0107200	mg/L	0.0107200	mg/L	14:58:52
1	Si 251.611†	224.5	-76.6	-0.0215301	mg/L	-0.0215301	mg/L	14:58:52
1	Sn 189.927†	20.7	1.1	-0.0006598	mg/L	-0.0006598	mg/L	14:58:52

1	Tl 190.801†	-50.9	-0.3	-0.0021433 mg/L	-0.0021433 mg/L	14:58:52
1	V 292.395†	-1086.6	155.8	0.0026009 mg/L	0.0026009 mg/L	14:58:31
1	Zn 206.200†	-74.6	5.3	-0.0016589 mg/L	-0.0016589 mg/L	14:58:52
2	Y 360.076	158282.1	158282.1	110.484 %		14:58:05
2	Al 396.153†	164.6	-24.9	-0.0289294 mg/L	-0.0289294 mg/L	14:58:05
2	Ba 455.398†	39.4	29.0	-0.0009281 mg/L	-0.0009281 mg/L	14:58:05
2	Ca 315.887†	131.2	-12.9	-0.0226809 mg/L	-0.0226809 mg/L	14:58:25
2	Fe 238.204†	68.1	18.5	0.0082299 mg/L	0.0082299 mg/L	14:58:25
2	K 766.490	-18.9	-32.1	-0.0666476 mg/L	-0.0666476 mg/L	14:58:05
2	Li 670.784†	-26.9	-11.1	-0.0014087 mg/L	-0.0014087 mg/L	14:58:05
2	Mg 279.071†	20.1	3.1	-0.0142117 mg/L	-0.0142117 mg/L	14:58:25
2	Na 589.592†	686.6	-287.1	-0.0560354 mg/L	-0.0560354 mg/L	14:58:05
2	Sr 407.771†	923.3	90.8	-0.0009789 mg/L	-0.0009789 mg/L	14:58:05
2	Ti 334.940†	-11.7	-5.7	-0.0003486 mg/L	-0.0003486 mg/L	14:58:25
2	Sc 357.234	221620.8	221620.8	109.733 %		14:58:57
2	Ag 328.068†	41.4	-26.6	-0.0003725 mg/L	-0.0003725 mg/L	14:58:57
2	As 188.979†	-30.0	0.9	-0.0065922 mg/L	-0.0065922 mg/L	14:59:17
2	B 249.677†	476.4	-373.3	-0.0254573 mg/L	-0.0254573 mg/L	14:59:17
2	Be 234.861†	-813.1	93.9	0.0003113 mg/L	0.0003113 mg/L	14:59:17
2	Cd 214.437†	174.0	-54.4	-0.0038698 mg/L	-0.0038698 mg/L	14:59:17
2	Ce 413.764†	308.9	-123.9	-0.0037459 mg/L	-0.0037459 mg/L	14:58:57
2	Co 228.616†	-78.9	5.4	-0.0002184 mg/L	-0.0002184 mg/L	14:59:17
2	Cr 205.557†	-26.4	3.7	-0.0016121 mg/L	-0.0016121 mg/L	14:59:17
2	Cu 327.397†	173.3	-18.9	-0.0049704 mg/L	-0.0049704 mg/L	14:58:57
2	Mn 257.610†	209.5	-46.2	-0.0018092 mg/L	-0.0018092 mg/L	14:59:17
2	Mo 202.031†	97.1	0.3	-0.0011587 mg/L	-0.0011587 mg/L	14:59:17
2	Ni 231.604†	416.4	-60.1	-0.0067408 mg/L	-0.0067408 mg/L	14:59:17
2	Pb 220.353†	-18.4	10.8	0.0048855 mg/L	0.0048855 mg/L	14:59:17
2	Sb 217.584†	-37.8	13.5	0.0050737 mg/L	0.0050737 mg/L	14:59:17
2	Se 196.026†	-36.3	6.5	0.0073496 mg/L	0.0073496 mg/L	14:59:17
2	Si 251.611†	222.6	-76.8	-0.0215470 mg/L	-0.0215470 mg/L	14:59:17
2	Sn 189.927†	18.2	-1.1	-0.0018259 mg/L	-0.0018259 mg/L	14:59:17
2	Tl 190.801†	-55.8	-5.1	-0.0089886 mg/L	-0.0089886 mg/L	14:59:17
2	V 292.395†	-1154.4	86.3	0.0009558 mg/L	0.0009558 mg/L	14:58:57
2	Zn 206.200†	-74.9	4.5	-0.0017616 mg/L	-0.0017616 mg/L	14:59:17

Mean Data: 0B02016-CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	222487.3	110.162	%	0.6067				0.55%
Y 360.076	159737.0	111.500	%	1.4362				1.29%
Ag 328.068†	-10.6	-0.0001025	mg/L	0.00038193	-0.0001025	mg/L	0.00038193	372.74%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-5.3	-0.0223172	mg/L	0.00935101	-0.0223172	mg/L	0.00935101	41.90%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	0.6	-0.0072089	mg/L	0.00087214	-0.0072089	mg/L	0.00087214	12.10%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-371.4	-0.0253401	mg/L	0.00016565	-0.0253401	mg/L	0.00016565	0.65%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	5.8	-0.0010116	mg/L	0.00011811	-0.0010116	mg/L	0.00011811	11.68%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	94.7	0.0003159	mg/L	0.00000660	0.0003159	mg/L	0.00000660	2.09%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	-13.4	-0.0230811	mg/L	0.00056595	-0.0230811	mg/L	0.00056595	2.45%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	-46.4	-0.0035058	mg/L	0.00051481	-0.0035058	mg/L	0.00051481	14.68%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	-105.3	-0.0031812	mg/L	0.00079856	-0.0031812	mg/L	0.00079856	25.10%
Co 228.616†	5.3	-0.0002472	mg/L	0.00004067	-0.0002472	mg/L	0.00004067	16.45%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	5.6	-0.0014288	mg/L	0.00025922	-0.0014288	mg/L	0.00025922	18.14%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	-26.2	-0.0051976	mg/L	0.00032126	-0.0051976	mg/L	0.00032126	6.18%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	17.9	0.0079026	mg/L	0.00046292	0.0079026	mg/L	0.00046292	5.86%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	-32.9	-0.0679481	mg/L	0.00183919	-0.0679481	mg/L	0.00183919	2.71%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	-9.5	-0.0013619	mg/L	0.00006621	-0.0013619	mg/L	0.00006621	4.86%
QC value within limits for Li 670.784 Recovery = Not calculated								

Mg 279.071†	-1.1	-0.0238401 mg/L	0.01361656	-0.0238401 mg/L	0.01361656	57.12%
QC value within limits for Mg 279.071 Recovery = Not calculated						
Mn 257.610†	-42.9	-0.0017833 mg/L	0.00003657	-0.0017833 mg/L	0.00003657	2.05%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	-2.5	-0.0015485 mg/L	0.00055123	-0.0015485 mg/L	0.00055123	35.60%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	-289.9	-0.0564627 mg/L	0.00060422	-0.0564627 mg/L	0.00060422	1.07%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	-54.2	-0.0061895 mg/L	0.00077963	-0.0061895 mg/L	0.00077963	12.60%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	10.7	0.0048283 mg/L	0.00008089	0.0048283 mg/L	0.00008089	1.68%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 217.584†	10.2	0.0023320 mg/L	0.00387737	0.0023320 mg/L	0.00387737	166.27%
QC value within limits for Sb 217.584 Recovery = Not calculated						
Se 196.026†	7.3	0.0090348 mg/L	0.00238329	0.0090348 mg/L	0.00238329	26.38%
QC value within limits for Se 196.026 Recovery = Not calculated						
Si 251.611†	-76.7	-0.0215385 mg/L	0.00001195	-0.0215385 mg/L	0.00001195	0.06%
QC value within limits for Si 251.611 Recovery = Not calculated						
Sn 189.927†	-0.0	-0.0012429 mg/L	0.00082454	-0.0012429 mg/L	0.00082454	66.34%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	87.0	-0.0009840 mg/L	0.00000723	-0.0009840 mg/L	0.00000723	0.74%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 334.940†	-5.4	-0.0003300 mg/L	0.00002622	-0.0003300 mg/L	0.00002622	7.94%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Tl 190.801†	-2.7	-0.0055660 mg/L	0.00484034	-0.0055660 mg/L	0.00484034	86.96%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.395†	121.0	0.0017784 mg/L	0.00116329	0.0017784 mg/L	0.00116329	65.41%
QC value within limits for V 292.395 Recovery = Not calculated						
Zn 206.200†	4.9	-0.0017102 mg/L	0.00007265	-0.0017102 mg/L	0.00007265	4.25%
QC value within limits for Zn 206.200 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 46
Sample ID: 0B02016-srd3
Analyst:
Initial Sample Wt:
Dilution: 50X

Autosampler Location: 47
Data Collected: 2/5/2010 3:00:32 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B02016-srd3

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	158970.8	158970.8	110.965	%			15:01:38
1	Al 396.153†	2714.2	2272.1	0.745836	mg/L	37.2918	mg/L	15:01:58
1	Ba 455.398†	2866.2	2576.4	0.0082059	mg/L	0.410296	mg/L	15:01:38
1	Ca 315.887†	6625.3	5839.0	4.37556	mg/L	218.778	mg/L	15:01:58
1	Fe 238.204†	5280.8	4715.8	2.24916	mg/L	112.458	mg/L	15:01:58
1	K 766.490	52.7	39.5	0.0485583	mg/L	2.42791	mg/L	15:01:58
1	Li 670.784†	82.5	87.7	0.0015132	mg/L	0.0756579	mg/L	15:01:58
1	Mg 279.071†	863.2	762.8	1.74207	mg/L	87.1037	mg/L	15:01:58
1	Na 589.592†	753.6	-229.5	-0.0470255	mg/L	-2.35127	mg/L	15:01:58
1	Sr 407.771†	5145.0	3891.7	0.0041921	mg/L	0.209605	mg/L	15:01:38
1	Ti 334.940†	615.1	559.2	0.0400829	mg/L	2.00415	mg/L	15:01:58
1	Sc 357.234	224563.8	224563.8	111.190	%			15:02:30
1	Ag 328.068†	-26.7	-88.3	-0.0010406	mg/L	-0.0520306	mg/L	15:02:30
1	As 188.979†	-30.4	0.9	-0.0068869	mg/L	-0.344346	mg/L	15:02:50
1	B 249.677†	420.1	-429.6	-0.0286991	mg/L	-1.43495	mg/L	15:02:50
1	Be 234.861†	-645.4	254.5	0.0004313	mg/L	0.0215651	mg/L	15:02:30
1	Cd 214.437†	202.6	-30.7	-0.0032516	mg/L	-0.162582	mg/L	15:02:50
1	Ce 413.764†	471.8	18.8	0.0005553	mg/L	0.0277625	mg/L	15:02:30
1	Co 228.616†	-73.0	11.7	0.0007806	mg/L	0.0390312	mg/L	15:02:50
1	Cr 205.557†	-6.2	22.3	0.0003549	mg/L	0.0177468	mg/L	15:02:50
1	Cu 327.397†	192.2	-4.0	-0.0044750	mg/L	-0.223752	mg/L	15:02:30
1	Mn 257.610†	12052.5	10602.4	0.0818480	mg/L	4.09240	mg/L	15:02:30
1	Mo 202.031†	91.1	-6.2	-0.0020783	mg/L	-0.103917	mg/L	15:02:50
1	Ni 231.604†	456.7	-28.9	-0.0038203	mg/L	-0.191013	mg/L	15:02:50
1	Pb 220.353†	-18.7	10.8	0.0048637	mg/L	0.243185	mg/L	15:02:50
1	Sb 217.584†	-62.1	-7.9	-0.0058218	mg/L	-0.291089	mg/L	15:02:50
1	Se 196.026†	-37.9	5.5	0.0077373	mg/L	0.386867	mg/L	15:02:50
1	Si 251.611†	729.6	376.5	0.0223631	mg/L	1.11815	mg/L	15:02:50

1	Sn 189.927†	-0.3	-18.0	-0.0099699 mg/L	-0.498493 mg/L	15:02:50
1	Tl 190.801†	-40.8	9.0	0.0113910 mg/L	0.569552 mg/L	15:02:50
1	V 292.395†	-991.4	246.8	0.0043286 mg/L	0.216432 mg/L	15:02:50
1	Zn 206.200†	-15.3	59.0	0.0048200 mg/L	0.240999 mg/L	15:02:50
2	Y 360.076	160752.3	160752.3	112.209 %		15:02:03
2	Al 396.153†	2718.8	2249.1	0.738059 mg/L	36.9029 mg/L	15:02:23
2	Ba 455.398†	2950.6	2623.0	0.0083728 mg/L	0.418639 mg/L	15:02:03
2	Ca 315.887†	6638.0	5784.2	4.33436 mg/L	216.718 mg/L	15:02:23
2	Fe 238.204†	5293.7	4674.6	2.22950 mg/L	111.475 mg/L	15:02:23
2	K 766.490	50.8	37.7	0.0455969 mg/L	2.27985 mg/L	15:02:23
2	Li 670.784†	89.0	92.7	0.0016604 mg/L	0.0830186 mg/L	15:02:23
2	Mg 279.071†	859.4	750.8	1.71424 mg/L	85.7120 mg/L	15:02:23
2	Na 589.592†	745.4	-244.2	-0.0493307 mg/L	-2.46653 mg/L	15:02:23
2	Sr 407.771†	5210.4	3898.6	0.0042015 mg/L	0.210074 mg/L	15:02:03
2	Ti 334.940†	603.5	542.8	0.0389085 mg/L	1.94543 mg/L	15:02:23
2	Sc 357.234	223957.4	223957.4	110.890 %		15:02:55
2	Ag 328.068†	-16.0	-78.7	-0.0008930 mg/L	-0.0446515 mg/L	15:02:55
2	As 188.979†	-28.2	2.8	-0.0036666 mg/L	-0.183332 mg/L	15:03:15
2	B 249.677†	429.4	-420.2	-0.0281254 mg/L	-1.40627 mg/L	15:03:15
2	Be 234.861†	-696.0	207.2	0.0001796 mg/L	0.0089793 mg/L	15:02:55
2	Cd 214.437†	209.1	-24.4	-0.0029578 mg/L	-0.147891 mg/L	15:03:15
2	Ce 413.764†	395.4	-48.9	-0.0014909 mg/L	-0.0745450 mg/L	15:02:55
2	Co 228.616†	-70.8	13.5	0.0011168 mg/L	0.0558408 mg/L	15:03:15
2	Cr 205.557†	-9.0	19.7	0.0000978 mg/L	0.0048886 mg/L	15:03:15
2	Cu 327.397†	196.3	0.1	-0.0043444 mg/L	-0.217218 mg/L	15:02:55
2	Mn 257.610†	12022.5	10604.7	0.0818655 mg/L	4.09328 mg/L	15:02:55
2	Mo 202.031†	99.9	1.9	-0.0009371 mg/L	-0.0468572 mg/L	15:03:15
2	Ni 231.604†	447.9	-35.7	-0.0044561 mg/L	-0.222807 mg/L	15:03:15
2	Pb 220.353†	-24.8	5.3	0.0016007 mg/L	0.0800354 mg/L	15:03:15
2	Sb 217.584†	-56.8	-3.3	-0.0020885 mg/L	-0.104426 mg/L	15:03:15
2	Se 196.026†	-40.2	3.4	0.0031646 mg/L	0.158228 mg/L	15:03:15
2	Si 251.611†	832.2	470.8	0.0316154 mg/L	1.58077 mg/L	15:03:15
2	Sn 189.927†	-0.6	-18.2	-0.0100853 mg/L	-0.504263 mg/L	15:03:15
2	Tl 190.801†	-47.4	3.0	0.0027919 mg/L	0.139597 mg/L	15:03:15
2	V 292.395†	-977.9	256.5	0.0045772 mg/L	0.228860 mg/L	15:03:15
2	Zn 206.200†	-13.2	60.9	0.0050586 mg/L	0.252932 mg/L	15:03:15

Mean Data: 0B02016-srd3

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	224260.6	111.040	%	0.2123				0.19%
Y 360.076	159861.6	111.587	%	0.8793				0.79%
Ag 328.068†	-83.5	-0.0009668	mg/L	0.00010436	-0.0483410	mg/L	0.00521781	10.79%
Al 396.153†	2260.6	0.741947	mg/L	0.0054992	37.0974	mg/L	0.27496	0.74%
As 188.979†	1.9	-0.0052768	mg/L	0.00227709	-0.263839	mg/L	0.1138543	43.15%
B 249.677†	-424.9	-0.0284123	mg/L	0.00040565	-1.42061	mg/L	0.020283	1.43%
Ba 455.398†	2599.7	0.0082894	mg/L	0.00011800	0.414468	mg/L	0.0058998	1.42%
Be 234.861†	230.9	0.0003054	mg/L	0.00017799	0.0152722	mg/L	0.00889951	58.27%
Ca 315.887†	5811.6	4.35496	mg/L	0.029133	217.748	mg/L	1.4566	0.67%
Cd 214.437†	-27.6	-0.0031047	mg/L	0.00020776	-0.155236	mg/L	0.0103881	6.69%
Ce 413.764†	-15.0	-0.0004678	mg/L	0.00144685	-0.0233913	mg/L	0.07234236	309.27%
Co 228.616†	12.6	0.0009487	mg/L	0.00023772	0.0474360	mg/L	0.01188614	25.06%
Cr 205.557†	21.0	0.0002264	mg/L	0.00018184	0.0113177	mg/L	0.00909211	80.34%
Cu 327.397†	-1.9	-0.0044097	mg/L	0.00009240	-0.220485	mg/L	0.0046202	2.10%
Fe 238.204†	4695.2	2.23933	mg/L	0.013908	111.967	mg/L	0.6954	0.62%
K 766.490	38.6	0.0470776	mg/L	0.00209397	2.35388	mg/L	0.104699	4.45%
Li 670.784†	90.2	0.0015868	mg/L	0.00010410	0.0793383	mg/L	0.00520478	6.56%
Mg 279.071†	756.8	1.72816	mg/L	0.019680	86.4079	mg/L	0.98402	1.14%
Mn 257.610†	10603.5	0.0818568	mg/L	0.00001234	4.09284	mg/L	0.000617	0.02%
Mo 202.031†	-2.2	-0.0015077	mg/L	0.00080694	-0.0753870	mg/L	0.04034724	53.52%
Na 589.592†	-236.8	-0.0481781	mg/L	0.00162999	-2.40890	mg/L	0.081500	3.38%
Ni 231.604†	-32.3	-0.0041382	mg/L	0.00044964	-0.206910	mg/L	0.0224818	10.87%
Pb 220.353†	8.0	0.0032322	mg/L	0.00230729	0.161610	mg/L	0.1153645	71.38%
Sb 217.584†	-5.6	-0.0039551	mg/L	0.00263981	-0.197757	mg/L	0.1319906	66.74%
Se 196.026†	4.4	0.0054509	mg/L	0.00323345	0.272547	mg/L	0.1616726	59.32%
Si 251.611†	423.6	0.0269892	mg/L	0.00654239	1.34946	mg/L	0.327120	24.24%
Sn 189.927†	-18.1	-0.0100276	mg/L	0.00008160	-0.501378	mg/L	0.0040801	0.81%
Sr 407.771†	3895.1	0.0041968	mg/L	0.00000662	0.209839	mg/L	0.0003311	0.16%
Ti 334.940†	551.0	0.0394957	mg/L	0.00083042	1.97479	mg/L	0.041521	2.10%
Tl 190.801†	6.0	0.0070915	mg/L	0.00608048	0.354575	mg/L	0.3040239	85.74%

V 292.395†	251.6	0.0044529 mg/L	0.00017576	0.222646 mg/L	0.0087880	3.95%
Zn 206.200†	59.9	0.0049393 mg/L	0.00016876	0.246966 mg/L	0.0084382	3.42%

Sequence No.: 47
Sample ID: 1000787-ps3
Analyst:
Initial Sample Wt:
Dilution: 10X

Autosampler Location: 48
Date Collected: 2/5/2010 3:04:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000787-ps3

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	160530.1	160530.1	112.053	%			15:05:37
1	Al 396.153†	16935.5	14939.9	5.01511	mg/L	50.1511	mg/L	15:05:42
1	Ba 455.398†	90481.1	80741.6	0.288479	mg/L	2.88479	mg/L	15:05:37
1	Ca 315.887†	50784.8	45190.3	33.9519	mg/L	339.519	mg/L	15:05:42
1	Fe 238.204†	26787.7	23863.1	11.3829	mg/L	113.829	mg/L	15:05:42
1	K 766.490	8548.8	8535.7	13.7207	mg/L	137.207	mg/L	15:05:42
1	Li 670.784†	9444.3	8441.7	0.248723	mg/L	2.48723	mg/L	15:05:42
1	Mg 279.071†	10101.8	9000.1	20.7840	mg/L	207.840	mg/L	15:05:42
1	Na 589.592†	87945.7	77576.9	12.1091	mg/L	121.091	mg/L	15:05:37
1	Sr 407.771†	222841.5	198125.8	0.268441	mg/L	2.68441	mg/L	15:05:37
1	Ti 334.940†	6799.7	6073.1	0.434772	mg/L	4.34772	mg/L	15:05:42
1	Sc 357.234	223683.0	223683.0	110.754	%			15:05:59
1	Ag 328.068†	15121.6	13589.0	0.229327	mg/L	2.29327	mg/L	15:05:59
1	As 188.979†	776.5	729.4	1.21933	mg/L	12.1933	mg/L	15:06:19
1	B 249.677†	4739.1	3471.6	0.211665	mg/L	2.11665	mg/L	15:06:19
1	Be 234.861†	4928.8	5285.1	0.0248609	mg/L	0.248609	mg/L	15:05:59
1	Cd 214.437†	6128.5	5320.4	0.237840	mg/L	2.37840	mg/L	15:06:19
1	Ce 413.764†	880.0	389.0	0.0116450	mg/L	0.116450	mg/L	15:05:59
1	Co 228.616†	1390.4	1332.7	0.244693	mg/L	2.44693	mg/L	15:06:19
1	Cr 205.557†	2767.6	2526.7	0.247786	mg/L	2.47786	mg/L	15:06:19
1	Cu 327.397†	9016.2	7963.9	0.246747	mg/L	2.46747	mg/L	15:05:59
1	Mn 257.610†	92963.6	83699.7	0.655880	mg/L	6.55880	mg/L	15:05:59
1	Mo 202.031†	2029.3	1744.1	0.243002	mg/L	2.43002	mg/L	15:06:19
1	Ni 231.604†	3424.4	2652.3	0.247431	mg/L	2.47431	mg/L	15:06:19
1	Pb 220.353†	467.0	449.3	0.264221	mg/L	2.64221	mg/L	15:06:19
1	Sb 217.584†	1503.8	1405.7	1.18749	mg/L	11.8749	mg/L	15:06:19
1	Se 196.026†	608.1	588.7	1.26547	mg/L	12.6547	mg/L	15:06:19
1	Si 251.611†	16195.5	14343.3	1.38206	mg/L	13.8206	mg/L	15:05:59
1	Sn 189.927†	2361.5	2114.6	1.14887	mg/L	11.4887	mg/L	15:06:19
1	Tl 190.801†	913.6	870.7	1.22982	mg/L	12.2982	mg/L	15:06:19
1	V 292.395†	10918.2	10996.4	0.260819	mg/L	2.60819	mg/L	15:06:19
1	Zn 206.200†	2364.9	2208.0	0.270915	mg/L	2.70915	mg/L	15:06:19
2	Y 360.076	159870.8	159870.8	111.593	%			15:05:47
2	Al 396.153†	16911.4	14980.6	5.02880	mg/L	50.2880	mg/L	15:05:52
2	Ba 455.398†	90070.0	80706.2	0.288352	mg/L	2.88352	mg/L	15:05:47
2	Ca 315.887†	50789.4	45381.4	34.0955	mg/L	340.955	mg/L	15:05:52
2	Fe 238.204†	26827.3	23997.2	11.4469	mg/L	114.469	mg/L	15:05:52
2	K 766.490	8562.2	8549.0	13.7421	mg/L	137.421	mg/L	15:05:52
2	Li 670.784†	9461.9	8492.2	0.250217	mg/L	2.50217	mg/L	15:05:52
2	Mg 279.071†	10105.8	9040.8	20.8782	mg/L	208.782	mg/L	15:05:52
2	Na 589.592†	87477.5	77481.0	12.0941	mg/L	120.941	mg/L	15:05:47
2	Sr 407.771†	221683.3	197908.1	0.268145	mg/L	2.68145	mg/L	15:05:47
2	Ti 334.940†	6813.6	6110.6	0.437453	mg/L	4.37453	mg/L	15:05:52
2	Sc 357.234	221782.6	221782.6	109.813	%			15:06:24
2	Ag 328.068†	15068.3	13657.4	0.230490	mg/L	2.30490	mg/L	15:06:24
2	As 188.979†	782.5	740.8	1.23865	mg/L	12.3865	mg/L	15:06:44
2	B 249.677†	4767.5	3534.0	0.215510	mg/L	2.15510	mg/L	15:06:44
2	Be 234.861†	4946.4	5339.3	0.0251357	mg/L	0.251357	mg/L	15:06:24
2	Cd 214.437†	6164.5	5400.7	0.241472	mg/L	2.41472	mg/L	15:06:44
2	Ce 413.764†	925.2	437.0	0.0130953	mg/L	0.130953	mg/L	15:06:24
2	Co 228.616†	1395.5	1348.1	0.247538	mg/L	2.47538	mg/L	15:06:44
2	Cr 205.557†	2770.9	2551.1	0.250197	mg/L	2.50197	mg/L	15:06:44
2	Cu 327.397†	9013.0	8030.6	0.248853	mg/L	2.48853	mg/L	15:06:24
2	Mn 257.610†	92575.2	84065.3	0.658752	mg/L	6.58752	mg/L	15:06:24
2	Mo 202.031†	2047.1	1776.0	0.247473	mg/L	2.47473	mg/L	15:06:44
2	Ni 231.604†	3437.6	2690.8	0.251041	mg/L	2.51041	mg/L	15:06:44
2	Pb 220.353†	480.2	464.9	0.273491	mg/L	2.73491	mg/L	15:06:44

2	Sb 217.584†	1511.3	1424.2	1.20295 mg/L	12.0295 mg/L	15:06:44
2	Se 196.026†	613.8	598.5	1.28664 mg/L	12.8664 mg/L	15:06:44
2	Si 251.611†	16151.4	14428.4	1.39034 mg/L	13.9034 mg/L	15:06:24
2	Sn 189.927†	2371.7	2142.1	1.16377 mg/L	11.6377 mg/L	15:06:44
2	Tl 190.801†	919.8	883.3	1.24773 mg/L	12.4773 mg/L	15:06:44
2	V 292.395†	10969.8	11127.9	0.263983 mg/L	2.63983 mg/L	15:06:44
2	Zn 206.200†	2379.9	2240.0	0.274881 mg/L	2.74881 mg/L	15:06:44

Mean Data: 1000787-ps3

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	222732.8	110.284	%	0.6654				0.60%
Y 360.076	160200.4	111.823	%	0.3254				0.29%
Ag 328.068†	13623.2	0.229908	mg/L	0.0008219	2.29908	mg/L	0.008219	0.36%
Al 396.153†	14960.3	5.02196	mg/L	0.009677	50.2196	mg/L	0.09677	0.19%
As 188.979†	735.1	1.22899	mg/L	0.013659	12.2899	mg/L	0.13659	1.11%
B 249.677†	3502.8	0.213588	mg/L	0.0027191	2.13588	mg/L	0.027191	1.27%
Ba 455.398†	80723.9	0.288416	mg/L	0.0000898	2.88416	mg/L	0.000898	0.03%
Be 234.861†	5312.2	0.0249983	mg/L	0.00019431	0.249983	mg/L	0.0019431	0.78%
Ca 315.887†	45285.9	34.0237	mg/L	0.10156	340.237	mg/L	1.0156	0.30%
Cd 214.437†	5360.6	0.239656	mg/L	0.0025683	2.39656	mg/L	0.025683	1.07%
Ce 413.764†	413.0	0.0123702	mg/L	0.00102555	0.123702	mg/L	0.0102555	8.29%
Co 228.616†	1340.4	0.246116	mg/L	0.0020116	2.46116	mg/L	0.020116	0.82%
Cr 205.557†	2538.9	0.248991	mg/L	0.0017045	2.48991	mg/L	0.017045	0.68%
Cu 327.397†	7997.3	0.247800	mg/L	0.0014889	2.47800	mg/L	0.014889	0.60%
Fe 238.204†	23930.1	11.4149	mg/L	0.04524	114.149	mg/L	0.4524	0.40%
K 766.490	8542.3	13.7314	mg/L	0.01517	137.314	mg/L	0.1517	0.11%
Li 670.784†	8466.9	0.249470	mg/L	0.0010562	2.49470	mg/L	0.010562	0.42%
Mg 279.071†	9020.5	20.8311	mg/L	0.06662	208.311	mg/L	0.6662	0.32%
Mn 257.610†	83882.5	0.657316	mg/L	0.0020306	6.57316	mg/L	0.020306	0.31%
Mo 202.031†	1760.0	0.245238	mg/L	0.0031615	2.45238	mg/L	0.031615	1.29%
Na 589.592†	77529.0	12.1016	mg/L	0.01059	121.016	mg/L	0.1059	0.09%
Ni 231.604†	2671.6	0.249236	mg/L	0.0025526	2.49236	mg/L	0.025526	1.02%
Pb 220.353†	457.1	0.268856	mg/L	0.0065548	2.68856	mg/L	0.065548	2.44%
Sb 217.584†	1415.0	1.19522	mg/L	0.010933	11.9522	mg/L	0.10933	0.91%
Se 196.026†	593.6	1.27605	mg/L	0.014970	12.7605	mg/L	0.14970	1.17%
Si 251.611†	14385.8	1.38620	mg/L	0.005856	13.8620	mg/L	0.05856	0.42%
Sn 189.927†	2128.3	1.15632	mg/L	0.010540	11.5632	mg/L	0.10540	0.91%
Sr 407.771†	198017.0	0.268293	mg/L	0.0002094	2.68293	mg/L	0.002094	0.08%
Ti 334.940†	6091.9	0.436112	mg/L	0.0018961	4.36112	mg/L	0.018961	0.43%
Tl 190.801†	877.0	1.23878	mg/L	0.012660	12.3878	mg/L	0.12660	1.02%
V 292.395†	11062.2	0.262401	mg/L	0.0022369	2.62401	mg/L	0.022369	0.85%
Zn 206.200†	2224.0	0.272898	mg/L	0.0028045	2.72898	mg/L	0.028045	1.03%

Sequence No.: 48
Sample ID: 0B02016-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 2/5/2010 3:07:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B02016-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 360.076	160026.3	160026.3	111.702	%			15:09:04
1	Al 396.153†	8461.0	7400.7	2.46421	mg/L	2.46421	mg/L	15:09:04
1	Ba 455.398†	156226.2	139853.4	0.500434	mg/L	0.500434	mg/L	15:09:04
1	Ca 315.887†	7603.2	6675.0	5.00394	mg/L	5.00394	mg/L	15:09:24
1	Fe 238.204†	1249.8	1075.8	0.511966	mg/L	0.511966	mg/L	15:09:24
1	K 766.490	3428.9	3415.8	5.48167	mg/L	5.48167	mg/L	15:09:24
1	Li 670.784†	18930.7	16960.9	0.500819	mg/L	0.500819	mg/L	15:09:04
1	Mg 279.071†	2420.5	2151.9	4.95305	mg/L	4.95305	mg/L	15:09:24
1	Na 589.592†	36478.0	31748.1	4.94900	mg/L	4.94900	mg/L	15:09:04
1	Sr 407.771†	411629.4	367762.6	0.499225	mg/L	0.499225	mg/L	15:09:04
1	Ti 334.940†	7785.3	6974.6	0.499300	mg/L	0.499300	mg/L	15:09:24
1	Sc 357.234	223881.7	223881.7	110.852	%			15:09:55
1	Ag 328.068†	32818.5	29541.3	0.494339	mg/L	0.494339	mg/L	15:09:55
1	As 188.979†	1624.3	1493.5	2.50819	mg/L	2.50819	mg/L	15:10:15
1	B 249.677†	9431.4	7700.6	0.470160	mg/L	0.470160	mg/L	15:09:55

1	Be 234.861†	9257.7	9186.3	0.0498825 mg/L	0.0498825 mg/L	15:10:15
1	Cd 214.437†	12468.6	11035.0	0.499516 mg/L	0.499516 mg/L	15:10:15
1	Ce 413.764†	366.5	-74.9	-0.0023544 mg/L	-0.0023544 mg/L	15:09:55
1	Co 228.616†	2913.0	2705.2	0.499591 mg/L	0.499591 mg/L	15:10:15
1	Cr 205.557†	5621.4	5098.9	0.500674 mg/L	0.500674 mg/L	15:10:15
1	Cu 327.397†	17653.9	15748.6	0.491996 mg/L	0.491996 mg/L	15:09:55
1	Mn 257.610†	70941.7	63759.3	0.498974 mg/L	0.498974 mg/L	15:09:55
1	Mo 202.031†	4080.9	3593.2	0.501919 mg/L	0.501919 mg/L	15:10:15
1	Ni 231.604†	6424.6	5356.0	0.500800 mg/L	0.500800 mg/L	15:10:15
1	Pb 220.353†	931.5	867.9	0.511643 mg/L	0.511643 mg/L	15:10:15
1	Sb 217.584†	3331.3	3053.1	2.51349 mg/L	2.51349 mg/L	15:10:15
1	Se 196.026†	1294.6	1207.4	2.57561 mg/L	2.57561 mg/L	15:10:15
1	Si 251.611†	28605.4	25525.3	2.47258 mg/L	2.47258 mg/L	15:09:55
1	Sn 189.927†	5064.9	4551.4	2.45938 mg/L	2.45938 mg/L	15:10:15
1	Tl 190.801†	1922.6	1780.1	2.51238 mg/L	2.51238 mg/L	15:10:15
1	V 292.395†	22102.4	21076.9	0.505400 mg/L	0.505400 mg/L	15:09:55
1	Zn 206.200†	4399.8	4041.8	0.500060 mg/L	0.500060 mg/L	15:10:15
2	Y 360.076	158646.4	158646.4	110.739 %		15:09:29
2	Al 396.153†	8458.2	7464.1	2.48560 mg/L	2.48560 mg/L	15:09:29
2	Ba 455.398†	155650.7	140550.2	0.502932 mg/L	0.502932 mg/L	15:09:29
2	Ca 315.887†	7605.5	6736.4	5.05005 mg/L	5.05005 mg/L	15:09:49
2	Fe 238.204†	1231.9	1069.3	0.508902 mg/L	0.508902 mg/L	15:09:49
2	K 766.490	3404.2	3391.1	5.44193 mg/L	5.44193 mg/L	15:09:49
2	Li 670.784†	18833.6	17020.5	0.502585 mg/L	0.502585 mg/L	15:09:29
2	Mg 279.071†	2416.9	2167.5	4.98915 mg/L	4.98915 mg/L	15:09:49
2	Na 589.592†	36250.9	31827.0	4.96133 mg/L	4.96133 mg/L	15:09:29
2	Sr 407.771†	410237.6	369710.9	0.501876 mg/L	0.501876 mg/L	15:09:29
2	Ti 334.940†	7773.6	7024.7	0.502882 mg/L	0.502882 mg/L	15:09:49
2	Sc 357.234	225398.4	225398.4	111.603 %		15:10:20
2	Ag 328.068†	33104.8	29598.6	0.495302 mg/L	0.495302 mg/L	15:10:20
2	As 188.979†	1632.4	1491.0	2.50383 mg/L	2.50383 mg/L	15:10:41
2	B 249.677†	9578.4	7775.1	0.474749 mg/L	0.474749 mg/L	15:10:20
2	Be 234.861†	9284.8	9154.4	0.0497088 mg/L	0.0497088 mg/L	15:10:41
2	Cd 214.437†	12472.3	10962.6	0.496229 mg/L	0.496229 mg/L	15:10:41
2	Ce 413.764†	404.2	-43.3	-0.0014007 mg/L	-0.0014007 mg/L	15:10:20
2	Co 228.616†	2911.9	2686.5	0.496120 mg/L	0.496120 mg/L	15:10:41
2	Cr 205.557†	5629.8	5072.3	0.498050 mg/L	0.498050 mg/L	15:10:41
2	Cu 327.397†	17773.7	15748.8	0.492005 mg/L	0.492005 mg/L	15:10:20
2	Mn 257.610†	71558.4	63881.3	0.499930 mg/L	0.499930 mg/L	15:10:20
2	Mo 202.031†	4091.4	3577.9	0.499768 mg/L	0.499768 mg/L	15:10:41
2	Ni 231.604†	6438.5	5329.5	0.498320 mg/L	0.498320 mg/L	15:10:41
2	Pb 220.353†	925.2	856.6	0.504973 mg/L	0.504973 mg/L	15:10:41
2	Sb 217.584†	3340.2	3040.9	2.50338 mg/L	2.50338 mg/L	15:10:41
2	Se 196.026†	1299.6	1204.1	2.56842 mg/L	2.56842 mg/L	15:10:41
2	Si 251.611†	28774.1	25502.8	2.47028 mg/L	2.47028 mg/L	15:10:20
2	Sn 189.927†	5053.1	4510.1	2.43704 mg/L	2.43704 mg/L	15:10:41
2	Tl 190.801†	1920.0	1766.1	2.49258 mg/L	2.49258 mg/L	15:10:41
2	V 292.395†	22306.8	21125.9	0.506541 mg/L	0.506541 mg/L	15:10:20
2	Zn 206.200†	4436.6	4048.0	0.500832 mg/L	0.500832 mg/L	15:10:41

Mean Data: 0B02016-CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	224640.0	111.228	%	0.5310				0.48%
Y 360.076	159336.4	111.220	%	0.6811				0.61%
Ag 328.068†	29569.9	0.494821	mg/L	0.0006813	0.494821	mg/L	0.0006813	0.14%
QC value within limits for Ag 328.068 Recovery = 98.96%								
Al 396.153†	7432.4	2.47490	mg/L	0.015126	2.47490	mg/L	0.015126	0.61%
QC value within limits for Al 396.153 Recovery = 99.00%								
As 188.979†	1492.2	2.50601	mg/L	0.003083	2.50601	mg/L	0.003083	0.12%
QC value within limits for As 188.979 Recovery = 100.24%								
B 249.677†	7737.9	0.472454	mg/L	0.0032449	0.472454	mg/L	0.0032449	0.69%
QC value within limits for B 249.677 Recovery = 94.49%								
Ba 455.398†	140201.8	0.501683	mg/L	0.0017667	0.501683	mg/L	0.0017667	0.35%
QC value within limits for Ba 455.398 Recovery = 100.34%								
Be 234.861†	9170.3	0.0497956	mg/L	0.00012285	0.0497956	mg/L	0.00012285	0.25%
QC value within limits for Be 234.861 Recovery = 99.59%								
Ca 315.887†	6705.7	5.02700	mg/L	0.032607	5.02700	mg/L	0.032607	0.65%
QC value within limits for Ca 315.887 Recovery = 100.54%								
Cd 214.437†	10998.8	0.497873	mg/L	0.0023242	0.497873	mg/L	0.0023242	0.47%

00311

QC value within limits for Cd 214.437 Recovery = 99.57%

Ce 413.764†	-59.1	-0.0018776 mg/L	0.00067436	-0.0018776 mg/L	0.00067436	35.92%
Co 228.616†	2695.8	0.497856 mg/L	0.0024540	0.497856 mg/L	0.0024540	0.49%

QC value within limits for Co 228.616 Recovery = 99.57%

Cr 205.557†	5085.6	0.499362 mg/L	0.0018558	0.499362 mg/L	0.0018558	0.37%

QC value within limits for Cr 205.557 Recovery = 99.87%

Cu 327.397†	15748.7	0.492000 mg/L	0.0000065	0.492000 mg/L	0.0000065	0.00%

QC value within limits for Cu 327.397 Recovery = 98.40%

Fe 238.204†	1072.6	0.510434 mg/L	0.0021665	0.510434 mg/L	0.0021665	0.42%

QC value within limits for Fe 238.204 Recovery = 102.09%

K 766.490	3403.4	5.46180 mg/L	0.028102	5.46180 mg/L	0.028102	0.51%

QC value within limits for K 766.490 Recovery = 109.24%

Li 670.784†	16990.7	0.501702 mg/L	0.0012485	0.501702 mg/L	0.0012485	0.25%

QC value within limits for Li 670.784 Recovery = 100.34%

Mg 279.071†	2159.7	4.97110 mg/L	0.025525	4.97110 mg/L	0.025525	0.51%

QC value within limits for Mg 279.071 Recovery = 99.42%

Mn 257.610†	63820.3	0.499452 mg/L	0.0006767	0.499452 mg/L	0.0006767	0.14%

QC value within limits for Mn 257.610 Recovery = 99.89%

Mo 202.031†	3585.5	0.500843 mg/L	0.0015208	0.500843 mg/L	0.0015208	0.30%

QC value within limits for Mo 202.031 Recovery = 100.17%

Na 589.592†	31787.5	4.95516 mg/L	0.008719	4.95516 mg/L	0.008719	0.18%

QC value within limits for Na 589.592 Recovery = 99.10%

Ni 231.604†	5342.8	0.499560 mg/L	0.0017535	0.499560 mg/L	0.0017535	0.35%

QC value within limits for Ni 231.604 Recovery = 99.91%

Pb 220.353†	862.3	0.508308 mg/L	0.0047167	0.508308 mg/L	0.0047167	0.93%

QC value within limits for Pb 220.353 Recovery = 101.66%

Sb 217.584†	3047.0	2.50843 mg/L	0.007149	2.50843 mg/L	0.007149	0.28%

QC value within limits for Sb 217.584 Recovery = 100.34%

Se 196.026†	1205.8	2.57201 mg/L	0.005084	2.57201 mg/L	0.005084	0.20%

QC value within limits for Se 196.026 Recovery = 102.88%

Si 251.611†	25514.0	2.47143 mg/L	0.001623	2.47143 mg/L	0.001623	0.07%

QC value within limits for Si 251.611 Recovery = 98.86%

Sn 189.927†	4530.7	2.44821 mg/L	0.015792	2.44821 mg/L	0.015792	0.65%

QC value within limits for Sn 189.927 Recovery = 97.93%

Sr 407.771†	368736.7	0.500551 mg/L	0.0018743	0.500551 mg/L	0.0018743	0.37%

QC value within limits for Sr 407.771 Recovery = 100.11%

Ti 334.940†	6999.6	0.501091 mg/L	0.0025324	0.501091 mg/L	0.0025324	0.51%

QC value within limits for Ti 334.940 Recovery = 100.22%

Tl 190.801†	1773.1	2.50248 mg/L	0.013995	2.50248 mg/L	0.013995	0.56%

QC value within limits for Tl 190.801 Recovery = 100.10%

V 292.395†	21101.4	0.505971 mg/L	0.0008069	0.505971 mg/L	0.0008069	0.16%

QC value within limits for V 292.395 Recovery = 101.19%

Zn 206.200†	4044.9	0.500446 mg/L	0.0005460	0.500446 mg/L	0.0005460	0.11%

QC value within limits for Zn 206.200 Recovery = 100.09%

All analyte(s) passed QC.

==========

Sequence No.: 49 **Autosampler Location: 1**
Sample ID: 0B02016-CCB **Date Collected: 2/5/2010 3:11:57 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0B02016-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y 360.076	154105.3	154105.3	107.569	%			15:13:02
1	Al 396.153†	214.4	25.4	-0.0119566	mg/L	-0.0119566	mg/L	15:13:02
1	Ba 455.398†	58.8	48.1	-0.0008599	mg/L	-0.0008599	mg/L	15:13:02
1	Ca 315.887†	130.8	-10.0	-0.0205479	mg/L	-0.0205479	mg/L	15:13:22
1	Fe 238.204†	67.1	19.3	0.0085733	mg/L	0.0085733	mg/L	15:13:22
1	K 766.490	-27.5	-40.7	-0.0805169	mg/L	-0.0805169	mg/L	15:13:02
1	Li 670.784†	5.8	18.6	-0.0005296	mg/L	-0.0005296	mg/L	15:13:02
1	Mg 279.071†	16.7	0.4	-0.0203716	mg/L	-0.0203716	mg/L	15:13:22
1	Na 589.592†	709.9	-248.6	-0.0500218	mg/L	-0.0500218	mg/L	15:13:02
1	Sr 407.771†	940.0	128.9	-0.0009270	mg/L	-0.0009270	mg/L	15:13:02
1	Ti 334.940†	-9.3	-3.8	-0.0002120	mg/L	-0.0002120	mg/L	15:13:22
1	Sc 357.234	219905.0	219905.0	108.883	%			15:13:53
1	Ag 328.068†	-3.8	-67.8	-0.0010496	mg/L	-0.0010496	mg/L	15:13:53
1	As 188.979†	-24.9	5.4	0.0008387	mg/L	0.0008387	mg/L	15:14:13

1	B 249.677†	503.2	-345.3	-0.0237344 mg/L	-0.0237344 mg/L	15:14:13
1	Be 234.861†	-839.3	64.0	0.0001478 mg/L	0.0001478 mg/L	15:14:13
1	Cd 214.437†	186.4	-41.7	-0.0032940 mg/L	-0.0032940 mg/L	15:14:13
1	Ce 413.764†	392.3	-45.2	-0.0013668 mg/L	-0.0013668 mg/L	15:13:53
1	Co 228.616†	-75.7	7.8	0.0002182 mg/L	0.0002182 mg/L	15:14:13
1	Cr 205.557†	-27.7	2.4	-0.0017493 mg/L	-0.0017493 mg/L	15:14:13
1	Cu 327.397†	147.1	-41.8	-0.0056896 mg/L	-0.0056896 mg/L	15:13:53
1	Mn 257.610†	204.9	-49.0	-0.0018307 mg/L	-0.0018307 mg/L	15:14:13
1	Mo 202.031†	89.8	-5.7	-0.0019994 mg/L	-0.0019994 mg/L	15:14:13
1	Ni 231.604†	415.9	-57.6	-0.0065085 mg/L	-0.0065085 mg/L	15:14:13
1	Pb 220.353†	-31.1	-1.0	-0.0021262 mg/L	-0.0021262 mg/L	15:14:13
1	Sb 217.584†	-52.9	-0.7	-0.0065887 mg/L	-0.0065887 mg/L	15:14:13
1	Se 196.026†	-36.1	6.4	0.0070827 mg/L	0.0070827 mg/L	15:14:13
1	Si 251.611†	218.5	-79.0	-0.0217605 mg/L	-0.0217605 mg/L	15:14:13
1	Sn 189.927†	27.0	7.1	0.0026252 mg/L	0.0026252 mg/L	15:14:13
1	Tl 190.801†	-45.8	3.7	0.0034489 mg/L	0.0034489 mg/L	15:14:13
1	V 292.395†	-1112.7	116.5	0.0016642 mg/L	0.0016642 mg/L	15:14:13
1	Zn 206.200†	-74.7	4.1	-0.0018036 mg/L	-0.0018036 mg/L	15:14:13
2	Y 360.076	157807.4	157807.4	110.153 %		15:13:27
2	Al 396.153†	210.0	16.7	-0.0148889 mg/L	-0.0148889 mg/L	15:13:27
2	Ba 455.398†	61.8	49.5	-0.0008547 mg/L	-0.0008547 mg/L	15:13:27
2	Ca 315.887†	134.3	-9.7	-0.0202861 mg/L	-0.0202861 mg/L	15:13:47
2	Fe 238.204†	63.8	14.8	0.0064578 mg/L	0.0064578 mg/L	15:13:47
2	K 766.490	-6.9	-20.1	-0.0472858 mg/L	-0.0472858 mg/L	15:13:27
2	Li 670.784†	31.7	42.1	0.0001631 mg/L	0.0001631 mg/L	15:13:27
2	Mg 279.071†	16.2	-0.4	-0.0222993 mg/L	-0.0222993 mg/L	15:13:47
2	Na 589.592†	727.1	-248.5	-0.0499978 mg/L	-0.0499978 mg/L	15:13:27
2	Sr 407.771†	932.9	102.0	-0.0009636 mg/L	-0.0009636 mg/L	15:13:27
2	Ti 334.940†	-8.4	-2.7	-0.0001356 mg/L	-0.0001356 mg/L	15:13:47
2	Sc 357.234	219762.8	219762.8	108.813 %		15:14:18
2	Ag 328.068†	25.2	-41.2	-0.0006094 mg/L	-0.0006094 mg/L	15:14:18
2	As 188.979†	-31.2	-0.5	-0.0089812 mg/L	-0.0089812 mg/L	15:14:38
2	B 249.677†	485.4	-361.4	-0.0247246 mg/L	-0.0247246 mg/L	15:14:38
2	Be 234.861†	-828.0	74.0	0.0002029 mg/L	0.0002029 mg/L	15:14:38
2	Cd 214.437†	186.1	-41.9	-0.0033019 mg/L	-0.0033019 mg/L	15:14:38
2	Ce 413.764†	362.8	-72.1	-0.0021790 mg/L	-0.0021790 mg/L	15:14:18
2	Co 228.616†	-76.4	7.1	0.0000994 mg/L	0.0000994 mg/L	15:14:38
2	Cr 205.557†	-34.9	-4.2	-0.0023974 mg/L	-0.0023974 mg/L	15:14:38
2	Cu 327.397†	160.8	-29.1	-0.0052894 mg/L	-0.0052894 mg/L	15:14:18
2	Mn 257.610†	226.6	-28.9	-0.0016733 mg/L	-0.0016733 mg/L	15:14:38
2	Mo 202.031†	92.5	-3.2	-0.0016476 mg/L	-0.0016476 mg/L	15:14:38
2	Ni 231.604†	422.3	-51.5	-0.0059355 mg/L	-0.0059355 mg/L	15:14:38
2	Pb 220.353†	-22.5	7.0	0.0025870 mg/L	0.0025870 mg/L	15:14:38
2	Sb 217.584†	-52.2	-0.0	-0.0060586 mg/L	-0.0060586 mg/L	15:14:38
2	Se 196.026†	-38.1	4.6	0.0031202 mg/L	0.0031202 mg/L	15:14:38
2	Si 251.611†	223.5	-74.3	-0.0213014 mg/L	-0.0213014 mg/L	15:14:38
2	Sn 189.927†	30.1	10.0	0.0041743 mg/L	0.0041743 mg/L	15:14:38
2	Tl 190.801†	-48.1	1.6	0.0004148 mg/L	0.0004148 mg/L	15:14:38
2	V 292.395†	-1141.1	89.7	0.0010303 mg/L	0.0010303 mg/L	15:14:38
2	Zn 206.200†	-77.9	1.2	-0.0021695 mg/L	-0.0021695 mg/L	15:14:38

Mean Data: 0B02016-CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 357.234	219833.9	108.848	%	0.0498				0.05%
Y 360.076	155956.4	108.861	%	1.8273				1.68%
Ag 328.068†	-54.5	-0.0008295	mg/L	0.00031124	-0.0008295	mg/L	0.00031124	37.52%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	21.1	-0.0134227	mg/L	0.00207345	-0.0134227	mg/L	0.00207345	15.45%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	2.4	-0.0040712	mg/L	0.00694374	-0.0040712	mg/L	0.00694374	170.56%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-353.3	-0.0242295	mg/L	0.00070015	-0.0242295	mg/L	0.00070015	2.89%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	48.8	-0.0008573	mg/L	0.00000367	-0.0008573	mg/L	0.00000367	0.43%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	69.0	0.0001754	mg/L	0.00003897	0.0001754	mg/L	0.00003897	22.22%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	-9.9	-0.0204170	mg/L	0.00018514	-0.0204170	mg/L	0.00018514	0.91%
QC value within limits for Ca 315.887 Recovery = Not calculated								

Cd 214.437†	-41.8	-0.0032979 mg/L	0.00000559	-0.0032979 mg/L	0.00000559	0.17%
QC value within limits for Cd 214.437 Recovery = Not calculated							
Ce 413.764†	-58.7	-0.0017729 mg/L	0.00057429	-0.0017729 mg/L	0.00057429	32.39%
Co 228.616†	7.4	0.0001588 mg/L	0.00008405	0.0001588 mg/L	0.00008405	52.93%
QC value within limits for Co 228.616 Recovery = Not calculated							
Cr 205.557†	-0.9	-0.0020734 mg/L	0.00045822	-0.0020734 mg/L	0.00045822	22.10%
QC value within limits for Cr 205.557 Recovery = Not calculated							
Cu 327.397†	-35.4	-0.0054895 mg/L	0.00028294	-0.0054895 mg/L	0.00028294	5.15%
QC value within limits for Cu 327.397 Recovery = Not calculated							
Fe 238.204†	17.0	0.0075156 mg/L	0.00149589	0.0075156 mg/L	0.00149589	19.90%
QC value within limits for Fe 238.204 Recovery = Not calculated							
K 766.490	-30.4	-0.0639013 mg/L	0.02349794	-0.0639013 mg/L	0.02349794	36.77%
QC value within limits for K 766.490 Recovery = Not calculated							
Li 670.784†	30.4	-0.0001832 mg/L	0.00048981	-0.0001832 mg/L	0.00048981	267.30%
QC value within limits for Li 670.784 Recovery = Not calculated							
Mg 279.071†	0.0	-0.0213355 mg/L	0.00136314	-0.0213355 mg/L	0.00136314	6.39%
QC value within limits for Mg 279.071 Recovery = Not calculated							
Mn 257.610†	-38.9	-0.0017520 mg/L	0.00011128	-0.0017520 mg/L	0.00011128	6.35%
QC value within limits for Mn 257.610 Recovery = Not calculated							
Mo 202.031†	-4.4	-0.0018235 mg/L	0.00024879	-0.0018235 mg/L	0.00024879	13.64%
QC value within limits for Mo 202.031 Recovery = Not calculated							
Na 589.592†	-248.6	-0.0500098 mg/L	0.00001696	-0.0500098 mg/L	0.00001696	0.03%
QC value within limits for Na 589.592 Recovery = Not calculated							
Ni 231.604†	-54.5	-0.0062220 mg/L	0.00040517	-0.0062220 mg/L	0.00040517	6.51%
QC value within limits for Ni 231.604 Recovery = Not calculated							
Pb 220.353†	3.0	0.0002304 mg/L	0.00333277	0.0002304 mg/L	0.00333277	>999.9%
QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb 217.584†	-0.3	-0.0063236 mg/L	0.00037480	-0.0063236 mg/L	0.00037480	5.93%
QC value within limits for Sb 217.584 Recovery = Not calculated							
Se 196.026†	5.5	0.0051014 mg/L	0.00280188	0.0051014 mg/L	0.00280188	54.92%
QC value within limits for Se 196.026 Recovery = Not calculated							
Si 251.611†	-76.6	-0.0215310 mg/L	0.00032466	-0.0215310 mg/L	0.00032466	1.51%
QC value within limits for Si 251.611 Recovery = Not calculated							
Sn 189.927†	8.6	0.0033998 mg/L	0.00109538	0.0033998 mg/L	0.00109538	32.22%
QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr 407.771†	115.5	-0.0009453 mg/L	0.00002587	-0.0009453 mg/L	0.00002587	2.74%
QC value within limits for Sr 407.771 Recovery = Not calculated							
Ti 334.940†	-3.2	-0.0001738 mg/L	0.00005404	-0.0001738 mg/L	0.00005404	31.09%
QC value within limits for Ti 334.940 Recovery = Not calculated							
Tl 190.801†	2.6	0.0019319 mg/L	0.00214544	0.0019319 mg/L	0.00214544	111.06%
QC value within limits for Tl 190.801 Recovery = Not calculated							
V 292.395†	103.1	0.0013472 mg/L	0.00044824	0.0013472 mg/L	0.00044824	33.27%
QC value within limits for V 292.395 Recovery = Not calculated							
Zn 206.200†	2.7	-0.0019865 mg/L	0.00025876	-0.0019865 mg/L	0.00025876	13.03%
QC value within limits for Zn 206.200 Recovery = Not calculated							

All analyte(s) passed QC.

Analytical Sequence
Method: Solid_6010C_311

Seq.	Loc.	ID	Status
1	9	0B02016-SCV	
2	1	0B02016-CCB	
3	10	0B02016-CRL1	
4	11	0B02016-IFA1	
5	12	0B02016-IFA2	
6	13	0B02016-IFB1	
7	14	0B02016-IFB2	
8	4	0B02016-CCV	
9	1	0B02016-CCB	
10	17	blk	
11	18	bs	
12	19	mdl chk	
13	20	1000787-BLK1	
14	21	1000787-BS1	
15	22	1001350-01	
16	23	1001350-02	
17	24	1001350-03	
18	25	1001350-04	
19	26	1001350-05	
20	4	0B02016-CCV	

21	1	0B02016-CCB	
22	27	1001350-06	
23	28	1001350-07	
24	29	1001350-08	
25	30	1001350-09	
26	31	1001350-10	
27	32	1001350-11	
28	33	1001350-12	
29	34	1001350-13	
30	35	1001350-14	
31	36	1001350-15	
32	4	0B02016-CCV	
33	1	0B02016-CCB	
34	37	1001350-16	
35	38	1000787-MS1	
36	39	1000787-MSD1	
37	40	0B02016-SRD1	
38	41	1000787-PS1	
39	42	1001350-11	Analyzed
40	43	1001350-16	Analyzed
41	44	0B02016-srd2	Analyzed
42	45	1000787-ps2	Analyzed
43	46	1001350-16	Analyzed
44	4	0B02016-CCV	QC Passed
45	1	0B02016-CCB	QC Passed
46	47	0B02016-srd3	Analyzed
47	48	1000787-ps3	Analyzed
48	4	0B02016-CCV	QC Passed
49	1	0B02016-CCB	QC Passed

TriMatrix Laboratories, Inc.

SulTRAC

Project: Plainwell Mill

SDG: PM012510

USEPA-6020A

: 00316

SAMPLE ID SUMMARY

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-SO-56394-CB-012510-129	1001350-01
S-SO-56394-CB-012510-133	1001350-02
S-SO-56394-CB-012510-137	1001350-03
S-SO-56394-CB-012510-144	1001350-04
S-SO-56394-DR-012510-1069	1001350-05
S-SO-56394-DR-012510-1059	1001350-06
S-SO-56394-CB-012510-143	1001350-07
S-SO-56394-DR-012510-1063	1001350-08
S-SO-56394-CB-012610-153	1001350-09
S-SO-56394-CB-012610-158	1001350-10
S-SO-56394-CB-012610-160	1001350-11
S-SO-56394-CB-012610-165	1001350-12
S-SO-56394-DR-012610-1078	1001350-13
SD-SO-56394-DR-012610-1078	1001350-14
S-SO-56394-DR-012610-1075	1001350-15
S-SO-56394-CB-012610-166	1001350-16
S-SO-56394-CB-012710-168	1001382-01
SD-SO-56394-CB-012710-168	1001382-02
S-SO-56394-CB-012710-177	1001382-03
S-SO-56394-CB-012710-180	1001382-04
S-SO-56394-CB-012710-182	1001382-05
S-SO-56394-CB-012710-183	1001382-06
S-SO-56394-CB-012810-189	1001382-07
SD-SO-56394-CB-012810-189	1001382-08
S-SO-56394-CB-012810-190	1001382-09

: 00317

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: 86.07
Laboratory ID: 1001350-01

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 07:00
Initial/Final: 0.5056 g / 250 mL
QC Batch: 1000788

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	7.6	mg/kg dry wt.	1	0.10	0.039		02/02/10 13:31
7440-41-7	Beryllium, Total	0.24	mg/kg dry wt.	1	0.10	0.031		02/02/10 13:31
7440-43-9	Cadmium, Total	0.22	mg/kg dry wt.	1	0.050	0.0076		02/02/10 13:31
7440-47-3	Chromium, Total	30	mg/kg dry wt.	1	0.20	0.057		02/02/10 13:31
7440-48-4	Cobalt, Total	4.9	mg/kg dry wt.	1	0.10	0.0080		02/02/10 13:31
7440-50-8	Copper, Total	28	mg/kg dry wt.	1	0.10	0.078		02/02/10 13:31
7439-92-1	Lead, Total	140	mg/kg dry wt.	4	0.40	0.21		02/02/10 14:54
7782-49-2	Selenium, Total	0.20	mg/kg dry wt.	1	0.20	0.088		02/02/10 13:31
7440-22-4	Silver, Total	0.084	mg/kg dry wt.	1	0.050	0.011		02/02/10 13:31
7440-28-0	Thallium, Total	0.081	mg/kg dry wt.	1	0.050	0.016		02/02/10 13:31
7440-62-2	Vanadium, Total	14	mg/kg dry wt.	1	0.10	0.040		02/02/10 13:31
7440-66-6	Zinc, Total	94	mg/kg dry wt.	4	4.0	1.9		02/02/10 14:54

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: 86.07
Laboratory ID: 1001350-01

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 08:30
Initial/Final: 0.5083 g / 250 mL
QC Batch: 1000842

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.78	mg/kg dry wt.	1	0.10	0.045		02/08/10 10:57

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: 85.09
Laboratory ID: 1001350-02

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 07:00
Initial/Final: 0.5066 g / 250 mL
QC Batch: 1000788

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	7.0	mg/kg dry wt.	1	0.10	0.039		02/02/10 13:34
7440-41-7	Beryllium, Total	0.37	mg/kg dry wt.	1	0.10	0.031		02/02/10 13:34
7440-43-9	Cadmium, Total	0.21	mg/kg dry wt.	1	0.050	0.0076		02/02/10 13:34
7440-47-3	Chromium, Total	15	mg/kg dry wt.	1	0.20	0.057		02/02/10 13:34
7440-48-4	Cobalt, Total	4.3	mg/kg dry wt.	1	0.10	0.0080		02/02/10 13:34
7440-50-8	Copper, Total	59	mg/kg dry wt.	4	0.40	0.31		02/02/10 14:57
7439-92-1	Lead, Total	67	mg/kg dry wt.	4	0.40	0.21		02/02/10 14:57
7782-49-2	Selenium, Total	0.14	mg/kg dry wt.	1	0.20	0.088	J	02/02/10 13:34
7440-22-4	Silver, Total	0.075	mg/kg dry wt.	1	0.050	0.011		02/02/10 13:34
7440-28-0	Thallium, Total	0.093	mg/kg dry wt.	1	0.050	0.016		02/02/10 13:34
7440-62-2	Vanadium, Total	17	mg/kg dry wt.	1	0.10	0.040		02/02/10 13:34
7440-66-6	Zinc, Total	170	mg/kg dry wt.	4	4.0	1.9		02/02/10 14:57

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: 85.09
Laboratory ID: 1001350-02

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 08:30
Initial/Final: 0.5039 g / 250 mL
QC Batch: 1000842

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	1.9	mg/kg dry wt.	1	0.10	0.045		02/08/10 10:59

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: 93.43
Laboratory ID: 1001350-03

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 07:00
Initial/Final: 0.5035 g / 250 mL
QC Batch: 1000788

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	6.3	mg/kg dry wt.	1	0.10	0.039		02/02/10 13:37
7440-41-7	Beryllium, Total	0.24	mg/kg dry wt.	1	0.10	0.031		02/02/10 13:37
7440-43-9	Cadmium, Total	2.2	mg/kg dry wt.	1	0.050	0.0076		02/02/10 13:37
7440-47-3	Chromium, Total	58	mg/kg dry wt.	2	0.40	0.11		02/02/10 15:11
7440-48-4	Cobalt, Total	4.1	mg/kg dry wt.	1	0.10	0.0080		02/02/10 13:37
7440-50-8	Copper, Total	1100	mg/kg dry wt.	40	4.0	3.1		02/02/10 15:00
7439-92-1	Lead, Total	200	mg/kg dry wt.	10	1.0	0.54		02/02/10 15:08
7782-49-2	Selenium, Total	0.16	mg/kg dry wt.	1	0.20	0.088	J	02/02/10 13:37
7440-22-4	Silver, Total	0.12	mg/kg dry wt.	1	0.050	0.011		02/02/10 13:37
7440-28-0	Thallium, Total	0.071	mg/kg dry wt.	1	0.050	0.016		02/02/10 13:37
7440-62-2	Vanadium, Total	16	mg/kg dry wt.	1	0.10	0.040		02/02/10 13:37
7440-66-6	Zinc, Total	510	mg/kg dry wt.	20	20	9.3		02/02/10 15:05

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: 93.43
Laboratory ID: 1001350-03

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 08:30
Initial/Final: 0.5072 g / 250 mL
QC Batch: 1000842

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	4.5	mg/kg dry wt.	1	0.10	0.045		02/08/10 11:01

: 00323

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: 89.23
Laboratory ID: 1001350-04

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 07:00
Initial/Final: 0.5086 g / 250 mL
QC Batch: 1000788

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	4.7	mg/kg dry wt.	1	0.10	0.039		02/02/10 13:41
7440-41-7	Beryllium, Total	0.38	mg/kg dry wt.	1	0.10	0.031		02/02/10 13:41
7440-43-9	Cadmium, Total	0.13	mg/kg dry wt.	1	0.050	0.0076		02/02/10 13:41
7440-47-3	Chromium, Total	8.6	mg/kg dry wt.	1	0.20	0.057		02/02/10 13:41
7440-48-4	Cobalt, Total	3.2	mg/kg dry wt.	1	0.10	0.0080		02/02/10 13:41
7440-50-8	Copper, Total	12	mg/kg dry wt.	1	0.10	0.078		02/02/10 13:41
7439-92-1	Lead, Total	19	mg/kg dry wt.	1	0.10	0.054		02/02/10 13:41
7782-49-2	Selenium, Total	0.17	mg/kg dry wt.	1	0.20	0.088	J	02/02/10 13:41
7440-22-4	Silver, Total	0.037	mg/kg dry wt.	1	0.050	0.011	J	02/02/10 13:41
7440-28-0	Thallium, Total	0.070	mg/kg dry wt.	1	0.050	0.016		02/02/10 13:41
7440-62-2	Vanadium, Total	11	mg/kg dry wt.	1	0.10	0.040		02/02/10 13:41
7440-66-6	Zinc, Total	32	mg/kg dry wt.	1	1.0	0.46		02/02/10 13:41

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: 89.23
Laboratory ID: 1001350-04

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 08:30
Initial/Final: 0.5344 g / 250 mL
QC Batch: 1000842

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.33	mg/kg dry wt.	1	0.10	0.042		02/08/10 11:03

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: 87.99
Laboratory ID: 1001350-05

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 07:00
Initial/Final: 0.5077 g / 250 mL
QC Batch: 1000788

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	9.4	mg/kg dry wt.	1	0.10	0.039		02/02/10 13:44
7440-41-7	Beryllium, Total	1.1	mg/kg dry wt.	1	0.10	0.031		02/02/10 13:44
7440-43-9	Cadmium, Total	0.020	mg/kg dry wt.	1	0.050	0.0076	J	02/02/10 13:44
7440-47-3	Chromium, Total	6.3	mg/kg dry wt.	1	0.20	0.057		02/02/10 13:44
7440-48-4	Cobalt, Total	2.6	mg/kg dry wt.	1	0.10	0.0080		02/02/10 13:44
7440-50-8	Copper, Total	10	mg/kg dry wt.	1	0.10	0.078		02/02/10 13:44
7439-92-1	Lead, Total	5.9	mg/kg dry wt.	1	0.10	0.054		02/02/10 13:44
7782-49-2	Selenium, Total	2.8	mg/kg dry wt.	1	0.20	0.088		02/02/10 13:44
7440-22-4	Silver, Total	0.032	mg/kg dry wt.	1	0.050	0.011	J	02/02/10 13:44
7440-28-0	Thallium, Total	0.27	mg/kg dry wt.	1	0.050	0.016		02/02/10 13:44
7440-62-2	Vanadium, Total	9.3	mg/kg dry wt.	1	0.10	0.040		02/02/10 13:44
7440-66-6	Zinc, Total	5.0	mg/kg dry wt.	1	1.0	0.46		02/02/10 13:44

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: 87.99
Laboratory ID: 1001350-05

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 08:30
Initial/Final: 0.5078 g / 250 mL
QC Batch: 1000842

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.12	mg/kg dry wt.	1	0.10	0.045		02/08/10 11:05

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: 96.12
Laboratory ID: 1001350-06

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 07:00
Initial/Final: 0.5059 g / 250 mL
QC Batch: 1000788

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	3.0	mg/kg dry wt.	1	0.10	0.039		02/02/10 13:48
7440-41-7	Beryllium, Total	0.12	mg/kg dry wt.	1	0.10	0.031		02/02/10 13:48
7440-43-9	Cadmium, Total	0.034	mg/kg dry wt.	1	0.050	0.0076	J	02/02/10 13:48
7440-47-3	Chromium, Total	9.6	mg/kg dry wt.	1	0.20	0.057		02/02/10 13:48
7440-48-4	Cobalt, Total	2.9	mg/kg dry wt.	1	0.10	0.0080		02/02/10 13:48
7440-50-8	Copper, Total	6.5	mg/kg dry wt.	1	0.10	0.078		02/02/10 13:48
7439-92-1	Lead, Total	4.4	mg/kg dry wt.	1	0.10	0.054		02/02/10 13:48
7782-49-2	Selenium, Total	0.20	mg/kg dry wt.	1	0.20	0.088	U	02/02/10 13:48
7440-22-4	Silver, Total	0.027	mg/kg dry wt.	1	0.050	0.011	J	02/02/10 13:48
7440-28-0	Thallium, Total	0.040	mg/kg dry wt.	1	0.050	0.016	J	02/02/10 13:48
7440-62-2	Vanadium, Total	8.4	mg/kg dry wt.	1	0.10	0.040		02/02/10 13:48
7440-66-6	Zinc, Total	15	mg/kg dry wt.	1	1.0	0.46		02/02/10 13:48

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: 96.12
Laboratory ID: 1001350-06

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 08:30
Initial/Final: 0.5066 g / 250 mL
QC Batch: 1000842

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.12	mg/kg dry wt.	1	0.10	0.045		02/08/10 11:07

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: 92.69
Laboratory ID: 1001350-07

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 07:00
Initial/Final: 0.5084 g / 250 mL
QC Batch: 1000788

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	5.7	mg/kg dry wt.	1	0.10	0.039		02/02/10 13:51
7440-41-7	Beryllium, Total	0.19	mg/kg dry wt.	1	0.10	0.031		02/02/10 13:51
7440-43-9	Cadmium, Total	0.081	mg/kg dry wt.	1	0.050	0.0076		02/02/10 13:51
7440-47-3	Chromium, Total	10	mg/kg dry wt.	1	0.20	0.057		02/02/10 13:51
7440-48-4	Cobalt, Total	3.4	mg/kg dry wt.	1	0.10	0.0080		02/02/10 13:51
7440-50-8	Copper, Total	8.9	mg/kg dry wt.	1	0.10	0.078		02/02/10 13:51
7439-92-1	Lead, Total	10	mg/kg dry wt.	1	0.10	0.054		02/02/10 13:51
7782-49-2	Selenium, Total	0.20	mg/kg dry wt.	1	0.20	0.088	U	02/02/10 13:51
7440-22-4	Silver, Total	0.031	mg/kg dry wt.	1	0.050	0.011	J	02/02/10 13:51
7440-28-0	Thallium, Total	0.062	mg/kg dry wt.	1	0.050	0.016		02/02/10 13:51
7440-62-2	Vanadium, Total	11	mg/kg dry wt.	1	0.10	0.040		02/02/10 13:51
7440-66-6	Zinc, Total	26	mg/kg dry wt.	1	1.0	0.46		02/02/10 13:51

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: 92.69
Laboratory ID: 1001350-07

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 08:30
Initial/Final: 0.5064 g / 250 mL
QC Batch: 1000842

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.16	mg/kg dry wt.	1	0.10	0.045		02/08/10 11:09

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: 94.79
Laboratory ID: 1001350-08

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 07:00
Initial/Final: 0.5034 g / 250 mL
QC Batch: 1000788

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	1.7	mg/kg dry wt.	1	0.10	0.039		02/02/10 13:54
7440-41-7	Beryllium, Total	0.12	mg/kg dry wt.	1	0.10	0.031		02/02/10 13:54
7440-43-9	Cadmium, Total	0.023	mg/kg dry wt.	1	0.050	0.0076	J	02/02/10 13:54
7440-47-3	Chromium, Total	4.8	mg/kg dry wt.	1	0.20	0.057		02/02/10 13:54
7440-48-4	Cobalt, Total	1.9	mg/kg dry wt.	1	0.10	0.0080		02/02/10 13:54
7440-50-8	Copper, Total	1.4	mg/kg dry wt.	1	0.10	0.078		02/02/10 13:54
7439-92-1	Lead, Total	1.9	mg/kg dry wt.	1	0.10	0.054		02/02/10 13:54
7782-49-2	Selenium, Total	0.20	mg/kg dry wt.	1	0.20	0.088	U	02/02/10 13:54
7440-22-4	Silver, Total	0.014	mg/kg dry wt.	1	0.050	0.011	J	02/02/10 13:54
7440-28-0	Thallium, Total	0.023	mg/kg dry wt.	1	0.050	0.016	J	02/02/10 13:54
7440-62-2	Vanadium, Total	9.0	mg/kg dry wt.	1	0.10	0.040		02/02/10 13:54
7440-66-6	Zinc, Total	10	mg/kg dry wt.	1	1.0	0.46		02/02/10 13:54

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: 94.79
Laboratory ID: 1001350-08

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 08:30
Initial/Final: 0.5217 g / 250 mL
QC Batch: 1000842

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.048	mg/kg dry wt.	1	0.10	0.045	J	02/08/10 11:11

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: 93.33
Laboratory ID: 1001350-09

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 07:00
Initial/Final: 0.5037 g / 250 mL
QC Batch: 1000788

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	13	mg/kg dry wt.	1	0.10	0.039		02/02/10 14:05
7440-41-7	Beryllium, Total	0.17	mg/kg dry wt.	1	0.10	0.031		02/02/10 14:05
7440-43-9	Cadmium, Total	0.058	mg/kg dry wt.	1	0.050	0.0076		02/02/10 14:05
7440-47-3	Chromium, Total	8.8	mg/kg dry wt.	1	0.20	0.057		02/02/10 14:05
7440-48-4	Cobalt, Total	4.2	mg/kg dry wt.	1	0.10	0.0080		02/02/10 14:05
7440-50-8	Copper, Total	8.2	mg/kg dry wt.	1	0.10	0.078		02/02/10 14:05
7439-92-1	Lead, Total	12	mg/kg dry wt.	1	0.10	0.054		02/02/10 14:05
7782-49-2	Selenium, Total	0.12	mg/kg dry wt.	1	0.20	0.088	J	02/02/10 14:05
7440-22-4	Silver, Total	0.040	mg/kg dry wt.	1	0.050	0.011	J	02/02/10 14:05
7440-28-0	Thallium, Total	0.071	mg/kg dry wt.	1	0.050	0.016		02/02/10 14:05
7440-62-2	Vanadium, Total	13	mg/kg dry wt.	1	0.10	0.040		02/02/10 14:05
7440-66-6	Zinc, Total	25	mg/kg dry wt.	1	1.0	0.46		02/02/10 14:05

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: 93.33
Laboratory ID: 1001350-09

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 08:30
Initial/Final: 0.5059 g / 250 mL
QC Batch: 1000842

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.33	mg/kg dry wt.	1	0.10	0.045		02/08/10 11:18

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: 89.12
Laboratory ID: 1001350-10

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 07:00
Initial/Final: 0.5362 g / 250 mL
QC Batch: 1000788

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	37	mg/kg dry wt.	1	0.10	0.037		02/02/10 14:08
7440-41-7	Beryllium, Total	0.38	mg/kg dry wt.	1	0.10	0.029		02/02/10 14:08
7440-43-9	Cadmium, Total	1.4	mg/kg dry wt.	1	0.047	0.0071		02/02/10 14:08
7440-47-3	Chromium, Total	31	mg/kg dry wt.	1	0.19	0.053		02/02/10 14:08
7440-48-4	Cobalt, Total	6.4	mg/kg dry wt.	1	0.093	0.0075		02/02/10 14:08
7440-50-8	Copper, Total	790	mg/kg dry wt.	20	1.9	1.5		02/02/10 15:18
7439-92-1	Lead, Total	1500	mg/kg dry wt.	50	4.7	2.5		02/02/10 15:15
7782-49-2	Selenium, Total	0.46	mg/kg dry wt.	1	0.19	0.082		02/02/10 14:08
7440-22-4	Silver, Total	0.21	mg/kg dry wt.	1	0.047	0.010		02/02/10 14:08
7440-28-0	Thallium, Total	0.51	mg/kg dry wt.	1	0.047	0.015		02/02/10 14:08
7440-62-2	Vanadium, Total	15	mg/kg dry wt.	1	0.10	0.037		02/02/10 14:08
7440-66-6	Zinc, Total	620	mg/kg dry wt.	20	19	8.7		02/02/10 15:18

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: 89.12
Laboratory ID: 1001350-10

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 08:30
Initial/Final: 0.5058 g / 250 mL
QC Batch: 1000842

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	57	mg/kg dry wt.	2	0.20	0.090		02/08/10 12:29

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: 89.48
Laboratory ID: 1001350-11

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 07:00
Initial/Final: 0.5031 g / 250 mL
QC Batch: 1000788

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	26	mg/kg dry wt.	1	0.10	0.039		02/02/10 14:12
7440-41-7	Beryllium, Total	0.38	mg/kg dry wt.	1	0.10	0.031		02/02/10 14:12
7440-43-9	Cadmium, Total	0.20	mg/kg dry wt.	1	0.050	0.0076		02/02/10 14:12
7440-47-3	Chromium, Total	12	mg/kg dry wt.	1	0.20	0.057		02/02/10 14:12
7440-48-4	Cobalt, Total	6.7	mg/kg dry wt.	1	0.10	0.0080		02/02/10 14:12
7440-50-8	Copper, Total	12	mg/kg dry wt.	1	0.10	0.078		02/02/10 14:12
7439-92-1	Lead, Total	20	mg/kg dry wt.	1	0.10	0.054		02/02/10 14:12
7782-49-2	Selenium, Total	0.17	mg/kg dry wt.	1	0.20	0.088	J	02/02/10 14:12
7440-22-4	Silver, Total	0.042	mg/kg dry wt.	1	0.050	0.011	J	02/02/10 14:12
7440-28-0	Thallium, Total	0.10	mg/kg dry wt.	1	0.050	0.016		02/02/10 14:12
7440-62-2	Vanadium, Total	20	mg/kg dry wt.	1	0.10	0.040		02/02/10 14:12
7440-66-6	Zinc, Total	59	mg/kg dry wt.	2	2.0	0.93		02/02/10 15:28

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: 89.48
Laboratory ID: 1001350-11

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 08:30
Initial/Final: 0.5035 g / 250 mL
QC Batch: 1000842

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.32	mg/kg dry wt.	1	0.10	0.045		02/08/10 11:22

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: 94.94
Laboratory ID: 1001350-12

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 07:00
Initial/Final: 0.5307 g / 250 mL
QC Batch: 1000788

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	15	mg/kg dry wt.	1	0.10	0.037		02/02/10 14:16
7440-41-7	Beryllium, Total	0.15	mg/kg dry wt.	1	0.10	0.029		02/02/10 14:16
7440-43-9	Cadmium, Total	0.044	mg/kg dry wt.	1	0.047	0.0072	J	02/02/10 14:16
7440-47-3	Chromium, Total	8.2	mg/kg dry wt.	1	0.19	0.054		02/02/10 14:16
7440-48-4	Cobalt, Total	3.8	mg/kg dry wt.	1	0.094	0.0075		02/02/10 14:16
7440-50-8	Copper, Total	8.4	mg/kg dry wt.	1	0.10	0.074		02/02/10 14:16
7439-92-1	Lead, Total	12	mg/kg dry wt.	1	0.10	0.051		02/02/10 14:16
7782-49-2	Selenium, Total	0.090	mg/kg dry wt.	1	0.19	0.083	J	02/02/10 14:16
7440-22-4	Silver, Total	0.029	mg/kg dry wt.	1	0.047	0.010	J	02/02/10 14:16
7440-28-0	Thallium, Total	0.065	mg/kg dry wt.	1	0.047	0.015		02/02/10 14:16
7440-62-2	Vanadium, Total	11	mg/kg dry wt.	1	0.10	0.037		02/02/10 14:16
7440-66-6	Zinc, Total	20	mg/kg dry wt.	1	0.94	0.44		02/02/10 14:16

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: 94.94
Laboratory ID: 1001350-12

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 08:30
Initial/Final: 0.5108 g / 250 mL
QC Batch: 1000842

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.53	mg/kg dry wt.	1	0.10	0.045		02/08/10 11:24

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: 76.18
Laboratory ID: 1001350-13

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 07:00
Initial/Final: 0.5051 g / 250 mL
QC Batch: 1000788

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	9.3	mg/kg dry wt.	1	0.10	0.039		02/02/10 14:20
7440-41-7	Beryllium, Total	1.3	mg/kg dry wt.	1	0.10	0.031		02/02/10 14:20
7440-43-9	Cadmium, Total	0.082	mg/kg dry wt.	1	0.050	0.0076		02/02/10 14:20
7440-47-3	Chromium, Total	6.2	mg/kg dry wt.	1	0.20	0.057		02/02/10 14:20
7440-48-4	Cobalt, Total	6.6	mg/kg dry wt.	1	0.10	0.0080		02/02/10 14:20
7440-50-8	Copper, Total	52	mg/kg dry wt.	2	0.20	0.16		02/02/10 15:32
7439-92-1	Lead, Total	7.2	mg/kg dry wt.	1	0.10	0.054		02/02/10 14:20
7782-49-2	Selenium, Total	0.86	mg/kg dry wt.	1	0.20	0.088		02/02/10 14:20
7440-22-4	Silver, Total	0.035	mg/kg dry wt.	1	0.050	0.011	J	02/02/10 14:20
7440-28-0	Thallium, Total	0.30	mg/kg dry wt.	1	0.050	0.016		02/02/10 14:20
7440-62-2	Vanadium, Total	12	mg/kg dry wt.	1	0.10	0.040		02/02/10 14:20
7440-66-6	Zinc, Total	18	mg/kg dry wt.	1	1.0	0.46		02/02/10 14:20

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: 76.18
Laboratory ID: 1001350-13

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 08:30
Initial/Final: 0.5038 g / 250 mL
QC Batch: 1000842

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.33	mg/kg dry wt.	1	0.10	0.045		02/08/10 11:26

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

SD-SO-56394-DR-012610-1078

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 11:35
Solids: 75.13
Laboratory ID: 1001350-14

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 07:00
Initial/Final: 0.5315 g / 250 mL
QC Batch: 1000788

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	8.2	mg/kg dry wt.	1	0.10	0.037		02/02/10 14:23
7440-41-7	Beryllium, Total	1.1	mg/kg dry wt.	1	0.10	0.029		02/02/10 14:23
7440-43-9	Cadmium, Total	0.054	mg/kg dry wt.	1	0.047	0.0071		02/02/10 14:23
7440-47-3	Chromium, Total	6.0	mg/kg dry wt.	1	0.19	0.054		02/02/10 14:23
7440-48-4	Cobalt, Total	5.1	mg/kg dry wt.	1	0.094	0.0075		02/02/10 14:23
7440-50-8	Copper, Total	43	mg/kg dry wt.	1	0.10	0.074		02/02/10 14:23
7439-92-1	Lead, Total	6.8	mg/kg dry wt.	1	0.10	0.051		02/02/10 14:23
7782-49-2	Selenium, Total	0.84	mg/kg dry wt.	1	0.19	0.083		02/02/10 14:23
7440-22-4	Silver, Total	0.032	mg/kg dry wt.	1	0.047	0.010	J	02/02/10 14:23
7440-28-0	Thallium, Total	0.21	mg/kg dry wt.	1	0.047	0.015		02/02/10 14:23
7440-62-2	Vanadium, Total	12	mg/kg dry wt.	1	0.10	0.037		02/02/10 14:23
7440-66-6	Zinc, Total	14	mg/kg dry wt.	1	0.94	0.44		02/02/10 14:23

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

SD-SO-56394-DR-012610-1078

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 11:35
Solids: 75.13
Laboratory ID: 1001350-14

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 08:30
Initial/Final: 0.505 g / 250 mL
QC Batch: 1000842

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.28	mg/kg dry wt.	1	0.10	0.045		02/08/10 11:28

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: 96.00
Laboratory ID: 1001350-15

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 07:00
Initial/Final: 0.5062 g / 250 mL
QC Batch: 1000788

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	15	mg/kg dry wt.	1	0.10	0.039		02/02/10 14:26
7440-41-7	Beryllium, Total	0.18	mg/kg dry wt.	1	0.10	0.031		02/02/10 14:26
7440-43-9	Cadmium, Total	0.084	mg/kg dry wt.	1	0.050	0.0076		02/02/10 14:26
7440-47-3	Chromium, Total	11	mg/kg dry wt.	1	0.20	0.057		02/02/10 14:26
7440-48-4	Cobalt, Total	4.5	mg/kg dry wt.	1	0.10	0.0080		02/02/10 14:26
7440-50-8	Copper, Total	10	mg/kg dry wt.	1	0.10	0.078		02/02/10 14:26
7439-92-1	Lead, Total	8.2	mg/kg dry wt.	1	0.10	0.054		02/02/10 14:26
7782-49-2	Selenium, Total	0.22	mg/kg dry wt.	1	0.20	0.088		02/02/10 14:26
7440-22-4	Silver, Total	0.037	mg/kg dry wt.	1	0.050	0.011	J	02/02/10 14:26
7440-28-0	Thallium, Total	0.069	mg/kg dry wt.	1	0.050	0.016		02/02/10 14:26
7440-62-2	Vanadium, Total	12	mg/kg dry wt.	1	0.10	0.040		02/02/10 14:26
7440-66-6	Zinc, Total	77	mg/kg dry wt.	2	2.0	0.93		02/02/10 15:35

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: 96.00
Laboratory ID: 1001350-15

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 08:30
Initial/Final: 0.5413 g / 250 mL
QC Batch: 1000842

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.18	mg/kg dry wt.	1	0.10	0.041		02/08/10 11:31

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: 92.05
Laboratory ID: 1001350-16

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 07:00
Initial/Final: 0.5026 g / 250 mL
QC Batch: 1000788

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	5.2	mg/kg dry wt.	1	0.10	0.039		02/02/10 14:30
7440-41-7	Beryllium, Total	0.30	mg/kg dry wt.	1	0.10	0.031		02/02/10 14:30
7440-43-9	Cadmium, Total	0.12	mg/kg dry wt.	1	0.050	0.0076		02/02/10 14:30
7440-47-3	Chromium, Total	7.0	mg/kg dry wt.	1	0.20	0.057		02/02/10 14:30
7440-48-4	Cobalt, Total	3.5	mg/kg dry wt.	1	0.10	0.0080		02/02/10 14:30
7440-50-8	Copper, Total	9.0	mg/kg dry wt.	1	0.10	0.078		02/02/10 14:30
7439-92-1	Lead, Total	18	mg/kg dry wt.	1	0.10	0.054		02/02/10 14:30
7782-49-2	Selenium, Total	0.20	mg/kg dry wt.	1	0.20	0.088	U	02/02/10 14:30
7440-22-4	Silver, Total	0.038	mg/kg dry wt.	1	0.050	0.011	J	02/02/10 14:30
7440-28-0	Thallium, Total	0.066	mg/kg dry wt.	1	0.050	0.016		02/02/10 14:30
7440-62-2	Vanadium, Total	9.5	mg/kg dry wt.	1	0.10	0.040		02/02/10 14:30
7440-66-6	Zinc, Total	32	mg/kg dry wt.	1	1.0	0.46		02/02/10 14:30

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: 92.05
Laboratory ID: 1001350-16

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/01/10 08:30
Initial/Final: 0.5033 g / 250 mL
QC Batch: 1000842

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.23	mg/kg dry wt.	1	0.10	0.045		02/08/10 11:34

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: 88.49
Laboratory ID: 1001382-01

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/02/10 07:00
Initial/Final: 0.5219 g / 250 mL
QC Batch: 1000891

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	12	mg/kg dry wt.	1	0.10	0.039		02/08/10 18:22
7440-41-7	Beryllium, Total	0.42	mg/kg dry wt.	1	0.10	0.031		02/03/10 19:32
7440-43-9	Cadmium, Total	0.34	mg/kg dry wt.	1	0.050	0.0076		02/03/10 19:32
7440-47-3	Chromium, Total	15	mg/kg dry wt.	1	0.20	0.057		02/03/10 19:32
7440-48-4	Cobalt, Total	4.3	mg/kg dry wt.	1	0.10	0.0080		02/03/10 19:32
7440-50-8	Copper, Total	23	mg/kg dry wt.	1	0.10	0.078		02/03/10 19:32
7439-92-1	Lead, Total	52	mg/kg dry wt.	2	0.20	0.11		02/03/10 20:46
7782-49-2	Selenium, Total	0.18	mg/kg dry wt.	1	0.20	0.088	J	02/03/10 19:32
7440-22-4	Silver, Total	0.12	mg/kg dry wt.	1	0.050	0.011		02/03/10 19:32
7440-28-0	Thallium, Total	0.15	mg/kg dry wt.	1	0.050	0.016		02/03/10 19:32
7440-62-2	Vanadium, Total	17	mg/kg dry wt.	1	0.10	0.040		02/03/10 19:32
7440-66-6	Zinc, Total	80	mg/kg dry wt.	5	5.0	2.3		02/03/10 20:43

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: 88.49
Laboratory ID: 1001382-01

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/03/10 09:00
Initial/Final: 0.5151 g / 250 mL
QC Batch: 1000929

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.93	mg/kg dry wt.	1	0.10	0.045		02/08/10 11:56

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: 88.06
Laboratory ID: 1001382-02

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/02/10 07:00
Initial/Final: 0.5044 g / 250 mL
QC Batch: 1000891

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	14	mg/kg dry wt.	1	0.10	0.039		02/08/10 18:24
7440-41-7	Beryllium, Total	0.48	mg/kg dry wt.	1	0.10	0.031		02/03/10 19:35
7440-43-9	Cadmium, Total	0.41	mg/kg dry wt.	1	0.050	0.0076		02/03/10 19:35
7440-47-3	Chromium, Total	16	mg/kg dry wt.	1	0.20	0.057		02/03/10 19:35
7440-48-4	Cobalt, Total	4.1	mg/kg dry wt.	1	0.10	0.0080		02/03/10 19:35
7440-50-8	Copper, Total	30	mg/kg dry wt.	1	0.10	0.078		02/03/10 19:35
7439-92-1	Lead, Total	68	mg/kg dry wt.	5	0.50	0.27		02/03/10 20:49
7782-49-2	Selenium, Total	0.35	mg/kg dry wt.	1	0.20	0.088		02/03/10 19:35
7440-22-4	Silver, Total	0.14	mg/kg dry wt.	1	0.050	0.011		02/03/10 19:35
7440-28-0	Thallium, Total	0.17	mg/kg dry wt.	1	0.050	0.016		02/03/10 19:35
7440-62-2	Vanadium, Total	14	mg/kg dry wt.	1	0.10	0.040		02/03/10 19:35
7440-66-6	Zinc, Total	91	mg/kg dry wt.	5	5.0	2.3		02/03/10 20:49

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: 88.06
Laboratory ID: 1001382-02

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/03/10 09:00
Initial/Final: 0.5197 g / 250 mL
QC Batch: 1000929

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	1.1	mg/kg dry wt.	1	0.10	0.045		02/08/10 11:58

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: 85.97
Laboratory ID: 1001382-03

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/02/10 07:00
Initial/Final: 0.5163 g / 250 mL
QC Batch: 1000891

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	15	mg/kg dry wt.	1	0.10	0.039		02/08/10 18:26
7440-41-7	Beryllium, Total	0.44	mg/kg dry wt.	1	0.10	0.031		02/03/10 19:38
7440-43-9	Cadmium, Total	7.9	mg/kg dry wt.	1	0.050	0.0076		02/03/10 19:38
7440-47-3	Chromium, Total	84	mg/kg dry wt.	5	1.0	0.28		02/03/10 20:57
7440-48-4	Cobalt, Total	6.2	mg/kg dry wt.	1	0.10	0.0080		02/03/10 19:38
7440-50-8	Copper, Total	410	mg/kg dry wt.	10	1.0	0.78		02/03/10 20:54
7439-92-1	Lead, Total	820	mg/kg dry wt.	25	2.5	1.3		02/03/10 20:51
7782-49-2	Selenium, Total	0.27	mg/kg dry wt.	1	0.20	0.088		02/03/10 19:38
7440-22-4	Silver, Total	0.43	mg/kg dry wt.	1	0.050	0.011		02/03/10 19:38
7440-28-0	Thallium, Total	0.15	mg/kg dry wt.	1	0.050	0.016		02/03/10 19:38
7440-62-2	Vanadium, Total	17	mg/kg dry wt.	1	0.10	0.040		02/03/10 19:38
7440-66-6	Zinc, Total	720	mg/kg dry wt.	25	25	12		02/03/10 20:51

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: 85.97
Laboratory ID: 1001382-03

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/03/10 09:00
Initial/Final: 0.5124 g / 250 mL
QC Batch: 1000929

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	41	mg/kg dry wt.	1	0.10	0.045		02/08/10 12:00

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: 86.74
Laboratory ID: 1001382-04

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/02/10 07:00
Initial/Final: 0.5222 g / 250 mL
QC Batch: 1000891

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	23	mg/kg dry wt.	1	0.10	0.039		02/08/10 18:29
7440-41-7	Beryllium, Total	0.66	mg/kg dry wt.	1	0.10	0.031		02/03/10 19:42
7440-43-9	Cadmium, Total	0.92	mg/kg dry wt.	1	0.050	0.0076		02/03/10 19:42
7440-47-3	Chromium, Total	23	mg/kg dry wt.	1	0.20	0.057		02/03/10 19:42
7440-48-4	Cobalt, Total	4.8	mg/kg dry wt.	1	0.10	0.0080		02/03/10 19:42
7440-50-8	Copper, Total	110	mg/kg dry wt.	5	0.50	0.39		02/03/10 21:02
7439-92-1	Lead, Total	390	mg/kg dry wt.	20	2.0	1.1		02/03/10 20:59
7782-49-2	Selenium, Total	0.41	mg/kg dry wt.	1	0.20	0.088		02/03/10 19:42
7440-22-4	Silver, Total	0.20	mg/kg dry wt.	1	0.050	0.011		02/03/10 19:42
7440-28-0	Thallium, Total	0.19	mg/kg dry wt.	1	0.050	0.016		02/03/10 19:42
7440-62-2	Vanadium, Total	16	mg/kg dry wt.	1	0.10	0.040		02/03/10 19:42
7440-66-6	Zinc, Total	370	mg/kg dry wt.	20	20	9.3		02/03/10 20:59

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: 86.74
Laboratory ID: 1001382-04

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/03/10 09:00
Initial/Final: 0.5092 g / 250 mL
QC Batch: 1000929

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	5.2	mg/kg dry wt.	1	0.10	0.045		02/08/10 12:02

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: 87.54
Laboratory ID: 1001382-05

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/02/10 07:00
Initial/Final: 0.5126 g / 250 mL
QC Batch: 1000891

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	15	mg/kg dry wt.	1	0.10	0.039		02/08/10 18:31
7440-41-7	Beryllium, Total	0.65	mg/kg dry wt.	1	0.10	0.031		02/03/10 19:45
7440-43-9	Cadmium, Total	2.6	mg/kg dry wt.	1	0.050	0.0076		02/03/10 19:45
7440-47-3	Chromium, Total	23	mg/kg dry wt.	1	0.20	0.057		02/03/10 19:45
7440-48-4	Cobalt, Total	6.0	mg/kg dry wt.	1	0.10	0.0080		02/03/10 19:45
7440-50-8	Copper, Total	500	mg/kg dry wt.	20	2.0	1.6		02/03/10 21:15
7439-92-1	Lead, Total	860	mg/kg dry wt.	40	4.0	2.1		02/03/10 21:07
7782-49-2	Selenium, Total	0.55	mg/kg dry wt.	1	0.20	0.088		02/03/10 19:45
7440-22-4	Silver, Total	0.39	mg/kg dry wt.	1	0.050	0.011		02/03/10 19:45
7440-28-0	Thallium, Total	0.14	mg/kg dry wt.	1	0.050	0.016		02/03/10 19:45
7440-62-2	Vanadium, Total	16	mg/kg dry wt.	1	0.10	0.040		02/03/10 19:45
7440-66-6	Zinc, Total	1900	mg/kg dry wt.	50	50	23		02/03/10 21:05

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: 87.54
Laboratory ID: 1001382-05

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/03/10 09:00
Initial/Final: 0.5366 g / 250 mL
QC Batch: 1000929

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	10	mg/kg dry wt.	1	0.10	0.042		02/08/10 12:04

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: 92.32
Laboratory ID: 1001382-06

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/02/10 07:00
Initial/Final: 0.5318 g / 250 mL
QC Batch: 1000891

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	7.2	mg/kg dry wt.	1	0.10	0.037		02/08/10 18:33
7440-41-7	Beryllium, Total	0.28	mg/kg dry wt.	1	0.10	0.029		02/03/10 19:48
7440-43-9	Cadmium, Total	0.37	mg/kg dry wt.	1	0.047	0.0071		02/03/10 19:48
7440-47-3	Chromium, Total	12	mg/kg dry wt.	1	0.19	0.054		02/03/10 19:48
7440-48-4	Cobalt, Total	3.5	mg/kg dry wt.	1	0.094	0.0075		02/03/10 19:48
7440-50-8	Copper, Total	60	mg/kg dry wt.	2	0.19	0.15		02/03/10 21:34
7439-92-1	Lead, Total	98	mg/kg dry wt.	5	0.47	0.25		02/03/10 21:26
7782-49-2	Selenium, Total	0.23	mg/kg dry wt.	1	0.19	0.083		02/03/10 19:48
7440-22-4	Silver, Total	0.088	mg/kg dry wt.	1	0.047	0.010		02/03/10 19:48
7440-28-0	Thallium, Total	0.098	mg/kg dry wt.	1	0.047	0.015		02/03/10 19:48
7440-62-2	Vanadium, Total	14	mg/kg dry wt.	1	0.10	0.037		02/03/10 19:48
7440-66-6	Zinc, Total	190	mg/kg dry wt.	10	9.4	4.4		02/03/10 21:18

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: 92.32
Laboratory ID: 1001382-06

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/03/10 09:00
Initial/Final: 0.5032 g / 250 mL
QC Batch: 1000929

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	1.8	mg/kg dry wt.	1	0.10	0.045		02/08/10 12:06

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: 94.86
Laboratory ID: 1001382-07

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/02/10 07:00
Initial/Final: 0.5098 g / 250 mL
QC Batch: 1000891

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	9.7	mg/kg dry wt.	1	0.10	0.039		02/08/10 18:47
7440-41-7	Beryllium, Total	0.15	mg/kg dry wt.	1	0.10	0.031		02/03/10 20:20
7440-43-9	Cadmium, Total	0.056	mg/kg dry wt.	1	0.050	0.0076		02/03/10 20:20
7440-47-3	Chromium, Total	10	mg/kg dry wt.	1	0.20	0.057		02/03/10 20:20
7440-48-4	Cobalt, Total	4.5	mg/kg dry wt.	1	0.10	0.0080		02/03/10 20:20
7440-50-8	Copper, Total	9.7	mg/kg dry wt.	1	0.10	0.078		02/03/10 20:20
7439-92-1	Lead, Total	7.7	mg/kg dry wt.	1	0.10	0.054		02/03/10 20:20
7782-49-2	Selenium, Total	0.35	mg/kg dry wt.	1	0.20	0.088		02/03/10 20:20
7440-22-4	Silver, Total	0.047	mg/kg dry wt.	1	0.050	0.011	J	02/03/10 20:20
7440-28-0	Thallium, Total	0.079	mg/kg dry wt.	1	0.050	0.016		02/03/10 20:20
7440-62-2	Vanadium, Total	14	mg/kg dry wt.	1	0.10	0.040		02/03/10 20:20
7440-66-6	Zinc, Total	24	mg/kg dry wt.	1	1.0	0.46		02/03/10 20:20

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: 94.86
Laboratory ID: 1001382-07

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/03/10 09:00
Initial/Final: 0.5158 g / 250 mL
QC Batch: 1000929

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.17	mg/kg dry wt.	1	0.10	0.045		02/08/10 12:23

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: 94.96
Laboratory ID: 1001382-08

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/02/10 07:00
Initial/Final: 0.5149 g / 250 mL
QC Batch: 1000891

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	11	mg/kg dry wt.	1	0.10	0.039		02/08/10 18:49
7440-41-7	Beryllium, Total	0.19	mg/kg dry wt.	1	0.10	0.031		02/03/10 20:24
7440-43-9	Cadmium, Total	0.063	mg/kg dry wt.	1	0.050	0.0076		02/03/10 20:24
7440-47-3	Chromium, Total	11	mg/kg dry wt.	1	0.20	0.057		02/03/10 20:24
7440-48-4	Cobalt, Total	5.3	mg/kg dry wt.	1	0.10	0.0080		02/03/10 20:24
7440-50-8	Copper, Total	12	mg/kg dry wt.	1	0.10	0.078		02/03/10 20:24
7439-92-1	Lead, Total	9.0	mg/kg dry wt.	1	0.10	0.054		02/03/10 20:24
7782-49-2	Selenium, Total	0.24	mg/kg dry wt.	1	0.20	0.088		02/03/10 20:24
7440-22-4	Silver, Total	0.046	mg/kg dry wt.	1	0.050	0.011	J	02/03/10 20:24
7440-28-0	Thallium, Total	0.10	mg/kg dry wt.	1	0.050	0.016		02/03/10 20:24
7440-62-2	Vanadium, Total	17	mg/kg dry wt.	1	0.10	0.040		02/03/10 20:24
7440-66-6	Zinc, Total	26	mg/kg dry wt.	1	1.0	0.46		02/03/10 20:24

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: 94.96
Laboratory ID: 1001382-08

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/03/10 09:00
Initial/Final: 0.5068 g / 250 mL
QC Batch: 1000929

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.21	mg/kg dry wt.	1	0.10	0.045		02/08/10 12:25

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: 89.70
Laboratory ID: 1001382-09

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/02/10 07:00
Initial/Final: 0.506 g / 250 mL
QC Batch: 1000891

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	9.7	mg/kg dry wt.	1	0.10	0.039		02/08/10 18:51
7440-41-7	Beryllium, Total	0.75	mg/kg dry wt.	1	0.10	0.031		02/03/10 20:29
7440-43-9	Cadmium, Total	0.20	mg/kg dry wt.	1	0.050	0.0076		02/03/10 20:29
7440-47-3	Chromium, Total	11	mg/kg dry wt.	1	0.20	0.057		02/03/10 20:29
7440-48-4	Cobalt, Total	4.7	mg/kg dry wt.	1	0.10	0.0080		02/03/10 20:29
7440-50-8	Copper, Total	21	mg/kg dry wt.	1	0.10	0.078		02/03/10 20:29
7439-92-1	Lead, Total	22	mg/kg dry wt.	1	0.10	0.054		02/03/10 20:29
7782-49-2	Selenium, Total	0.67	mg/kg dry wt.	1	0.20	0.088		02/03/10 20:29
7440-22-4	Silver, Total	0.064	mg/kg dry wt.	1	0.050	0.011		02/03/10 20:29
7440-28-0	Thallium, Total	0.14	mg/kg dry wt.	1	0.050	0.016		02/03/10 20:29
7440-62-2	Vanadium, Total	11	mg/kg dry wt.	1	0.10	0.040		02/03/10 20:29
7440-66-6	Zinc, Total	38	mg/kg dry wt.	1	1.0	0.46		02/03/10 20:29

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: 89.70
Laboratory ID: 1001382-09

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 02/03/10 09:00
Initial/Final: 0.5241 g / 250 mL
QC Batch: 1000929

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.46	mg/kg dry wt.	1	0.10	0.045		02/08/10 12:27

: 00367

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B02020

SDG: PM012510
Project: Plainwell Mill
Instrument: 201
Calibration: 0B02004

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B02020-CAL1	0b02020-001	02/02/10 12:29
Cal Standard	0B02020-CAL2	0b02020-002	02/02/10 12:33
Cal Standard	0B02020-CAL3	0b02020-003	02/02/10 12:36
Cal Standard	0B02020-CAL4	0b02020-004	02/02/10 12:39
Cal Standard	0B02020-CAL5	0b02020-005	02/02/10 12:43
Cal Standard	0B02020-CAL6	0b02020-006	02/02/10 12:46
Cal Standard	0B02020-CAL7	0b02020-007	02/02/10 12:50
Cal Standard	0B02020-CAL8	0b02020-008	02/02/10 12:53
Secondary Cal Check	0B02020-SCV1	0b02020-009	02/02/10 12:57
Calibration Check	0B02020-CCV1	0b02020-009	02/02/10 12:57
Calibration Blank	0B02020-CCB1	0b02020-010	02/02/10 13:00
MRL Check	0B02020-CRL1	0b02020-011	02/02/10 13:03
MRL Check	0B02020-CRL2	0b02020-012	02/02/10 13:07
Interference Check A	0B02020-IFA1	0b02020-013	02/02/10 13:10
Interference Check B	0B02020-IFB1	0b02020-014	02/02/10 13:14
Calibration Check	0B02020-CCV2	0b02020-015	02/02/10 13:17
Calibration Blank	0B02020-CCB2	0b02020-016	02/02/10 13:20
Blank	1000788-BLK1	0b02020-017	02/02/10 13:24
LCS	1000788-BS1	0b02020-018	02/02/10 13:27
S-SO-56394-CB-012510-129	1001350-01	0b02020-019	02/02/10 13:31
S-SO-56394-CB-012510-129	1001350-01	0b02020-019	02/02/10 13:31
S-SO-56394-CB-012510-129	1001350-01	0b02020-019	02/02/10 13:31
S-SO-56394-CB-012510-129	1001350-01	0b02020-019	02/02/10 13:31
S-SO-56394-CB-012510-129	1001350-01	0b02020-019	02/02/10 13:31
S-SO-56394-CB-012510-129	1001350-01	0b02020-019	02/02/10 13:31
S-SO-56394-CB-012510-129	1001350-01	0b02020-019	02/02/10 13:31
S-SO-56394-CB-012510-129	1001350-01	0b02020-019	02/02/10 13:31
S-SO-56394-CB-012510-129	1001350-01	0b02020-019	02/02/10 13:31
S-SO-56394-CB-012510-129	1001350-01	0b02020-019	02/02/10 13:31
S-SO-56394-CB-012510-133	1001350-02	0b02020-020	02/02/10 13:34
S-SO-56394-CB-012510-133	1001350-02	0b02020-020	02/02/10 13:34
S-SO-56394-CB-012510-133	1001350-02	0b02020-020	02/02/10 13:34

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B02020

SDG: PM012510
Project: Plainwell Mill
Instrument: 201
Calibration: 0B02004

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012510-133	1001350-02	0b02020-020	02/02/10 13:34
S-SO-56394-CB-012510-133	1001350-02	0b02020-020	02/02/10 13:34
S-SO-56394-CB-012510-133	1001350-02	0b02020-020	02/02/10 13:34
S-SO-56394-CB-012510-133	1001350-02	0b02020-020	02/02/10 13:34
S-SO-56394-CB-012510-133	1001350-02	0b02020-020	02/02/10 13:34
S-SO-56394-CB-012510-133	1001350-02	0b02020-020	02/02/10 13:34
S-SO-56394-CB-012510-137	1001350-03	0b02020-021	02/02/10 13:37
S-SO-56394-CB-012510-137	1001350-03	0b02020-021	02/02/10 13:37
S-SO-56394-CB-012510-137	1001350-03	0b02020-021	02/02/10 13:37
S-SO-56394-CB-012510-137	1001350-03	0b02020-021	02/02/10 13:37
S-SO-56394-CB-012510-137	1001350-03	0b02020-021	02/02/10 13:37
S-SO-56394-CB-012510-137	1001350-03	0b02020-021	02/02/10 13:37
S-SO-56394-CB-012510-137	1001350-03	0b02020-021	02/02/10 13:37
S-SO-56394-CB-012510-137	1001350-03	0b02020-021	02/02/10 13:37
S-SO-56394-CB-012510-144	1001350-04	0b02020-022	02/02/10 13:41
S-SO-56394-CB-012510-144	1001350-04	0b02020-022	02/02/10 13:41
S-SO-56394-CB-012510-144	1001350-04	0b02020-022	02/02/10 13:41
S-SO-56394-CB-012510-144	1001350-04	0b02020-022	02/02/10 13:41
S-SO-56394-CB-012510-144	1001350-04	0b02020-022	02/02/10 13:41
S-SO-56394-CB-012510-144	1001350-04	0b02020-022	02/02/10 13:41
S-SO-56394-CB-012510-144	1001350-04	0b02020-022	02/02/10 13:41
S-SO-56394-CB-012510-144	1001350-04	0b02020-022	02/02/10 13:41
S-SO-56394-CB-012510-144	1001350-04	0b02020-022	02/02/10 13:41
S-SO-56394-CB-012510-144	1001350-04	0b02020-022	02/02/10 13:41
S-SO-56394-CB-012510-144	1001350-04	0b02020-022	02/02/10 13:41
S-SO-56394-DR-012510-1069	1001350-05	0b02020-023	02/02/10 13:44
S-SO-56394-DR-012510-1069	1001350-05	0b02020-023	02/02/10 13:44
S-SO-56394-DR-012510-1069	1001350-05	0b02020-023	02/02/10 13:44
S-SO-56394-DR-012510-1069	1001350-05	0b02020-023	02/02/10 13:44
S-SO-56394-DR-012510-1069	1001350-05	0b02020-023	02/02/10 13:44
S-SO-56394-DR-012510-1069	1001350-05	0b02020-023	02/02/10 13:44

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B02020

SDG: PM012510
Project: Plainwell Mill
Instrument: 201
Calibration: 0B02004

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-DR-012510-1069	1001350-05	0b02020-023	02/02/10 13:44
S-SO-56394-DR-012510-1069	1001350-05	0b02020-023	02/02/10 13:44
S-SO-56394-DR-012510-1069	1001350-05	0b02020-023	02/02/10 13:44
S-SO-56394-DR-012510-1069	1001350-05	0b02020-023	02/02/10 13:44
S-SO-56394-DR-012510-1069	1001350-05	0b02020-023	02/02/10 13:44
S-SO-56394-DR-012510-1069	1001350-05	0b02020-023	02/02/10 13:44
S-SO-56394-DR-012510-1059	1001350-06	0b02020-024	02/02/10 13:48
S-SO-56394-DR-012510-1059	1001350-06	0b02020-024	02/02/10 13:48
S-SO-56394-DR-012510-1059	1001350-06	0b02020-024	02/02/10 13:48
S-SO-56394-DR-012510-1059	1001350-06	0b02020-024	02/02/10 13:48
S-SO-56394-DR-012510-1059	1001350-06	0b02020-024	02/02/10 13:48
S-SO-56394-DR-012510-1059	1001350-06	0b02020-024	02/02/10 13:48
S-SO-56394-DR-012510-1059	1001350-06	0b02020-024	02/02/10 13:48
S-SO-56394-DR-012510-1059	1001350-06	0b02020-024	02/02/10 13:48
S-SO-56394-DR-012510-1059	1001350-06	0b02020-024	02/02/10 13:48
S-SO-56394-DR-012510-1059	1001350-06	0b02020-024	02/02/10 13:48
S-SO-56394-DR-012510-1059	1001350-06	0b02020-024	02/02/10 13:48
S-SO-56394-CB-012510-143	1001350-07	0b02020-025	02/02/10 13:51
S-SO-56394-CB-012510-143	1001350-07	0b02020-025	02/02/10 13:51
S-SO-56394-CB-012510-143	1001350-07	0b02020-025	02/02/10 13:51
S-SO-56394-CB-012510-143	1001350-07	0b02020-025	02/02/10 13:51
S-SO-56394-CB-012510-143	1001350-07	0b02020-025	02/02/10 13:51
S-SO-56394-CB-012510-143	1001350-07	0b02020-025	02/02/10 13:51
S-SO-56394-CB-012510-143	1001350-07	0b02020-025	02/02/10 13:51
S-SO-56394-CB-012510-143	1001350-07	0b02020-025	02/02/10 13:51
S-SO-56394-CB-012510-143	1001350-07	0b02020-025	02/02/10 13:51
S-SO-56394-CB-012510-143	1001350-07	0b02020-025	02/02/10 13:51
S-SO-56394-CB-012510-143	1001350-07	0b02020-025	02/02/10 13:51
S-SO-56394-DR-012510-1063	1001350-08	0b02020-026	02/02/10 13:54
S-SO-56394-DR-012510-1063	1001350-08	0b02020-026	02/02/10 13:54

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B02020

SDG: PM012510
Project: Plainwell Mill
Instrument: 201
Calibration: 0B02004

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-DR-012510-1063	1001350-08	0b02020-026	02/02/10 13:54
S-SO-56394-DR-012510-1063	1001350-08	0b02020-026	02/02/10 13:54
S-SO-56394-DR-012510-1063	1001350-08	0b02020-026	02/02/10 13:54
S-SO-56394-DR-012510-1063	1001350-08	0b02020-026	02/02/10 13:54
S-SO-56394-DR-012510-1063	1001350-08	0b02020-026	02/02/10 13:54
S-SO-56394-DR-012510-1063	1001350-08	0b02020-026	02/02/10 13:54
S-SO-56394-DR-012510-1063	1001350-08	0b02020-026	02/02/10 13:54
S-SO-56394-DR-012510-1063	1001350-08	0b02020-026	02/02/10 13:54
S-SO-56394-DR-012510-1063	1001350-08	0b02020-026	02/02/10 13:54
S-SO-56394-DR-012510-1063	1001350-08	0b02020-026	02/02/10 13:54
Calibration Check	0B02020-CCV3	0b02020-027	02/02/10 13:58
Calibration Blank	0B02020-CCB3	0b02020-028	02/02/10 14:01
S-SO-56394-CB-012610-153	1001350-09	0b02020-029	02/02/10 14:05
S-SO-56394-CB-012610-153	1001350-09	0b02020-029	02/02/10 14:05
S-SO-56394-CB-012610-153	1001350-09	0b02020-029	02/02/10 14:05
S-SO-56394-CB-012610-153	1001350-09	0b02020-029	02/02/10 14:05
S-SO-56394-CB-012610-153	1001350-09	0b02020-029	02/02/10 14:05
S-SO-56394-CB-012610-153	1001350-09	0b02020-029	02/02/10 14:05
S-SO-56394-CB-012610-153	1001350-09	0b02020-029	02/02/10 14:05
S-SO-56394-CB-012610-153	1001350-09	0b02020-029	02/02/10 14:05
S-SO-56394-CB-012610-153	1001350-09	0b02020-029	02/02/10 14:05
S-SO-56394-CB-012610-153	1001350-09	0b02020-029	02/02/10 14:05
S-SO-56394-CB-012610-153	1001350-09	0b02020-029	02/02/10 14:05
S-SO-56394-CB-012610-158	1001350-10	0b02020-030	02/02/10 14:08
S-SO-56394-CB-012610-158	1001350-10	0b02020-030	02/02/10 14:08
S-SO-56394-CB-012610-158	1001350-10	0b02020-030	02/02/10 14:08
S-SO-56394-CB-012610-158	1001350-10	0b02020-030	02/02/10 14:08
S-SO-56394-CB-012610-158	1001350-10	0b02020-030	02/02/10 14:08
S-SO-56394-CB-012610-158	1001350-10	0b02020-030	02/02/10 14:08
S-SO-56394-CB-012610-158	1001350-10	0b02020-030	02/02/10 14:08

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B02020

SDG: PM012510
Project: Plainwell Mill
Instrument: 201
Calibration: 0B02004

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012610-158	1001350-10	0b02020-030	02/02/10 14:08
S-SO-56394-CB-012610-160	1001350-11	0b02020-031	02/02/10 14:12
S-SO-56394-CB-012610-160	1001350-11	0b02020-031	02/02/10 14:12
S-SO-56394-CB-012610-160	1001350-11	0b02020-031	02/02/10 14:12
S-SO-56394-CB-012610-160	1001350-11	0b02020-031	02/02/10 14:12
S-SO-56394-CB-012610-160	1001350-11	0b02020-031	02/02/10 14:12
S-SO-56394-CB-012610-160	1001350-11	0b02020-031	02/02/10 14:12
S-SO-56394-CB-012610-160	1001350-11	0b02020-031	02/02/10 14:12
S-SO-56394-CB-012610-160	1001350-11	0b02020-031	02/02/10 14:12
S-SO-56394-CB-012610-160	1001350-11	0b02020-031	02/02/10 14:12
S-SO-56394-CB-012610-160	1001350-11	0b02020-031	02/02/10 14:12
S-SO-56394-CB-012610-160	1001350-11	0b02020-031	02/02/10 14:12
S-SO-56394-CB-012610-165	1001350-12	0b02020-032	02/02/10 14:16
S-SO-56394-CB-012610-165	1001350-12	0b02020-032	02/02/10 14:16
S-SO-56394-CB-012610-165	1001350-12	0b02020-032	02/02/10 14:16
S-SO-56394-CB-012610-165	1001350-12	0b02020-032	02/02/10 14:16
S-SO-56394-CB-012610-165	1001350-12	0b02020-032	02/02/10 14:16
S-SO-56394-CB-012610-165	1001350-12	0b02020-032	02/02/10 14:16
S-SO-56394-CB-012610-165	1001350-12	0b02020-032	02/02/10 14:16
S-SO-56394-CB-012610-165	1001350-12	0b02020-032	02/02/10 14:16
S-SO-56394-CB-012610-165	1001350-12	0b02020-032	02/02/10 14:16
S-SO-56394-CB-012610-165	1001350-12	0b02020-032	02/02/10 14:16
S-SO-56394-DR-012610-1078	1001350-13	0b02020-033	02/02/10 14:20
S-SO-56394-DR-012610-1078	1001350-13	0b02020-033	02/02/10 14:20
S-SO-56394-DR-012610-1078	1001350-13	0b02020-033	02/02/10 14:20
S-SO-56394-DR-012610-1078	1001350-13	0b02020-033	02/02/10 14:20
S-SO-56394-DR-012610-1078	1001350-13	0b02020-033	02/02/10 14:20
S-SO-56394-DR-012610-1078	1001350-13	0b02020-033	02/02/10 14:20
S-SO-56394-DR-012610-1078	1001350-13	0b02020-033	02/02/10 14:20

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B02020

SDG: PM012510
Project: Plainwell Mill
Instrument: 201
Calibration: 0B02004

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-DR-012610-1078	1001350-13	0b02020-033	02/02/10 14:20
S-SO-56394-DR-012610-1078	1001350-13	0b02020-033	02/02/10 14:20
S-SO-56394-DR-012610-1078	1001350-13	0b02020-033	02/02/10 14:20
SD-SO-56394-DR-012610-1078	1001350-14	0b02020-034	02/02/10 14:23
SD-SO-56394-DR-012610-1078	1001350-14	0b02020-034	02/02/10 14:23
SD-SO-56394-DR-012610-1078	1001350-14	0b02020-034	02/02/10 14:23
SD-SO-56394-DR-012610-1078	1001350-14	0b02020-034	02/02/10 14:23
SD-SO-56394-DR-012610-1078	1001350-14	0b02020-034	02/02/10 14:23
SD-SO-56394-DR-012610-1078	1001350-14	0b02020-034	02/02/10 14:23
SD-SO-56394-DR-012610-1078	1001350-14	0b02020-034	02/02/10 14:23
SD-SO-56394-DR-012610-1078	1001350-14	0b02020-034	02/02/10 14:23
SD-SO-56394-DR-012610-1078	1001350-14	0b02020-034	02/02/10 14:23
SD-SO-56394-DR-012610-1078	1001350-14	0b02020-034	02/02/10 14:23
SD-SO-56394-DR-012610-1078	1001350-14	0b02020-034	02/02/10 14:23
S-SO-56394-DR-012610-1075	1001350-15	0b02020-035	02/02/10 14:26
S-SO-56394-DR-012610-1075	1001350-15	0b02020-035	02/02/10 14:26
S-SO-56394-DR-012610-1075	1001350-15	0b02020-035	02/02/10 14:26
S-SO-56394-DR-012610-1075	1001350-15	0b02020-035	02/02/10 14:26
S-SO-56394-DR-012610-1075	1001350-15	0b02020-035	02/02/10 14:26
S-SO-56394-DR-012610-1075	1001350-15	0b02020-035	02/02/10 14:26
S-SO-56394-DR-012610-1075	1001350-15	0b02020-035	02/02/10 14:26
S-SO-56394-DR-012610-1075	1001350-15	0b02020-035	02/02/10 14:26
S-SO-56394-DR-012610-1075	1001350-15	0b02020-035	02/02/10 14:26
S-SO-56394-DR-012610-1075	1001350-15	0b02020-035	02/02/10 14:26
S-SO-56394-CB-012610-166	1001350-16	0b02020-036	02/02/10 14:30
S-SO-56394-CB-012610-166	1001350-16	0b02020-036	02/02/10 14:30
S-SO-56394-CB-012610-166	1001350-16	0b02020-036	02/02/10 14:30
S-SO-56394-CB-012610-166	1001350-16	0b02020-036	02/02/10 14:30
S-SO-56394-CB-012610-166	1001350-16	0b02020-036	02/02/10 14:30
S-SO-56394-CB-012610-166	1001350-16	0b02020-036	02/02/10 14:30

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B02020
Instrument: 201
Calibration: 0B02004

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012610-166	1001350-16	0b02020-036	02/02/10 14:30
S-SO-56394-CB-012610-166	1001350-16	0b02020-036	02/02/10 14:30
S-SO-56394-CB-012610-166	1001350-16	0b02020-036	02/02/10 14:30
S-SO-56394-CB-012610-166	1001350-16	0b02020-036	02/02/10 14:30
S-SO-56394-CB-012610-166	1001350-16	0b02020-036	02/02/10 14:30
S-SO-56394-CB-012610-166	1001350-16	0b02020-036	02/02/10 14:30
S-SO-56394-CB-012610-166	1000788-MS1	0b02020-037	02/02/10 14:33
S-SO-56394-CB-012610-166	1000788-MSD1	0b02020-038	02/02/10 14:37
Calibration Check	0B02020-CCV4	0b02020-039	02/02/10 14:40
Calibration Blank	0B02020-CCB4	0b02020-040	02/02/10 14:43
S-SO-56394-CB-012610-166	0B02020-SRD1	0b02020-041	02/02/10 14:47
S-SO-56394-CB-012610-166	1000788-PS1	0b02020-042	02/02/10 14:50
S-SO-56394-CB-012510-129	1001350-01	0b02020-043	02/02/10 14:54
S-SO-56394-CB-012510-129	1001350-01	0b02020-043	02/02/10 14:54
S-SO-56394-CB-012510-133	1001350-02	0b02020-044	02/02/10 14:57
S-SO-56394-CB-012510-133	1001350-02	0b02020-044	02/02/10 14:57
S-SO-56394-CB-012510-133	1001350-02	0b02020-044	02/02/10 14:57
S-SO-56394-CB-012510-137	1001350-03	0b02020-045	02/02/10 15:00
S-SO-56394-CB-012510-137	1001350-03	0b02020-046	02/02/10 15:05
S-SO-56394-CB-012510-137	1001350-03	0b02020-047	02/02/10 15:08
S-SO-56394-CB-012510-137	1001350-03	0b02020-048	02/02/10 15:11
S-SO-56394-CB-012610-158	1001350-10	0b02020-049	02/02/10 15:15
S-SO-56394-CB-012610-158	1001350-10	0b02020-050	02/02/10 15:18
S-SO-56394-CB-012610-158	1001350-10	0b02020-050	02/02/10 15:18
Calibration Check	0B02020-CCV5	0b02020-051	02/02/10 15:22
Calibration Blank	0B02020-CCB5	0b02020-052	02/02/10 15:25
S-SO-56394-CB-012610-160	1001350-11	0b02020-053	02/02/10 15:28
S-SO-56394-DR-012610-1078	1001350-13	0b02020-054	02/02/10 15:32
S-SO-56394-DR-012610-1075	1001350-15	0b02020-055	02/02/10 15:35
Calibration Check	0B02020-CCV6	0b02020-056	02/02/10 15:38
Calibration Blank	0B02020-CCB6	0b02020-057	02/02/10 15:42
S-SO-56394-CB-012610-166	0B02020-SRD1	0b02020-058	02/02/10 15:45

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B02020

SDG: PM012510
Project: Plainwell Mill
Instrument: 201
Calibration: 0B02004

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012610-166	1000788-PS1	0b02020-059	02/02/10 15:49
Calibration Check	0B02020-CCV7	0b02020-060	02/02/10 15:52
Calibration Blank	0B02020-CCB7	0b02020-061	02/02/10 15:55

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B03065

SDG: PM012510
Project: Plainwell Mill
Instrument: 114
Calibration: 0B04001

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B03065-CAL1	0b03065-001	02/03/10 18:23
Cal Standard	0B03065-CAL2	0b03065-002	02/03/10 18:26
Cal Standard	0B03065-CAL3	0b03065-003	02/03/10 18:30
Cal Standard	0B03065-CAL4	0b03065-004	02/03/10 18:33
Cal Standard	0B03065-CAL5	0b03065-005	02/03/10 18:36
Cal Standard	0B03065-CAL6	0b03065-006	02/03/10 18:40
Cal Standard	0B03065-CAL7	0b03065-007	02/03/10 18:43
Cal Standard	0B03065-CAL8	0b03065-008	02/03/10 18:47
Secondary Cal Check	0B03065-SCV1	0b03065-009	02/03/10 18:50
Calibration Check	0B03065-CCV1	0b03065-009	02/03/10 18:50
Calibration Blank	0B03065-CCB1	0b03065-010	02/03/10 18:53
MRL Check	0B03065-CRL1	0b03065-011	02/03/10 18:57
MRL Check	0B03065-CRL2	0b03065-012	02/03/10 19:00
Interference Check A	0B03065-IFA1	0b03065-013	02/03/10 19:04
Interference Check B	0B03065-IFB1	0b03065-014	02/03/10 19:08
Calibration Check	0B03065-CCV2	0b03065-015	02/03/10 19:12
Calibration Blank	0B03065-CCB2	0b03065-018	02/03/10 19:16
Blank	1000891-BLK1	0b03065-017	02/03/10 19:19
Blank	1000891-BLK1	0b03065-019	02/03/10 19:19
LCS	1000891-BS1	0b03065-020	02/03/10 19:28
S-SO-56394-CB-012710-168	1001382-01	0b03065-021	02/03/10 19:32
S-SO-56394-CB-012710-168	1001382-01	0b03065-021	02/03/10 19:32
S-SO-56394-CB-012710-168	1001382-01	0b03065-021	02/03/10 19:32
S-SO-56394-CB-012710-168	1001382-01	0b03065-021	02/03/10 19:32
S-SO-56394-CB-012710-168	1001382-01	0b03065-021	02/03/10 19:32
S-SO-56394-CB-012710-168	1001382-01	0b03065-021	02/03/10 19:32
S-SO-56394-CB-012710-168	1001382-01	0b03065-021	02/03/10 19:32
S-SO-56394-CB-012710-168	1001382-01	0b03065-021	02/03/10 19:32
S-SO-56394-CB-012710-168	1001382-01	0b03065-021	02/03/10 19:32
SD-SO-56394-CB-012710-168	1001382-02	0b03065-022	02/03/10 19:35
SD-SO-56394-CB-012710-168	1001382-02	0b03065-022	02/03/10 19:35
SD-SO-56394-CB-012710-168	1001382-02	0b03065-022	02/03/10 19:35

: 00376

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B03065

SDG: PM012510
Project: Plainwell Mill
Instrument: 114
Calibration: 0B04001

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
SD-SO-56394-CB-012710-168	1001382-02	0b03065-022	02/03/10 19:35
SD-SO-56394-CB-012710-168	1001382-02	0b03065-022	02/03/10 19:35
SD-SO-56394-CB-012710-168	1001382-02	0b03065-022	02/03/10 19:35
SD-SO-56394-CB-012710-168	1001382-02	0b03065-022	02/03/10 19:35
SD-SO-56394-CB-012710-168	1001382-02	0b03065-022	02/03/10 19:35
SD-SO-56394-CB-012710-168	1001382-02	0b03065-022	02/03/10 19:35
S-SO-56394-CB-012710-177	1001382-03	0b03065-023	02/03/10 19:38
S-SO-56394-CB-012710-177	1001382-03	0b03065-023	02/03/10 19:38
S-SO-56394-CB-012710-177	1001382-03	0b03065-023	02/03/10 19:38
S-SO-56394-CB-012710-177	1001382-03	0b03065-023	02/03/10 19:38
S-SO-56394-CB-012710-177	1001382-03	0b03065-023	02/03/10 19:38
S-SO-56394-CB-012710-177	1001382-03	0b03065-023	02/03/10 19:38
S-SO-56394-CB-012710-177	1001382-03	0b03065-023	02/03/10 19:38
S-SO-56394-CB-012710-180	1001382-04	0b03065-024	02/03/10 19:42
S-SO-56394-CB-012710-180	1001382-04	0b03065-024	02/03/10 19:42
S-SO-56394-CB-012710-180	1001382-04	0b03065-024	02/03/10 19:42
S-SO-56394-CB-012710-180	1001382-04	0b03065-024	02/03/10 19:42
S-SO-56394-CB-012710-180	1001382-04	0b03065-024	02/03/10 19:42
S-SO-56394-CB-012710-180	1001382-04	0b03065-024	02/03/10 19:42
S-SO-56394-CB-012710-180	1001382-04	0b03065-024	02/03/10 19:42
S-SO-56394-CB-012710-182	1001382-05	0b03065-025	02/03/10 19:45
S-SO-56394-CB-012710-182	1001382-05	0b03065-025	02/03/10 19:45
S-SO-56394-CB-012710-182	1001382-05	0b03065-025	02/03/10 19:45
S-SO-56394-CB-012710-182	1001382-05	0b03065-025	02/03/10 19:45
S-SO-56394-CB-012710-182	1001382-05	0b03065-025	02/03/10 19:45
S-SO-56394-CB-012710-182	1001382-05	0b03065-025	02/03/10 19:45
S-SO-56394-CB-012710-182	1001382-05	0b03065-025	02/03/10 19:45
S-SO-56394-CB-012710-183	1001382-06	0b03065-026	02/03/10 19:48
S-SO-56394-CB-012710-183	1001382-06	0b03065-026	02/03/10 19:48
S-SO-56394-CB-012710-183	1001382-06	0b03065-026	02/03/10 19:48

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B03065

SDG: PM012510
Project: Plainwell Mill
Instrument: 114
Calibration: 0B04001

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012710-183	1001382-06	0b03065-026	02/03/10 19:48
S-SO-56394-CB-012710-183	1001382-06	0b03065-026	02/03/10 19:48
S-SO-56394-CB-012710-183	1001382-06	0b03065-026	02/03/10 19:48
S-SO-56394-CB-012710-183	1001382-06	0b03065-026	02/03/10 19:48
S-SO-56394-CB-012710-183	1001382-06	0b03065-026	02/03/10 19:48
S-SO-56394-CB-012710-183	1000891-MS1	0b03065-027	02/03/10 19:52
S-SO-56394-CB-012710-183	1000891-MSD1	0b03065-028	02/03/10 19:55
Calibration Check	0B03065-CCV3	0b03065-029	02/03/10 19:59
Calibration Blank	0B03065-CCB3	0b03065-031	02/03/10 20:10
S-SO-56394-CB-012710-183	0B03065-SRD1	0b03065-032	02/03/10 20:13
S-SO-56394-CB-012710-183	1000891-PS1	0b03065-033	02/03/10 20:17
S-SO-56394-CB-012810-189	1001382-07	0b03065-034	02/03/10 20:20
S-SO-56394-CB-012810-189	1001382-07	0b03065-034	02/03/10 20:20
S-SO-56394-CB-012810-189	1001382-07	0b03065-034	02/03/10 20:20
S-SO-56394-CB-012810-189	1001382-07	0b03065-034	02/03/10 20:20
S-SO-56394-CB-012810-189	1001382-07	0b03065-034	02/03/10 20:20
S-SO-56394-CB-012810-189	1001382-07	0b03065-034	02/03/10 20:20
S-SO-56394-CB-012810-189	1001382-07	0b03065-034	02/03/10 20:20
S-SO-56394-CB-012810-189	1001382-07	0b03065-034	02/03/10 20:20
S-SO-56394-CB-012810-189	1001382-07	0b03065-034	02/03/10 20:20
S-SO-56394-CB-012810-189	1001382-07	0b03065-034	02/03/10 20:20
SD-SO-56394-CB-012810-189	1001382-08	0b03065-035	02/03/10 20:24
SD-SO-56394-CB-012810-189	1001382-08	0b03065-035	02/03/10 20:24
SD-SO-56394-CB-012810-189	1001382-08	0b03065-035	02/03/10 20:24
SD-SO-56394-CB-012810-189	1001382-08	0b03065-035	02/03/10 20:24
SD-SO-56394-CB-012810-189	1001382-08	0b03065-035	02/03/10 20:24
SD-SO-56394-CB-012810-189	1001382-08	0b03065-035	02/03/10 20:24
SD-SO-56394-CB-012810-189	1001382-08	0b03065-035	02/03/10 20:24
SD-SO-56394-CB-012810-189	1001382-08	0b03065-035	02/03/10 20:24
SD-SO-56394-CB-012810-189	1001382-08	0b03065-035	02/03/10 20:24

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B03065

SDG: PM012510
Project: Plainwell Mill
Instrument: 114
Calibration: 0B04001

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
SD-SO-56394-CB-012810-189	1001382-08	0b03065-035	02/03/10 20:24
S-SO-56394-CB-012810-190	1001382-09	0b03065-036	02/03/10 20:29
S-SO-56394-CB-012810-190	1001382-09	0b03065-036	02/03/10 20:29
S-SO-56394-CB-012810-190	1001382-09	0b03065-036	02/03/10 20:29
S-SO-56394-CB-012810-190	1001382-09	0b03065-036	02/03/10 20:29
S-SO-56394-CB-012810-190	1001382-09	0b03065-036	02/03/10 20:29
S-SO-56394-CB-012810-190	1001382-09	0b03065-036	02/03/10 20:29
S-SO-56394-CB-012810-190	1001382-09	0b03065-036	02/03/10 20:29
S-SO-56394-CB-012810-190	1001382-09	0b03065-036	02/03/10 20:29
S-SO-56394-CB-012810-190	1001382-09	0b03065-036	02/03/10 20:29
S-SO-56394-CB-012810-190	1001382-09	0b03065-036	02/03/10 20:29
S-SO-56394-CB-012810-190	1001382-09	0b03065-036	02/03/10 20:29
Calibration Check	0B03065-CCV4	0b03065-037	02/03/10 20:32
Calibration Blank	0B03065-CCB4	0b03065-038	02/03/10 20:35
S-SO-56394-CB-012710-168	1001382-01	0b03065-039	02/03/10 20:43
S-SO-56394-CB-012710-168	1001382-01	0b03065-040	02/03/10 20:46
SD-SO-56394-CB-012710-168	1001382-02	0b03065-041	02/03/10 20:49
SD-SO-56394-CB-012710-168	1001382-02	0b03065-041	02/03/10 20:49
S-SO-56394-CB-012710-177	1001382-03	0b03065-042	02/03/10 20:51
S-SO-56394-CB-012710-177	1001382-03	0b03065-042	02/03/10 20:51
S-SO-56394-CB-012710-177	1001382-03	0b03065-043	02/03/10 20:54
S-SO-56394-CB-012710-177	1001382-03	0b03065-044	02/03/10 20:57
S-SO-56394-CB-012710-180	1001382-04	0b03065-045	02/03/10 20:59
S-SO-56394-CB-012710-180	1001382-04	0b03065-045	02/03/10 20:59
S-SO-56394-CB-012710-180	1001382-04	0b03065-046	02/03/10 21:02
S-SO-56394-CB-012710-182	1001382-05	0b03065-047	02/03/10 21:05
S-SO-56394-CB-012710-182	1001382-05	0b03065-048	02/03/10 21:07
Calibration Check	0B03065-CCV5	0b03065-049	02/03/10 21:10
Calibration Blank	0B03065-CCB5	0b03065-050	02/03/10 21:13
S-SO-56394-CB-012710-182	1001382-05	0b03065-051	02/03/10 21:15
S-SO-56394-CB-012710-183	1001382-06	0b03065-052	02/03/10 21:18
S-SO-56394-CB-012710-183	0B03065-SRD2	0b03065-053	02/03/10 21:20

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B03065

SDG: PM012510
Project: Plainwell Mill
Instrument: 114
Calibration: 0B04001

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-012710-183	1000891-PS2	0b03065-054	02/03/10 21:23
S-SO-56394-CB-012710-183	1001382-06	0b03065-055	02/03/10 21:26
S-SO-56394-CB-012710-183	0B03065-SRD3	0b03065-056	02/03/10 21:28
S-SO-56394-CB-012710-183	1000891-PS3	0b03065-057	02/03/10 21:31
S-SO-56394-CB-012710-183	1001382-06	0b03065-058	02/03/10 21:34
S-SO-56394-CB-012710-183	1000891-MS1	0b03065-059	02/03/10 21:37
S-SO-56394-CB-012710-183	1000891-MSD1	0b03065-060	02/03/10 21:39
Calibration Check	0B03065-CCV6	0b03065-061	02/03/10 21:42
Calibration Blank	0B03065-CCB6	0b03065-062	02/03/10 21:44
S-SO-56394-CB-012710-183	0B03065-SRD4	0b03065-063	02/03/10 21:47
S-SO-56394-CB-012710-183	1000891-PS4	0b03065-064	02/03/10 21:50
Calibration Check	0B03065-CCV7	0b03065-065	02/03/10 21:52
Calibration Blank	0B03065-CCB7	0b03065-066	02/03/10 21:55

00380

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B08022

SDG: PM012510
Project: Plainwell Mill
Instrument: 201
Calibration: 0B08014

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B08022-CAL1	0b08022-001	02/08/10 10:22
Cal Standard	0B08022-CAL2	0b08022-002	02/08/10 10:24
Cal Standard	0B08022-CAL3	0b08022-003	02/08/10 10:26
Cal Standard	0B08022-CAL4	0b08022-004	02/08/10 10:28
Cal Standard	0B08022-CAL5	0b08022-005	02/08/10 10:30
Cal Standard	0B08022-CAL6	0b08022-006	02/08/10 10:32
Cal Standard	0B08022-CAL7	0b08022-007	02/08/10 10:34
Secondary Cal Check	0B08022-SCV1	0b08022-008	02/08/10 10:37
Calibration Check	0B08022-CCV1	0b08022-008	02/08/10 10:37
Calibration Blank	0B08022-CCB1	0b08022-009	02/08/10 10:39
MRL Check	0B08022-CRL1	0b08022-010	02/08/10 10:41
Interference Check A	0B08022-IFA1	0b08022-011	02/08/10 10:43
Interference Check B	0B08022-IFB1	0b08022-012	02/08/10 10:45
Calibration Check	0B08022-CCV2	0b08022-013	02/08/10 10:47
Calibration Blank	0B08022-CCB2	0b08022-014	02/08/10 10:49
Blank	1000842-BLK1	0b08022-015	02/08/10 10:51
LCS	1000842-BS1	0b08022-016	02/08/10 10:53
S-SO-56394-CB-012510-129	1001350-01	0b08022-017	02/08/10 10:57
S-SO-56394-CB-012510-133	1001350-02	0b08022-018	02/08/10 10:59
S-SO-56394-CB-012510-137	1001350-03	0b08022-019	02/08/10 11:01
S-SO-56394-CB-012510-144	1001350-04	0b08022-020	02/08/10 11:03
S-SO-56394-DR-012510-1069	1001350-05	0b08022-021	02/08/10 11:05
S-SO-56394-DR-012510-1059	1001350-06	0b08022-022	02/08/10 11:07
S-SO-56394-CB-012510-143	1001350-07	0b08022-023	02/08/10 11:09
S-SO-56394-DR-012510-1063	1001350-08	0b08022-024	02/08/10 11:11
Calibration Check	0B08022-CCV3	0b08022-025	02/08/10 11:13
Calibration Blank	0B08022-CCB3	0b08022-026	02/08/10 11:16
S-SO-56394-CB-012610-153	1001350-09	0b08022-027	02/08/10 11:18
S-SO-56394-CB-012610-160	1001350-11	0b08022-029	02/08/10 11:22
S-SO-56394-CB-012610-165	1001350-12	0b08022-030	02/08/10 11:24
S-SO-56394-DR-012610-1078	1001350-13	0b08022-031	02/08/10 11:26
SD-SO-56394-DR-012610-1078	1001350-14	0b08022-032	02/08/10 11:28

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B08022

SDG: PM012510
Project: Plainwell Mill
Instrument: 201
Calibration: 0B08014

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-DR-012610-1075	1001350-15	0b08022-033	02/08/10 11:31
S-SO-56394-CB-012610-166	1001350-16	0b08022-034	02/08/10 11:34
S-SO-56394-CB-012610-166	1000842-MS1	0b08022-035	02/08/10 11:36
S-SO-56394-CB-012610-166	1000842-MSD1	0b08022-036	02/08/10 11:38
Calibration Check	0B08022-CCV4	0b08022-037	02/08/10 11:41
Calibration Blank	0B08022-CCB4	0b08022-038	02/08/10 11:43
S-SO-56394-CB-012610-166	0B08022-SRD1	0b08022-039	02/08/10 11:45
S-SO-56394-CB-012610-166	1000842-PS1	0b08022-040	02/08/10 11:47
Blank	1000929-BLK1	0b08022-041	02/08/10 11:50
LCS	1000929-BS1	0b08022-042	02/08/10 11:53
S-SO-56394-CB-012710-168	1001382-01	0b08022-043	02/08/10 11:56
SD-SO-56394-CB-012710-168	1001382-02	0b08022-044	02/08/10 11:58
S-SO-56394-CB-012710-177	1001382-03	0b08022-045	02/08/10 12:00
S-SO-56394-CB-012710-180	1001382-04	0b08022-046	02/08/10 12:02
S-SO-56394-CB-012710-182	1001382-05	0b08022-047	02/08/10 12:04
S-SO-56394-CB-012710-183	1001382-06	0b08022-048	02/08/10 12:06
Calibration Check	0B08022-CCV5	0b08022-049	02/08/10 12:08
Calibration Blank	0B08022-CCB5	0b08022-050	02/08/10 12:10
S-SO-56394-CB-012710-183	1000929-MS1	0b08022-051	02/08/10 12:12
S-SO-56394-CB-012710-183	1000929-MSD1	0b08022-052	02/08/10 12:14
S-SO-56394-CB-012710-183	0B08022-SRD2	0b08022-053	02/08/10 12:17
S-SO-56394-CB-012710-183	1000929-PS1	0b08022-054	02/08/10 12:20
S-SO-56394-CB-012810-189	1001382-07	0b08022-055	02/08/10 12:23
SD-SO-56394-CB-012810-189	1001382-08	0b08022-056	02/08/10 12:25
S-SO-56394-CB-012810-190	1001382-09	0b08022-057	02/08/10 12:27
S-SO-56394-CB-012610-158	1001350-10	0b08022-058	02/08/10 12:29
Calibration Check	0B08022-CCV6	0b08022-059	02/08/10 12:31
Calibration Blank	0B08022-CCB6	0b08022-060	02/08/10 12:33

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B08046

SDG: PM012510
Project: Plainwell Mill
Instrument: 201
Calibration: 0B09013

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B08046-CAL1	0b08046-001	02/08/10 17:49
Cal Standard	0B08046-CAL2	0b08046-002	02/08/10 17:51
Cal Standard	0B08046-CAL3	0b08046-003	02/08/10 17:53
Cal Standard	0B08046-CAL4	0b08046-004	02/08/10 17:55
Cal Standard	0B08046-CAL5	0b08046-005	02/08/10 17:58
Cal Standard	0B08046-CAL6	0b08046-006	02/08/10 18:00
Cal Standard	0B08046-CAL7	0b08046-007	02/08/10 18:02
Secondary Cal Check	0B08046-SCV1	0b08046-008	02/08/10 18:04
Calibration Check	0B08046-CCV1	0b08046-008	02/08/10 18:04
Calibration Blank	0B08046-CCB1	0b08046-009	02/08/10 18:06
MRL Check	0B08046-CRL1	0b08046-010	02/08/10 18:08
Interference Check A	0B08046-IFA1	0b08046-011	02/08/10 18:10
Interference Check B	0B08046-IFB1	0b08046-012	02/08/10 18:12
Calibration Check	0B08046-CCV2	0b08046-013	02/08/10 18:14
Calibration Blank	0B08046-CCB2	0b08046-014	02/08/10 18:16
Blank	1000891-BLK2	0b08046-015	02/08/10 18:18
LCS	1000891-BS2	0b08046-016	02/08/10 18:20
S-SO-56394-CB-012710-168	1001382-01	0b08046-017	02/08/10 18:22
SD-SO-56394-CB-012710-168	1001382-02	0b08046-018	02/08/10 18:24
S-SO-56394-CB-012710-177	1001382-03	0b08046-019	02/08/10 18:26
S-SO-56394-CB-012710-180	1001382-04	0b08046-020	02/08/10 18:29
S-SO-56394-CB-012710-182	1001382-05	0b08046-021	02/08/10 18:31
S-SO-56394-CB-012710-183	1001382-06	0b08046-022	02/08/10 18:33
S-SO-56394-CB-012710-183	1000891-MS2	0b08046-023	02/08/10 18:35
S-SO-56394-CB-012710-183	1000891-MSD2	0b08046-024	02/08/10 18:37
Calibration Check	0B08046-CCV3	0b08046-025	02/08/10 18:39
Calibration Blank	0B08046-CCB3	0b08046-026	02/08/10 18:41
S-SO-56394-CB-012710-183	0B08046-SRD1	0b08046-027	02/08/10 18:43
S-SO-56394-CB-012710-183	1000891-PS5	0b08046-028	02/08/10 18:45
S-SO-56394-CB-012810-189	1001382-07	0b08046-029	02/08/10 18:47
SD-SO-56394-CB-012810-189	1001382-08	0b08046-030	02/08/10 18:49
S-SO-56394-CB-012810-190	1001382-09	0b08046-031	02/08/10 18:51

00383

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B08046

SDG: PM012510
Project: Plainwell Mill
Instrument: 201
Calibration: 0B09013

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0B08046-CCV4	0b08046-032	02/08/10 18:53
Calibration Blank	0B08046-CCB4	0b08046-033	02/08/10 18:55

: 00384

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B02020
Instrument ID: 201
Control Limt: +/- 10.00%
Calibration: 0B02004

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B02020-CCV1	Arsenic	0.0400	0.0388	97	mg/L	02/02/10 12:57
	Beryllium	0.0400	0.0378	95	mg/L	02/02/10 12:57
	Cadmium	0.0400	0.0379	95	mg/L	02/02/10 12:57
	Chromium	0.0400	0.0382	96	mg/L	02/02/10 12:57
	Cobalt	0.0400	0.0394	99	mg/L	02/02/10 12:57
	Copper	0.0400	0.0388	97	mg/L	02/02/10 12:57
	Lead	0.0400	0.0374	94	mg/L	02/02/10 12:57
	Selenium	0.0400	0.0385	96	mg/L	02/02/10 12:57
	Silver	0.0400	0.0397	99	mg/L	02/02/10 12:57
	Thallium	0.0400	0.0385	96	mg/L	02/02/10 12:57
	Vanadium	0.0400	0.0385	96	mg/L	02/02/10 12:57
	Zinc	0.0400	0.0392	98	mg/L	02/02/10 12:57
0B02020-CCV2	Arsenic	0.0400	0.0388	97	mg/L	02/02/10 13:17
	Beryllium	0.0400	0.0377	94	mg/L	02/02/10 13:17
	Cadmium	0.0400	0.0379	95	mg/L	02/02/10 13:17
	Chromium	0.0400	0.0387	97	mg/L	02/02/10 13:17
	Cobalt	0.0400	0.0391	98	mg/L	02/02/10 13:17
	Copper	0.0400	0.0384	96	mg/L	02/02/10 13:17
	Lead	0.0400	0.0383	96	mg/L	02/02/10 13:17
	Selenium	0.0400	0.0378	94	mg/L	02/02/10 13:17
	Silver	0.0400	0.0390	97	mg/L	02/02/10 13:17
	Thallium	0.0400	0.0385	96	mg/L	02/02/10 13:17
	Vanadium	0.0400	0.0397	99	mg/L	02/02/10 13:17
	Zinc	0.0400	0.0390	97	mg/L	02/02/10 13:17
0B02020-CCV3	Arsenic	0.0400	0.0408	102	mg/L	02/02/10 13:58
	Beryllium	0.0400	0.0370	93	mg/L	02/02/10 13:58
	Cadmium	0.0400	0.0379	95	mg/L	02/02/10 13:58
	Chromium	0.0400	0.0383	96	mg/L	02/02/10 13:58
	Cobalt	0.0400	0.0401	100	mg/L	02/02/10 13:58
	Copper	0.0400	0.0399	100	mg/L	02/02/10 13:58
	Lead	0.0400	0.0381	95	mg/L	02/02/10 13:58
	Selenium	0.0400	0.0387	97	mg/L	02/02/10 13:58
	Silver	0.0400	0.0396	99	mg/L	02/02/10 13:58
	Thallium	0.0400	0.0383	96	mg/L	02/02/10 13:58
	Vanadium	0.0400	0.0392	98	mg/L	02/02/10 13:58
	Zinc	0.0400	0.0383	96	mg/L	02/02/10 13:58
0B02020-CCV4	Arsenic	0.0400	0.0401	100	mg/L	02/02/10 14:40
	Beryllium	0.0400	0.0368	92	mg/L	02/02/10 14:40

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B02020
Instrument ID:201
Control Limt: +/- 10.00%
Calibration: 0B02004

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B02020-CCV4	Cadmium	0.0400	0.0368	92	mg/L	02/02/10 14:40
	Chromium	0.0400	0.0370	93	mg/L	02/02/10 14:40
	Cobalt	0.0400	0.0393	98	mg/L	02/02/10 14:40
	Copper	0.0400	0.0388	97	mg/L	02/02/10 14:40
	Lead	0.0400	0.0384	96	mg/L	02/02/10 14:40
	Selenium	0.0400	0.0391	98	mg/L	02/02/10 14:40
	Silver	0.0400	0.0384	96	mg/L	02/02/10 14:40
	Thallium	0.0400	0.0385	96	mg/L	02/02/10 14:40
	Vanadium	0.0400	0.0379	95	mg/L	02/02/10 14:40
	Zinc	0.0400	0.0379	95	mg/L	02/02/10 14:40
0B02020-CCV5	Arsenic	0.0400	0.0403	101	mg/L	02/02/10 15:22
	Cadmium	0.0400	0.0377	94	mg/L	02/02/10 15:22
	Chromium	0.0400	0.0375	94	mg/L	02/02/10 15:22
	Cobalt	0.0400	0.0386	96	mg/L	02/02/10 15:22
	Copper	0.0400	0.0391	98	mg/L	02/02/10 15:22
	Lead	0.0400	0.0377	94	mg/L	02/02/10 15:22
	Selenium	0.0400	0.0395	99	mg/L	02/02/10 15:22
	Silver	0.0400	0.0392	98	mg/L	02/02/10 15:22
	Thallium	0.0400	0.0382	96	mg/L	02/02/10 15:22
	Vanadium	0.0400	0.0375	94	mg/L	02/02/10 15:22
	Zinc	0.0400	0.0375	94	mg/L	02/02/10 15:22
0B02020-CCV6	Arsenic	0.0400	0.0402	100	mg/L	02/02/10 15:38
	Beryllium	0.0400	0.0366	91	mg/L	02/02/10 15:38
	Cadmium	0.0400	0.0371	93	mg/L	02/02/10 15:38
	Chromium	0.0400	0.0372	93	mg/L	02/02/10 15:38
	Cobalt	0.0400	0.0393	98	mg/L	02/02/10 15:38
	Copper	0.0400	0.0391	98	mg/L	02/02/10 15:38
	Lead	0.0400	0.0383	96	mg/L	02/02/10 15:38
	Selenium	0.0400	0.0396	99	mg/L	02/02/10 15:38
	Silver	0.0400	0.0385	96	mg/L	02/02/10 15:38
	Thallium	0.0400	0.0387	97	mg/L	02/02/10 15:38
	Vanadium	0.0400	0.0377	94	mg/L	02/02/10 15:38
	Zinc	0.0400	0.0379	95	mg/L	02/02/10 15:38
0B02020-CCV7	Beryllium	0.0400	0.0369	92	mg/L	02/02/10 15:52

* Values outside of QC limits

: 00386

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B03065
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0B04001

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B03065-CCV1	Beryllium	0.0400	0.0403	101	mg/L	02/03/10 18:50
	Cadmium	0.0400	0.0398	99	mg/L	02/03/10 18:50
	Chromium	0.0400	0.0391	98	mg/L	02/03/10 18:50
	Cobalt	0.0400	0.0404	101	mg/L	02/03/10 18:50
	Copper	0.0400	0.0404	101	mg/L	02/03/10 18:50
	Lead	0.0400	0.0394	98	mg/L	02/03/10 18:50
	Selenium	0.0400	0.0390	98	mg/L	02/03/10 18:50
	Silver	0.0400	0.0409	102	mg/L	02/03/10 18:50
	Thallium	0.0400	0.0394	99	mg/L	02/03/10 18:50
	Vanadium	0.0400	0.0386	97	mg/L	02/03/10 18:50
	Zinc	0.0400	0.0391	98	mg/L	02/03/10 18:50
0B03065-CCV2	Beryllium	0.0400	0.0390	98	mg/L	02/03/10 19:12
	Cadmium	0.0400	0.0396	99	mg/L	02/03/10 19:12
	Chromium	0.0400	0.0385	96	mg/L	02/03/10 19:12
	Cobalt	0.0400	0.0395	99	mg/L	02/03/10 19:12
	Copper	0.0400	0.0400	100	mg/L	02/03/10 19:12
	Lead	0.0400	0.0390	97	mg/L	02/03/10 19:12
	Selenium	0.0400	0.0393	98	mg/L	02/03/10 19:12
	Silver	0.0400	0.0403	101	mg/L	02/03/10 19:12
	Thallium	0.0400	0.0395	99	mg/L	02/03/10 19:12
	Vanadium	0.0400	0.0377	94	mg/L	02/03/10 19:12
	Zinc	0.0400	0.0387	97	mg/L	02/03/10 19:12
0B03065-CCV3	Beryllium	0.0400	0.0391	98	mg/L	02/03/10 19:59
	Cadmium	0.0400	0.0393	98	mg/L	02/03/10 19:59
	Chromium	0.0400	0.0393	98	mg/L	02/03/10 19:59
	Cobalt	0.0400	0.0395	99	mg/L	02/03/10 19:59
	Copper	0.0400	0.0406	102	mg/L	02/03/10 19:59
	Lead	0.0400	0.0400	100	mg/L	02/03/10 19:59
	Selenium	0.0400	0.0402	101	mg/L	02/03/10 19:59
	Silver	0.0400	0.0400	100	mg/L	02/03/10 19:59
	Thallium	0.0400	0.0404	101	mg/L	02/03/10 19:59
	Vanadium	0.0400	0.0384	96	mg/L	02/03/10 19:59
	Zinc	0.0400	0.0395	99	mg/L	02/03/10 19:59
0B03065-CCV4	Beryllium	0.0400	0.0398	99	mg/L	02/03/10 20:32
	Cadmium	0.0400	0.0395	99	mg/L	02/03/10 20:32
	Chromium	0.0400	0.0390	97	mg/L	02/03/10 20:32
	Cobalt	0.0400	0.0396	99	mg/L	02/03/10 20:32
	Copper	0.0400	0.0404	101	mg/L	02/03/10 20:32

00387

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B03065
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0B04001

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B03065-CCV4	Lead	0.0400	0.0395	99	mg/L	02/03/10 20:32
	Selenium	0.0400	0.0398	99	mg/L	02/03/10 20:32
	Silver	0.0400	0.0408	102	mg/L	02/03/10 20:32
	Thallium	0.0400	0.0400	100	mg/L	02/03/10 20:32
	Vanadium	0.0400	0.0389	97	mg/L	02/03/10 20:32
	Zinc	0.0400	0.0390	97	mg/L	02/03/10 20:32
0B03065-CCV5	Chromium	0.0400	0.0399	100	mg/L	02/03/10 21:10
	Copper	0.0400	0.0401	100	mg/L	02/03/10 21:10
	Lead	0.0400	0.0393	98	mg/L	02/03/10 21:10
	Zinc	0.0400	0.0389	97	mg/L	02/03/10 21:10
0B03065-CCV6	Chromium	0.0400	0.0393	98	mg/L	02/03/10 21:42
	Copper	0.0400	0.0401	100	mg/L	02/03/10 21:42
	Lead	0.0400	0.0404	101	mg/L	02/03/10 21:42
	Zinc	0.0400	0.0393	98	mg/L	02/03/10 21:42
0B03065-CCV7	Chromium	0.0400	0.0384	96	mg/L	02/03/10 21:52
	Copper	0.0400	0.0412	103	mg/L	02/03/10 21:52
	Lead	0.0400	0.0399	100	mg/L	02/03/10 21:52
	Zinc	0.0400	0.0392	98	mg/L	02/03/10 21:52

* Values outside of QC limits

: 00388

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B08022
Instrument ID: 201
Control Limt: +/- 10.00%
Calibration: 0B08014

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B08022-CCV1	Antimony	0.0400	0.0399	100	mg/L	02/08/10 10:37
0B08022-CCV2	Antimony	0.0400	0.0393	98	mg/L	02/08/10 10:47
0B08022-CCV3	Antimony	0.0400	0.0399	100	mg/L	02/08/10 11:13
0B08022-CCV4	Antimony	0.0400	0.0407	102	mg/L	02/08/10 11:41
0B08022-CCV5	Antimony	0.0400	0.0404	101	mg/L	02/08/10 12:08
0B08022-CCV6	Antimony	0.0400	0.0410	102	mg/L	02/08/10 12:31

* Values outside of QC limits

00389

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B08046
Instrument ID: 201
Control Limt: +/- 10.00%
Calibration: 0B09013

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B08046-CCV1	Arsenic	0.0400	0.0415	104	mg/L	02/08/10 18:04
0B08046-CCV2	Arsenic	0.0400	0.0414	104	mg/L	02/08/10 18:14
0B08046-CCV3	Arsenic	0.0400	0.0413	103	mg/L	02/08/10 18:39
0B08046-CCV4	Arsenic	0.0400	0.0408	102	mg/L	02/08/10 18:53

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. **SDG:** PM012510

Client: SulTRAC **Project:** Plainwell Mill

Sequence: 0B02020 **Instrument:** 201

Laboratory ID: 0B02020-SCV1 **Calibration:** 0B02004

Analyte	Expected	Found	% R	QC Limit	Units
Arsenic	0.0400	0.0388	97	90-110	mg/L
Beryllium	0.0400	0.0378	95	90-110	mg/L
Cadmium	0.0400	0.0379	95	90-110	mg/L
Chromium	0.0400	0.0382	96	90-110	mg/L
Cobalt	0.0400	0.0394	99	90-110	mg/L
Copper	0.0400	0.0388	97	90-110	mg/L
Lead	0.0400	0.0374	94	90-110	mg/L
Selenium	0.0400	0.0385	96	90-110	mg/L
Silver	0.0400	0.0397	99	90-110	mg/L
Thallium	0.0400	0.0385	96	90-110	mg/L
Vanadium	0.0400	0.0385	96	90-110	mg/L
Zinc	0.0400	0.0392	98	90-110	mg/L

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B03065
Instrument: 114
Laboratory ID: 0B03065-SCV1
Calibration: 0B04001

Analyte	Expected	Found	% R	QC Limit	Units
Beryllium	0.0400	0.0403	101	90-110	mg/L
Cadmium	0.0400	0.0398	100	90-110	mg/L
Chromium	0.0400	0.0391	98	90-110	mg/L
Cobalt	0.0400	0.0404	101	90-110	mg/L
Copper	0.0400	0.0404	101	90-110	mg/L
Lead	0.0400	0.0394	99	90-110	mg/L
Selenium	0.0400	0.0390	98	90-110	mg/L
Silver	0.0400	0.0409	102	90-110	mg/L
Thallium	0.0400	0.0394	99	90-110	mg/L
Vanadium	0.0400	0.0386	97	90-110	mg/L
Zinc	0.0400	0.0391	98	90-110	mg/L

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B08022
Instrument: 201
Laboratory ID: 0B08022-SCV1
Calibration: 0B08014

Analyte	Expected	Found	% R	QC Limit	Units
Antimony	0.0400	0.0399	100	90-110	mg/L

* Values outside of QC limits

: 00393

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B08046
Instrument: 201
Laboratory ID: 0B08046-SCV1
Calibration: 0B09013

Analyte	Expected	Found	% R	QC Limit	Units
Arsenic	0.0400	0.0415	104	90-110	mg/L

* Values outside of QC limits

: 00394

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0B02020

Instrument ID: 201

Calibration: 0B02004

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B02020-CRL1	Cadmium	0.000200	0.000197	98	mg/L	50 - 150
	Silver	0.000200	0.000206	103	mg/L	50 - 150
	Thallium	0.000200	0.000206	103	mg/L	50 - 150
0B02020-CRL2	Arsenic	0.00100	0.000969	97	mg/L	50 - 150
	Beryllium	0.00100	0.000961	96	mg/L	50 - 150
	Chromium	0.00100	0.00103	103	mg/L	50 - 150
	Cobalt	0.00100	0.00102	102	mg/L	50 - 150
	Copper	0.00100	0.00104	104	mg/L	50 - 150
	Lead	0.00100	0.00102	102	mg/L	50 - 150
	Selenium	0.00100	0.000993	99	mg/L	50 - 150
	Vanadium	0.00100	0.00103	103	mg/L	50 - 150
	Zinc	0.00100	0.00118	118	mg/L	50 - 150

* Values outside of QC limits

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0B03065

Instrument ID: 114

Calibration: 0B04001

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B03065-CRL1	Cadmium	0.000200	0.000194	97	mg/L	50 - 150
	Silver	0.000200	0.000218	109	mg/L	50 - 150
	Thallium	0.000200	0.000196	98	mg/L	50 - 150
0B03065-CRL2	Beryllium	0.00100	0.00102	102	mg/L	50 - 150
	Chromium	0.00100	0.00103	103	mg/L	50 - 150
	Cobalt	0.00100	0.00100	100	mg/L	50 - 150
	Copper	0.00100	0.00103	103	mg/L	50 - 150
	Lead	0.00100	0.00100	100	mg/L	50 - 150
	Selenium	0.00100	0.000999	100	mg/L	50 - 150
	Vanadium	0.00100	0.000977	98	mg/L	50 - 150
	Zinc	0.00100	0.000941	94	mg/L	50 - 150

* Values outside of QC limits

00396

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0B08022

Instrument ID: 201

Calibration: 0B08014

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B08022-CRL1	Antimony	0.00100	0.00106	106	mg/L	50 - 150

* Values outside of QC limits

: 00397

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B08046

SDG: PM012510

Project: Plainwell Mill

Instrument ID: 201

Calibration: 0B09013

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B08046-CRL1	Arsenic	0.00100	0.00104	104	mg/L	50 - 150

* Values outside of QC limits

00398

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B02020

SDG: PM012510
Project: Plainwell Mill
Instrument ID: 201
Calibration: 0B02004

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B02020-CCB1	Arsenic	-0.000019	0.00020	0.000079	mg/L	U	02/02/10 13:00
	Beryllium	0.000011	0.00020	0.000062	mg/L	U	02/02/10 13:00
	Cadmium	0.0000040	0.00010	0.000015	mg/L	U	02/02/10 13:00
	Chromium	0.000011	0.00040	0.00011	mg/L	U	02/02/10 13:00
	Cobalt	0.0000040	0.00020	0.000016	mg/L	U	02/02/10 13:00
	Copper	0.000013	0.00020	0.00016	mg/L	U	02/02/10 13:00
	Lead	0.0000070	0.00020	0.00011	mg/L	U	02/02/10 13:00
	Selenium	-0.000094	0.00040	0.00018	mg/L	U	02/02/10 13:00
	Silver	0.000031	0.00010	0.000022	mg/L	J	02/02/10 13:00
	Thallium	0.000010	0.00010	0.000032	mg/L	U	02/02/10 13:00
	Vanadium	-0.000012	0.00020	0.000079	mg/L	U	02/02/10 13:00
	Zinc	0.000011	0.0020	0.00093	mg/L	U	02/02/10 13:00
0B02020-CCB2	Arsenic	-0.000022	0.00020	0.000079	mg/L	U	02/02/10 13:20
	Beryllium	0.0000090	0.00020	0.000062	mg/L	U	02/02/10 13:20
	Cadmium	0.0000030	0.00010	0.000015	mg/L	U	02/02/10 13:20
	Chromium	-0.000023	0.00040	0.00011	mg/L	U	02/02/10 13:20
	Cobalt	0.0000030	0.00020	0.000016	mg/L	U	02/02/10 13:20
	Copper	0.0000050	0.00020	0.00016	mg/L	U	02/02/10 13:20
	Lead	0.0000060	0.00020	0.00011	mg/L	U	02/02/10 13:20
	Selenium	0.000081	0.00040	0.00018	mg/L	U	02/02/10 13:20
	Silver	0.000025	0.00010	0.000022	mg/L	J	02/02/10 13:20
	Thallium	0.0000050	0.00010	0.000032	mg/L	U	02/02/10 13:20
	Vanadium	-0.000041	0.00020	0.000079	mg/L	U	02/02/10 13:20
	Zinc	0.0000070	0.0020	0.00093	mg/L	U	02/02/10 13:20
0B02020-CCB3	Arsenic	0.000026	0.00020	0.000079	mg/L	U	02/02/10 14:01
	Beryllium	0.000011	0.00020	0.000062	mg/L	U	02/02/10 14:01
	Cadmium	0.0000050	0.00010	0.000015	mg/L	U	02/02/10 14:01
	Chromium	-0.0000020	0.00040	0.00011	mg/L	U	02/02/10 14:01
	Cobalt	0.0000050	0.00020	0.000016	mg/L	U	02/02/10 14:01
	Copper	0.000017	0.00020	0.00016	mg/L	U	02/02/10 14:01
	Lead	0.0000080	0.00020	0.00011	mg/L	U	02/02/10 14:01
	Selenium	-0.000013	0.00040	0.00018	mg/L	U	02/02/10 14:01
	Silver	0.000020	0.00010	0.000022	mg/L	U	02/02/10 14:01

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B02020

SDG: PM012510
Project: Plainwell Mill
Instrument ID: 201
Calibration: 0B02004

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B02020-CCB3	Thallium	0.0000070	0.00010	0.000032	mg/L	U	02/02/10 14:01
	Vanadium	-0.000027	0.00020	0.000079	mg/L	U	02/02/10 14:01
	Zinc	0.0000010	0.0020	0.00093	mg/L	U	02/02/10 14:01
0B02020-CCB4	Arsenic	0.0000070	0.00020	0.000079	mg/L	U	02/02/10 14:43
	Beryllium	0.000016	0.00020	0.000062	mg/L	U	02/02/10 14:43
	Cadmium	0.0000050	0.00010	0.000015	mg/L	U	02/02/10 14:43
	Chromium	0.000032	0.00040	0.00011	mg/L	U	02/02/10 14:43
	Cobalt	0.0000050	0.00020	0.000016	mg/L	U	02/02/10 14:43
	Copper	0.000019	0.00020	0.00016	mg/L	U	02/02/10 14:43
	Lead	0.0000090	0.00020	0.00011	mg/L	U	02/02/10 14:43
	Selenium	-0.00012	0.00040	0.00018	mg/L	U	02/02/10 14:43
	Silver	0.000026	0.00010	0.000022	mg/L	J	02/02/10 14:43
	Thallium	0.0000070	0.00010	0.000032	mg/L	U	02/02/10 14:43
	Vanadium	0.0	0.00020	0.000079	mg/L	U	02/02/10 14:43
	Zinc	0.0000010	0.0020	0.00093	mg/L	U	02/02/10 14:43
0B02020-CCB5	Arsenic	0.000024	0.00020	0.000079	mg/L	U	02/02/10 15:25
	Cadmium	0.0000040	0.00010	0.000015	mg/L	U	02/02/10 15:25
	Chromium	-0.000034	0.00040	0.00011	mg/L	U	02/02/10 15:25
	Cobalt	0.0000040	0.00020	0.000016	mg/L	U	02/02/10 15:25
	Copper	0.000021	0.00020	0.00016	mg/L	U	02/02/10 15:25
	Lead	0.000012	0.00020	0.00011	mg/L	U	02/02/10 15:25
	Selenium	0.000060	0.00040	0.00018	mg/L	U	02/02/10 15:25
	Silver	0.000023	0.00010	0.000022	mg/L	J	02/02/10 15:25
	Thallium	0.0000070	0.00010	0.000032	mg/L	U	02/02/10 15:25
	Vanadium	-0.000027	0.00020	0.000079	mg/L	U	02/02/10 15:25
	Zinc	0.0000080	0.0020	0.00093	mg/L	U	02/02/10 15:25
0B02020-CCB6	Arsenic	0.000020	0.00020	0.000079	mg/L	U	02/02/10 15:42
	Beryllium	0.0000090	0.00020	0.000062	mg/L	U	02/02/10 15:42
	Cadmium	0.0000040	0.00010	0.000015	mg/L	U	02/02/10 15:42
	Chromium	0.00015	0.00040	0.00011	mg/L	J	02/02/10 15:42
	Cobalt	0.0000040	0.00020	0.000016	mg/L	U	02/02/10 15:42
	Copper	0.000014	0.00020	0.00016	mg/L	U	02/02/10 15:42
	Lead	0.0000070	0.00020	0.00011	mg/L	U	02/02/10 15:42

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B02020

SDG: PM012510
Project: Plainwell Mill
Instrument ID: 201
Calibration: 0B02004

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B02020-CCB6	Selenium	-0.000050	0.00040	0.00018	mg/L	U	02/02/10 15:42
	Silver	0.000020	0.00010	0.000022	mg/L	U	02/02/10 15:42
	Thallium	0.0000060	0.00010	0.000032	mg/L	U	02/02/10 15:42
	Vanadium	0.000035	0.00020	0.000079	mg/L	U	02/02/10 15:42
	Zinc	-0.0000010	0.0020	0.00093	mg/L	U	02/02/10 15:42
0B02020-CCB7	Beryllium	0.000011	0.00020	0.000062	mg/L	U	02/02/10 15:55

* Values outside of QC limits

: 00401

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B03065
Instrument ID: 114
Calibration: 0B04001

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B03065-CCB1	Beryllium	0.000011	0.00020	0.000062	mg/L	U	02/03/10 18:53
	Cadmium	0.0000020	0.00010	0.000015	mg/L	U	02/03/10 18:53
	Chromium	0.000033	0.00040	0.00011	mg/L	U	02/03/10 18:53
	Cobalt	0.0000020	0.00020	0.000016	mg/L	U	02/03/10 18:53
	Copper	0.0000050	0.00020	0.00016	mg/L	U	02/03/10 18:53
	Lead	0.0000040	0.00020	0.00011	mg/L	U	02/03/10 18:53
	Selenium	0.00011	0.00040	0.00018	mg/L	U	02/03/10 18:53
	Silver	0.000032	0.00010	0.000022	mg/L	J	02/03/10 18:53
	Thallium	0.0000060	0.00010	0.000032	mg/L	U	02/03/10 18:53
	Vanadium	0.0000070	0.00020	0.000079	mg/L	U	02/03/10 18:53
	Zinc	-0.0000010	0.0020	0.00093	mg/L	U	02/03/10 18:53
0B03065-CCB2	Beryllium	0.0000050	0.00020	0.000062	mg/L	U	02/03/10 19:16
	Cadmium	0.0000020	0.00010	0.000015	mg/L	U	02/03/10 19:16
	Chromium	0.000076	0.00040	0.00011	mg/L	U	02/03/10 19:16
	Cobalt	0.0	0.00020	0.000016	mg/L	U	02/03/10 19:16
	Copper	0.0000030	0.00020	0.00016	mg/L	U	02/03/10 19:16
	Lead	0.0000020	0.00020	0.00011	mg/L	U	02/03/10 19:16
	Selenium	0.00017	0.00040	0.00018	mg/L	U	02/03/10 19:16
	Silver	0.000025	0.00010	0.000022	mg/L	J	02/03/10 19:16
	Thallium	0.0000020	0.00010	0.000032	mg/L	U	02/03/10 19:16
	Vanadium	0.000011	0.00020	0.000079	mg/L	U	02/03/10 19:16
	Zinc	-0.0000050	0.0020	0.00093	mg/L	U	02/03/10 19:16
0B03065-CCB3	Beryllium	-0.0000040	0.00020	0.000062	mg/L	U	02/03/10 20:10
	Cadmium	-0.0000010	0.00010	0.000015	mg/L	U	02/03/10 20:10
	Chromium	0.000018	0.00040	0.00011	mg/L	U	02/03/10 20:10
	Cobalt	-0.0000020	0.00020	0.000016	mg/L	U	02/03/10 20:10
	Copper	0.0000050	0.00020	0.00016	mg/L	U	02/03/10 20:10
	Lead	0.000012	0.00020	0.00011	mg/L	U	02/03/10 20:10
	Selenium	0.00017	0.00040	0.00018	mg/L	U	02/03/10 20:10
	Silver	0.0000030	0.00010	0.000022	mg/L	U	02/03/10 20:10
	Thallium	-0.0000010	0.00010	0.000032	mg/L	U	02/03/10 20:10
	Vanadium	0.0000030	0.00020	0.000079	mg/L	U	02/03/10 20:10
	Zinc	0.000075	0.0020	0.00093	mg/L	U	02/03/10 20:10

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B03065
Instrument ID: 114
Calibration: 0B04001

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B03065-CCB4	Beryllium	-0.0000020	0.00020	0.000062	mg/L	U	02/03/10 20:35
	Cadmium	0.0000020	0.00010	0.000015	mg/L	U	02/03/10 20:35
	Chromium	0.000039	0.00040	0.00011	mg/L	U	02/03/10 20:35
	Cobalt	0.0	0.00020	0.000016	mg/L	U	02/03/10 20:35
	Copper	0.0000020	0.00020	0.00016	mg/L	U	02/03/10 20:35
	Lead	0.000012	0.00020	0.00011	mg/L	U	02/03/10 20:35
	Selenium	0.00016	0.00040	0.00018	mg/L	U	02/03/10 20:35
	Silver	0.000021	0.00010	0.000022	mg/L	U	02/03/10 20:35
	Thallium	0.0000030	0.00010	0.000032	mg/L	U	02/03/10 20:35
	Vanadium	0.0000080	0.00020	0.000079	mg/L	U	02/03/10 20:35
	Zinc	0.000077	0.0020	0.00093	mg/L	U	02/03/10 20:35
0B03065-CCB5	Chromium	-0.000019	0.00040	0.00011	mg/L	U	02/03/10 21:13
	Copper	0.0000030	0.00020	0.00016	mg/L	U	02/03/10 21:13
	Lead	0.000011	0.00020	0.00011	mg/L	U	02/03/10 21:13
	Zinc	0.000044	0.0020	0.00093	mg/L	U	02/03/10 21:13
0B03065-CCB6	Chromium	-0.000034	0.00040	0.00011	mg/L	U	02/03/10 21:44
	Copper	0.0000050	0.00020	0.00016	mg/L	U	02/03/10 21:44
	Lead	0.000012	0.00020	0.00011	mg/L	U	02/03/10 21:44
	Zinc	0.000057	0.0020	0.00093	mg/L	U	02/03/10 21:44
0B03065-CCB7	Chromium	-0.000026	0.00040	0.00011	mg/L	U	02/03/10 21:55
	Copper	0.0000040	0.00020	0.00016	mg/L	U	02/03/10 21:55
	Lead	0.000011	0.00020	0.00011	mg/L	U	02/03/10 21:55
	Zinc	0.000076	0.0020	0.00093	mg/L	U	02/03/10 21:55

* Values outside of QC limits

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B08022
Instrument ID: 201
Calibration: 0B08014

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B08022-CCB1	Antimony	0.000056	0.00020	0.000090	mg/L	U	02/08/10 10:39
0B08022-CCB2	Antimony	0.000039	0.00020	0.000090	mg/L	U	02/08/10 10:49
0B08022-CCB3	Antimony	0.000026	0.00020	0.000090	mg/L	U	02/08/10 11:16
0B08022-CCB4	Antimony	0.000022	0.00020	0.000090	mg/L	U	02/08/10 11:43
0B08022-CCB5	Antimony	0.000022	0.00020	0.000090	mg/L	U	02/08/10 12:10
0B08022-CCB6	Antimony	0.000025	0.00020	0.000090	mg/L	U	02/08/10 12:33

* Values outside of QC limits

: 204404

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B08046

SDG: PM012510
Project: Plainwell Mill
Instrument ID: 201
Calibration: 0B09013

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B08046-CCB1	Arsenic	0.000068	0.00020	0.000079	mg/L	U	02/08/10 18:06
0B08046-CCB2	Arsenic	-0.000024	0.00020	0.000079	mg/L	U	02/08/10 18:16
0B08046-CCB3	Arsenic	-0.0000030	0.00020	0.000079	mg/L	U	02/08/10 18:41
0B08046-CCB4	Arsenic	0.000069	0.00020	0.000079	mg/L	U	02/08/10 18:55

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B02020

SDG: PM012510

Project: Plainwell Mill

Instrument ID: 201

Calibration: 0B02004

Lab Sample ID	Analyte	True	Found	%R	Units
0B02020-IFA1	Arsenic	0.00	-0.0000310		mg/L
	Beryllium	0.00	0.00000600		mg/L
	Cadmium	0.00	0.000282		mg/L
	Chromium	0.00	0.000173		mg/L
	Cobalt	0.00	0.00000800		mg/L
	Copper	0.00	0.000275		mg/L
	Lead	0.00	0.0000130		mg/L
	Selenium	0.00	-0.000109		mg/L
	Silver	0.00	0.0000180		mg/L
	Thallium	0.00	0.00000600		mg/L
	Vanadium	0.00	-0.0000110		mg/L
	Zinc	0.00	0.00179		mg/L
0B02020-IFB1	Arsenic	0.0200	0.0189	95	mg/L
	Beryllium	0.0200	0.0183	91	mg/L
	Cadmium	0.0200	0.0192	96	mg/L
	Chromium	0.0200	0.0190	95	mg/L
	Cobalt	0.0200	0.0189	95	mg/L
	Copper	0.0200	0.0187	94	mg/L
	Lead	0.0200	0.0188	94	mg/L
	Selenium	0.0200	0.0183	92	mg/L
	Silver	0.0200	0.0192	96	mg/L
	Thallium	0.0200	0.0190	95	mg/L
	Vanadium	0.0200	0.0192	96	mg/L
	Zinc	0.0200	0.0202	101	mg/L

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B03065

SDG: PM012510

Project: Plainwell Mill

Instrument ID: 114

Calibration: 0B04001

Lab Sample ID	Analyte	True	Found	%R	Units
0B03065-IFA1	Beryllium	0.00	-0.00000100		mg/L
	Cadmium	0.00	0.000332		mg/L
	Chromium	0.00	0.000175		mg/L
	Cobalt	0.00	0.00000900		mg/L
	Copper	0.00	0.000274		mg/L
	Lead	0.00	0.0000150		mg/L
	Selenium	0.00	0.000149		mg/L
	Silver	0.00	0.0000280		mg/L
	Thallium	0.00	0.00000800		mg/L
	Vanadium	0.00	-0.0000250		mg/L
	Zinc	0.00	0.00157		mg/L
0B03065-IFB1	Beryllium	0.0200	0.0193	97	mg/L
	Cadmium	0.0200	0.0200	100	mg/L
	Chromium	0.0200	0.0184	92	mg/L
	Cobalt	0.0200	0.0187	94	mg/L
	Copper	0.0200	0.0188	94	mg/L
	Lead	0.0200	0.0195	97	mg/L
	Selenium	0.0200	0.0196	98	mg/L
	Silver	0.0200	0.0198	99	mg/L
	Thallium	0.0200	0.0196	98	mg/L
	Vanadium	0.0200	0.0187	93	mg/L
	Zinc	0.0200	0.0200	100	mg/L

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B08022

SDG: PM012510

Project: Plainwell Mill

Instrument ID: 201

Calibration: 0B08014

Lab Sample ID	Analyte	True	Found	%R	Units
0B08022-IFA1	Antimony	0.00	0.0000230		mg/L
0B08022-IFB1	Antimony	0.0200	0.0201	100	mg/L

* Values outside of QC limits

: 00408

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B08046

SDG: PM012510

Project: Plainwell Mill

Instrument ID: 201

Calibration: 0B09013

Lab Sample ID	Analyte	True	Found	%R	Units
0B08046-IFA1	Arsenic	0.00	0.000118		mg/L
0B08046-IFB1	Arsenic	0.0200	0.0204	102	mg/L

* Values outside of QC limits

QC BATCH SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1000788
QC Batch Matrix: Soil
Preparation: 3050B Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000788-BLK1	02/01/10 07:00	
LCS	1000788-BS1	02/01/10 07:00	
S-SO-56394-CB-012610-166	1000788-MS1	02/01/10 07:00	
S-SO-56394-CB-012610-166	1000788-MSD1	02/01/10 07:00	
S-SO-56394-CB-012610-166	1000788-PS1	02/02/10 12:30	[Spk] 0.5026g->250mL; 10mL->10mL; Spiked 10mL
S-SO-56394-CB-012510-129	1001350-01	02/01/10 07:00	
S-SO-56394-CB-012510-133	1001350-02	02/01/10 07:00	
S-SO-56394-CB-012510-137	1001350-03	02/01/10 07:00	
S-SO-56394-CB-012510-144	1001350-04	02/01/10 07:00	
S-SO-56394-DR-012510-1069	1001350-05	02/01/10 07:00	
S-SO-56394-DR-012510-1059	1001350-06	02/01/10 07:00	
S-SO-56394-CB-012510-143	1001350-07	02/01/10 07:00	
S-SO-56394-DR-012510-1063	1001350-08	02/01/10 07:00	
S-SO-56394-CB-012610-153	1001350-09	02/01/10 07:00	
S-SO-56394-CB-012610-158	1001350-10	02/01/10 07:00	
S-SO-56394-CB-012610-160	1001350-11	02/01/10 07:00	
S-SO-56394-CB-012610-165	1001350-12	02/01/10 07:00	
S-SO-56394-DR-012610-1078	1001350-13	02/01/10 07:00	
SD-SO-56394-DR-012610-1078	1001350-14	02/01/10 07:00	
S-SO-56394-DR-012610-1075	1001350-15	02/01/10 07:00	
S-SO-56394-CB-012610-166	1001350-16	02/01/10 07:00	

: 00410

QC BATCH SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510

Client: SulTRAC Project: Plainwell Mill

QC Batch: 1000842 QC Batch Matrix: Soil Preparation: 3050B Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000842-BLK1	02/01/10 08:30	
LCS	1000842-BS1	02/01/10 08:30	
S-SO-56394-CB-012610-166	1000842-MS1	02/01/10 08:30	
S-SO-56394-CB-012610-166	1000842-MSD1	02/01/10 08:30	
S-SO-56394-CB-012610-166	1000842-PS1	02/08/10 10:30	[Spk] 0.5033g->250mL; 5mL->5mL; Spiked 5mL
S-SO-56394-CB-012510-129	1001350-01	02/01/10 08:30	
S-SO-56394-CB-012510-133	1001350-02	02/01/10 08:30	
S-SO-56394-CB-012510-137	1001350-03	02/01/10 08:30	
S-SO-56394-CB-012510-144	1001350-04	02/01/10 08:30	
S-SO-56394-DR-012510-1069	1001350-05	02/01/10 08:30	
S-SO-56394-DR-012510-1059	1001350-06	02/01/10 08:30	
S-SO-56394-CB-012510-143	1001350-07	02/01/10 08:30	
S-SO-56394-DR-012510-1063	1001350-08	02/01/10 08:30	
S-SO-56394-CB-012610-153	1001350-09	02/01/10 08:30	
S-SO-56394-CB-012610-158	1001350-10	02/01/10 08:30	
S-SO-56394-CB-012610-160	1001350-11	02/01/10 08:30	
S-SO-56394-CB-012610-165	1001350-12	02/01/10 08:30	
S-SO-56394-DR-012610-1078	1001350-13	02/01/10 08:30	
SD-SO-56394-DR-012610-1078	1001350-14	02/01/10 08:30	
S-SO-56394-DR-012610-1075	1001350-15	02/01/10 08:30	
S-SO-56394-CB-012610-166	1001350-16	02/01/10 08:30	

: 20411

QC BATCH SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510

Client: SulTRAC Project: Plainwell Mill

QC Batch: 1000891 QC Batch Matrix: Soil Preparation: 3050B Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000891-BLK1	02/02/10 07:00	
Blank	1000891-BLK2	02/02/10 07:00	
LCS	1000891-BS1	02/02/10 07:00	
LCS	1000891-BS2	02/02/10 07:00	
S-SO-56394-CB-012710-183	1000891-MS1	02/02/10 07:00	
S-SO-56394-CB-012710-183	1000891-MS2	02/02/10 07:00	
S-SO-56394-CB-012710-183	1000891-MSD1	02/02/10 07:00	
S-SO-56394-CB-012710-183	1000891-MSD2	02/02/10 07:00	
S-SO-56394-CB-012710-183	1000891-PS1	02/03/10 18:20	[Spk] 0.5318g->250mL; 10mL->10mL; Spiked 10mL
S-SO-56394-CB-012710-183	1000891-PS2	02/03/10 18:20	[Spk] 0.5318g->250mL; 0.2mL->0.2mL; Spiked 0.2mL
S-SO-56394-CB-012710-183	1000891-PS3	02/03/10 18:20	[Spk] 0.5318g->250mL; 0.4mL->0.4mL; Spiked 0.4mL
S-SO-56394-CB-012710-183	1000891-PS4	02/03/10 18:20	[Spk] 0.5318g->250mL; 1mL->1mL; Spiked 1mL
S-SO-56394-CB-012710-183	1000891-PS5	02/08/10 18:00	[Spk] 0.5318g->250mL; 10mL->10mL; Spiked 10mL
S-SO-56394-CB-012710-168	1001382-01	02/02/10 07:00	
SD-SO-56394-CB-012710-168	1001382-02	02/02/10 07:00	
S-SO-56394-CB-012710-177	1001382-03	02/02/10 07:00	
S-SO-56394-CB-012710-180	1001382-04	02/02/10 07:00	
S-SO-56394-CB-012710-182	1001382-05	02/02/10 07:00	
S-SO-56394-CB-012710-183	1001382-06	02/02/10 07:00	
S-SO-56394-CB-012810-189	1001382-07	02/02/10 07:00	
SD-SO-56394-CB-012810-189	1001382-08	02/02/10 07:00	
S-SO-56394-CB-012810-190	1001382-09	02/02/10 07:00	

: 00412

QC BATCH SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510

Client: SulTRAC Project: Plainwell Mill

QC Batch: 1000929 QC Batch Matrix: Soil Preparation: 3050B Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000929-BLK1	02/03/10 09:00	
LCS	1000929-BS1	02/03/10 09:00	
S-SO-56394-CB-012710-183	1000929-MS1	02/03/10 09:00	
S-SO-56394-CB-012710-183	1000929-MSD1	02/03/10 09:00	
S-SO-56394-CB-012710-183	1000929-PS1	02/08/10 10:30	[Spk] 0.5032g->250mL; 5mL->5mL; Spiked 5mL
S-SO-56394-CB-012710-168	1001382-01	02/03/10 09:00	
SD-SO-56394-CB-012710-168	1001382-02	02/03/10 09:00	
S-SO-56394-CB-012710-177	1001382-03	02/03/10 09:00	
S-SO-56394-CB-012710-180	1001382-04	02/03/10 09:00	
S-SO-56394-CB-012710-182	1001382-05	02/03/10 09:00	
S-SO-56394-CB-012710-183	1001382-06	02/03/10 09:00	
S-SO-56394-CB-012810-189	1001382-07	02/03/10 09:00	
SD-SO-56394-CB-012810-189	1001382-08	02/03/10 09:00	
S-SO-56394-CB-012810-190	1001382-09	02/03/10 09:00	

: 00413

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000788-BLK1
File ID: 0b02020-017
Prepared: 02/01/10 07:00
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 250 mL
Analyzed: 02/02/10 13:24
Instrument: 201
QC Batch: 1000788
Sequence: 0B02020
Calibration: 0B02004

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-38-2	Arsenic, Total	0.039	0.10	0.10	mg/kg dry wt.	U
7440-41-7	Beryllium, Total	0.031	0.10	0.10	mg/kg dry wt.	U
7440-43-9	Cadmium, Total	0.0076	0.050	0.050	mg/kg dry wt.	U
7440-47-3	Chromium, Total	0.057	0.20	0.20	mg/kg dry wt.	U
7440-48-4	Cobalt, Total	0.0080	0.10	0.10	mg/kg dry wt.	U
7440-50-8	Copper, Total	0.078	0.10	0.10	mg/kg dry wt.	U
7439-92-1	Lead, Total	0.054	0.10	0.10	mg/kg dry wt.	U
7782-49-2	Selenium, Total	0.088	0.20	0.20	mg/kg dry wt.	U
7440-22-4	Silver, Total	0.011	0.050	0.050	mg/kg dry wt.	U
7440-28-0	Thallium, Total	0.016	0.050	0.050	mg/kg dry wt.	U
7440-62-2	Vanadium, Total	0.040	0.10	0.10	mg/kg dry wt.	U
7440-66-6	Zinc, Total	0.46	1.0	1.0	mg/kg dry wt.	U

00414

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000842-BLK1
File ID: 0b08022-015
Prepared: 02/01/10 08:30
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 250 mL
Analyzed: 02/08/10 10:51
Instrument: 201
QC Batch: 1000842
Sequence: 0B08022
Calibration: 0B08014

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-36-0	Antimony, Total	0.045	0.10	0.10	mg/kg dry wt.	U

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000891-BLK1
File ID: 0b03065-017
Prepared: 02/02/10 07:00
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 250 mL
Analyzed: 02/03/10 19:19
Instrument: 114
QC Batch: 1000891
Sequence: 0B03065
Calibration: 0B04001

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-41-7	Beryllium, Total	0.031	0.10	0.10	mg/kg dry wt.	U
7440-43-9	Cadmium, Total	0.0076	0.050	0.050	mg/kg dry wt.	U
7440-47-3	Chromium, Total	0.057	0.20	0.20	mg/kg dry wt.	U
7440-48-4	Cobalt, Total	0.0080	0.10	0.10	mg/kg dry wt.	U
7440-50-8	Copper, Total	0.078	0.10	0.10	mg/kg dry wt.	U
7439-92-1	Lead, Total	0.054	0.10	0.10	mg/kg dry wt.	U
7782-49-2	Selenium, Total	0.088	0.20	0.20	mg/kg dry wt.	U
7440-22-4	Silver, Total	0.011	0.050	0.050	mg/kg dry wt.	U
7440-28-0	Thallium, Total	0.016	0.050	0.050	mg/kg dry wt.	U
7440-62-2	Vanadium, Total	0.040	0.10	0.10	mg/kg dry wt.	U
7440-66-6	Zinc, Total	0.46	1.0	1.0	mg/kg dry wt.	U

: 00416

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000891-BLK2
File ID: 0b08046-015
Prepared: 02/02/10 07:00
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 250 mL
Analyzed: 02/08/10 18:18
Instrument: 201
QC Batch: 1000891
Sequence: 0B08046
Calibration: 0B09013

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-38-2	Arsenic, Total	0.039	0.10	0.10	mg/kg dry wt.	U

00417

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000929-BLK1
File ID: 0b08022-041
Prepared: 02/03/10 09:00
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 250 mL
Analyzed: 02/08/10 11:50
Instrument: 201
QC Batch: 1000929
Sequence: 0B08022
Calibration: 0B08014

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-36-0	Antimony, Total	0.045	0.10	0.10	mg/kg dry wt.	U

00418

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-012610-166

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5076 g / 250 mL

Laboratory ID: 1000788-MS1

QC Batch: 1000788

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Arsenic, Total	19.7	5.25	24.1	96	75 - 125	mg/kg dry wt.
Beryllium, Total	19.7	0.301	18.4	92	75 - 125	mg/kg dry wt.
Cadmium, Total	19.7	0.122	18.9	95	75 - 125	mg/kg dry wt.
Chromium, Total	19.7	7.00	25.6	94	75 - 125	mg/kg dry wt.
Cobalt, Total	19.7	3.55	21.7	92	75 - 125	mg/kg dry wt.
Copper, Total	19.7	8.96	26.9	91	75 - 125	mg/kg dry wt.
Lead, Total	19.7	18.1	38.2	102	75 - 125	mg/kg dry wt.
Selenium, Total	19.7	ND	17.7	90	75 - 125	mg/kg dry wt.
Silver, Total	19.7	0.0378	18.7	95	75 - 125	mg/kg dry wt.
Thallium, Total	19.7	0.0657	18.6	94	75 - 125	mg/kg dry wt.
Vanadium, Total	19.7	9.48	29.2	100	75 - 125	mg/kg dry wt.
Zinc, Total	19.7	31.8	47.6	80	75 - 125	mg/kg dry wt.

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

* Values outside of QC limits

: 00419

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-012610-166

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5014 g / 250 mL

Laboratory ID: 1000788-MSD1

QC Batch: 1000788

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Arsenic, Total	19.9	23.6	92	2	20	75 - 125	mg/kg dry wt.
Beryllium, Total	19.9	18.5	91	0.4	20	75 - 125	mg/kg dry wt.
Cadmium, Total	19.9	18.8	93	0.8	20	75 - 125	mg/kg dry wt.
Chromium, Total	19.9	27.0	100	5	20	75 - 125	mg/kg dry wt.
Cobalt, Total	19.9	21.8	92	0.7	20	75 - 125	mg/kg dry wt.
Copper, Total	19.9	27.1	91	0.8	20	75 - 125	mg/kg dry wt.
Lead, Total	19.9	38.3	101	0.3	20	75 - 125	mg/kg dry wt.
Selenium, Total	19.9	18.0	90	2	20	75 - 125	mg/kg dry wt.
Silver, Total	19.9	18.9	94	0.8	20	75 - 125	mg/kg dry wt.
Thallium, Total	19.9	18.7	93	0.3	20	75 - 125	mg/kg dry wt.
Vanadium, Total	19.9	30.1	103	3	20	75 - 125	mg/kg dry wt.
Zinc, Total	19.9	45.4	68 *	5	20	75 - 125	mg/kg dry wt.

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

* Values outside of QC limits

00420

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-012610-166

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5016 g / 250 mL

Laboratory ID: 1000842-MS1

QC Batch: 1000842

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Antimony, Total	19.9	0.234	19.6	97	75 - 125	mg/kg dry wt.

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

* Values outside of QC limits

00421

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-012610-166

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5023 g / 250 mL

Laboratory ID: 1000842-MSD1

QC Batch: 1000842

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Antimony, Total	19.9	19.3	96	2	20	75 - 125	mg/kg dry wt.

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

* Values outside of QC limits

: 00422

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6020A

S-SO-56394-CB-012710-183

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5272 g / 250 mL

Laboratory ID: 1000891-MS1

QC Batch: 1000891

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Beryllium, Total	19.0	0.277	18.5	96	75 - 125	mg/kg dry wt.
Cadmium, Total	19.0	0.373	19.3	100	75 - 125	mg/kg dry wt.
Chromium, Total	19.0	12.4	29.0	88	75 - 125	mg/kg dry wt.
Cobalt, Total	19.0	3.47	21.3	94	75 - 125	mg/kg dry wt.
Copper, Total	19.0	59.6	74.3	77	75 - 125	mg/kg dry wt.
Selenium, Total	19.0	0.226	16.8	87	75 - 125	mg/kg dry wt.
Silver, Total	19.0	0.0879	18.8	99	75 - 125	mg/kg dry wt.
Thallium, Total	19.0	0.0978	18.8	98	75 - 125	mg/kg dry wt.
Vanadium, Total	19.0	14.4	33.7	102	75 - 125	mg/kg dry wt.

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-012710-183

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510

Client: SulTRAC

Project: Plainwell Mill

Matrix: Soil

Preparation: 3050B Digestion

Initial/Final: 0.5052 g / 250 mL

Laboratory ID: 1000891-MSD1

QC Batch: 1000891

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Beryllium, Total	19.8	19.5	97	5	20	75 - 125	mg/kg dry wt.
Cadmium, Total	19.8	19.9	99	3	20	75 - 125	mg/kg dry wt.
Chromium, Total	19.8	30.4	91	5	20	75 - 125	mg/kg dry wt.
Cobalt, Total	19.8	22.0	94	3	20	75 - 125	mg/kg dry wt.
Copper, Total	19.8	74.1	73 *	0.2	20	75 - 125	mg/kg dry wt.
Selenium, Total	19.8	18.0	90	7	20	75 - 125	mg/kg dry wt.
Silver, Total	19.8	19.4	98	4	20	75 - 125	mg/kg dry wt.
Thallium, Total	19.8	19.2	96	2	20	75 - 125	mg/kg dry wt.
Vanadium, Total	19.8	35.7	107	6	20	75 - 125	mg/kg dry wt.

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-012710-183

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5272 g / 250 mL

Laboratory ID: 1000891-MS2

QC Batch: 1000891

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Arsenic, Total	19.0	7.24	25.0	94	75 - 125	mg/kg dry wt.

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-012710-183

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5052 g / 250 mL

Laboratory ID: 1000891-MSD2

QC Batch: 1000891

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Arsenic, Total	19.8	29.1	110	15	20	75 - 125	mg/kg dry wt.

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

* Values outside of QC limits

: 00426

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6020A

S-SO-56394-CB-012710-183

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5143 g / 250 mL

Laboratory ID: 1000929-MS1

QC Batch: 1000929

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Antimony, Total	19.4	1.81	21.0	99	75 - 125	mg/kg dry wt.

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

* Values outside of QC limits

: 00427

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6020A

S-SO-56394-CB-012710-183

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5333 g / 250 mL

Laboratory ID: 1000929-MSD1

QC Batch: 1000929

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Antimony, Total	18.8	20.9	102	0.7	20	75 - 125	mg/kg dry wt.

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

* Values outside of QC limits

00428

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-CB-012610-166

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids: 92.05
Laboratory ID: 1000788-PS1
Lab Source ID: 1001350-16

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.020104 g / 10 mL
QC Batch: 1000788
Sequence: 0B02020

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Arsenic, Total	80 - 120	0.0291	0.0106	0.0200	93	mg/L
Beryllium, Total	80 - 120	0.0192	0.000605	0.0200	93	mg/L
Cadmium, Total	80 - 120	0.0190	0.000245	0.0200	94	mg/L
Chromium, Total	80 - 120	0.0330	0.0141	0.0200	95	mg/L
Cobalt, Total	80 - 120	0.0255	0.00713	0.0200	92	mg/L
Copper, Total	80 - 120	0.0357	0.0180	0.0200	89	mg/L
Lead, Total	80 - 120	0.0528	0.0364	0.0200	82	mg/L
Selenium, Total	80 - 120	0.0185	0.000158	0.0200	92	mg/L
Silver, Total	80 - 120	0.0192	0.0000760	0.0200	96	mg/L
Thallium, Total	80 - 120	0.0186	0.000132	0.0200	92	mg/L
Vanadium, Total	80 - 120	0.0387	0.0191	0.0200	98	mg/L
Zinc, Total	80 - 120	0.0828	0.0640	0.0200	94	mg/L

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-CB-012610-166

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids: 92.05
Laboratory ID: 1000842-PS1
Lab Source ID: 1001350-16

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.010066 g / 5 mL
QC Batch: 1000842
Sequence: 0B08022

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Antimony, Total	80 - 120	0.0201	0.000472	0.0200	98	mg/L

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-CB-012710-183

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids: 92.32
Laboratory ID: 1000891-PS1
Lab Source ID: 1001382-06

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.021272 g / 10 mL
QC Batch: 1000891
Sequence: 0B03065

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Beryllium, Total	80 - 120	0.0200	0.000590	0.0200	97	mg/L
Cadmium, Total	80 - 120	0.0210	0.000794	0.0200	101	mg/L
Chromium, Total	80 - 120	0.0440	0.0263	0.0200	89	mg/L
Cobalt, Total	80 - 120	0.0250	0.00737	0.0200	88	mg/L
Selenium, Total	80 - 120	0.0180	0.000481	0.0200	88	mg/L
Silver, Total	80 - 120	0.0201	0.000187	0.0200	100	mg/L
Thallium, Total	80 - 120	0.0198	0.000208	0.0200	98	mg/L
Vanadium, Total	80 - 120	0.0486	0.0307	0.0200	89	mg/L

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-CB-012710-183

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids: 92.32
Laboratory ID: 1000891-PS2
Lab Source ID: 1001382-06

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 4.2544E-04 g / 0.2 mL
QC Batch: 1000891
Sequence: 0B03065

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Zinc, Total	80 - 120	0.584	0.396	0.200	94	mg/L

* Values outside of QC limits

: 00432

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-CB-012710-183

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids: 92.32
Laboratory ID: 1000891-PS3
Lab Source ID: 1001382-06

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 8.5088E-04 g / 0.4 mL
QC Batch: 1000891
Sequence: 0B03065

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Lead, Total	80 - 120	0.311	0.208	0.100	103	mg/L

* Values outside of QC limits

00433

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-CB-012710-183

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Preparation: 3050B Digestion
% Solids: 92.32
Initial/Final: 0.0021272 g / 1 mL
Laboratory ID: 1000891-PS4
QC Batch: 1000891
Lab Source ID: 1001382-06
Sequence: 0B03065

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Copper, Total	80 - 120	0.167	0.127	0.0400	99	mg/L

* Values outside of QC limits

: 00434

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-CB-012710-183

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids: 92.32
Laboratory ID: 1000891-PS5
Lab Source ID: 1001382-06

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.021272 g / 10 mL
QC Batch: 1000891
Sequence: 0B08046

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Arsenic, Total	80 - 120	0.0340	0.0154	0.0200	93	mg/L

* Values outside of QC limits

: 00435

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-CB-012710-183

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids: 92.32
Laboratory ID: 1000929-PS1
Lab Source ID: 1001382-06

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.010064 g / 5 mL
QC Batch: 1000929
Sequence: 0B08022

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Antimony, Total	80 - 120	0.0235	0.00364	0.0200	99	mg/L

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY
USEPA-6020A

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

Laboratory ID: 1000788-BS1

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 250 mL
QC Batch: 1000788
Sequence: 0B02020

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Arsenic, Total	20.0	19.0	95	80 - 120	mg/kg dry wt.
Beryllium, Total	20.0	19.4	97	80 - 120	mg/kg dry wt.
Cadmium, Total	20.0	19.0	95	80 - 120	mg/kg dry wt.
Chromium, Total	20.0	20.0	100	80 - 120	mg/kg dry wt.
Cobalt, Total	20.0	19.9	99	80 - 120	mg/kg dry wt.
Copper, Total	20.0	20.1	100	80 - 120	mg/kg dry wt.
Lead, Total	20.0	19.4	97	80 - 120	mg/kg dry wt.
Selenium, Total	20.0	18.7	93	80 - 120	mg/kg dry wt.
Silver, Total	20.0	20.3	102	80 - 120	mg/kg dry wt.
Thallium, Total	20.0	19.5	98	80 - 120	mg/kg dry wt.
Vanadium, Total	20.0	20.5	103	80 - 120	mg/kg dry wt.
Zinc, Total	20.0	19.1	96	80 - 120	mg/kg dry wt.

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: 1000842-BS1

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 250 mL
QC Batch: 1000842
Sequence: 0B08022

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Antimony, Total	20.0	19.1	96	80 - 120	mg/kg dry wt.

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

* Values outside of QC limits

: 00438

LCS / LCS DUPLICATE RECOVERY
USEPA-6020A

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

Laboratory ID: 1000891-BS1

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 250 mL
QC Batch: 1000891
Sequence: 0B03065

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Beryllium, Total	20.0	19.4	97	80 - 120	mg/kg dry wt.
Cadmium, Total	20.0	18.6	93	80 - 120	mg/kg dry wt.
Chromium, Total	20.0	19.3	96	80 - 120	mg/kg dry wt.
Cobalt, Total	20.0	19.5	98	80 - 120	mg/kg dry wt.
Copper, Total	20.0	19.6	98	80 - 120	mg/kg dry wt.
Lead, Total	20.0	19.5	97	80 - 120	mg/kg dry wt.
Selenium, Total	20.0	18.6	93	80 - 120	mg/kg dry wt.
Silver, Total	20.0	19.6	98	80 - 120	mg/kg dry wt.
Thallium, Total	20.0	19.2	96	80 - 120	mg/kg dry wt.
Vanadium, Total	20.0	19.2	96	80 - 120	mg/kg dry wt.
Zinc, Total	20.0	18.5	92	80 - 120	mg/kg dry wt.

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: 1000891-BS2

SDG: PM012510
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 250 mL
QC Batch: 1000891
Sequence: 0B08046

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Arsenic, Total	20.0	19.8	99	80 - 120	mg/kg dry wt.

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: 1000929-BS1

SDG: PM012510

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5 g / 250 mL

QC Batch: 1000929

Sequence: 0B08022

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Antimony, Total	20.0	19.6	98	80 - 120	mg/kg dry wt.

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

* Values outside of QC limits

: 00441

SERIAL DILUTION
USEPA-6020A

S-SO-56394-CB-012610-166

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids: 92.05
Laboratory ID: 0B02020-SRD1
QC Batch: 0B02020
Lab Source ID: 1001350-16
Sequence: 0B02020

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Arsenic, Total	0.0106		0.0112		6.0		mg/L	10
Beryllium, Total	0.000605		0.000600	J	1.0 #		mg/L	10
Cadmium, Total	0.000245		0.000265	J	8.0 #		mg/L	10
Chromium, Total	0.0141		0.0148		5.0		mg/L	10
Cobalt, Total	0.00713		0.00740		4.0		mg/L	10
Copper, Total	0.0180		0.0189		5.0		mg/L	10
Lead, Total	0.0364		0.0362		1.0		mg/L	10
Selenium, Total	0.000158	U	-0.000450	U	385.0 #		mg/L	10
Silver, Total	0.0000760	J	0.000110	J	45.0 #		mg/L	10
Thallium, Total	0.000132		0.000135	U	2.0 #		mg/L	10
Vanadium, Total	0.0191		0.0199		4.0		mg/L	10
Zinc, Total	0.0640		0.0701		10.0 #		mg/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-012710-183

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids: 92.32
Laboratory ID: 0B03065-SRD1
QC Batch: 0B03065
Lab Source ID: 1001382-06
Sequence: 0B03065

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Beryllium, Total	0.000590		0.000610	J	3.0 #		mg/L	10
Cadmium, Total	0.000794		0.000780		2.0 #		mg/L	10
Chromium, Total	0.0263		0.0261		1.0		mg/L	10
Cobalt, Total	0.00737		0.00730		1.0		mg/L	10
Selenium, Total	0.000481		0.00108	J	125.0 #		mg/L	10
Silver, Total	0.000187		0.000180	J	4.0 #		mg/L	10
Thallium, Total	0.000208		0.000195	J	6.0 #		mg/L	10
Vanadium, Total	0.0307		0.0309		1.0		mg/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-012710-183

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids: 92.32
Laboratory ID: 0B03065-SRD2
QC Batch: 0B03065
Lab Source ID: 1001382-06
Sequence: 0B03065

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Zinc, Total	0.0396		0.0396		0.0 #		mg/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-012710-183

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510

Client: SulTRAC

Project: Plainwell Mill

Matrix: Soil

% Solids: 92.32

Laboratory ID: 0B03065-SRD3

QC Batch: 0B03065

Lab Source ID: 1001382-06

Sequence: 0B03065

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Lead, Total	0.0416		0.0419		1.0		mg/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.

00445

SERIAL DILUTION
USEPA-6020A

S-SO-56394-CB-012710-183

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids: 92.32
Laboratory ID: 0B03065-SRD4
QC Batch: 0B03065
Lab Source ID: 1001382-06
Sequence: 0B03065

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Copper, Total	0.0634		0.0651		3.0		mg/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.

: 00446

SERIAL DILUTION
USEPA-6020A

S-SO-56394-CB-012610-166

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids: 92.05
Laboratory ID: 0B08022-SRD1
QC Batch: 0B08022
Lab Source ID: 1001350-16
Sequence: 0B08022

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Antimony, Total	0.000472		0.000440	U	7.0 #		mg/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.

: 00447

SERIAL DILUTION
USEPA-6020A

S-SO-56394-CB-012710-183

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids: 92.32
Laboratory ID: 0B08022-SRD2
QC Batch: 0B08022
Lab Source ID: 1001382-06
Sequence: 0B08022

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Antimony, Total	0.00364		0.00357		2.0 #		mg/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-012710-183

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids: 92.32
Laboratory ID: 0B08046-SRD1
QC Batch: 0B08046
Lab Source ID: 1001382-06
Sequence: 0B08046

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Arsenic, Total	0.0154		0.0163		6.0		mg/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.

00449

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510

Client: SulTRAC

Project: Plainwell Mill

Total 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	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-129	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-129	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-129	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-129	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-129	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-129	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-129	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-129	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-129	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-129	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-129	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-129	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-129	01/25/10	01/26/10		02/01/10	7	NA	02/08/10	14	180	
S-SO-56394-CB-012510-133	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-133	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-133	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-133	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-133	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-133	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-133	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-133	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-133	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510

Client: SulTRAC

Project: Plainwell Mill

Total 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	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-133	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-133	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-133	01/25/10	01/26/10		02/01/10	7	NA	02/08/10	14	180	
S-SO-56394-CB-012510-137	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-137	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-137	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-137	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-137	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-137	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-137	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-137	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-137	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-137	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-137	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-137	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-137	01/25/10	01/26/10		02/01/10	7	NA	02/08/10	14	180	
S-SO-56394-CB-012510-144	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-144	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-144	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-144	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-144	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	

00451

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510

Client: SulTRAC Project: Plainwell Mill

Total 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	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-144	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-144	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-144	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-144	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-144	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-144	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-144	01/25/10	01/26/10		02/01/10	7	NA	02/08/10	14	180	
S-SO-56394-DR-012510-1069	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1069	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1069	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1069	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1069	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1069	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1069	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1069	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1069	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1069	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1069	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1069	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1069	01/25/10	01/26/10		02/01/10	7	NA	02/08/10	14	180	
S-SO-56394-DR-012510-1059	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	

: 00452

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510

Client: SulTRAC Project: Plainwell Mill

Total 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	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1059	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1059	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1059	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1059	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1059	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1059	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1059	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1059	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1059	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1059	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1059	01/25/10	01/26/10		02/01/10	7	NA	02/08/10	14	180	
S-SO-56394-CB-012510-143	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-143	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-143	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-143	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-143	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-143	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-143	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-143	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-143	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-143	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	

00453

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510

Client: SulTRAC

Project: Plainwell Mill

Total 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	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-143	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-CB-012510-143	01/25/10	01/26/10		02/01/10	7	NA	02/08/10	14	180	
S-SO-56394-DR-012510-1063	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1063	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1063	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1063	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1063	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1063	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1063	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1063	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1063	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1063	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1063	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1063	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1063	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	180	
S-SO-56394-DR-012510-1063	01/25/10	01/26/10		02/01/10	7	NA	02/08/10	14	180	
S-SO-56394-CB-012610-153	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-153	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-153	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-153	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-153	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-153	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510

Client: SulTRAC Project: Plainwell Mill

Total 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	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-153	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-153	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-153	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-153	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-153	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-153	01/26/10	01/26/10		02/01/10	6	NA	02/08/10	13	180	
S-SO-56394-CB-012610-158	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-158	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-158	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-158	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-158	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-158	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-158	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-158	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-158	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-158	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-158	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-158	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-158	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-160	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-160	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	

: 00455

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510

Client: SulTRAC Project: Plainwell Mill

Total 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	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-160	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-160	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-160	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-160	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-160	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-160	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-160	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-160	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-160	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-160	01/26/10	01/26/10		02/01/10	6	NA	02/08/10	13	180	
S-SO-56394-CB-012610-165	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-165	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-165	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-165	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-165	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-165	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-165	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-165	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-165	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-165	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	

00456

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510

Client: SulTRAC Project: Plainwell Mill

Total 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	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-165	01/26/10	01/26/10		02/01/10	6	NA	02/08/10	13	180	
S-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/01/10	6	NA	02/08/10	13	180	
SD-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
SD-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
SD-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
SD-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
SD-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
SD-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	

: 00457

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510

Client: SulTRAC Project: Plainwell Mill

Total 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-012610-1078	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
SD-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
SD-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
SD-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
SD-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
SD-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/01/10	6	NA	02/08/10	13	180	
S-SO-56394-DR-012610-1075	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-DR-012610-1075	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-DR-012610-1075	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-DR-012610-1075	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-DR-012610-1075	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-DR-012610-1075	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-DR-012610-1075	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-DR-012610-1075	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-DR-012610-1075	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-DR-012610-1075	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-DR-012610-1075	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-DR-012610-1075	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-DR-012610-1075	01/26/10	01/26/10		02/01/10	6	NA	02/08/10	13	180	
S-SO-56394-CB-012610-166	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-166	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-166	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510

Client: SulTRAC Project: Plainwell Mill

Total 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-012610-166	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-166	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-166	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-166	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-166	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-166	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-166	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-166	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	180	
S-SO-56394-CB-012610-166	01/26/10	01/26/10		02/01/10	6	NA	02/08/10	13	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/08/10	12	180	

00459

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510

Client: SulTRAC Project: Plainwell Mill

Total 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		02/03/10	7	NA	02/08/10	12	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10		02/02/10	6	NA	02/08/10	12	180	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10		02/03/10	7	NA	02/08/10	12	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	

00460

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510

Client: SulTRAC Project: Plainwell Mill

Total 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		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10		02/02/10	6	NA	02/08/10	12	180	
S-SO-56394-CB-012710-177	01/27/10	01/28/10		02/03/10	7	NA	02/08/10	12	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10		02/02/10	6	NA	02/08/10	12	180	
S-SO-56394-CB-012710-180	01/27/10	01/28/10		02/03/10	7	NA	02/08/10	12	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	

: 00461

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510

Client: SulTRAC

Project: Plainwell Mill

Total 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-012710-182	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10		02/02/10	6	NA	02/08/10	12	180	
S-SO-56394-CB-012710-182	01/27/10	01/28/10		02/03/10	7	NA	02/08/10	12	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10		02/02/10	6	NA	02/03/10	7	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10		02/02/10	6	NA	02/08/10	12	180	
S-SO-56394-CB-012710-183	01/27/10	01/28/10		02/03/10	7	NA	02/08/10	12	180	

: 00462

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510

Client: SulTRAC

Project: Plainwell Mill

Total 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-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/08/10	11	180	
S-SO-56394-CB-012810-189	01/28/10	01/28/10		02/03/10	6	NA	02/08/10	11	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	

00463

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510

Client: SulTRAC Project: Plainwell Mill

Total 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		02/02/10	5	NA	02/03/10	6	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10		02/02/10	5	NA	02/08/10	11	180	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10		02/03/10	6	NA	02/08/10	11	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10		02/02/10	5	NA	02/03/10	6	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10		02/02/10	5	NA	02/08/10	11	180	
S-SO-56394-CB-012810-190	01/28/10	01/28/10		02/03/10	6	NA	02/08/10	11	180	

: 00464

Metals, Soil, 3050B Digestion

Batch comments:
MAS 02/01/10 7:00AM-4:00PM
INST#218@93.9C#222
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1000788-BLK1		Feb-01-10 07:00	MAS	0.5	250				
1000788-BS1		Feb-01-10 07:00	MAS	0.5	250		9120029	100	
1000788-MS1		Feb-01-10 07:00	MAS	0.5076	250	1001350-16	9120029	100	
1000788-MSD1		Feb-01-10 07:00	MAS	0.5014	250	1001350-16	9120029	100	
1000788-PS1		Feb-02-10 12:30	MSM	).02010	10	1001350-16	9120102	50	[Spk] 0.5026g->250mL; 10mL->10mL; Sp
1001350-01	A	Feb-01-10 07:00	MAS	0.5056	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*	*Se Total 6020*	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*				
1001350-02	A	Feb-01-10 07:00	MAS	0.5066	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*	*Se Total 6020*	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*				
1001350-03	A	Feb-01-10 07:00	MAS	0.5035	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*	*Se Total 6020*	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*				
1001350-04	A	Feb-01-10 07:00	MAS	0.5086	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*	*Se Total 6020*	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*				
1001350-05	A	Feb-01-10 07:00	MAS	0.5077	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*	*Se Total 6020*	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*				
1001350-06	A	Feb-01-10 07:00	MAS	0.5059	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*	*Se Total 6020*	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*				

Comments:	Analyst Initials:

Metals, Soil, 3050B Digestion

93169

Batch comments:

MAS 02/01/10 7:00AM-4:00PM
INST#218@93.9C#222
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Client Comments		
1001350-07	A	Feb-01-10 07:00	MAS	0.5084	250	SulTRAC					
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*	*Se Total 6020*	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*
1001350-08	A	Feb-01-10 07:00	MAS	0.5034	250	SulTRAC					
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*	*Se Total 6020*	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*
1001350-09	A	Feb-01-10 07:00	MAS	0.5037	250	SulTRAC					
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*	*Se Total 6020*	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*
1001350-10	A	Feb-01-10 07:00	MAS	0.5362	250	SulTRAC					
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*	*Se Total 6020*	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*
1001350-11	A	Feb-01-10 07:00	MAS	0.5031	250	SulTRAC					
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*	*Se Total 6020*	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*
1001350-12	A	Feb-01-10 07:00	MAS	0.5307	250	SulTRAC					
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*	*Se Total 6020*	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*
1001350-13	A	Feb-01-10 07:00	MAS	0.5051	250	SulTRAC					
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*	*Se Total 6020*	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*
1001350-14	A	Feb-01-10 07:00	MAS	0.5315	250	SulTRAC					
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*	*Se Total 6020*	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*

Comments:

Analyst Initials:

Metals, Soil, 3050B Digestion

99467

Batch comments:

MAS 02/01/10 7:00AM-4:00PM
INST#218@93.9C#222
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Client Comments
1001350-15	A	Feb-01-10 07:00	MAS	0.5062	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*		
Se Total 6020	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*						
1001350-16	A	Feb-01-10 07:00	MAS	0.5026	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*		
Se Total 6020	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*						

Comments:	Analyst Initials:

Metals, Soil, 3050B Digestion

8519

Batch comments:

MAS 02/02/10 7:00AM-4:00PM
INST#218@93.2C#222
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client: Source ID	Spike ID	uL Spike	Comments
1000891-BLK1		Feb-02-10 07:00	MAS	0.5	250				
1000891-BLK2		Feb-02-10 07:00	MAS	0.5	250				
1000891-BS1		Feb-02-10 07:00	MAS	0.5	250		9120029	100	
1000891-BS2		Feb-02-10 07:00	MAS	0.5	250		9120029	100	
1000891-MS1		Feb-02-10 07:00	MAS	0.5272	250	1001382-06	9120029	100	
1000891-MS2		Feb-02-10 07:00	MAS	0.5272	250	1001382-06	9120029	100	
1000891-MSD1		Feb-02-10 07:00	MAS	0.5052	250	1001382-06	9120029	100	
1000891-MSD2		Feb-02-10 07:00	MAS	0.5052	250	1001382-06	9120029	100	
1000891-PS1		Feb-03-10 18:20	DWJ	).02127	10	1001382-06	9120102	50	[Spk] 0.5318g->250mL; 10mL->10mL; Sp
1000891-PS2		Feb-03-10 18:20	DWJ	000425	0.2	1001382-06	9120102	10	[Spk] 0.5318g->250mL; 0.2mL->0.2mL; S
1000891-PS3		Feb-03-10 18:20	DWJ	000850	0.4	1001382-06	9120102	10	[Spk] 0.5318g->250mL; 0.4mL->0.4mL; S
1000891-PS4		Feb-03-10 18:20	DWJ	.002127	1	1001382-06	9120102	10	[Spk] 0.5318g->250mL; 1mL->1mL; Spike
1000891-PS5		Feb-08-10 18:00	DWJ	).02127	10	1001382-06	9120102	50	[Spk] 0.5318g->250mL; 10mL->10mL; Sp
1001382-01	A	Feb-02-10 07:00	MAS	0.5219	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*		
Se Total 6020	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*						
1001382-02	A	Feb-02-10 07:00	MAS	0.5044	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*		
Se Total 6020	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*						
1001382-03	A	Feb-02-10 07:00	MAS	0.5163	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*		
Se Total 6020	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*						

Comments:

Analyst Initials:

Metals, Soil, 3050B Digestion

Batch comments:
MAS 02/02/10 7:00AM-4:00PM
INST#218@93.2C#222
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	*Container*	*Prepared*	*By*	*Initial (g)*	*Final (mL)*	*Client* Source ID	*Client* Spike ID	*Client* uL Spike	*Comments*
1001382-04	A	Feb-02-10 07:00	MAS	0.5222	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*		
Se Total 6020	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*						
1001382-05	A	Feb-02-10 07:00	MAS	0.5126	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*		
Se Total 6020	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*						
1001382-06	A	Feb-02-10 07:00	MAS	0.5318	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*		
Se Total 6020	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*						
1001382-07	A	Feb-02-10 07:00	MAS	0.5098	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*		
Se Total 6020	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*						
1001382-08	A	Feb-02-10 07:00	MAS	0.5149	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*		
Se Total 6020	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*						
1001382-09	A	Feb-02-10 07:00	MAS	0.506	250	SulTRAC			
Ag Total 6020	*As Total 6020*	*Be Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*		
Se Total 6020	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*						

Comments:	Analyst Initials:

Metals, Soil, 3050B Digestion

Batch comments:
RDB 2-1-10 8:30AM-10:30AM
INST#218 @93.5C #222
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1000842-BLK1		Feb-01-10 08:30	RDB	0.5	250				
1000842-BS1		Feb-01-10 08:30	RDB	0.5	250		9120029	100	
1000842-MS1		Feb-01-10 08:30	RDB	0.5016	250	1001350-16	9120029	100	
1000842-MSD1		Feb-01-10 08:30	RDB	0.5023	250	1001350-16	9120029	100	
1000842-PS1		Feb-08-10 10:30	MSM	).01006(	5	1001350-16	9120103	25	[Spk] 0.5033g->250mL; 5mL->5mL; Spike
1001350-01	A	Feb-01-10 08:30	RDB	0.5083	250	SulTRAC			
Sb Total 6020									
1001350-02	A	Feb-01-10 08:30	RDB	0.5039	250	SulTRAC			
Sb Total 6020									
1001350-03	A	Feb-01-10 08:30	RDB	0.5072	250	SulTRAC			
Sb Total 6020									
1001350-04	A	Feb-01-10 08:30	RDB	0.5344	250	SulTRAC			
Sb Total 6020									
1001350-05	A	Feb-01-10 08:30	RDB	0.5078	250	SulTRAC			
Sb Total 6020									
1001350-06	A	Feb-01-10 08:30	RDB	0.5066	250	SulTRAC			
Sb Total 6020									
1001350-07	A	Feb-01-10 08:30	RDB	0.5064	250	SulTRAC			
Sb Total 6020									
1001350-08	A	Feb-01-10 08:30	RDB	0.5217	250	SulTRAC			
Sb Total 6020									
1001350-09	A	Feb-01-10 08:30	RDB	0.5059	250	SulTRAC			
Sb Total 6020									

Comments:

Analyst Initials:

Metals, Soil, 3050B Digestion

Batch comments:

RDB 2-1-10 8:30AM-10:30AM
INST#218 @93.5C #222
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client: Source ID	Client: Spike ID	Client: uL Spike	Comments
1001350-10	A	Feb-01-10 08:30	RDB	0.5058	250	SulTRAC			
Sb Total 6020									
1001350-11	A	Feb-01-10 08:30	RDB	0.5035	250	SulTRAC			
Sb Total 6020									
1001350-12	A	Feb-01-10 08:30	RDB	0.5108	250	SulTRAC			
Sb Total 6020									
1001350-13	A	Feb-01-10 08:30	RDB	0.5038	250	SulTRAC			
Sb Total 6020									
1001350-14	A	Feb-01-10 08:30	RDB	0.505	250	SulTRAC			
Sb Total 6020									
1001350-15	A	Feb-01-10 08:30	RDB	0.5413	250	SulTRAC			
Sb Total 6020									
1001350-16	A	Feb-01-10 08:30	RDB	0.5033	250	SulTRAC			
Sb Total 6020									

Comments:	Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH **1000929** Page 1 of 1

Printed: 2/11/2010 1:52:43PM

Metals, Soil, 3050B Digestion

Batch comments:
RDB 2-3-10 9:00AM-11:00AM
INST#218 @94.1C #222
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client: Source ID	Client: Spike ID	Client: uL Spike	Comments
1000929-BLK1		Feb-03-10 09:00	RDB	0.5	250				
1000929-BS1		Feb-03-10 09:00	RDB	0.5	250		9120029	100	
1000929-MS1		Feb-03-10 09:00	RDB	0.5143	250	1001382-06	9120029	100	
1000929-MSD1		Feb-03-10 09:00	RDB	0.5333	250	1001382-06	9120029	100	
1000929-PS1		Feb-08-10 10:30	MSM	).01006	5	1001382-06	9120103	25	[Spk] 0.5032g->250mL; 5mL->5mL; Spike
1001382-01 *Sb Total 6020*	A	Feb-03-10 09:00	RDB	0.5151	250	SulTRAC			
1001382-02 *Sb Total 6020*	A	Feb-03-10 09:00	RDB	0.5197	250	SulTRAC			
1001382-03 *Sb Total 6020*	A	Feb-03-10 09:00	RDB	0.5124	250	SulTRAC			
1001382-04 *Sb Total 6020*	A	Feb-03-10 09:00	RDB	0.5092	250	SulTRAC			
1001382-05 *Sb Total 6020*	A	Feb-03-10 09:00	RDB	0.5366	250	SulTRAC			
1001382-06 *Sb Total 6020*	A	Feb-03-10 09:00	RDB	0.5032	250	SulTRAC			
1001382-07 *Sb Total 6020*	A	Feb-03-10 09:00	RDB	0.5158	250	SulTRAC			
1001382-08 *Sb Total 6020*	A	Feb-03-10 09:00	RDB	0.5068	250	SulTRAC			
1001382-09 *Sb Total 6020*	A	Feb-03-10 09:00	RDB	0.5241	250	SulTRAC			

Comments:

Analyst Initials:

bch_TM_byAnalysis.rpt

2/3

due 2/09

TriMatrix Laboratories, Inc.

cal ID: 0B02004

Metals Laboratory Instrument Run Sequence

Instrument #: 201 | Data File: 0B02020

Date: 2/02/10 | Calibration BLK/ICB/CCB: 1% HNO3 LOT#1109060

Analyst: mbm | Internal Standard #: 9110476

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	1000788 - blk1				35/51				
2/18	-bs1				36/52				
3/19	1001350 -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	-13				49/65				
16/32	-14				50/66				
17/33	-15				51/67				
18/34	-16				52/68				
19/35	-mb1				53/69				
20/36	-mb01				54/70				
21/37	-sb01	0.4	10	25	55/71				
22/38	-ps1				56/72				
23/39	1001350-01	0.5	10	20	Pb,Zn 57/73				
24/40	-02	0.5		20	Cu,Pb,Zn 58/74				
25/41	-03	0.05		200	Cu 59/75				
26/42	-03	0.1		100	Zn 60/76				
27/43	-03	~~0.5~~		~~20~~ 50	Pb mbm 2/10 61/77				
28/44	1001350 -03	1	10	10	Cr 62/78				
29/45	-10	0.04	10	250	Pb 63/79				
30/46	-10	0.1	10	100	Cu,Zn 64/80				
31/47	-11	1	10	10	Zn 65/81				
32/48	-13	1	10	10	Cu 66/82				
33/49	-15	1	10	10	Zn 67/83				
34/50					68/84				

Instrument Tuning Report

File Name: 02FEB2010_6020A_A.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	1554	2020	0.885	
Co	58.933	58.979	14193	2050	0.853	
In	114.904	114.929	27805	2095	0.859	
Ba	137.905	137.829	33394	2110	0.874	
Ce	139.905	139.929	33893	2115	0.854	
Tl	204.975	204.976	49721	2180	0.826	

: 00474

Daily Performance Report

Sample ID: 0010896
Sample Date/Time: Tuesday, February 02, 2010 12:18:12
Sample Description:
Method File: c:\elandata\Method\6020A_Daily.mth
Dataset File: c:\elandata\Dataset\default\0010896.4317
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_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	8883.2	8883.236	265.819	3.0
	Co	58.9	182647.9	182647.919	1862.390	1.0
	In	114.9	434478.2	434478.175	9069.788	2.1
	Tl	205.0	261392.0	261392.014	4807.913	1.8
⌈>	Ba	137.9	354463.8	354463.769	5425.669	1.5
⌊	Ba++	69.0	8048.2	0.023	0.000	1.9
⌈>	Ce	139.9	436977.1	436977.086	2782.708	0.6
⌊	CeO	155.9	11373.8	0.026	0.001	2.6
	Bkgd	220.0	15.3	15.333	4.967	32.4

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	9356.249	9356.249
Co	59	180863.629	180863.629
In	115	430625.839	430625.839
Tl	205	256821.377	256821.377
Ba	138	349315.109	349315.109
Ba++	69	8029.867	0.023
Ce	140	435573.535	435573.535
CeO	156	11377.762	0.026
Bkgd	220	10.000	10.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	8610.446	8610.446
Co	59	181050.624	181050.624
In	115	423901.528	423901.528
Tl	205	256705.900	256705.900
Ba	138	346891.675	346891.675
Ba++	69	7938.780	0.023
Ce	140	436287.466	436287.466
CeO	156	10942.179	0.025
Bkgd	220	18.000	18.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	8995.853	8995.853
Co	59	182356.642	182356.642
In	115	433828.157	433828.157
Tl	205	261333.450	261333.450
Ba	138	355984.790	355984.790
Ba++	69	7964.804	0.022
Ce	140	438068.342	438068.342
CeO	156	11238.573	0.026
Bkgd	220	16.000	16.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	8700.540	8700.540
Co	59	182157.354	182157.354
In	115	446347.570	446347.570

Tl	205	269603.747	269603.747
Ba	138	355629.490	355629.490
Ba++	69	8309.140	0.023
Ce	140	441944.160	441944.160
CeO	156	11956.571	0.027
Bkgd	220	15.000	15.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	8835.682	8835.682
Co	59	185873.065	185873.065
In	115	427772.038	427772.038
Tl	205	263474.303	263474.303
Ba	138	357320.797	357320.797
Ba++	69	7961.802	0.022
Ce	140	433865.818	433865.818
CeO	156	11426.829	0.026
Bkgd	220	23.000	23.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	8800.645	8800.645
Co	59	183586.201	183586.201
In	115	444393.918	444393.918
Tl	205	260413.308	260413.308
Ba	138	361640.752	361640.752
Ba++	69	8084.920	0.022
Ce	140	436123.194	436123.194
CeO	156	11300.657	0.026
Bkgd	220	10.000	10.000

Sample/Batch Report

User Name: analystME
Computer Name: ELAN6100_08
Sample File: C:\Elandata\Sample\0B02020.sam
Report Date/Time: Tuesday, February 02, 2010 12:28:27

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
17		1000788-BLK1		Sample					
18		1000788-BS1		Sample					
19		1001350-01		Sample					
20		1001350-02		Sample					
21		1001350-03		Sample					
22		1001350-04		Sample					
23		1001350-05		Sample					
24		1001350-06		Sample					
25		1001350-07		Sample					
26		1001350-08		Sample					
27		1001350-09		Sample					
28		1001350-10		Sample					
29		1001350-11		Sample					
30		1001350-12		Sample					
31		1001350-13		Sample					
32		1001350-14		Sample					
33		1001350-15		Sample					
34		1001350-16		Sample					
35		1000788-MS1		Sample					
36		1000788-MSD1		Sample					
37		0B02020-SRD1		Sample					
38		1000788-PS1		Sample					

: 00477

Sample Information

Sample ID: Blank
Autosampler Position: 1
Sample Date/Time: Tuesday, February 02, 2010 12:29:51
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\Blank.001
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	368018.064					mg/L
	Be	9	4.667					mg/L
	V	51	7102.489					mg/L
	Cr	52	19571.152					mg/L
	Cr	53	5074.262					mg/L
	Co	59	97.002					mg/L
	Cu	63	368.679					mg/L
	Cu	65	208.338					mg/L
	Zn	66	481.019					mg/L
	Zn	68	2005.595					mg/L
>	Ge	72	432642.361					mg/L
	As	75	1601.322					mg/L
	Se	77	263.340					mg/L
	Se	82	97.140					mg/L
>	Rh	103	297752.746					mg/L
	Ag	107	20.334					mg/L
	Cd	111	15.782					mg/L
	Cd	114	15.470					mg/L
	Tl	203	38.000					mg/L
	Tl	205	91.001					mg/L
	Pb	208	355.006					mg/L
>	Bi	209	327570.270					mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	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	

20478

Cd	110.904
Cd	113.904
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	367680.878			mg/L
Be	9	8.000			mg/L
V	51	6952.177			mg/L
Cr	52	18580.124			mg/L
Cr	53	5088.611			mg/L
Co	59	87.001			mg/L
Cu	63	369.012			mg/L
Cu	65	197.004			mg/L
Zn	66	458.017			mg/L
Zn	68	1987.299			mg/L
Ge	72	432304.870			mg/L
As	75	1663.119			mg/L
Se	77	248.008			mg/L
Se	82	124.582			mg/L
Rh	103	283863.102			mg/L
Ag	107	21.000			mg/L
Cd	111	15.873			mg/L
Cd	114	17.870			mg/L
Tl	203	30.000			mg/L
Tl	205	100.002			mg/L
Pb	208	353.008			mg/L
Bi	209	321652.232			mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	362252.671			mg/L
Be	9	4.000			mg/L
V	51	7383.837			mg/L
Cr	52	19387.744			mg/L
Cr	53	5052.562			mg/L
Co	59	99.002			mg/L
Cu	63	379.012			mg/L
Cu	65	238.008			mg/L
Zn	66	515.021			mg/L
Zn	68	2017.284			mg/L
Ge	72	427117.424			mg/L
As	75	1536.178			mg/L
Se	77	275.007			mg/L
Se	82	113.723			mg/L
Rh	103	300370.462			mg/L
Ag	107	23.000			mg/L
Cd	111	12.052			mg/L
Cd	114	7.879			mg/L
Tl	203	43.001			mg/L
Tl	205	89.001			mg/L
Pb	208	353.008			mg/L
Bi	209	329682.155			mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	354140.648			mg/L
Be	9	2.000			mg/L
V	51	6971.884			mg/L
Cr	52	19755.587			mg/L
Cr	53	5070.583			mg/L
Co	59	105.002			mg/L
Cu	63	382.011			mg/L
Cu	65	192.004			mg/L
Zn	66	470.018			mg/L
Zn	68	2002.291			mg/L
Ge	72	438504.880			mg/L
As	75	1604.668			mg/L
Se	77	267.007			mg/L
Se	82	53.108			mg/L
Rh	103	288034.674			mg/L
Ag	107	17.000			mg/L
Cd	111	19.820			mg/L
Cd	114	20.861			mg/L
Tl	203	41.001			mg/L
Tl	205	104.002			mg/L
Pb	208	358.007			mg/L
Bi	209	331378.424			mg/L

: 00479

Sample Information

Sample ID: Standard 1
Autosampler Position: 9
Sample Date/Time: Tuesday, February 02, 2010 12:33:12
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\Standard 1.002
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	362736.091	362736.091				mg/L
	Be	9	17.334	0.000				mg/L
	V	51	8302.196	0.003				mg/L
	Cr	52	21042.078	0.003				mg/L
	Cr	53	5301.073	0.000				mg/L
	Co	59	868.054	0.002				mg/L
	Cu	63	872.721	0.001				mg/L
	Cu	65	447.350	0.001				mg/L
	Zn	66	1179.762	0.002				mg/L
	Zn	68	2513.071	0.001				mg/L
>	Ge	72	433477.891	433477.891				mg/L
	As	75	1707.105	0.000				mg/L
	Se	77	285.341	0.000				mg/L
	Se	82	137.700	0.000				mg/L
>	Rh	103	300877.251	300877.251				mg/L
	Ag	107	618.696	0.002	0.000040	0.000	0.939	mg/L
	Cd	111	160.135	0.000	0.000040	0.000	12.168	mg/L
	Cd	114	259.304	0.001	0.000040	0.000	7.513	mg/L
	Tl	203	499.020	0.001	0.000040	0.000	7.002	mg/L
	Tl	205	1190.430	0.003	0.000040	0.000	0.448	mg/L
	Pb	208	2149.136	0.005				mg/L
>	Bi	209	336663.346	336663.346				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	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	

: 90480

	Cd	110.904
	Cd	113.904
	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	376304.383	376304.383		mg/L
Be	9	10.000	0.000		mg/L
V	51	8363.429	0.003		mg/L
Cr	52	20874.320	0.002		mg/L
Cr	53	5444.833	0.001		mg/L
Co	59	889.054	0.002		mg/L
Cu	63	841.051	0.001		mg/L
Cu	65	421.015	0.000		mg/L
Zn	66	1218.101	0.002		mg/L
Zn	68	2458.387	0.001		mg/L
Ge	72	438147.241	438147.241		mg/L
As	75	1560.204	-0.000		mg/L
Se	77	261.008	0.000		mg/L
Se	82	82.451	-0.000		mg/L
Rh	103	297033.876	297033.876		mg/L
Ag	107	808.029	0.002	0.000040	mg/L
Cd	111	158.634	0.000	0.000040	mg/L
Cd	114	278.488	0.001	0.000043	mg/L
Tl	203	475.016	0.001	0.000038	mg/L
Tl	205	1186.087	0.003	0.000048	mg/L
Pb	208	2303.160	0.008		mg/L
Bi	209	334488.418	334488.418		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	358322.051	358322.051		mg/L
Be	9	22.000	0.000		mg/L
V	51	8277.988	0.003		mg/L
Cr	52	21293.382	0.004		mg/L
Cr	53	5267.717	0.001		mg/L
Co	59	876.056	0.002		mg/L
Cu	63	862.057	0.001		mg/L
Cu	65	455.017	0.001		mg/L
Zn	66	1179.085	0.002		mg/L
Zn	68	2561.419	0.001		mg/L
Ge	72	429497.201	429497.201		mg/L
As	75	1733.368	0.000		mg/L
Se	77	264.007	0.000		mg/L
Se	82	168.833	0.000		mg/L
Rh	103	300328.834	300328.834		mg/L
Ag	107	624.030	0.002	0.000040	mg/L
Cd	111	178.177	0.001	0.000046	mg/L
Cd	114	244.727	0.001	0.000038	mg/L
Tl	203	533.022	0.001	0.000043	mg/L
Tl	205	1162.086	0.003	0.000040	mg/L
Pb	208	2073.123	0.008		mg/L
Bi	209	334888.081	334888.081		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	353581.836	353581.836		mg/L
Be	9	20.000	0.000		mg/L
V	51	8265.162	0.003		mg/L
Cr	52	20858.532	0.003		mg/L
Cr	53	5190.888	0.000		mg/L
Co	59	880.053	0.002		mg/L
Cu	63	849.056	0.001		mg/L
Cu	65	469.016	0.001		mg/L
Zn	66	1141.080	0.002		mg/L
Zn	68	2518.408	0.001		mg/L
Ge	72	431789.231	431789.231		mg/L
As	75	1637.741	0.001		mg/L
Se	77	311.009	0.000		mg/L
Se	82	181.718	0.000		mg/L
Rh	103	305270.843	305270.843		mg/L
Ag	107	624.030	0.002	0.000040	mg/L
Cd	111	145.583	0.000	0.000036	mg/L
Cd	114	258.685	0.001	0.000039	mg/L
Tl	203	488.019	0.001	0.000038	mg/L
Tl	205	1201.089	0.003	0.000040	mg/L
Pb	208	2071.125	0.008		mg/L
Bi	209	340854.543	340854.543		mg/L

Sample Information

Sample ID: Standard 2
Autosampler Position: 3
Sample Date/Time: Tuesday, February 02, 2010 12:36:34
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\Standard 2.003
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	360069.087	360069.087				mg/L
[	Be	9	91.335	0.000	0.000200	0.000	13.439	mg/L
[	V	51	11094.037	0.009	0.000200	0.000	1.971	mg/L
|	Cr	52	23870.047	0.010	0.000200	0.000	7.716	mg/L
|	Cr	53	5591.598	0.001	0.000200	0.000	20.914	mg/L
[	Co	59	3954.978	0.009	0.000200	0.000	2.442	mg/L
|	Cu	63	2275.333	0.004	0.000200	0.000	1.652	mg/L
|	Cu	65	1084.081	0.002	0.000200	0.000	3.157	mg/L
|	Zn	66	1085.748	0.001	0.000200	0.000	1.970	mg/L
|	Zn	68	2501.400	0.001	0.000200	0.000	5.267	mg/L
\>	Ge	72	432053.868	432053.868				mg/L
|	As	75	2312.845	0.002	0.000200	0.000	2.149	mg/L
|	Se	77	318.009	0.000	0.000200	0.000	39.022	mg/L
[	Se	82	148.480	0.000	0.000200	0.000	27.260	mg/L
[>	Rh	103	298929.606	298929.606				mg/L
|	Ag	107	3253.001	0.011	0.000201	0.000	1.469	mg/L
|	Cd	111	813.343	0.003	0.000201	0.000	5.499	mg/L
[	Cd	114	1861.008	0.006	0.000203	0.000	5.747	mg/L
[	Tl	203	2341.019	0.007	0.000200	0.000	3.023	mg/L
|	Tl	205	5695.336	0.017	0.000200	0.000	0.964	mg/L
|	Pb	208	8078.610	0.023	0.000200	0.000	1.116	mg/L
[>	Bi	209	337272.566	337272.566				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	
[	Be	9.012	
[	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	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
	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	379931.088	379931.088		mg/L
Be	9	96.001	0.000	0.000189	mg/L
V	51	11150.168	0.009	0.000196	mg/L
Cr	52	24028.833	0.010	0.000194	mg/L
Cr	53	5531.891	0.001	0.000152	mg/L
Co	59	4013.008	0.009	0.000201	mg/L
Cu	63	2302.941	0.004	0.000200	mg/L
Cu	65	1085.078	0.002	0.000193	mg/L
Zn	66	1065.081	0.001	0.000186	mg/L
Zn	68	2532.419	0.001	0.000200	mg/L
Ge	72	437286.028	437286.028		mg/L
As	75	7323.125	0.002	0.000185	mg/L
Se	77	343.010	0.000	0.000277	mg/L
Se	82	153.330	0.000	0.000212	mg/L
Rh	103	302880.945	302880.945		mg/L
Ag	107	3246.868	0.011	0.000186	mg/L
Cd	111	792.320	0.003	0.000193	mg/L
Cd	114	1783.889	0.006	0.000189	mg/L
Tl	203	2382.387	0.007	0.000203	mg/L
Tl	205	5682.884	0.016	0.000186	mg/L
Pb	208	9086.841	0.023	0.000189	mg/L
Bi	209	338448.779	338448.779		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	352331.712	352331.712		mg/L
Be	9	101.002	0.000	0.000227	mg/L
V	51	11085.884	0.009	0.000204	mg/L
Cr	52	24079.881	0.011	0.000216	mg/L
Cr	53	5610.844	0.001	0.000222	mg/L
Co	59	3628.916	0.009	0.000186	mg/L
Cu	63	2228.320	0.004	0.000197	mg/L
Cu	65	1083.083	0.002	0.000204	mg/L
Zn	66	1084.081	0.001	0.000202	mg/L
Zn	68	2457.387	0.001	0.000189	mg/L
Ge	72	429020.881	429020.881		mg/L
As	75	2303.881	0.002	0.000202	mg/L
Se	77	294.008	0.000	0.000121	mg/L
Se	82	158.813	0.000	0.000248	mg/L
Rh	103	294902.213	294902.213		mg/L
Ag	107	3254.888	0.011	0.000203	mg/L
Cd	111	852.139	0.003	0.000213	mg/L
Cd	114	1911.847	0.006	0.000211	mg/L
Tl	203	2378.383	0.007	0.000204	mg/L
Tl	205	5740.034	0.017	0.000202	mg/L
Pb	208	7884.564	0.023	0.000198	mg/L
Bi	209	336487.280	336487.280		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	351744.463	351744.463		mg/L
Be	9	78.001	0.000	0.000174	mg/L
V	51	11035.953	0.009	0.000200	mg/L
Cr	52	23501.327	0.009	0.000188	mg/L
Cr	53	5631.889	0.001	0.000228	mg/L
Co	59	4023.011	0.009	0.000206	mg/L
Cu	63	2295.339	0.004	0.000203	mg/L
Cu	65	1084.083	0.002	0.000204	mg/L
Zn	66	1086.082	0.001	0.000203	mg/L
Zn	68	2514.404	0.001	0.000210	mg/L
Ge	72	429858.014	429858.014		mg/L
As	75	2311.509	0.002	0.000203	mg/L
Se	77	317.009	0.000	0.000203	mg/L
Se	82	132.489	0.000	0.000141	mg/L
Rh	103	298005.880	298005.880		mg/L
Ag	107	3257.889	0.011	0.000201	mg/L
Cd	111	795.571	0.003	0.000198	mg/L
Cd	114	1807.508	0.006	0.000208	mg/L
Tl	203	2251.321	0.007	0.000193	mg/L
Tl	205	5662.860	0.017	0.000200	mg/L
Pb	208	8142.626	0.023	0.000203	mg/L
Bi	208	335883.838	335883.838		mg/L

Sample Information

Sample ID: Standard 3
Autosampler Position: 4
Sample Date/Time: Tuesday, February 02, 2010 12:39:59
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\Standard 3.004
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	357269.738	357269.738				mg/L
	Be	9	394.347	0.001	0.000996	0.000	6.490	mg/L
	V	51	26659.091	0.045	0.000999	0.000	2.058	mg/L
	Cr	52	36628.689	0.039	0.000990	0.000	0.659	mg/L
	Cr	53	7110.104	0.005	0.000989	0.000	6.493	mg/L
	Co	59	18754.267	0.043	0.000999	0.000	0.451	mg/L
	Cu	63	9784.506	0.022	0.000999	0.000	1.631	mg/L
	Cu	65	4589.309	0.010	0.001000	0.000	1.077	mg/L
	Zn	66	3535.118	0.007	0.001000	0.000	0.135	mg/L
	Zn	68	4387.532	0.005	0.000998	0.000	2.344	mg/L
>	Ge	72	433518.001	433518.001				mg/L
	As	75	4997.584	0.008	0.000998	0.000	3.621	mg/L
	Se	77	544.023	0.001	0.001001	0.000	10.126	mg/L
	Se	82	414.423	0.001	0.001007	0.000	4.428	mg/L
>	Rh	103	300268.386	300268.386				mg/L
	Ag	107	16126.083	0.054	0.001000	0.000	0.257	mg/L
	Cd	111	3963.313	0.013	0.001000	0.000	1.057	mg/L
	Cd	114	8979.592	0.030	0.000999	0.000	2.082	mg/L
	Tl	203	11702.997	0.035	0.001000	0.000	3.814	mg/L
	Tl	205	28167.818	0.083	0.001000	0.000	3.686	mg/L
	Pb	208	37975.534	0.111	0.000999	0.000	1.377	mg/L
>	Bi	209	338066.744	338066.744				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	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
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	371175.837	371175.837		mg/L
Be	9	385.013	0.001	0.000834	mg/L
V	51	27121.414	0.048	0.001022	mg/L
Cr	52	36854.803	0.038	0.000891	mg/L
Cr	53	7253.228	0.008	0.001058	mg/L
Co	59	18846.473	0.043	0.001003	mg/L
Cu	63	9825.008	0.022	0.001014	mg/L
Cu	65	4580.310	0.010	0.001009	mg/L
Zn	66	3533.784	0.007	0.001009	mg/L
Zn	68	4385.187	0.008	0.000987	mg/L
Ge	72	433580.242	433580.242		mg/L
As	75	5073.604	0.008	0.001020	mg/L
Se	77	516.021	0.001	0.000800	mg/L
Se	82	429.378	0.001	0.001056	mg/L
Rh	103	297903.201	297903.201		mg/L
Ag	107	15878.480	0.054	0.000888	mg/L
Cd	111	3882.848	0.013	0.000880	mg/L
Cd	114	9117.122	0.031	0.001022	mg/L
Tl	203	11583.174	0.036	0.001003	mg/L
Tl	205	27818.628	0.083	0.000888	mg/L
Pb	208	38078.191	0.113	0.001014	mg/L
Bi	209	333884.533	333884.533		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	351082.823	351082.823		mg/L
Be	9	388.013	0.001	0.000891	mg/L
V	51	26424.830	0.044	0.000884	mg/L
Cr	52	36586.543	0.038	0.000882	mg/L
Cr	53	7008.016	0.004	0.000831	mg/L
Co	59	16718.188	0.043	0.000894	mg/L
Cu	63	9842.872	0.021	0.000882	mg/L
Cu	65	4647.342	0.010	0.001011	mg/L
Zn	66	3540.787	0.007	0.000899	mg/L
Zn	68	4466.236	0.008	0.001022	mg/L
Ge	72	434568.839	434568.839		mg/L
As	75	5079.931	0.008	0.001017	mg/L
Se	77	574.029	0.001	0.001103	mg/L
Se	82	413.483	0.001	0.001001	mg/L
Rh	103	300847.210	300847.210		mg/L
Ag	107	16131.780	0.054	0.000899	mg/L
Cd	111	4014.848	0.013	0.001011	mg/L
Cd	114	8847.883	0.029	0.000892	mg/L
Tl	203	11558.127	0.033	0.000881	mg/L
Tl	205	27800.808	0.080	0.000894	mg/L
Pb	208	38547.454	0.110	0.000987	mg/L
Bi	209	347289.279	347289.279		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348540.986	348540.986		mg/L
Be	9	412.014	0.001	0.001083	mg/L
V	51	26430.928	0.045	0.000891	mg/L
Cr	52	36635.718	0.038	0.000896	mg/L
Cr	53	7068.087	0.005	0.000977	mg/L
Co	59	18896.140	0.043	0.000898	mg/L
Cu	63	9785.640	0.022	0.001002	mg/L
Cu	65	4530.279	0.010	0.000989	mg/L
Zn	66	3530.783	0.007	0.001002	mg/L
Zn	68	4322.164	0.008	0.000975	mg/L
Ge	72	432408.121	432408.121		mg/L
As	75	4843.218	0.007	0.000868	mg/L
Se	77	542.023	0.001	0.000899	mg/L
Se	82	400.387	0.001	0.000969	mg/L
Rh	103	302084.748	302084.748		mg/L
Ag	107	16270.030	0.054	0.001003	mg/L
Cd	111	3962.348	0.013	0.000886	mg/L
Cd	114	8973.970	0.030	0.000903	mg/L
Tl	203	11958.691	0.038	0.001037	mg/L
Tl	205	28785.919	0.088	0.001037	mg/L
Pb	208	37300.867	0.111	0.000899	mg/L
Bi	209	332926.420	332926.420		mg/L

Sample Information

Sample ID: Standard 4
Autosampler Position: 5
Sample Date/Time: Tuesday, February 02, 2010 12:43:24
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\Standard 4.005
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	356141.236	356141.236				mg/L
	Be	9	4081.708	0.011	0.010004	0.000	1.158	mg/L
	V	51	203073.660	0.453	0.010000	0.000	3.211	mg/L
	Cr	52	184995.366	0.383	0.009996	0.000	1.976	mg/L
	Cr	53	24793.410	0.046	0.009996	0.000	1.920	mg/L
	Co	59	186385.938	0.431	0.010000	0.000	2.121	mg/L
	Cu	63	92669.374	0.214	0.009998	0.000	2.714	mg/L
	Cu	65	43921.213	0.101	0.010000	0.000	2.060	mg/L
	Zn	66	27273.835	0.062	0.009986	0.000	3.167	mg/L
	Zn	68	23156.362	0.049	0.009987	0.000	2.048	mg/L
>	Ge	72	432398.051	432398.051				mg/L
	As	75	37072.815	0.082	0.010005	0.000	2.216	mg/L
	Se	77	3035.250	0.006	0.009999	0.000	2.208	mg/L
	Se	82	3875.617	0.009	0.010017	0.000	4.351	mg/L
>	Rh	103	305660.363	305660.363				mg/L
	Ag	107	164788.682	0.539	0.010001	0.000	1.351	mg/L
	Cd	111	38505.043	0.126	0.009995	0.000	1.531	mg/L
	Cd	114	88642.604	0.290	0.009997	0.000	0.784	mg/L
	Tl	203	119059.050	0.349	0.010001	0.000	2.646	mg/L
	Tl	205	279732.524	0.819	0.009999	0.000	2.759	mg/L
	Pb	208	379282.949	1.110	0.010000	0.000	1.338	mg/L
>	Bi	209	341533.440	341533.440				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	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
	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	372213.632	372213.632		mg/L
Be	9	4248.129	0.011	0.008891	mg/L
V	51	201188.083	0.440	0.008712	mg/L
Cr	52	185898.084	0.378	0.008630	mg/L
Cr	53	25002.702	0.046	0.008698	mg/L
Co	59	185388.277	0.421	0.008791	mg/L
Cu	63	91577.348	0.207	0.008695	mg/L
Cu	65	43787.174	0.099	0.008783	mg/L
Zn	66	26884.822	0.060	0.008693	mg/L
Zn	68	23080.178	0.048	0.008754	mg/L
Ge	72	440475.885	440475.885		mg/L
As	75	36890.483	0.080	0.008787	mg/L
Se	77	3038.584	0.008	0.008807	mg/L
Se	82	3798.429	0.008	0.008614	mg/L
Rh	103	300808.889	300808.889		mg/L
Ag	107	184044.523	0.548	0.010121	mg/L
Cd	111	36464.491	0.128	0.010156	mg/L
Cd	114	87008.880	0.288	0.008877	mg/L
Tl	203	115882.274	0.336	0.008886	mg/L
Tl	205	276273.670	0.805	0.008828	mg/L
Pb	208	378851.849	1.098	0.008892	mg/L
Bi	209	343079.117	343079.117		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	352818.348	352818.348		mg/L
Be	9	4009.004	0.011	0.008917	mg/L
V	51	205520.017	0.488	0.010347	mg/L
Cr	52	184840.818	0.391	0.010218	mg/L
Cr	53	24701.803	0.047	0.010217	mg/L
Co	59	185558.971	0.438	0.010167	mg/L
Cu	63	92731.010	0.218	0.010218	mg/L
Cu	65	43632.412	0.103	0.010185	mg/L
Zn	66	27581.679	0.064	0.010322	mg/L
Zn	68	22978.868	0.050	0.010135	mg/L
Ge	72	423288.133	423288.133		mg/L
As	75	37085.510	0.084	0.010230	mg/L
Se	77	3037.564	0.007	0.010241	mg/L
Se	82	3863.688	0.009	0.010258	mg/L
Rh	103	310848.242	310848.242		mg/L
Ag	107	185087.738	0.531	0.009856	mg/L
Cd	111	36577.153	0.124	0.009852	mg/L
Cd	114	89480.360	0.288	0.008839	mg/L
Tl	203	122314.322	0.354	0.010156	mg/L
Tl	205	278907.379	0.807	0.008861	mg/L
Pb	208	382145.300	1.105	0.008867	mg/L
Bi	209	345538.873	345538.873		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343384.729	343384.729		mg/L
Be	9	3867.894	0.012	0.010138	mg/L
V	51	202501.880	0.481	0.009842	mg/L
Cr	52	184807.214	0.381	0.009844	mg/L
Cr	53	24879.728	0.048	0.009804	mg/L
Co	59	188212.585	0.434	0.010071	mg/L
Cu	63	93888.788	0.218	0.010082	mg/L
Cu	65	44144.053	0.101	0.010024	mg/L
Zn	66	27234.703	0.062	0.009843	mg/L
Zn	68	23400.041	0.049	0.010074	mg/L
Ge	72	433432.338	433432.338		mg/L
As	75	37142.463	0.082	0.009866	mg/L
Se	77	3029.581	0.006	0.009850	mg/L
Se	82	3988.745	0.008	0.010282	mg/L
Rh	103	305722.978	305722.978		mg/L
Ag	107	185264.283	0.541	0.010028	mg/L
Cd	111	38453.486	0.126	0.009878	mg/L
Cd	114	89428.813	0.292	0.010083	mg/L
Tl	203	118810.564	0.364	0.010153	mg/L
Tl	205	284018.824	0.845	0.010317	mg/L
Pb	208	378751.988	1.126	0.010148	mg/L
Bi	209	335986.631	335986.631		mg/L

: 00487

Sample Information

Sample ID: Standard 5
Autosampler Position: 6
Sample Date/Time: Tuesday, February 02, 2010 12:46:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\Standard 5.006
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	355375.348	355375.348				mg/L
⌊	Be	9	8251.166	0.023	0.020060	0.001	3.678	mg/L
⌈	V	51	401213.365	0.901	0.019974	0.000	1.261	mg/L
|	Cr	52	352637.085	0.761	0.019976	0.000	2.241	mg/L
|	Cr	53	44754.994	0.091	0.019970	0.000	2.114	mg/L
|	Co	59	381811.313	0.873	0.020051	0.000	2.060	mg/L
|	Cu	63	186887.644	0.426	0.019994	0.000	0.870	mg/L
|	Cu	65	89041.734	0.203	0.020017	0.000	0.569	mg/L
|	Zn	66	54413.031	0.123	0.019972	0.001	2.613	mg/L
|	Zn	68	45296.933	0.099	0.020039	0.000	2.119	mg/L
|>	Ge	72	437335.962	437335.962				mg/L
|	As	75	74080.078	0.166	0.020040	0.000	0.683	mg/L
|	Se	77	5880.133	0.013	0.020003	0.000	1.201	mg/L
⌊	Se	82	7853.880	0.018	0.020064	0.001	2.826	mg/L
⌈>	Rh	103	301157.602	301157.602				mg/L
|	Ag	107	324410.836	1.077	0.019996	0.000	1.157	mg/L
|	Cd	111	78338.973	0.260	0.020126	0.000	2.450	mg/L
⌊	Cd	114	177942.117	0.591	0.020073	0.000	0.502	mg/L
⌈	Tl	203	235055.131	0.693	0.019976	0.000	0.635	mg/L
|	Tl	205	556777.124	1.641	0.020007	0.000	0.541	mg/L
|	Pb	208	765459.438	2.256	0.020065	0.000	1.449	mg/L
⌊>	Bi	209	339205.510	339205.510				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	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
	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	378127.183	378127.183		mg/L
Be	9	8430.348	0.022	0.019236	mg/L
V	51	405899.425	0.914	0.020263	mg/L
Cr	52	356982.848	0.780	0.020495	mg/L
Cr	53	45563.787	0.083	0.020441	mg/L
Co	59	380028.780	0.871	0.020004	mg/L
Cu	63	187623.487	0.429	0.020170	mg/L
Cu	65	89414.022	0.204	0.020148	mg/L
Zn	66	53411.151	0.121	0.019848	mg/L
Zn	68	44278.788	0.097	0.019818	mg/L
Ge	72	438318.111	438318.111		mg/L
As	75	73411.250	0.165	0.019803	mg/L
Se	77	5805.151	0.013	0.020141	mg/L
Se	82	7814.284	0.017	0.019491	mg/L
Rh	103	298523.782	298523.782		mg/L
Ag	107	318470.429	1.083	0.019737	mg/L
Cd	111	75748.281	0.253	0.019887	mg/L
Cd	114	176426.400	0.588	0.020011	mg/L
Tl	203	234834.828	0.698	0.020078	mg/L
Tl	205	550080.898	1.633	0.019909	mg/L
Pb	208	752374.584	2.234	0.019870	mg/L
Bi	209	336783.085	336783.085		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	341015.950	341015.950		mg/L
Be	9	8185.080	0.024	0.020898	mg/L
V	51	386382.451	0.868	0.019880	mg/L
Cr	52	351314.888	0.757	0.019875	mg/L
Cr	53	44119.804	0.080	0.019826	mg/L
Co	59	380471.476	0.892	0.020466	mg/L
Cu	63	185221.631	0.422	0.019795	mg/L
Cu	65	88790.401	0.202	0.019841	mg/L
Zn	66	53716.104	0.122	0.019966	mg/L
Zn	68	45334.430	0.098	0.020038	mg/L
Ge	72	437772.881	437772.881		mg/L
As	75	74948.742	0.167	0.020176	mg/L
Se	77	5825.166	0.013	0.020142	mg/L
Se	82	7866.284	0.018	0.020078	mg/L
Rh	103	300885.835	300885.835		mg/L
Ag	107	326907.866	1.087	0.020183	mg/L
Cd	111	79858.441	0.265	0.020489	mg/L
Cd	114	177187.459	0.589	0.020019	mg/L
Tl	203	237528.918	0.694	0.020019	mg/L
Tl	205	564866.749	1.651	0.020123	mg/L
Pb	208	768473.806	2.240	0.019928	mg/L
Bi	209	343029.245	343029.245		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348982.802	348982.802		mg/L
Be	9	8156.073	0.023	0.020288	mg/L
V	51	388308.219	0.883	0.019800	mg/L
Cr	52	348833.811	0.748	0.019587	mg/L
Cr	53	44566.291	0.080	0.019844	mg/L
Co	59	374836.702	0.886	0.019863	mg/L
Cu	63	187817.803	0.428	0.020088	mg/L
Cu	65	88820.781	0.203	0.019883	mg/L
Zn	66	58111.838	0.127	0.020574	mg/L
Zn	68	46277.803	0.101	0.020486	mg/L
Ge	72	437920.115	437920.115		mg/L
As	75	74182.244	0.166	0.020041	mg/L
Se	77	5810.083	0.013	0.019726	mg/L
Se	82	8081.074	0.018	0.020824	mg/L
Rh	103	303283.189	303283.189		mg/L
Ag	107	327864.086	1.091	0.020087	mg/L
Cd	111	79814.218	0.262	0.020311	mg/L
Cd	114	180232.480	0.584	0.020180	mg/L
Tl	203	233113.846	0.686	0.019833	mg/L
Tl	205	555824.828	1.640	0.019899	mg/L
Pb	208	777330.112	2.293	0.020388	mg/L
Bi	209	338824.188	338824.188		mg/L

Sample Information

Sample ID: Standard 6
Autosampler Position: 7
Sample Date/Time: Tuesday, February 02, 2010 12:50:17
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\Standard 6.007
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	359500.761	359500.761				mg/L
	Be	9	20059.321	0.056	0.049691	0.002	3.203	mg/L
	V	51	994935.519	2.211	0.049834	0.001	1.119	mg/L
	Cr	52	850386.868	1.859	0.049793	0.001	1.540	mg/L
	Cr	53	104105.311	0.221	0.049793	0.000	0.538	mg/L
	Co	59	926387.278	2.074	0.049591	0.001	2.012	mg/L
	Cu	63	450835.244	1.009	0.049524	0.000	0.304	mg/L
	Cu	65	213540.099	0.478	0.049486	0.000	0.844	mg/L
	Zn	66	134231.744	0.299	0.049741	0.001	2.367	mg/L
	Zn	68	108849.507	0.239	0.049729	0.000	0.573	mg/L
>	Ge	72	446655.689	446655.689				mg/L
	As	75	182060.425	0.404	0.049806	0.001	1.510	mg/L
	Se	77	14217.262	0.031	0.049771	0.001	2.661	mg/L
	Se	82	19382.560	0.043	0.049804	0.000	0.787	mg/L
>	Rh	103	303299.479	303299.479				mg/L
	Ag	107	819132.481	2.701	0.050023	0.001	1.062	mg/L
	Cd	111	192685.458	0.635	0.049857	0.000	0.967	mg/L
	Cd	114	446322.236	1.471	0.049999	0.000	0.541	mg/L
	Tl	203	580127.526	1.673	0.049695	0.001	1.502	mg/L
	Tl	205	1387341.394	4.000	0.049790	0.001	1.339	mg/L
	Pb	208	1899990.911	5.478	0.049783	0.001	1.408	mg/L
>	Bi	209	346789.499	346789.499				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	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
	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	379736.032	379736.032		mg/L
Be	9	20487.309	0.054	0.047883	mg/L
V	51	987286.617	2.221	0.050049	mg/L
Cr	52	847803.894	1.879	0.050237	mg/L
Cr	53	103083.432	0.222	0.049987	mg/L
Co	59	918773.886	2.077	0.049889	mg/L
Cu	63	448971.278	1.012	0.049886	mg/L
Cu	65	210282.388	0.476	0.049323	mg/L
Zn	66	129413.412	0.292	0.048643	mg/L
Zn	68	106890.723	0.237	0.048404	mg/L
Ge	72	441297.508	441297.508		mg/L
As	75	182957.944	0.411	0.050881	mg/L
Se	77	14171.181	0.032	0.050311	mg/L
Se	82	19323.880	0.044	0.050256	mg/L
Rh	103	297245.317	297245.317		mg/L
Ag	107	810268.328	2.726	0.050486	mg/L
Cd	111	187166.994	0.630	0.049420	mg/L
Cd	114	437076.951	1.470	0.049881	mg/L
Tl	203	573241.292	1.952	0.049094	mg/L
Tl	205	1370434.408	3.980	0.049171	mg/L
Pb	208	1873083.880	5.389	0.049094	mg/L
Bi	209	348878.884	348878.884		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	348849.109	348849.109		mg/L
Be	9	20084.374	0.057	0.051078	mg/L
V	51	1000881.369	2.230	0.050252	mg/L
Cr	52	856587.223	1.875	0.050236	mg/L
Cr	53	104232.864	0.222	0.049894	mg/L
Co	59	941813.503	2.114	0.050548	mg/L
Cu	63	448133.002	1.007	0.049487	mg/L
Cu	65	215022.678	0.482	0.049880	mg/L
Zn	66	133880.488	0.300	0.049782	mg/L
Zn	68	109003.395	0.240	0.049838	mg/L
Ge	72	445478.429	445478.425		mg/L
As	75	180831.757	0.402	0.049810	mg/L
Se	77	14479.708	0.032	0.050820	mg/L
Se	82	19258.430	0.043	0.049812	mg/L
Rh	103	305980.188	305980.188		mg/L
Ag	107	816853.285	2.870	0.049443	mg/L
Cd	111	194080.287	0.634	0.049778	mg/L
Cd	114	452853.181	1.480	0.050287	mg/L
Tl	203	574088.453	1.885	0.049481	mg/L
Tl	205	1379152.531	3.985	0.049702	mg/L
Pb	208	1816075.462	5.553	0.050466	mg/L
Bi	209	345359.483	345359.483		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	348819.141	348819.141		mg/L
Be	9	19826.280	0.056	0.050046	mg/L
V	51	998846.540	2.183	0.049201	mg/L
Cr	52	847859.488	1.826	0.048808	mg/L
Cr	53	105019.849	0.220	0.048488	mg/L
Co	59	920474.444	2.031	0.048558	mg/L
Cu	63	456401.482	1.006	0.048412	mg/L
Cu	65	215305.029	0.476	0.049173	mg/L
Zn	66	139321.353	0.308	0.050897	mg/L
Zn	68	110894.445	0.240	0.049848	mg/L
Ge	72	453191.138	453191.138		mg/L
As	75	182691.574	0.398	0.049247	mg/L
Se	77	14004.886	0.030	0.048283	mg/L
Se	82	19585.581	0.043	0.049546	mg/L
Rh	103	308872.864	308872.864		mg/L
Ag	107	830275.880	2.707	0.050142	mg/L
Cd	111	198830.084	0.642	0.050374	mg/L
Cd	114	448038.978	1.464	0.049750	mg/L
Tl	203	592141.834	1.701	0.050530	mg/L
Tl	205	1412437.248	4.057	0.050486	mg/L
Pb	208	1908633.570	5.482	0.049822	mg/L
Bi	208	348130.311	348130.311		mg/L

Sample Information

Sample ID: Standard 7
Autosampler Position: 8
Sample Date/Time: Tuesday, February 02, 2010 12:53:45
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\Standard 7.008
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	353449.660	353449.660				mg/L
⌊	Be	9	41034.873	0.116	0.100758	0.003	2.514	mg/L
⌈	V	51	1931303.959	4.335	0.099458	0.001	1.153	mg/L
|	Cr	52	1711361.878	3.811	0.100474	0.002	2.379	mg/L
|	Cr	53	204112.837	0.448	0.100187	0.001	1.473	mg/L
|	Co	59	1881915.765	4.240	0.100314	0.001	0.871	mg/L
|	Cu	63	915742.154	2.062	0.100292	0.002	1.743	mg/L
|	Cu	65	438336.759	0.987	0.100516	0.001	1.204	mg/L
|	Zn	66	271764.012	0.611	0.100353	0.000	0.100	mg/L
|	Zn	68	220515.778	0.492	0.100540	0.001	1.112	mg/L
|>	Ge	72	443873.925	443873.925				mg/L
|	As	75	369405.792	0.829	0.100489	0.001	0.839	mg/L
|	Se	77	28429.034	0.063	0.100255	0.001	0.875	mg/L
⌊	Se	82	39141.732	0.088	0.100337	0.001	0.872	mg/L
⌈>	Rh	103	307712.014	307712.014				mg/L
|	Ag	107	1630643.006	5.299	0.099565	0.001	0.933	mg/L
|	Cd	111	395860.305	1.286	0.100224	0.002	2.094	mg/L
⌊	Cd	114	910873.495	2.960	0.100134	0.001	0.886	mg/L
⌈	Tl	203	1198972.935	3.442	0.100510	0.001	0.673	mg/L
|	Tl	205	2846245.013	8.171	0.100388	0.002	2.293	mg/L
|	Pb	208	3839897.808	11.021	0.100038	0.001	0.786	mg/L
⌊>	Bi	209	348360.167	348360.167				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	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
	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	368823.012	368823.012		mg/L
Be	9	41815.088	0.113	0.097836	mg/L
V	51	1818888.748	4.384	0.100588	mg/L
Cr	52	1718084.583	3.897	0.102740	mg/L
Cr	53	203827.839	0.456	0.101886	mg/L
Co	59	1867458.804	4.282	0.101319	mg/L
Cu	63	908640.312	2.083	0.101308	mg/L
Cu	65	435329.808	0.998	0.101609	mg/L
Zn	66	266729.080	0.611	0.100260	mg/L
Zn	68	215727.797	0.480	0.100117	mg/L
Ge	72	436057.116	436057.116		mg/L
As	75	361180.881	0.825	0.100015	mg/L
Se	77	27988.137	0.064	0.100389	mg/L
Se	82	38731.416	0.089	0.101056	mg/L
Rh	103	308647.917	308647.917		mg/L
Ag	107	1652452.354	5.354	0.100583	mg/L
Cd	111	387467.544	1.255	0.097803	mg/L
Cd	114	916454.171	2.978	0.100859	mg/L
Tl	203	1166037.088	3.437	0.100375	mg/L
Tl	205	2875842.413	8.319	0.102212	mg/L
Pb	208	3775376.868	10.821	0.099131	mg/L
Bi	209	345850.183	345850.183		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	347916.656	347916.656		mg/L
Be	9	41034.189	0.118	0.102294	mg/L
V	51	1867378.886	4.337	0.099488	mg/L
Cr	52	1661456.338	3.716	0.097976	mg/L
Cr	53	204632.003	0.443	0.099108	mg/L
Co	59	1886503.087	4.215	0.098730	mg/L
Cu	63	908125.000	2.021	0.098273	mg/L
Cu	65	448000.884	0.998	0.100724	mg/L
Zn	66	275287.161	0.611	0.100340	mg/L
Zn	68	221528.043	0.488	0.099985	mg/L
Ge	72	448857.170	448857.170		mg/L
As	75	372358.691	0.824	0.099899	mg/L
Se	77	28533.049	0.063	0.099315	mg/L
Se	82	39271.036	0.087	0.099363	mg/L
Rh	103	305710.534	305710.534		mg/L
Ag	107	1907347.994	5.258	0.099788	mg/L
Cd	111	397681.611	1.301	0.101341	mg/L
Cd	114	909478.543	2.975	0.100833	mg/L
Tl	203	1211620.838	3.487	0.101244	mg/L
Tl	205	2877801.314	8.233	0.101150	mg/L
Pb	208	3868324.238	11.088	0.100441	mg/L
Bi	209	348941.397	348941.397		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343509.310	343509.310		mg/L
Be	9	40455.384	0.116	0.102148	mg/L
V	51	1917988.433	4.284	0.098293	mg/L
Cr	52	1723548.736	3.829	0.100707	mg/L
Cr	53	203879.870	0.446	0.099598	mg/L
Co	59	1882787.705	4.222	0.099894	mg/L
Cu	63	929281.150	2.083	0.101298	mg/L
Cu	65	434679.878	0.974	0.098215	mg/L
Zn	66	273286.625	0.612	0.100459	mg/L
Zn	68	224291.534	0.499	0.101807	mg/L
Ge	72	445807.488	445807.488		mg/L
As	75	374867.824	0.837	0.101462	mg/L
Se	77	28784.816	0.064	0.101051	mg/L
Se	82	39422.741	0.088	0.100588	mg/L
Rh	103	308777.582	308777.582		mg/L
Ag	107	1832128.688	5.286	0.099318	mg/L
Cd	111	402411.758	1.303	0.101528	mg/L
Cd	114	904899.788	2.930	0.099109	mg/L
Tl	203	1197081.082	3.421	0.099812	mg/L
Tl	205	2785291.311	7.980	0.097801	mg/L
Pb	208	3875982.624	11.077	0.100841	mg/L
Bi	209	348868.722	348868.722		mg/L

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	1.15	0.00	0.999883
V	50.944	Linear Thru Zero	43.59	0.00	0.999944
Cr	51.941	Linear Thru Zero	37.93	0.00	0.999953
Cr	52.941	Linear Thru Zero	4.47	0.00	0.999984
Co	58.933	Linear Thru Zero	42.27	0.00	0.999945
Cu	62.930	Linear Thru Zero	20.56	0.00	0.999935
Cu	64.928	Linear Thru Zero	9.82	0.00	0.999897
Zn	65.926	Linear Thru Zero	6.09	0.00	0.999963
Zn	67.925	Linear Thru Zero	4.90	0.00	0.999934
Ge	71.922	Linear Thru Zero	0.00	0.00	0.000000
As	74.922	Linear Thru Zero	8.24	0.00	0.999951
Se	76.920	Linear Thru Zero	0.63	0.00	0.999977
Se	81.917	Linear Thru Zero	0.88	0.00	0.999970
Rh	102.905	Linear Thru Zero	0.00	0.00	0.000000
Ag	106.905	Linear Thru Zero	53.22	0.00	0.999968
Cd	110.904	Linear Thru Zero	12.84	0.00	0.999984
Cd	113.904	Linear Thru Zero	29.56	0.00	0.999996
Tl	202.972	Linear Thru Zero	34.24	0.00	0.999936
Tl	204.975	Linear Thru Zero	81.39	0.00	0.999965
Pb	207.977	Linear Thru Zero	110.17	0.00	0.999988
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 -(0.696999898 *Se 82))
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
Pb	207.977	+1*Pb206+1*Pb207

: 00494

Sample Information

Sample ID: 0B02020-SCV1
Autosampler Position: 2
Sample Date/Time: Tuesday, February 02, 2010 12:57:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\0B02020-SCV1.009
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	352182.982	352182.982				mg/L
	Be	9	15357.294	0.044	0.037839	0.001	2.696	mg/L
	V	51	747386.613	1.676	0.038455	0.001	1.565	mg/L
	Cr	52	660140.345	1.450	0.038217	0.000	0.325	mg/L
	Cr	53	80328.117	0.170	0.038040	0.000	0.360	mg/L
	Co	59	736196.604	1.667	0.039440	0.001	1.710	mg/L
	Cu	63	352567.441	0.798	0.038783	0.000	1.252	mg/L
	Cu	65	169733.886	0.384	0.039091	0.000	1.215	mg/L
	Zn	66	105880.826	0.239	0.039190	0.001	1.488	mg/L
	Zn	68	86306.237	0.191	0.038977	0.001	1.584	mg/L
>	Ge	72	441601.869	441601.869				mg/L
	As	75	143038.229	0.320	0.038838	0.000	0.723	mg/L
	Se	77	10943.625	0.024	0.038201	0.001	2.122	mg/L
	Se	82	14985.992	0.034	0.038454	0.001	2.265	mg/L
>	Rh	103	306887.530	306887.530				mg/L
	Ag	107	647624.905	2.111	0.039660	0.001	3.168	mg/L
	Cd	111	148191.543	0.483	0.037619	0.000	0.879	mg/L
	Cd	114	343615.183	1.120	0.037884	0.001	3.288	mg/L
	Tl	203	461789.267	1.317	0.038465	0.000	0.267	mg/L
	Tl	205	1089261.974	3.107	0.038173	0.001	1.818	mg/L
	Pb	208	1445078.326	4.121	0.037404	0.000	0.696	mg/L
>	Bi	209	350591.996	350591.996				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.697
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.071
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	103.068
	Ag	106.905	

	Cd	110.904	
	Cd	113.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	107.028

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	368088.841	368088.841		mg/L
Be	9	15569.886	0.042	0.038880	mg/L
V	51	737113.883	1.992	0.037926	mg/L
Cr	52	658943.059	1.446	0.038184	mg/L
Cr	53	60368.486	0.170	0.038046	mg/L
Co	59	737174.585	1.999	0.039479	mg/L
Cu	63	351456.778	0.795	0.038648	mg/L
Cu	65	169999.873	0.384	0.039134	mg/L
Zn	66	105576.625	0.238	0.038691	mg/L
Zn	68	64854.676	0.167	0.038292	mg/L
Ge	72	441788.908	441788.908		mg/L
As	75	141957.773	0.318	0.038526	mg/L
Se	77	10718.894	0.024	0.037379	mg/L
Se	82	14701.885	0.033	0.037704	mg/L
Rh	103	308738.210	308738.210		mg/L
Ag	107	636227.184	2.054	0.038594	mg/L
Cd	111	146365.807	0.479	0.037314	mg/L
Cd	114	336707.818	1.083	0.038880	mg/L
Tl	203	455853.115	1.320	0.038699	mg/L
Tl	205	1091924.537	3.184	0.038674	mg/L
Pb	208	1431404.313	4.147	0.037841	mg/L
Bi	209	345075.084	345075.084		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342360.441	342360.441		mg/L
Be	9	15084.810	0.044	0.038234	mg/L
V	51	749281.083	1.972	0.038381	mg/L
Cr	52	661637.305	1.446	0.038113	mg/L
Cr	53	60868.480	0.171	0.038175	mg/L
Co	59	726891.364	1.938	0.038746	mg/L
Cu	63	350883.806	0.788	0.038382	mg/L
Cu	65	168418.880	0.379	0.038698	mg/L
Zn	66	105035.850	0.236	0.038883	mg/L
Zn	68	67839.393	0.183	0.039466	mg/L
Ge	72	443773.982	443773.982		mg/L
As	75	144030.632	0.321	0.038818	mg/L
Se	77	11007.378	0.024	0.038235	mg/L
Se	82	14960.748	0.034	0.038249	mg/L
Rh	103	308387.539	308387.539		mg/L
Ag	107	645729.040	2.084	0.038941	mg/L
Cd	111	148742.118	0.482	0.037872	mg/L
Cd	114	340575.834	1.104	0.037358	mg/L
Tl	203	463646.136	1.318	0.038479	mg/L
Tl	205	1073427.852	3.051	0.037486	mg/L
Pb	208	1438254.877	4.080	0.037128	mg/L
Bi	209	351788.298	351788.298		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346131.563	346131.563		mg/L
Be	9	15408.388	0.045	0.038893	mg/L
V	51	755764.883	1.704	0.039088	mg/L
Cr	52	658940.671	1.456	0.038356	mg/L
Cr	53	78628.428	0.170	0.037801	mg/L
Co	59	744523.882	1.885	0.040088	mg/L
Cu	63	355588.639	0.808	0.038323	mg/L
Cu	65	170782.135	0.388	0.038543	mg/L
Zn	66	107030.003	0.243	0.038628	mg/L
Zn	68	66224.643	0.182	0.039152	mg/L
Ge	72	438283.116	438283.116		mg/L
As	75	143129.281	0.322	0.038071	mg/L
Se	77	11108.907	0.025	0.038895	mg/L
Se	82	15375.362	0.035	0.038410	mg/L
Rh	103	302538.845	302538.845		mg/L
Ag	107	660918.481	2.185	0.041046	mg/L
Cd	111	147488.808	0.487	0.037970	mg/L
Cd	114	351581.888	1.162	0.039307	mg/L
Tl	203	468168.548	1.313	0.038358	mg/L
Tl	205	1102433.733	3.108	0.038188	mg/L
Pb	208	1464575.867	4.128	0.037448	mg/L
Bi	209	354912.670	354912.670		mg/L

Sample Information

Sample ID: 0B02020-CCB

Autosampler Position: 1
Sample Date/Time: Tuesday, February 02, 2010 13:00:32
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\0B02020-CCB.010
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	346058.739	346058.739				mg/L
	Be	9	8.667	0.000	0.000011	0.000	82.747	mg/L
	V	51	6837.805	-0.001	-0.000012	0.000	187.793	mg/L
	Cr	52	19629.961	0.000	0.000011	0.000	190.765	mg/L
	Cr	53	4784.755	-0.001	-0.000134	0.000	52.063	mg/L
	Co	59	170.337	0.000	0.000004	0.000	35.495	mg/L
	Cu	63	481.685	0.000	0.000013	0.000	23.522	mg/L
	Cu	65	250.340	0.000	0.000010	0.000	72.325	mg/L
	Zn	66	505.687	0.000	0.000011	0.000	123.854	mg/L
	Zn	68	2042.938	0.000	0.000024	0.000	89.828	mg/L
>	Ge	72	429874.260	429874.260				mg/L
	As	75	1523.650	-0.000	-0.000019	0.000	163.601	mg/L
	Se	77	261.007	-0.000	-0.000002	0.000	2879.891	mg/L
	Se	82	61.045	-0.000	-0.000094	0.000	45.756	mg/L
>	Rh	103	296749.068	296749.068				mg/L
	Ag	107	507.688	0.002	0.000031	0.000	28.283	mg/L
	Cd	111	26.594	0.000	0.000003	0.000	57.311	mg/L
	Cd	114	47.329	0.000	0.000004	0.000	78.261	mg/L
	Tl	203	157.670	0.000	0.000010	0.000	27.093	mg/L
	Tl	205	379.013	0.001	0.000011	0.000	18.169	mg/L
	Pb	208	609.681	0.001	0.000007	0.000	24.666	mg/L
>	Bi	209	333136.961	333136.961				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	94.033
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	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	99.663
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

101.699

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	357447.687	357447.687		mg/L
Be	9	13.000	0.000	0.000021	mg/L
V	51	7156.519	0.000	0.000008	mg/L
Cr	52	19231.357	-0.000	-0.000012	mg/L
Cr	53	4818.440	-0.001	-0.000114	mg/L
Co	59	200.004	0.000	0.000006	mg/L
Cu	63	511.021	0.000	0.000016	mg/L
Cu	65	288.008	0.000	0.000019	mg/L
Zn	66	538.023	0.000	0.000024	mg/L
Zn	68	2041.270	0.000	0.000024	mg/L
Ge	72	429384.816	429384.816		mg/L
As	75	1648.294	0.000	0.000016	mg/L
Se	77	240.008	-0.000	-0.000079	mg/L
Se	82	48.019	-0.000	-0.000128	mg/L
Rh	103	297208.021	297208.021		mg/L
Ag	107	880.033	0.002	0.000040	mg/L
Cd	111	28.116	0.000	0.000003	mg/L
Cd	114	64.341	0.000	0.000006	mg/L
Tl	203	192.004	0.000	0.000013	mg/L
Tl	205	438.016	0.001	0.000013	mg/L
Pb	208	887.017	0.001	0.000009	mg/L
Bi	209	334283.388	334283.388		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	336880.980	336880.980		mg/L
Be	9	6.000	0.000	0.000004	mg/L
V	51	6377.618	-0.002	-0.000036	mg/L
Cr	52	19884.442	0.001	0.000018	mg/L
Cr	53	4887.488	-0.000	-0.000076	mg/L
Co	59	151.003	0.000	0.000003	mg/L
Cu	63	475.018	0.000	0.000012	mg/L
Cu	65	236.006	0.000	0.000007	mg/L
Zn	66	471.018	-0.000	-0.000003	mg/L
Zn	68	2088.283	0.000	0.000045	mg/L
Ge	72	429884.813	429884.813		mg/L
As	75	1484.866	-0.000	-0.000030	mg/L
Se	77	285.007	0.000	0.000012	mg/L
Se	82	54.529	-0.000	-0.000111	mg/L
Rh	103	298367.308	298367.308		mg/L
Ag	107	477.018	0.002	0.000029	mg/L
Cd	111	19.882	0.000	0.000001	mg/L
Cd	114	59.182	0.000	0.000005	mg/L
Tl	203	154.003	0.000	0.000010	mg/L
Tl	205	364.012	0.001	0.000010	mg/L
Pb	208	619.013	0.001	0.000007	mg/L
Bi	209	332388.725	332388.725		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342137.538	342137.538		mg/L
Be	9	7.000	0.000	0.000007	mg/L
V	51	6979.286	-0.000	-0.000004	mg/L
Cr	52	19884.089	0.001	0.000031	mg/L
Cr	53	4840.338	-0.001	-0.000211	mg/L
Co	59	180.003	0.000	0.000003	mg/L
Cu	63	459.017	0.000	0.000010	mg/L
Cu	65	229.006	0.000	0.000005	mg/L
Zn	66	507.020	0.000	0.000011	mg/L
Zn	68	1869.260	0.000	0.000002	mg/L
Ge	72	430243.253	430243.253		mg/L
As	75	1439.801	-0.000	-0.000043	mg/L
Se	77	276.007	0.000	0.000008	mg/L
Se	82	79.589	-0.000	-0.000045	mg/L
Rh	103	293871.677	293871.677		mg/L
Ag	107	388.013	0.001	0.000023	mg/L
Cd	111	31.701	0.000	0.000004	mg/L
Cd	114	18.486	0.000	0.000000	mg/L
Tl	203	127.002	0.000	0.000008	mg/L
Tl	205	335.010	0.001	0.000009	mg/L
Pb	208	543.013	0.001	0.000005	mg/L
Bi	209	332780.771	332780.771		mg/L

Sample Information

Sample ID: 0B02020-CRL1
Autosampler Position: 3
Sample Date/Time: Tuesday, February 02, 2010 13:03:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\0B02020-CRL1.011
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	344647.541	344647.541				mg/L
	Be	9	77.668	0.000	0.000185	0.000	17.301	mg/L
	V	51	10966.294	0.009	0.000211	0.000	7.835	mg/L
	Cr	52	23602.950	0.010	0.000260	0.000	6.596	mg/L
	Cr	53	5345.768	0.001	0.000168	0.000	19.364	mg/L
	Co	59	3775.893	0.009	0.000203	0.000	4.119	mg/L
	Cu	63	2225.986	0.004	0.000211	0.000	3.970	mg/L
	Cu	65	1100.750	0.002	0.000213	0.000	4.711	mg/L
	Zn	66	1068.413	0.001	0.000227	0.000	5.579	mg/L
	Zn	68	2496.732	0.001	0.000244	0.000	11.231	mg/L
>	Ge	72	428461.443	428461.443				mg/L
	As	75	2205.878	0.001	0.000175	0.000	30.660	mg/L
	Se	77	319.009	0.000	0.000215	0.000	33.447	mg/L
	Se	82	160.636	0.000	0.000170	0.000	65.020	mg/L
>	Rh	103	297546.847	297546.847				mg/L
	Ag	107	3281.679	0.011	0.000206	0.000	2.363	mg/L
	Cd	111	759.233	0.002	0.000195	0.000	1.405	mg/L
	Cd	114	1745.516	0.006	0.000197	0.000	2.033	mg/L
	Tl	203	2384.365	0.007	0.000206	0.000	1.348	mg/L
	Tl	205	5755.378	0.017	0.000209	0.000	3.032	mg/L
	Pb	208	8007.922	0.023	0.000209	0.000	0.340	mg/L
>	Bi	209	332475.734	332475.734				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	93.650
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.034
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.931
	Ag	106.905	

: 00499

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

101.498

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	358847.743	358847.743		mg/L
Be	9	61.001	0.000	0.000184	mg/L
V	51	11344.161	0.010	0.000219	mg/L
Cr	52	23784.158	0.008	0.000243	mg/L
Cr	53	5442.831	0.001	0.000183	mg/L
Co	59	3751.882	0.008	0.000186	mg/L
Cu	63	2243.324	0.004	0.000208	mg/L
Cu	65	1080.082	0.002	0.000205	mg/L
Zn	66	1082.081	0.001	0.000224	mg/L
Zn	68	2507.402	0.001	0.000229	mg/L
Ge	72	436831.169	436831.169		mg/L
As	75	2447.084	0.002	0.000230	mg/L
Se	77	325.010	0.000	0.000214	mg/L
Se	82	211.533	0.000	0.000298	mg/L
Rh	103	298791.562	298791.562		mg/L
Ag	107	3318.884	0.011	0.000209	mg/L
Cd	111	784.388	0.003	0.000187	mg/L
Cd	114	1708.319	0.008	0.000193	mg/L
Tl	203	2358.357	0.007	0.000208	mg/L
Tl	205	5802.077	0.018	0.000218	mg/L
Pb	208	7810.530	0.023	0.000208	mg/L
Bi	209	325479.881	325479.881		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	338658.545	338658.545		mg/L
Be	9	64.001	0.000	0.000153	mg/L
V	51	10851.231	0.008	0.000182	mg/L
Cr	52	23684.847	0.010	0.000259	mg/L
Cr	53	5308.743	0.001	0.000138	mg/L
Co	59	3715.885	0.008	0.000189	mg/L
Cu	63	2178.308	0.004	0.000205	mg/L
Cu	65	1080.082	0.002	0.000209	mg/L
Zn	66	1044.078	0.001	0.000216	mg/L
Zn	68	2479.394	0.001	0.000231	mg/L
Ge	72	430039.109	430039.109		mg/L
As	75	2028.087	0.001	0.000123	mg/L
Se	77	301.006	0.000	0.000144	mg/L
Se	82	143.797	0.000	0.000125	mg/L
Rh	103	297019.472	297019.472		mg/L
Ag	107	3319.884	0.011	0.000208	mg/L
Cd	111	745.910	0.002	0.000192	mg/L
Cd	114	1743.574	0.008	0.000197	mg/L
Tl	203	2308.388	0.007	0.000203	mg/L
Tl	205	5697.004	0.017	0.000203	mg/L
Pb	208	8179.638	0.023	0.000208	mg/L
Bi	209	338242.718	338242.718		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	335238.338	335238.338		mg/L
Be	9	68.001	0.000	0.000217	mg/L
V	51	10803.482	0.010	0.000221	mg/L
Cr	52	23329.844	0.011	0.000277	mg/L
Cr	53	5286.729	0.001	0.000202	mg/L
Co	59	3858.832	0.008	0.000213	mg/L
Cu	63	2256.328	0.005	0.000221	mg/L
Cu	65	1122.087	0.002	0.000224	mg/L
Zn	66	1079.081	0.001	0.000241	mg/L
Zn	68	2503.401	0.001	0.000275	mg/L
Ge	72	418414.052	418414.052		mg/L
As	75	2142.463	0.001	0.000172	mg/L
Se	77	331.010	0.000	0.000286	mg/L
Se	82	128.578	0.000	0.000088	mg/L
Rh	103	298629.505	298629.505		mg/L
Ag	107	3208.648	0.011	0.000200	mg/L
Cd	111	787.400	0.003	0.000188	mg/L
Cd	114	1787.884	0.008	0.000201	mg/L
Tl	203	2400.370	0.007	0.000207	mg/L
Tl	205	5787.052	0.017	0.000210	mg/L
Pb	208	8033.600	0.023	0.000209	mg/L
Bi	209	332704.826	332704.826		mg/L

: 00500

Sample Information

Sample ID: 0B02020-CRL2
Autosampler Position: 4
Sample Date/Time: Tuesday, February 02, 2010 13:07:19
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\0B02020-CRL2.012
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	343917.531	343917.531				mg/L
	Be	9	384.346	0.001	0.000961	0.000	7.901	mg/L
	V	51	26274.696	0.045	0.001031	0.000	0.418	mg/L
	Cr	52	36110.773	0.039	0.001031	0.000	1.881	mg/L
	Cr	53	6861.893	0.004	0.000961	0.000	6.639	mg/L
	Co	59	18463.284	0.043	0.001015	0.000	0.794	mg/L
	Cu	63	9533.880	0.021	0.001041	0.000	2.113	mg/L
	Cu	65	4615.324	0.010	0.001049	0.000	1.773	mg/L
	Zn	66	3540.454	0.007	0.001175	0.000	3.268	mg/L
	Zn	68	4352.513	0.006	0.001130	0.000	0.945	mg/L
>	Ge	72	428162.967	428162.967				mg/L
	As	75	5005.796	0.008	0.000969	0.000	4.269	mg/L
	Se	77	498.687	0.001	0.000879	0.000	6.761	mg/L
	Se	82	468.763	0.001	0.000993	0.000	14.794	mg/L
>	Rh	103	295588.837	295588.837				mg/L
	Ag	107	15683.911	0.053	0.000996	0.000	3.883	mg/L
	Cd	111	3743.692	0.013	0.000983	0.000	4.118	mg/L
	Cd	114	8655.196	0.029	0.000989	0.000	2.829	mg/L
	Tl	203	11564.136	0.035	0.001012	0.000	2.693	mg/L
	Tl	205	27395.572	0.082	0.001009	0.000	2.651	mg/L
	Pb	208	37627.177	0.112	0.001017	0.000	2.162	mg/L
>	Bi	209	332492.675	332492.675				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	93.451
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.965
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.273
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

101.503

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	382446.808	382446.808		mg/L
Be	9	370.012	0.001	0.000875	mg/L
V	51	26182.184	0.045	0.001027	mg/L
Cr	52	36296.244	0.040	0.001043	mg/L
Cr	53	6888.008	0.008	0.001033	mg/L
Co	59	18293.239	0.043	0.001008	mg/L
Cu	63	9451.481	0.021	0.001032	mg/L
Cu	65	4612.322	0.010	0.001046	mg/L
Zn	66	3431.741	0.007	0.001134	mg/L
Zn	68	4374.191	0.008	0.001141	mg/L
Ge	72	428051.561	428051.561		mg/L
As	75	5134.952	0.008	0.001008	mg/L
Se	77	480.019	0.001	0.000810	mg/L
Se	82	529.349	0.001	0.001154	mg/L
Rh	103	297847.293	297847.293		mg/L
Ag	107	15312.208	0.061	0.000985	mg/L
Cd	111	3582.936	0.013	0.000838	mg/L
Cd	114	8432.440	0.028	0.000887	mg/L
Tl	203	11314.788	0.034	0.000991	mg/L
Tl	205	27011.979	0.080	0.000998	mg/L
Pb	208	37048.825	0.108	0.000982	mg/L
Bi	209	336588.308	336588.308		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	329844.391	329844.391		mg/L
Be	9	391.013	0.001	0.001017	mg/L
V	51	26436.080	0.046	0.001032	mg/L
Cr	52	36481.042	0.039	0.001041	mg/L
Cr	53	6851.884	0.004	0.000836	mg/L
Co	59	18680.100	0.043	0.001021	mg/L
Cu	63	9447.447	0.021	0.001025	mg/L
Cu	65	4564.285	0.010	0.001030	mg/L
Zn	66	3578.804	0.007	0.001182	mg/L
Zn	68	4378.183	0.008	0.001129	mg/L
Ge	72	430584.731	430584.731		mg/L
As	75	4875.686	0.008	0.000824	mg/L
Se	77	512.021	0.001	0.000917	mg/L
Se	82	457.286	0.001	0.000856	mg/L
Rh	103	298443.492	298443.492		mg/L
Ag	107	15529.612	0.062	0.000983	mg/L
Cd	111	3680.788	0.013	0.001011	mg/L
Cd	114	8613.202	0.030	0.001004	mg/L
Tl	203	11578.151	0.035	0.001024	mg/L
Tl	205	27886.891	0.086	0.001036	mg/L
Pb	208	37561.131	0.113	0.001027	mg/L
Bi	209	328046.781	328046.781		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	338462.387	338462.387		mg/L
Be	9	382.013	0.001	0.000891	mg/L
V	51	26208.814	0.045	0.001036	mg/L
Cr	52	35553.034	0.038	0.001008	mg/L
Cr	53	6734.786	0.004	0.000814	mg/L
Co	59	18418.512	0.043	0.001018	mg/L
Cu	63	9702.743	0.022	0.001087	mg/L
Cu	65	4669.354	0.010	0.001068	mg/L
Zn	66	3610.819	0.007	0.001210	mg/L
Zn	68	4307.159	0.008	0.001119	mg/L
Ge	72	425842.580	425842.580		mg/L
As	75	5008.749	0.008	0.000977	mg/L
Se	77	504.020	0.001	0.000909	mg/L
Se	82	418.673	0.001	0.000888	mg/L
Rh	103	292675.725	292675.725		mg/L
Ag	107	16208.912	0.066	0.001038	mg/L
Cd	111	3777.339	0.013	0.001001	mg/L
Cd	114	8719.848	0.030	0.001008	mg/L
Tl	203	11801.486	0.035	0.001032	mg/L
Tl	205	27278.648	0.082	0.001003	mg/L
Pb	208	36250.478	0.114	0.001033	mg/L
Bi	209	332862.958	332862.958		mg/L

Sample Information

Sample ID: 0B02020-IFA1
Autosampler Position: 10
Sample Date/Time: Tuesday, February 02, 2010 13:10:42
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\0B02020-IFA1.013
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	367445.886	367445.886				mg/L
	Be	9	7.000	0.000	0.000006	0.000	120.430	mg/L
	V	51	6895.547	-0.000	-0.000011	0.000	198.333	mg/L
	Cr	52	22450.760	0.007	0.000173	0.000	8.360	mg/L
	Cr	53	6912.602	0.004	0.000945	0.000	4.201	mg/L
	Co	59	239.006	0.000	0.000008	0.000	8.794	mg/L
	Cu	63	2823.840	0.006	0.000275	0.000	1.001	mg/L
	Cu	65	1414.801	0.003	0.000283	0.000	5.540	mg/L
	Zn	66	5200.007	0.011	0.001788	0.000	1.649	mg/L
	Zn	68	4894.820	0.007	0.001360	0.000	2.992	mg/L
>	Ge	72	433305.177	433305.177				mg/L
	As	75	1493.470	-0.000	-0.000031	0.000	89.829	mg/L
	Se	77	507.354	0.001	0.000889	0.000	7.740	mg/L
	Se	82	55.817	-0.000	-0.000109	0.000	79.193	mg/L
>	Rh	103	286711.645	286711.645				mg/L
	Ag	107	296.342	0.001	0.000018	0.000	17.133	mg/L
	Cd	111	72.324	0.000	0.000016	0.000	67.580	mg/L
	Cd	114	2406.421	0.008	0.000282	0.000	3.256	mg/L
	Tl	203	103.668	0.000	0.000006	0.000	84.356	mg/L
	Tl	205	224.672	0.000	0.000005	0.000	87.239	mg/L
	Pb	208	846.358	0.001	0.000013	0.000	3.232	mg/L
>	Bi	209	329832.586	329832.586				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	99.845
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.153
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	96.292
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.691

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	382645.634	382646.634		mg/L
Be	9	5.000	0.000	0.000000	mg/L
V	51	7362.519	0.001	0.000014	mg/L
Cr	52	22583.813	0.007	0.000187	mg/L
Cr	53	6870.900	0.004	0.000936	mg/L
Co	59	244.008	0.000	0.000008	mg/L
Cu	63	2798.486	0.008	0.000274	mg/L
Cu	65	1333.120	0.003	0.000285	mg/L
Zn	66	5226.881	0.011	0.001808	mg/L
Zn	68	4803.432	0.006	0.001325	mg/L
Ge	72	431874.484	431874.484		mg/L
As	75	1588.779	0.000	0.000000	mg/L
Se	77	503.020	0.001	0.000879	mg/L
Se	82	19.679	-0.000	-0.000204	mg/L
Rh	103	287538.384	287538.384		mg/L
Ag	107	352.011	0.001	0.000022	mg/L
Cd	111	70.142	0.000	0.000015	mg/L
Cd	114	2362.129	0.006	0.000276	mg/L
Tl	203	163.003	0.000	0.000011	mg/L
Tl	205	352.011	0.001	0.000010	mg/L
Pb	206	864.028	0.002	0.000014	mg/L
Bi	209	329886.180	329886.180		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	355978.737	355978.737		mg/L
Be	9	10.000	0.000	0.000013	mg/L
V	51	8873.170	-0.001	-0.000021	mg/L
Cr	52	22340.128	0.007	0.000176	mg/L
Cr	53	6860.867	0.004	0.000898	mg/L
Co	59	246.008	0.000	0.000008	mg/L
Cu	63	2791.486	0.008	0.000274	mg/L
Cu	65	1444.140	0.003	0.000293	mg/L
Zn	66	5211.681	0.011	0.001806	mg/L
Zn	68	4842.456	0.007	0.001351	mg/L
Ge	72	430409.519	430409.519		mg/L
As	75	1408.505	-0.000	-0.000053	mg/L
Se	77	524.022	0.001	0.000882	mg/L
Se	82	62.514	-0.000	-0.000080	mg/L
Rh	103	286982.647	286982.647		mg/L
Ag	107	268.007	0.001	0.000018	mg/L
Cd	111	111.888	0.000	0.000028	mg/L
Cd	114	2496.816	0.008	0.000293	mg/L
Tl	203	84.001	0.000	0.000008	mg/L
Tl	205	197.004	0.000	0.000004	mg/L
Pb	206	826.024	0.001	0.000013	mg/L
Bi	209	329821.500	329821.500		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	363713.287	363713.287		mg/L
Be	9	6.000	0.000	0.000003	mg/L
V	51	8850.952	-0.001	-0.000028	mg/L
Cr	52	22418.338	0.008	0.000158	mg/L
Cr	53	6815.836	0.004	0.000911	mg/L
Co	59	227.006	0.000	0.000007	mg/L
Cu	63	2680.527	0.008	0.000279	mg/L
Cu	65	1467.144	0.003	0.000292	mg/L
Zn	66	5161.850	0.011	0.001754	mg/L
Zn	68	5036.573	0.007	0.001408	mg/L
Ge	72	437831.529	437831.529		mg/L
As	75	1474.127	-0.000	-0.000040	mg/L
Se	77	496.029	0.001	0.000828	mg/L
Se	82	85.258	-0.000	-0.000034	mg/L
Rh	103	285913.884	285913.884		mg/L
Ag	107	266.007	0.001	0.000018	mg/L
Cd	111	34.640	0.000	0.000008	mg/L
Cd	114	2361.319	0.008	0.000278	mg/L
Tl	203	54.001	0.000	0.000001	mg/L
Tl	205	125.002	0.000	0.000001	mg/L
Pb	206	849.025	0.001	0.000013	mg/L
Bi	209	332711.088	332711.088		mg/L

Sample Information

Sample ID: 0B02020-IFB1
Autosampler Position: 11
Sample Date/Time: Tuesday, February 02, 2010 13:14:04
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\0B02020-IFB1.014
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	386633.804	386633.804				mg/L
⌊	Be	9	8147.730	0.021	0.018275	0.000	1.901	mg/L
⌈	V	51	382188.898	0.838	0.019234	0.000	1.560	mg/L
|	Cr	52	341692.546	0.719	0.018954	0.000	1.861	mg/L
|	Cr	53	45236.239	0.089	0.019998	0.001	3.251	mg/L
|	Co	59	357527.230	0.799	0.018914	0.000	1.836	mg/L
|	Cu	63	172371.310	0.385	0.018701	0.000	1.023	mg/L
|	Cu	65	82387.182	0.184	0.018710	0.000	0.498	mg/L
|	Zn	66	55383.403	0.123	0.020151	0.000	0.684	mg/L
|	Zn	68	44814.316	0.096	0.019524	0.000	0.510	mg/L
| >	Ge	72	447220.540	447220.540				mg/L
|	As	75	71408.352	0.156	0.018925	0.001	3.695	mg/L
|	Se	77	5838.770	0.012	0.019673	0.000	2.278	mg/L
⌊	Se	82	7284.986	0.016	0.018336	0.001	4.465	mg/L
⌈>	Rh	103	287600.269	287600.269				mg/L
|	Ag	107	294234.938	1.023	0.019223	0.001	2.747	mg/L
|	Cd	111	69888.468	0.243	0.018928	0.000	1.316	mg/L
⌊	Cd	114	162999.490	0.567	0.019171	0.000	1.257	mg/L
⌈	Tl	203	215952.621	0.651	0.019018	0.000	1.156	mg/L
|	Tl	205	511671.481	1.543	0.018956	0.000	0.450	mg/L
|	Pb	208	687598.551	2.073	0.018813	0.000	1.846	mg/L
⌊>	Bi	209	331571.746	331571.746				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	105.058
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
| >	Ge	71.922	103.370
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	96.590
|	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

101.222

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	398031.925	398031.925		mg/L
Be	9	8334.249	0.021	0.018243	mg/L
V	51	380718.712	0.852	0.018538	mg/L
Cr	52	341881.357	0.734	0.019357	mg/L
Cr	53	45388.731	0.093	0.020512	mg/L
Co	59	354821.014	0.809	0.019141	mg/L
Cu	63	168358.331	0.383	0.018825	mg/L
Cu	65	81141.934	0.185	0.018780	mg/L
Zn	66	54057.304	0.122	0.020086	mg/L
Zn	68	44183.281	0.099	0.019832	mg/L
Ge	72	438580.009	438580.009		mg/L
As	75	72976.914	0.163	0.019732	mg/L
Se	77	5857.116	0.013	0.020142	mg/L
Se	82	7454.982	0.017	0.019132	mg/L
Rh	103	288201.501	288201.501		mg/L
Ag	107	286533.851	0.891	0.018816	mg/L
Cd	111	99219.227	0.230	0.018843	mg/L
Cd	114	161845.883	0.556	0.018808	mg/L
Tl	203	213830.776	0.845	0.018844	mg/L
Tl	205	508883.784	1.536	0.018871	mg/L
Pb	208	672475.986	2.029	0.018412	mg/L
Bi	209	331332.737	331332.737		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	372358.956	372358.956		mg/L
Be	9	8004.923	0.021	0.018837	mg/L
V	51	361298.287	0.838	0.018228	mg/L
Cr	52	338470.228	0.713	0.018801	mg/L
Cr	53	45982.837	0.099	0.020214	mg/L
Co	59	360138.829	0.807	0.019086	mg/L
Cu	63	174025.028	0.388	0.018919	mg/L
Cu	65	81771.045	0.183	0.018807	mg/L
Zn	66	55083.084	0.122	0.020087	mg/L
Zn	68	44532.114	0.098	0.019438	mg/L
Ge	72	446309.181	446309.181		mg/L
As	75	69804.767	0.153	0.018548	mg/L
Se	77	5708.011	0.012	0.019249	mg/L
Se	82	7291.165	0.016	0.018378	mg/L
Rh	103	285813.881	285813.881		mg/L
Ag	107	297376.880	1.041	0.019582	mg/L
Cd	111	89830.888	0.244	0.019044	mg/L
Cd	114	162378.983	0.568	0.019230	mg/L
Tl	203	216302.373	0.848	0.018844	mg/L
Tl	205	514488.891	1.543	0.018857	mg/L
Pb	208	696324.080	2.087	0.019030	mg/L
Bi	209	333367.312	333367.312		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	391909.529	391909.529		mg/L
Be	9	8104.020	0.021	0.017944	mg/L
V	51	384548.718	0.828	0.018838	mg/L
Cr	52	344728.052	0.709	0.018704	mg/L
Cr	53	44728.151	0.088	0.019287	mg/L
Co	59	357521.748	0.783	0.018514	mg/L
Cu	63	174730.570	0.382	0.018580	mg/L
Cu	65	84248.588	0.184	0.018733	mg/L
Zn	66	56998.843	0.124	0.020309	mg/L
Zn	68	45727.573	0.096	0.019504	mg/L
Ge	72	456782.450	456782.450		mg/L
As	75	71343.377	0.152	0.018486	mg/L
Se	77	5851.184	0.012	0.019828	mg/L
Se	82	7108.812	0.015	0.017496	mg/L
Rh	103	287985.445	287985.445		mg/L
Ag	107	298784.275	1.037	0.019483	mg/L
Cd	111	70815.278	0.245	0.019089	mg/L
Cd	114	164973.594	0.573	0.019376	mg/L
Tl	203	217724.718	0.880	0.019295	mg/L
Tl	205	511520.887	1.550	0.019041	mg/L
Pb	208	690865.569	2.083	0.018998	mg/L
Bi	209	329986.190	329986.190		mg/L

: 00506

Sample Information

Sample ID: 0B02020-CCV 2
Autosampler Position: 2
Sample Date/Time: Tuesday, February 02, 2010 13:17:27
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\0B02020-CCV.015
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	379451.662	379451.662				mg/L
	Be	9	16491.142	0.044	0.037737	0.002	4.534	mg/L
	V	51	778777.916	1.732	0.039737	0.001	2.176	mg/L
	Cr	52	674556.324	1.469	0.038734	0.001	2.604	mg/L
	Cr	53	82154.804	0.173	0.038605	0.000	0.891	mg/L
	Co	59	736246.273	1.653	0.039098	0.000	0.834	mg/L
	Cu	63	351843.870	0.789	0.038370	0.001	2.321	mg/L
	Cu	65	170407.048	0.382	0.038908	0.001	1.505	mg/L
	Zn	66	106204.239	0.237	0.038968	0.001	1.577	mg/L
	Zn	68	86841.337	0.190	0.038878	0.000	1.137	mg/L
>	Ge	72	445487.531	445487.531				mg/L
	As	75	144242.190	0.320	0.038827	0.001	2.190	mg/L
	Se	77	10790.425	0.024	0.037321	0.001	2.780	mg/L
	Se	82	14844.780	0.033	0.037759	0.001	2.115	mg/L
>	Rh	103	300854.423	300854.423				mg/L
	Ag	107	624065.376	2.074	0.038978	0.001	1.711	mg/L
	Cd	111	146682.445	0.488	0.037983	0.000	1.039	mg/L
	Cd	114	336844.936	1.120	0.037879	0.001	2.112	mg/L
	Tl	203	444626.638	1.319	0.038507	0.000	0.905	mg/L
	Tl	205	1062209.679	3.150	0.038701	0.001	1.338	mg/L
	Pb	208	1424595.484	4.224	0.038339	0.000	0.938	mg/L
>	Bi	209	337183.961	337183.961				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	103.107
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.969
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.042
	Ag	106.905	

: 00507

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

102.935

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	402784.423	402784.423		mg/L
Be	9	16756.000	0.043	0.038080	mg/L
V	51	766807.214	1.704	0.039101	mg/L
Cr	52	667988.008	1.450	0.038224	mg/L
Cr	53	81665.189	0.172	0.036397	mg/L
Co	59	732834.853	1.640	0.038810	mg/L
Cu	63	346283.899	0.774	0.037883	mg/L
Cu	65	170488.588	0.381	0.038811	mg/L
Zn	66	105022.886	0.234	0.038425	mg/L
Zn	68	86800.582	0.190	0.036749	mg/L
Ge	72	448887.856	448887.856		mg/L
As	75	148547.406	0.324	0.038343	mg/L
Se	77	10536.788	0.023	0.036322	mg/L
Se	82	14829.214	0.033	0.037811	mg/L
Rh	103	303840.871	303840.871		mg/L
Ag	107	617979.845	2.034	0.038214	mg/L
Cd	111	149988.388	0.483	0.037854	mg/L
Cd	114	333286.040	1.097	0.037105	mg/L
Tl	203	447083.588	1.326	0.036778	mg/L
Tl	205	1044984.778	3.103	0.038130	mg/L
Pb	208	1407585.176	4.180	0.037837	mg/L
Bi	209	336867.115	336867.115		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	368458.012	368458.012		mg/L
Be	9	16782.049	0.046	0.038487	mg/L
V	51	787841.569	1.775	0.040722	mg/L
Cr	52	685654.588	1.513	0.038886	mg/L
Cr	53	81886.257	0.174	0.038887	mg/L
Co	59	733579.076	1.669	0.038452	mg/L
Cu	63	356476.351	0.810	0.038367	mg/L
Cu	65	170867.075	0.386	0.038534	mg/L
Zn	66	106880.305	0.241	0.039835	mg/L
Zn	68	86812.707	0.193	0.038370	mg/L
Ge	72	439887.788	439887.788		mg/L
As	75	144129.416	0.324	0.038293	mg/L
Se	77	10894.305	0.024	0.036383	mg/L
Se	82	14982.325	0.034	0.038821	mg/L
Rh	103	298225.856	298225.856		mg/L
Ag	107	621914.878	2.089	0.038448	mg/L
Cd	111	148102.509	0.483	0.038421	mg/L
Cd	114	336836.717	1.144	0.036703	mg/L
Tl	203	438804.871	1.308	0.036114	mg/L
Tl	205	1073782.279	3.186	0.039139	mg/L
Pb	208	1434813.423	4.256	0.036631	mg/L
Bi	209	337043.043	337043.043		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	367134.552	367134.552		mg/L
Be	9	15833.377	0.043	0.037634	mg/L
V	51	779784.984	1.717	0.038369	mg/L
Cr	52	670248.370	1.446	0.038082	mg/L
Cr	53	82683.888	0.173	0.038480	mg/L
Co	59	742325.091	1.650	0.038032	mg/L
Cu	63	352791.384	0.783	0.038089	mg/L
Cu	65	169787.504	0.377	0.038378	mg/L
Zn	66	106929.727	0.237	0.038845	mg/L
Zn	68	86910.722	0.189	0.038515	mg/L
Ge	72	449807.137	449807.137		mg/L
As	75	142048.748	0.312	0.037848	mg/L
Se	77	10878.204	0.024	0.037247	mg/L
Se	82	14712.801	0.032	0.037045	mg/L
Rh	103	302486.343	302486.343		mg/L
Ag	107	632301.804	2.080	0.039274	mg/L
Cd	111	147078.414	0.488	0.037879	mg/L
Cd	114	338303.052	1.118	0.037830	mg/L
Tl	203	446881.857	1.323	0.038629	mg/L
Tl	205	1067881.880	3.161	0.038833	mg/L
Pb	208	1431387.851	4.236	0.038449	mg/L
Bi	209	337822.727	337822.727		mg/L

Sample Information

Sample ID: 0B02020-CCB

Autosampler Position: 1
Sample Date/Time: Tuesday, February 02, 2010 13:20:49
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\0B02020-CCB.016
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	366420.765	366420.765				mg/L
	Be	9	8.667	0.000	0.000009	0.000	80.101	mg/L
	V	51	6326.062	-0.002	-0.000041	0.000	23.970	mg/L
	Cr	52	19171.889	-0.001	-0.000023	0.000	82.310	mg/L
	Cr	53	5092.940	0.000	0.000013	0.000	140.051	mg/L
	Co	59	147.003	0.000	0.000003	0.000	50.411	mg/L
	Cu	63	411.681	0.000	0.000005	0.000	10.104	mg/L
	Cu	65	239.673	0.000	0.000007	0.000	39.813	mg/L
	Zn	66	497.687	0.000	0.000007	0.000	239.741	mg/L
	Zn	68	1975.921	-0.000	-0.000013	0.000	31.028	mg/L
>	Ge	72	432104.122	432104.122				mg/L
	As	75	1521.587	-0.000	-0.000022	0.000	124.448	mg/L
	Se	77	287.008	0.000	0.000088	0.000	89.966	mg/L
	Se	82	127.652	0.000	0.000081	0.000	206.952	mg/L
>	Rh	103	294582.215	294582.215				mg/L
	Ag	107	414.348	0.001	0.000025	0.000	24.328	mg/L
	Cd	111	20.575	0.000	0.000001	0.000	62.584	mg/L
	Cd	114	42.029	0.000	0.000003	0.000	84.907	mg/L
	Tl	203	94.002	0.000	0.000005	0.000	56.230	mg/L
	Tl	205	206.338	0.000	0.000004	0.000	31.691	mg/L
	Pb	208	555.679	0.001	0.000006	0.000	37.565	mg/L
>	Bi	209	324811.733	324811.733				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	99.566
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.876
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.935
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.158

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	387048.161	387048.161		mg/L
Be	9	12.006	0.000	0.000016	mg/L
V	51	6364.127	-0.002	-0.000041	mg/L
Cr	52	18861.783	-0.002	-0.000041	mg/L
Cr	53	5102.813	0.000	0.000004	mg/L
Co	59	177.004	0.000	0.000004	mg/L
Cu	63	419.015	0.000	0.000008	mg/L
Cu	65	235.008	0.000	0.000008	mg/L
Zn	66	471.018	-0.000	-0.000008	mg/L
Zn	68	1984.256	-0.000	-0.000014	mg/L
Ge	72	434475.624	434475.624		mg/L
As	75	1622.448	0.000	0.000004	mg/L
Se	77	269.007	0.000	0.000017	mg/L
Se	82	180.933	0.000	0.000245	mg/L
Rh	103	294852.488	294852.488		mg/L
Ag	107	518.021	0.002	0.000002	mg/L
Cd	111	22.775	0.000	0.000002	mg/L
Cd	114	67.712	0.000	0.000008	mg/L
Tl	203	125.002	0.000	0.000008	mg/L
Tl	205	241.006	0.000	0.000008	mg/L
Pb	208	626.015	0.001	0.000008	mg/L
Bi	209	320814.854	320814.854		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	356850.574	356850.574		mg/L
Be	9	9.000	0.000	0.000011	mg/L
V	51	6463.778	-0.001	-0.000031	mg/L
Cr	52	19058.980	-0.001	-0.000024	mg/L
Cr	53	5047.579	0.000	0.000001	mg/L
Co	59	131.002	0.000	0.000002	mg/L
Cu	63	407.014	0.000	0.000005	mg/L
Cu	65	253.008	0.000	0.000011	mg/L
Zn	66	543.023	0.000	0.000025	mg/L
Zn	68	1976.254	-0.000	-0.000008	mg/L
Ge	72	430127.501	430127.501		mg/L
As	75	1523.357	-0.000	-0.000018	mg/L
Se	77	282.006	0.000	0.000074	mg/L
Se	82	126.883	0.000	0.000085	mg/L
Rh	103	295298.900	295298.900		mg/L
Ag	107	396.013	0.001	0.000024	mg/L
Cd	111	21.987	0.000	0.000002	mg/L
Cd	114	33.846	0.000	0.000002	mg/L
Tl	203	84.001	0.000	0.000008	mg/L
Tl	205	208.008	0.000	0.000004	mg/L
Pb	208	557.013	0.001	0.000008	mg/L
Bi	209	329818.882	329818.882		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	355583.580	355583.580		mg/L
Be	9	5.000	0.000	0.000001	mg/L
V	51	6140.283	-0.002	-0.000080	mg/L
Cr	52	18474.824	-0.000	-0.000003	mg/L
Cr	53	5128.629	0.000	0.000034	mg/L
Co	59	133.002	0.000	0.000002	mg/L
Cu	63	408.014	0.000	0.000008	mg/L
Cu	65	231.008	0.000	0.000008	mg/L
Zn	66	479.018	-0.000	-0.000000	mg/L
Zn	68	1967.252	-0.000	-0.000018	mg/L
Ge	72	431708.242	431708.242		mg/L
As	75	1418.854	-0.000	-0.000050	mg/L
Se	77	310.008	0.000	0.000173	mg/L
Se	82	63.491	-0.000	-0.000088	mg/L
Rh	103	293585.248	293585.248		mg/L
Ag	107	327.010	0.001	0.000020	mg/L
Cd	111	16.982	0.000	0.000000	mg/L
Cd	114	24.530	0.000	0.000001	mg/L
Tl	203	63.001	0.000	0.000002	mg/L
Tl	205	170.003	0.000	0.000003	mg/L
Pb	208	462.010	0.000	0.000004	mg/L
Bi	209	324101.463	324101.463		mg/L

Sample Information

Sample ID: 1000788-BLK1
Autosampler Position: 17
Sample Date/Time: Tuesday, February 02, 2010 13:24:13
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1000788-BLK1.017
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	376171.335	376171.335				mg/L
	Be	9	5.333	0.000	0.000001	0.000	547.983	mg/L
	V	51	7169.155	0.000	0.000002	0.000	556.901	mg/L
	Cr	52	20299.231	0.002	0.000040	0.000	61.721	mg/L
	Cr	53	4839.454	-0.001	-0.000130	0.000	67.283	mg/L
	Co	59	95.668	-0.000	-0.000000	0.000	785.831	mg/L
	Cu	63	1252.773	0.002	0.000099	0.000	4.844	mg/L
	Cu	65	621.696	0.001	0.000097	0.000	5.878	mg/L
	Zn	66	2195.978	0.004	0.000648	0.000	2.511	mg/L
	Zn	68	3293.350	0.003	0.000602	0.000	0.898	mg/L
>	Ge	72	434290.433	434290.433				mg/L
	As	75	1526.978	-0.000	-0.000022	0.000	240.833	mg/L
	Se	77	288.675	0.000	0.000089	0.000	82.765	mg/L
	Se	82	79.034	-0.000	-0.000048	0.000	184.061	mg/L
>	Rh	103	298307.036	298307.036				mg/L
	Ag	107	143.003	0.000	0.000008	0.000	9.600	mg/L
	Cd	111	7.994	-0.000	-0.000002	0.000	91.189	mg/L
	Cd	114	8.029	-0.000	-0.000001	0.000	165.816	mg/L
	Tl	203	57.334	0.000	0.000002	0.000	30.536	mg/L
	Tl	205	123.002	0.000	0.000001	0.000	59.854	mg/L
	Pb	208	1073.705	0.002	0.000019	0.000	4.735	mg/L
>	Bi	209	336254.465	336254.465				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	102.215
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.381
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.186
	Ag	106.905	

: 00511

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

102.651

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	380539.588	380539.588		mg/L
Be	9	7.000	0.000	0.000006	mg/L
V	51	6924.362	-0.007	-0.000008	mg/L
Cr	52	20208.676	0.002	0.000048	mg/L
Cr	53	4839.513	-0.000	-0.000049	mg/L
Co	59	102.002	0.000	0.000000	mg/L
Cu	63	1286.112	0.002	0.000104	mg/L
Cu	65	632.030	0.001	0.000101	mg/L
Zn	66	2151.289	0.004	0.000841	mg/L
Zn	68	3267.973	0.003	0.000808	mg/L
Ge	72	429179.438	429179.438		mg/L
As	75	1726.534	0.000	0.000039	mg/L
Se	77	278.007	0.000	0.000054	mg/L
Se	82	83.839	-0.000	-0.000029	mg/L
Rh	103	300113.444	300113.444		mg/L
Ag	107	157.003	0.000	0.000009	mg/L
Cd	111	8.832	-0.000	-0.000002	mg/L
Cd	114	5.380	-0.000	-0.000001	mg/L
Tl	203	93.001	0.000	0.000002	mg/L
Tl	205	145.003	0.000	0.000002	mg/L
Pb	206	1080.037	0.002	0.000018	mg/L
Bi	209	340863.915	340863.915		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	375802.783	375802.783		mg/L
Be	9	7.000	0.000	0.000005	mg/L
V	51	7376.846	0.001	0.000016	mg/L
Cr	52	20466.353	0.002	0.000059	mg/L
Cr	53	4833.450	-0.001	-0.000119	mg/L
Co	59	102.002	0.000	0.000000	mg/L
Cu	63	1234.104	0.002	0.000099	mg/L
Cu	65	628.030	0.001	0.000099	mg/L
Zn	66	2151.289	0.004	0.000838	mg/L
Zn	68	3267.973	0.003	0.000800	mg/L
Ge	72	431542.969	431842.969		mg/L
As	75	1428.383	-0.000	-0.000047	mg/L
Se	77	310.009	0.000	0.000173	mg/L
Se	82	108.004	0.000	0.000032	mg/L
Rh	103	297089.919	297089.919		mg/L
Ag	107	139.003	0.000	0.000008	mg/L
Cd	111	1.534	-0.000	-0.000004	mg/L
Cd	114	21.438	0.000	0.000001	mg/L
Tl	203	51.001	0.000	0.000001	mg/L
Tl	205	110.002	0.000	0.000001	mg/L
Pb	206	1081.038	0.002	0.000019	mg/L
Bi	209	334881.787	334881.787		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	362371.693	362371.693		mg/L
Be	9	2.000	-0.000	-0.000006	mg/L
V	51	7208.137	-0.000	-0.000003	mg/L
Cr	52	20203.883	0.000	0.000012	mg/L
Cr	53	4745.398	-0.001	-0.000223	mg/L
Co	59	63.001	-0.000	-0.000001	mg/L
Cu	63	1239.105	0.002	0.000095	mg/L
Cu	65	605.028	0.001	0.000080	mg/L
Zn	66	2285.336	0.004	0.000888	mg/L
Zn	68	3344.705	0.003	0.000898	mg/L
Ge	72	442148.911	442148.911		mg/L
As	75	1426.005	-0.000	-0.000058	mg/L
Se	77	280.008	0.000	0.000038	mg/L
Se	82	44.261	-0.000	-0.000142	mg/L
Rh	103	297717.745	297717.745		mg/L
Ag	107	133.002	0.000	0.000007	mg/L
Cd	111	15.616	-0.000	-0.000000	mg/L
Cd	114	-2.743	-0.000	-0.000002	mg/L
Tl	203	58.001	0.000	0.000002	mg/L
Tl	205	114.002	0.000	0.000001	mg/L
Pb	206	1100.038	0.002	0.000020	mg/L
Bi	209	332807.884	332807.884		mg/L

: 00512

Sample Information

Sample ID: 1000788-BS1
Autosampler Position: 18
Sample Date/Time: Tuesday, February 02, 2010 13:27:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1000788-BS1.018
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	372390.359	372390.359				mg/L
	Be	9	16630.415	0.045	0.038753	0.001	2.367	mg/L
	V	51	801311.059	1.790	0.041064	0.001	1.260	mg/L
	Cr	52	692898.017	1.517	0.039984	0.001	2.511	mg/L
	Cr	53	84218.959	0.178	0.039814	0.000	1.210	mg/L
	Co	59	745764.575	1.681	0.039765	0.000	0.285	mg/L
	Cu	63	366655.273	0.826	0.040147	0.000	0.895	mg/L
	Cu	65	175518.281	0.395	0.040237	0.000	1.214	mg/L
	Zn	66	103862.282	0.233	0.038260	0.000	0.929	mg/L
	Zn	68	84878.311	0.187	0.038138	0.001	1.969	mg/L
>	Ge	72	443655.729	443655.729				mg/L
	As	75	140898.629	0.314	0.038073	0.001	2.585	mg/L
	Se	77	10716.996	0.024	0.037214	0.001	2.443	mg/L
	Se	82	14610.083	0.033	0.037307	0.000	0.339	mg/L
>	Rh	103	300674.748	300674.748				mg/L
	Ag	107	650466.268	2.163	0.040648	0.000	1.089	mg/L
	Cd	111	146270.035	0.486	0.037898	0.000	1.022	mg/L
	Cd	114	338323.090	1.125	0.038058	0.001	2.155	mg/L
	Tl	203	455313.429	1.336	0.039026	0.000	1.199	mg/L
	Tl	205	1091318.188	3.203	0.039351	0.000	0.748	mg/L
	Pb	208	1459715.245	4.283	0.038879	0.000	1.051	mg/L
>	Bi	209	340722.527	340722.527				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	101.188
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.546
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.981
	Ag	106.905	

: 00513

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

104.015

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	380808.608	380808.608		mg/L
Be	9	16888.483	0.043	0.037711	mg/L
V	51	783783.433	1.764	0.040471	mg/L
Cr	52	679234.108	1.478	0.038870	mg/L
Cr	53	63921.288	0.176	0.038464	mg/L
Co	59	748840.801	1.680	0.038737	mg/L
Cu	63	368140.736	0.818	0.038782	mg/L
Cu	65	173831.088	0.380	0.038874	mg/L
Zn	66	103428.834	0.231	0.037910	mg/L
Zn	68	83435.438	0.182	0.037291	mg/L
Ge	72	445880.048	445880.048		mg/L
As	75	137434.147	0.308	0.038837	mg/L
Se	77	10491.705	0.023	0.038234	mg/L
Se	82	14884.747	0.033	0.037261	mg/L
Rh	103	298234.243	298234.243		mg/L
Ag	107	641828.100	2.167	0.040708	mg/L
Cd	111	144812.782	0.469	0.038080	mg/L
Cd	114	325389.888	1.106	0.037497	mg/L
Tl	203	453733.491	1.318	0.038488	mg/L
Tl	205	1085147.202	3.161	0.038079	mg/L
Pb	206	1457323.828	4.232	0.038412	mg/L
Bi	209	344279.129	344279.129		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	380887.084	380887.084		mg/L
Be	9	16403.292	0.045	0.039439	mg/L
V	51	808349.502	1.805	0.041422	mg/L
Cr	52	707982.688	1.554	0.040877	mg/L
Cr	53	65106.213	0.181	0.040361	mg/L
Co	59	746334.819	1.688	0.038890	mg/L
Cu	63	365888.937	0.828	0.040156	mg/L
Cu	65	176210.298	0.398	0.040491	mg/L
Zn	66	104591.307	0.235	0.038821	mg/L
Zn	68	85354.748	0.188	0.038449	mg/L
Ge	72	442808.281	442808.281		mg/L
As	75	142780.080	0.319	0.038872	mg/L
Se	77	10746.032	0.024	0.037408	mg/L
Se	82	14830.889	0.033	0.037450	mg/L
Rh	103	301887.857	301887.857		mg/L
Ag	107	656884.988	2.185	0.041058	mg/L
Cd	111	147883.501	0.480	0.038189	mg/L
Cd	114	346083.433	1.153	0.038000	mg/L
Tl	203	452754.322	1.345	0.038274	mg/L
Tl	205	1086863.523	3.228	0.038863	mg/L
Pb	206	1453084.408	4.316	0.039189	mg/L
Bi	209	338842.390	338842.390		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	385888.414	385888.414		mg/L
Be	9	16482.499	0.045	0.039108	mg/L
V	51	803780.243	1.800	0.041299	mg/L
Cr	52	691477.257	1.517	0.040004	mg/L
Cr	53	63630.378	0.177	0.039628	mg/L
Co	59	742018.508	1.677	0.039888	mg/L
Cu	63	366826.147	0.833	0.040500	mg/L
Cu	65	176413.491	0.398	0.040547	mg/L
Zn	66	103585.905	0.233	0.038248	mg/L
Zn	68	85844.746	0.189	0.038684	mg/L
Ge	72	442500.878	442500.878		mg/L
As	75	142501.679	0.318	0.038810	mg/L
Se	77	10813.290	0.024	0.038013	mg/L
Se	82	14534.510	0.033	0.037210	mg/L
Rh	103	303802.142	303802.142		mg/L
Ag	107	648677.707	2.136	0.040179	mg/L
Cd	111	146113.813	0.481	0.037453	mg/L
Cd	114	338518.147	1.114	0.037678	mg/L
Tl	203	458462.473	1.348	0.038317	mg/L
Tl	205	1091843.836	3.200	0.038311	mg/L
Pb	206	1469757.400	4.303	0.038097	mg/L
Bi	209	341246.082	341246.082		mg/L

Sample Information

Sample ID: 1001350-01
Autosampler Position: 19
Sample Date/Time: Tuesday, February 02, 2010 13:31:04
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1001350-01.019
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	378242.971	378242.971				mg/L
	Be	9	218.005	0.001	0.000489	0.000	8.763	mg/L
	V	51	571016.933	1.240	0.028448	0.001	2.077	mg/L
	Cr	52	1062604.821	2.293	0.060447	0.002	2.614	mg/L
	Cr	53	127281.748	0.268	0.059988	0.002	3.266	mg/L
	Co	59	191653.860	0.421	0.009972	0.000	2.633	mg/L
	Cu	63	532396.170	1.171	0.056922	0.001	2.326	mg/L
	Cu	65	255732.039	0.562	0.057248	0.001	2.391	mg/L
	Zn	66	513960.221	1.130	0.185524	0.005	2.813	mg/L
	Zn	68	419595.733	0.919	0.187648	0.004	1.973	mg/L
>	Ge	72	454594.549	454594.549				mg/L
	As	75	59554.731	0.127	0.015443	0.000	2.376	mg/L
	Se	77	545.023	0.001	0.000932	0.000	9.223	mg/L
	Se	82	260.487	0.000	0.000399	0.000	42.555	mg/L
>	Rh	103	301749.081	301749.081				mg/L
	Ag	107	2747.814	0.009	0.000170	0.000	2.958	mg/L
	Cd	111	2988.987	0.010	0.000768	0.000	3.233	mg/L
	Cd	114	4034.839	0.013	0.000451	0.000	1.196	mg/L
	Tl	203	2055.274	0.006	0.000163	0.000	2.819	mg/L
	Tl	205	4849.126	0.013	0.000162	0.000	1.522	mg/L
	Pb	208	11267806.671	31.306	0.264156	0.005	1.855	mg/L
>	Bi	209	359975.071	359975.071				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	102.778
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	105.074
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.342
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

109.892

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	394470.400	394470.409		mg/L
Be	9	225.005	0.001	0.000484	mg/L
V	51	588377.788	1.257	0.028833	mg/L
Cr	52	1088413.838	2.338	0.061669	mg/L
Cr	53	129359.586	0.278	0.062036	mg/L
Co	59	193877.724	0.433	0.010241	mg/L
Cu	63	534526.877	1.194	0.058078	mg/L
Cu	65	256878.637	0.573	0.056382	mg/L
Zn	66	519986.086	1.162	0.180727	mg/L
Zn	68	420864.476	0.939	0.191268	mg/L
Ge	72	447236.829	447236.829		mg/L
As	75	58083.233	0.128	0.015986	mg/L
Se	77	512.021	0.001	0.000647	mg/L
Se	82	323.302	0.000	0.000566	mg/L
Rh	103	286467.589	286467.589		mg/L
Ag	107	2802.489	0.006	0.000178	mg/L
Cd	111	2986.283	0.010	0.000776	mg/L
Cd	114	4011.019	0.013	0.000453	mg/L
Tl	203	2036.289	0.005	0.000159	mg/L
Tl	205	4974.534	0.013	0.000163	mg/L
Pb	208	11251829.048	30.883	0.278501	mg/L
Bi	209	386700.029	386700.029		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	373028.808	373028.808		mg/L
Be	9	198.004	0.001	0.000449	mg/L
V	51	577111.462	1.253	0.028744	mg/L
Cr	52	1073783.211	2.314	0.061008	mg/L
Cr	53	128962.111	0.288	0.058797	mg/L
Co	59	191514.563	0.421	0.009980	mg/L
Cu	63	535352.133	1.177	0.057212	mg/L
Cu	65	257510.703	0.566	0.057621	mg/L
Zn	66	514301.268	1.130	0.185553	mg/L
Zn	68	420052.466	0.919	0.187778	mg/L
Ge	72	454687.445	454687.445		mg/L
As	75	60884.424	0.130	0.015733	mg/L
Se	77	570.028	0.001	0.001018	mg/L
Se	82	261.882	0.000	0.000401	mg/L
Rh	103	305383.135	305383.135		mg/L
Ag	107	2771.489	0.006	0.000189	mg/L
Cd	111	2916.889	0.009	0.000740	mg/L
Cd	114	4118.238	0.013	0.000464	mg/L
Tl	203	2029.297	0.005	0.000163	mg/L
Tl	205	4634.450	0.013	0.000164	mg/L
Pb	208	11158453.630	31.402	0.285028	mg/L
Bi	209	356329.802	356329.802		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	367229.808	367229.808		mg/L
Be	9	231.008	0.001	0.000535	mg/L
V	51	568661.570	1.210	0.027768	mg/L
Cr	52	1048807.318	2.229	0.058862	mg/L
Cr	53	125523.549	0.260	0.056132	mg/L
Co	59	188788.284	0.411	0.008718	mg/L
Cu	63	527308.788	1.141	0.056478	mg/L
Cu	65	253005.778	0.547	0.056732	mg/L
Zn	66	507814.307	1.088	0.180291	mg/L
Zn	68	417880.237	0.900	0.183863	mg/L
Ge	72	461880.274	461880.274		mg/L
As	75	58648.536	0.124	0.015031	mg/L
Se	77	553.024	0.001	0.000830	mg/L
Se	82	186.288	0.000	0.000229	mg/L
Rh	103	301388.540	301388.540		mg/L
Ag	107	2809.464	0.006	0.000185	mg/L
Cd	111	3084.008	0.010	0.000788	mg/L
Cd	114	3975.283	0.013	0.000444	mg/L
Tl	203	2100.288	0.005	0.000168	mg/L
Tl	205	4738.384	0.013	0.000159	mg/L
Pb	208	11393146.337	31.633	0.288837	mg/L
Bi	209	357886.282	357886.283		mg/L

: 00516

Sample Information

Sample ID: 1001350-02
Autosampler Position: 20
Sample Date/Time: Tuesday, February 02, 2010 13:34:30
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1001350-02.020
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	348983.322	348983.322				mg/L
⌊	Be	9	307.009	0.001	0.000751	0.000	5.927	mg/L
⌈	V	51	688228.246	1.542	0.035381	0.000	0.832	mg/L
|	Cr	52	526387.091	1.147	0.030236	0.000	0.165	mg/L
|	Cr	53	64540.619	0.134	0.030056	0.000	0.987	mg/L
|	Co	59	162278.720	0.367	0.008691	0.000	1.285	mg/L
|	Cu	63	1047019.842	2.371	0.115282	0.002	1.635	mg/L
|	Cu	65	506982.167	1.148	0.116884	0.002	1.710	mg/L
|	Zn	66	880395.290	1.993	0.327254	0.003	1.035	mg/L
|	Zn	68	695158.566	1.570	0.320686	0.003	0.858	mg/L
|>	Ge	72	441552.276	441552.276				mg/L
|	As	75	53365.083	0.117	0.014210	0.000	0.835	mg/L
|	Se	77	502.020	0.001	0.000835	0.000	5.533	mg/L
⌊	Se	82	210.255	0.000	0.000289	0.000	72.647	mg/L
⌈>	Rh	103	286401.947	286401.947				mg/L
|	Ag	107	2324.347	0.008	0.000151	0.000	0.996	mg/L
|	Cd	111	3054.407	0.011	0.000827	0.000	0.973	mg/L
⌊	Cd	114	3694.328	0.013	0.000435	0.000	8.728	mg/L
⌈	Tl	203	2160.635	0.006	0.000189	0.000	1.217	mg/L
|	Tl	205	5094.274	0.015	0.000187	0.000	1.070	mg/L
|	Pb	208	5008890.665	15.243	0.138354	0.002	1.149	mg/L
⌊>	Bi	209	328613.681	328613.681				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.828
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	102.059
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	96.188
|	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.319

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	388787.343	388787.343		mg/L
Be	9	337.019	0.001	0.000782	mg/L
V	51	708253.730	1.557	0.036718	mg/L
Cr	52	535054.834	1.147	0.050228	mg/L
Cr	53	65024.352	0.133	0.029757	mg/L
Co	59	182859.534	0.383	0.008583	mg/L
Cu	63	1056088.944	2.352	0.114363	mg/L
Cu	65	513484.880	1.143	0.116417	mg/L
Zn	66	691535.035	1.985	0.325918	mg/L
Zn	68	700179.803	1.588	0.317887	mg/L
Ge	72	448827.351	448827.351		mg/L
As	75	53809.697	0.118	0.014088	mg/L
Se	77	498.020	0.001	0.000791	mg/L
Se	82	119.184	0.000	0.000047	mg/L
Rh	103	282021.534	282021.534		mg/L
Ag	107	2300.349	0.008	0.000182	mg/L
Cd	111	3035.591	0.011	0.000834	mg/L
Cd	114	3707.028	0.013	0.000443	mg/L
Tl	203	2188.309	0.007	0.000191	mg/L
Tl	205	5080.389	0.018	0.000188	mg/L
Pb	208	4866916.190	15.138	0.137380	mg/L
Bi	209	329440.887	329440.887		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	340288.211	340288.211		mg/L
Be	9	307.009	0.001	0.000772	mg/L
V	51	884719.282	1.533	0.035170	mg/L
Cr	52	526083.403	1.145	0.050180	mg/L
Cr	53	64615.184	0.134	0.030061	mg/L
Co	59	184587.070	0.372	0.008808	mg/L
Cu	63	1036843.717	2.345	0.114043	mg/L
Cu	65	500015.872	1.131	0.115158	mg/L
Zn	66	874488.448	1.978	0.324736	mg/L
Zn	68	700838.681	1.581	0.323052	mg/L
Ge	72	441943.428	441943.428		mg/L
As	75	53838.854	0.118	0.014328	mg/L
Se	77	518.021	0.001	0.000883	mg/L
Se	82	280.947	0.000	0.000417	mg/L
Rh	103	290888.280	290888.280		mg/L
Ag	107	2332.380	0.008	0.000148	mg/L
Cd	111	3068.952	0.011	0.000818	mg/L
Cd	114	3398.279	0.012	0.000393	mg/L
Tl	203	2140.298	0.008	0.000189	mg/L
Tl	205	5092.607	0.018	0.000189	mg/L
Pb	208	5013028.886	15.448	0.140189	mg/L
Bi	209	324554.802	324554.802		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	337916.414	337916.414		mg/L
Be	9	277.007	0.001	0.000700	mg/L
V	51	873711.737	1.537	0.035256	mg/L
Cr	52	518012.848	1.149	0.050289	mg/L
Cr	53	63882.322	0.138	0.030859	mg/L
Co	59	158288.555	0.367	0.008683	mg/L
Cu	63	1048115.884	2.418	0.117451	mg/L
Cu	65	507485.849	1.169	0.118074	mg/L
Zn	66	875184.388	2.016	0.331105	mg/L
Zn	68	684360.144	1.573	0.321339	mg/L
Ge	72	433788.050	433788.050		mg/L
As	75	52448.887	0.117	0.014218	mg/L
Se	77	482.019	0.001	0.000831	mg/L
Se	82	250.633	0.000	0.000403	mg/L
Rh	103	286515.028	286515.028		mg/L
Ag	107	2340.352	0.008	0.000152	mg/L
Cd	111	3056.778	0.011	0.000828	mg/L
Cd	114	3879.679	0.014	0.000488	mg/L
Tl	203	2153.300	0.008	0.000186	mg/L
Tl	205	5109.617	0.018	0.000188	mg/L
Pb	208	5026726.807	15.147	0.137483	mg/L
Bi	209	331845.564	331845.564		mg/L

Sample Information

Sample ID: 1001350-03
Autosampler Position: 21
Sample Date/Time: Tuesday, February 02, 2010 13:37:57
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1001350-03.021
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	329847.607	329847.607				mg/L
	Be	9	188.337	0.001	0.000487	0.000	10.242	mg/L
	V	51	605033.314	1.393	0.031958	0.001	3.965	mg/L
	Cr	52	1923221.667	4.435	0.116927	0.002	1.752	mg/L
	Cr	53	230357.578	0.525	0.117350	0.001	1.241	mg/L
	Co	59	148648.218	0.346	0.008189	0.000	0.607	mg/L
	Cu	63	16856038.614	39.271	1.909637	0.017	0.869	mg/L
	Cu	65	8118805.716	18.916	1.926127	0.016	0.843	mg/L
	Zn	66	2320814.985	5.406	0.887679	0.006	0.655	mg/L
	Zn	68	1838501.306	4.278	0.874015	0.009	1.040	mg/L
>	Ge	72	429219.398	429219.398				mg/L
	As	75	46163.576	0.104	0.012597	0.000	1.194	mg/L
	Se	77	543.023	0.001	0.001038	0.000	6.885	mg/L
	Se	82	217.279	0.000	0.000322	0.000	16.431	mg/L
>	Rh	103	288237.627	288237.627				mg/L
	Ag	107	3828.251	0.013	0.000248	0.000	2.116	mg/L
	Cd	111	17972.233	0.062	0.004853	0.000	1.065	mg/L
	Cd	114	38404.840	0.133	0.004505	0.000	1.117	mg/L
	Tl	203	1707.859	0.005	0.000144	0.000	3.153	mg/L
	Tl	205	4150.075	0.012	0.000147	0.000	3.254	mg/L
	Pb	208	14477475.549	42.831	0.388766	0.007	1.918	mg/L
>	Bi	209	338068.666	338068.666				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	89.628
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.209
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	96.804
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

103.205

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	380003.250	380003.250		mg/L
Be	9	185.004	0.001	0.000436	mg/L
V	51	637358.311	1.453	0.033337	mg/L
Cr	52	1971176.243	4.498	0.116560	mg/L
Cr	53	233760.397	0.527	0.117816	mg/L
Co	59	149467.828	0.344	0.008145	mg/L
Cu	63	17033613.877	38.256	1.908020	mg/L
Cu	65	8166958.100	18.823	1.916998	mg/L
Zn	66	2356817.880	5.430	0.881717	mg/L
Zn	68	1840481.702	4.329	0.884436	mg/L
Ge	72	433674.481	433674.481		mg/L
As	75	48145.244	0.103	0.012451	mg/L
Se	77	537.023	0.001	0.000884	mg/L
Se	82	197.305	0.000	0.000263	mg/L
Rh	103	287750.534	287750.534		mg/L
Ag	107	3750.881	0.013	0.000244	mg/L
Cd	111	17788.374	0.082	0.004611	mg/L
Cd	114	38275.158	0.133	0.004488	mg/L
Tl	203	1718.194	0.005	0.000143	mg/L
Tl	205	4087.033	0.012	0.000142	mg/L
Pb	208	14383873.521	41.862	0.380879	mg/L
Bi	209	343008.288	343008.288		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	320837.710	320837.710		mg/L
Be	9	188.004	0.001	0.000462	mg/L
V	51	569888.772	1.383	0.031729	mg/L
Cr	52	1918188.570	4.480	0.117568	mg/L
Cr	53	230750.393	0.530	0.118518	mg/L
Co	59	148444.864	0.348	0.008243	mg/L
Cu	63	16870542.284	39.618	1.926534	mg/L
Cu	65	8133140.887	19.100	1.944683	mg/L
Zn	66	2309184.480	5.422	0.880308	mg/L
Zn	68	1815240.081	4.258	0.888908	mg/L
Ge	72	425814.192	425814.192		mg/L
As	75	45768.118	0.104	0.012588	mg/L
Se	77	561.024	0.001	0.001120	mg/L
Se	82	231.685	0.000	0.000368	mg/L
Rh	103	288025.808	288025.808		mg/L
Ag	107	3912.958	0.014	0.000254	mg/L
Cd	111	17900.833	0.082	0.004636	mg/L
Cd	114	38434.438	0.135	0.004509	mg/L
Tl	203	1688.183	0.005	0.000141	mg/L
Tl	205	4177.088	0.012	0.000146	mg/L
Pb	208	14517148.147	42.939	0.389722	mg/L
Bi	209	338100.888	338100.888		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	308701.881	308701.881		mg/L
Be	9	194.004	0.001	0.000534	mg/L
V	51	582041.857	1.344	0.030829	mg/L
Cr	52	1980303.188	4.348	0.114635	mg/L
Cr	53	226561.744	0.518	0.115718	mg/L
Co	59	148041.874	0.348	0.008179	mg/L
Cu	63	16963656.562	38.939	1.893359	mg/L
Cu	65	9058318.182	18.824	1.916809	mg/L
Zn	66	2298642.585	5.385	0.861011	mg/L
Zn	68	1819802.157	4.248	0.867889	mg/L
Ge	72	427988.522	427988.522		mg/L
As	75	46577.385	0.105	0.012751	mg/L
Se	77	531.022	0.001	0.000888	mg/L
Se	82	222.847	0.000	0.000338	mg/L
Rh	103	288836.541	288836.541		mg/L
Ag	107	3820.814	0.013	0.000247	mg/L
Cd	111	18229.482	0.083	0.004911	mg/L
Cd	114	38104.827	0.132	0.004459	mg/L
Tl	203	1741.188	0.006	0.000149	mg/L
Tl	205	4206.103	0.012	0.000153	mg/L
Pb	208	14321807.880	43.589	0.395888	mg/L
Bi	209	333097.041	333097.041		mg/L

Sample Information

Sample ID: 1001350-04
Autosampler Position: 22
Sample Date/Time: Tuesday, February 02, 2010 13:41:24
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1001350-04.022
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	321358.918	321358.918				mg/L
	Be	9	287.008	0.001	0.000764	0.000	0.571	mg/L
	V	51	427000.847	1.001	0.022958	0.000	0.518	mg/L
	Cr	52	296390.172	0.661	0.017420	0.000	1.371	mg/L
	Cr	53	37572.889	0.078	0.017385	0.000	1.620	mg/L
	Co	59	115925.924	0.276	0.006528	0.000	0.785	mg/L
	Cu	63	205628.335	0.489	0.023778	0.001	2.177	mg/L
	Cu	65	99238.483	0.236	0.024024	0.001	2.538	mg/L
	Zn	66	167120.289	0.397	0.065190	0.001	2.256	mg/L
	Zn	68	140920.605	0.331	0.067626	0.001	1.386	mg/L
>	Ge	72	419843.592	419843.592				mg/L
	As	75	34819.059	0.079	0.009610	0.000	1.824	mg/L
	Se	77	497.020	0.001	0.000909	0.000	10.993	mg/L
	Se	82	224.613	0.000	0.000354	0.000	27.961	mg/L
>	Rh	103	298232.537	298232.537				mg/L
	Ag	107	1207.099	0.004	0.000075	0.000	1.921	mg/L
	Cd	111	2105.324	0.007	0.000546	0.000	3.524	mg/L
	Cd	114	2334.528	0.008	0.000263	0.000	2.325	mg/L
	Tl	203	1647.179	0.005	0.000142	0.000	2.526	mg/L
	Tl	205	3907.622	0.011	0.000141	0.000	1.652	mg/L
	Pb	208	1436796.677	4.329	0.039296	0.001	2.045	mg/L
>	Bi	209	331828.514	331828.514				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	87.322
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.042
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.161
	Ag	106.905	

00521

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

101.300

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	335513.150	335513.150		mg/L
Be	9	288.008	0.001	0.000762	mg/L
V	51	424822.356	1.008	0.023088	mg/L
Cr	52	297285.001	0.670	0.017674	mg/L
Cr	53	37778.818	0.079	0.017709	mg/L
Ce	59	115888.846	0.278	0.008584	mg/L
Cu	63	208468.083	0.501	0.024381	mg/L
Cu	65	100834.591	0.243	0.024884	mg/L
Zn	66	169646.087	0.407	0.088980	mg/L
Zn	68	141606.410	0.338	0.088983	mg/L
Ge	72	415387.088	415387.088		mg/L
As	75	34646.189	0.080	0.008987	mg/L
Se	77	486.020	0.001	0.000828	mg/L
Se	82	182.420	0.000	0.000245	mg/L
Rh	103	302283.164	302283.164		mg/L
Ag	107	1196.088	0.004	0.000073	mg/L
Cd	111	2101.883	0.007	0.000536	mg/L
Cd	114	2344.443	0.008	0.000281	mg/L
Tl	203	1658.182	0.005	0.000141	mg/L
Tl	205	3803.853	0.011	0.000140	mg/L
Pb	208	1415328.048	4.231	0.038408	mg/L
Bi	209	334411.144	334411.144		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	314854.821	314854.821		mg/L
Be	9	283.008	0.001	0.000769	mg/L
V	51	429759.054	1.003	0.022933	mg/L
Cr	52	298085.953	0.659	0.017388	mg/L
Cr	53	37501.567	0.077	0.017197	mg/L
Ce	59	116579.832	0.279	0.008618	mg/L
Cu	63	203873.947	0.481	0.023373	mg/L
Cu	65	97829.863	0.231	0.023502	mg/L
Zn	66	165659.890	0.391	0.084204	mg/L
Zn	68	140568.854	0.328	0.088834	mg/L
Ge	72	422893.636	422893.636		mg/L
As	75	34386.822	0.078	0.008414	mg/L
Se	77	525.022	0.001	0.001000	mg/L
Se	82	235.148	0.000	0.000378	mg/L
Rh	103	297450.447	297450.447		mg/L
Ag	107	1223.102	0.004	0.000078	mg/L
Cd	111	2048.184	0.007	0.000532	mg/L
Cd	114	2288.235	0.008	0.000259	mg/L
Tl	203	1609.171	0.005	0.000139	mg/L
Tl	205	3863.882	0.012	0.000144	mg/L
Pb	208	1448330.110	4.354	0.039516	mg/L
Bi	209	332138.823	332138.823		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	313708.781	313708.781		mg/L
Be	9	279.007	0.001	0.000760	mg/L
V	51	426421.130	0.996	0.022854	mg/L
Cr	52	283619.984	0.652	0.017200	mg/L
Cr	53	37436.283	0.077	0.017250	mg/L
Ce	59	115510.193	0.274	0.008484	mg/L
Cu	63	204756.988	0.486	0.023600	mg/L
Cu	65	98850.984	0.234	0.023676	mg/L
Zn	66	165654.880	0.393	0.084484	mg/L
Zn	68	140598.549	0.329	0.087252	mg/L
Ge	72	421149.854	421149.854		mg/L
As	75	35415.385	0.080	0.008750	mg/L
Se	77	470.018	0.001	0.000802	mg/L
Se	82	256.274	0.000	0.000436	mg/L
Rh	103	294853.899	294853.899		mg/L
Ag	107	1200.086	0.004	0.000076	mg/L
Cd	111	2165.804	0.007	0.000565	mg/L
Cd	114	2389.807	0.008	0.000270	mg/L
Tl	203	1674.188	0.005	0.000145	mg/L
Tl	205	3834.921	0.011	0.000140	mg/L
Pb	208	1448733.878	4.403	0.039897	mg/L
Bi	209	328837.573	328837.573		mg/L

Sample Information

Sample ID: 1001350-05
Autosampler Position: 23
Sample Date/Time: Tuesday, February 02, 2010 13:44:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1001350-05.023
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	334358.165	334358.165				mg/L
	Be	9	840.384	0.003	0.002170	0.000	5.887	mg/L
	V	51	363289.891	0.820	0.018823	0.000	2.650	mg/L
	Cr	52	230092.269	0.485	0.012782	0.000	0.988	mg/L
	Cr	53	27252.431	0.051	0.011413	0.000	1.442	mg/L
	Co	59	98770.931	0.227	0.005378	0.000	1.164	mg/L
	Cu	63	182474.493	0.420	0.020400	0.000	1.201	mg/L
	Cu	65	88193.890	0.203	0.020640	0.000	1.842	mg/L
	Zn	66	27497.234	0.062	0.010219	0.000	0.211	mg/L
	Zn	68	32768.294	0.071	0.014474	0.000	0.281	mg/L
>	Ge	72	434074.025	434074.025				mg/L
	As	75	69610.916	0.157	0.019001	0.000	1.346	mg/L
	Se	77	1916.240	0.004	0.006016	0.000	5.845	mg/L
	Se	82	2283.492	0.005	0.005745	0.000	1.477	mg/L
>	Rh	103	307936.416	307936.416				mg/L
	Ag	107	1064.079	0.003	0.000064	0.000	3.169	mg/L
	Cd	111	1146.213	0.004	0.000286	0.000	7.705	mg/L
	Cd	114	391.748	0.001	0.000041	0.000	3.385	mg/L
	Tl	203	6667.734	0.019	0.000547	0.000	1.982	mg/L
	Tl	205	15843.873	0.044	0.000546	0.000	1.360	mg/L
	Pb	208	467588.294	1.320	0.011978	0.000	1.497	mg/L
>	Bi	209	354059.277	354059.277				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	90.854
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.331
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	103.420
	Ag	106.905	

00523

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

108.087

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	350086.127	350086.127		mg/L
Be	9	870.054	0.002	0.002146	mg/L
V	51	365423.238	0.824	0.016803	mg/L
Cr	52	230780.202	0.485	0.012798	mg/L
Cr	53	27545.728	0.052	0.011536	mg/L
Co	59	100147.168	0.230	0.005443	mg/L
Cu	63	184800.818	0.424	0.020831	mg/L
Cu	65	90148.894	0.207	0.021058	mg/L
Zn	66	27503.567	0.063	0.010201	mg/L
Zn	68	32754.572	0.071	0.014436	mg/L
Ge	72	434824.140	434824.140		mg/L
As	75	70721.819	0.159	0.019273	mg/L
Se	77	1686.232	0.004	0.005688	mg/L
Se	82	2271.424	0.005	0.005701	mg/L
Rh	103	307088.787	307088.787		mg/L
Ag	107	1088.083	0.004	0.000089	mg/L
Cd	111	1056.563	0.003	0.000284	mg/L
Cd	114	402.084	0.001	0.000043	mg/L
Tl	203	6557.648	0.018	0.000535	mg/L
Tl	205	15886.304	0.044	0.000548	mg/L
Pb	208	481372.401	1.297	0.011771	mg/L
Bi	209	355471.785	355471.785		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	324884.110	324884.110		mg/L
Be	9	888.054	0.003	0.002308	mg/L
V	51	350887.987	0.787	0.016291	mg/L
Cr	52	230816.788	0.488	0.012901	mg/L
Cr	53	27207.818	0.051	0.011477	mg/L
Co	59	98084.954	0.227	0.005376	mg/L
Cu	63	181575.880	0.420	0.020428	mg/L
Cu	65	87281.381	0.202	0.020548	mg/L
Zn	66	27310.953	0.062	0.010213	mg/L
Zn	68	32658.194	0.071	0.014516	mg/L
Ge	72	431386.134	431386.134		mg/L
As	75	68341.374	0.155	0.018798	mg/L
Se	77	2013.283	0.004	0.008413	mg/L
Se	82	2308.483	0.005	0.005842	mg/L
Rh	103	308777.707	308777.707		mg/L
Ag	107	1038.075	0.003	0.000082	mg/L
Cd	111	1227.941	0.004	0.000308	mg/L
Cd	114	378.618	0.001	0.000040	mg/L
Tl	203	6839.710	0.019	0.000547	mg/L
Tl	205	15871.490	0.045	0.000554	mg/L
Pb	208	468572.148	1.330	0.012073	mg/L
Bi	209	352010.347	352010.347		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	328018.257	328018.257		mg/L
Be	9	782.045	0.002	0.002057	mg/L
V	51	373458.470	0.840	0.016278	mg/L
Cr	52	228879.837	0.480	0.012850	mg/L
Cr	53	27003.862	0.050	0.011228	mg/L
Co	59	98070.671	0.226	0.005318	mg/L
Cu	63	180947.204	0.414	0.020144	mg/L
Cu	65	87170.418	0.198	0.020314	mg/L
Zn	66	27677.182	0.062	0.010243	mg/L
Zn	68	32882.114	0.071	0.014487	mg/L
Ge	72	435811.801	435811.801		mg/L
As	75	69788.756	0.156	0.018864	mg/L
Se	77	1850.224	0.004	0.005746	mg/L
Se	82	2272.589	0.005	0.005691	mg/L
Rh	103	308944.756	308944.756		mg/L
Ag	107	1055.077	0.003	0.000083	mg/L
Cd	111	1155.144	0.004	0.000288	mg/L
Cd	114	396.562	0.001	0.000042	mg/L
Tl	203	6805.846	0.019	0.000557	mg/L
Tl	205	15884.886	0.044	0.000539	mg/L
Pb	208	472820.339	1.332	0.012080	mg/L
Bi	208	354886.716	354886.716		mg/L

Sample Information

Sample ID: 1001350-06
Autosampler Position: 24
Sample Date/Time: Tuesday, February 02, 2010 13:48:16
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1001350-06.024
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	307453.209	307453.209				mg/L
	Be	9	87.335	0.000	0.000234	0.000	12.373	mg/L
	V	51	298770.785	0.740	0.016970	0.000	1.737	mg/L
	Cr	52	309294.958	0.738	0.019444	0.000	1.809	mg/L
	Cr	53	39163.881	0.087	0.019536	0.000	2.530	mg/L
	Co	59	97348.040	0.246	0.005823	0.000	1.379	mg/L
	Cu	63	107003.063	0.270	0.013126	0.000	0.705	mg/L
	Cu	65	52716.434	0.133	0.013535	0.000	0.654	mg/L
	Zn	66	71993.794	0.181	0.029732	0.000	1.276	mg/L
	Zn	68	57706.739	0.141	0.028883	0.000	0.916	mg/L
>	Ge	72	395182.578	395182.578				mg/L
	As	75	20985.674	0.049	0.005992	0.000	1.132	mg/L
	Se	77	525.022	0.001	0.001139	0.000	12.068	mg/L
	Se	82	116.653	0.000	0.000080	0.000	164.267	mg/L
>	Rh	103	278718.320	278718.320				mg/L
	Ag	107	825.716	0.003	0.000054	0.000	0.518	mg/L
	Cd	111	1431.703	0.005	0.000396	0.000	5.594	mg/L
	Cd	114	583.842	0.002	0.000069	0.000	5.040	mg/L
	Tl	203	906.058	0.003	0.000081	0.000	6.574	mg/L
	Tl	205	2125.626	0.007	0.000080	0.000	3.050	mg/L
	Pb	208	310043.403	0.988	0.008968	0.000	1.350	mg/L
>	Bi	209	313472.703	313472.703				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	83.543
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	91.342
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	93.607
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

95.696

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	329833.978	329833.978		mg/L
Be	9	104.002	0.000	0.000288	mg/L
V	51	304712.888	0.745	0.017088	mg/L
Cr	52	308198.788	0.726	0.018184	mg/L
Cr	53	39438.487	0.087	0.018418	mg/L
Co	59	88252.552	0.248	0.005885	mg/L
Cu	63	108488.673	0.270	0.013146	mg/L
Cu	65	53808.384	0.134	0.013088	mg/L
Zn	66	73784.770	0.163	0.030088	mg/L
Zn	68	58837.288	0.143	0.029190	mg/L
Ge	72	400038.888	400038.888		mg/L
As	75	20897.978	0.048	0.000917	mg/L
Se	77	518.021	0.001	0.001086	mg/L
Se	82	128.443	0.000	0.000110	mg/L
Rh	103	274587.838	274587.838		mg/L
Ag	107	618.048	0.003	0.000088	mg/L
Cd	111	1321.035	0.005	0.000371	mg/L
Cd	114	585.980	0.002	0.000088	mg/L
Tl	203	847.052	0.003	0.000078	mg/L
Tl	205	2088.278	0.008	0.000077	mg/L
Pb	208	308873.188	0.973	0.008832	mg/L
Bi	209	315120.582	315120.582		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	301348.788	301348.788		mg/L
Be	9	84.001	0.000	0.000231	mg/L
V	51	287453.372	0.748	0.017178	mg/L
Cr	52	310212.447	0.753	0.018844	mg/L
Cr	53	38477.682	0.080	0.020079	mg/L
Co	59	86803.670	0.248	0.005874	mg/L
Cu	63	105911.843	0.272	0.013207	mg/L
Cu	65	52012.330	0.133	0.013578	mg/L
Zn	66	70866.828	0.161	0.029780	mg/L
Zn	68	56788.188	0.141	0.028878	mg/L
Ge	72	388750.748	388750.748		mg/L
As	75	20700.388	0.050	0.000909	mg/L
Se	77	555.024	0.001	0.001284	mg/L
Se	82	65.578	-0.000	-0.000084	mg/L
Rh	103	279831.978	279831.978		mg/L
Ag	107	625.049	0.003	0.000054	mg/L
Cd	111	1488.572	0.005	0.000404	mg/L
Cd	114	562.559	0.002	0.000088	mg/L
Tl	203	914.059	0.003	0.000083	mg/L
Tl	205	2116.290	0.007	0.000080	mg/L
Pb	208	308588.733	0.992	0.008008	mg/L
Bi	209	310842.017	310842.017		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	294078.862	294078.862		mg/L
Be	9	74.001	0.000	0.000207	mg/L
V	51	294148.015	0.725	0.016833	mg/L
Cr	52	308473.837	0.732	0.018304	mg/L
Cr	53	38575.483	0.088	0.019112	mg/L
Co	59	86187.898	0.242	0.005731	mg/L
Cu	63	108810.675	0.288	0.013028	mg/L
Cu	65	52531.577	0.132	0.013433	mg/L
Zn	66	71329.665	0.179	0.028339	mg/L
Zn	68	57428.783	0.140	0.028821	mg/L
Ge	72	398758.288	398758.288		mg/L
As	75	21256.681	0.050	0.000880	mg/L
Se	77	501.020	0.001	0.001034	mg/L
Se	82	155.838	0.000	0.000192	mg/L
Rh	103	281858.350	281858.350		mg/L
Ag	107	634.050	0.003	0.000054	mg/L
Cd	111	1507.504	0.005	0.000412	mg/L
Cd	114	623.008	0.002	0.000073	mg/L
Tl	203	957.085	0.003	0.000088	mg/L
Tl	205	2189.309	0.007	0.000082	mg/L
Pb	208	314586.286	0.999	0.008088	mg/L
Bi	209	314855.488	314855.488		mg/L

Sample Information

Sample ID: 1001350-07
Autosampler Position: 25
Sample Date/Time: Tuesday, February 02, 2010 13:51:37
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1001350-07.025
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	307657.952	307657.952				mg/L
	Be	9	141.003	0.000	0.000387	0.000	2.599	mg/L
	V	51	415279.273	0.963	0.022097	0.000	0.116	mg/L
	Cr	52	354359.350	0.791	0.020846	0.000	2.266	mg/L
	Cr	53	44233.534	0.093	0.020702	0.000	0.416	mg/L
	Co	59	123572.899	0.291	0.006891	0.000	1.259	mg/L
	Cu	63	157444.657	0.371	0.018018	0.000	0.858	mg/L
	Cu	65	76553.149	0.180	0.018340	0.000	1.925	mg/L
	Zn	66	138027.437	0.324	0.053281	0.001	2.194	mg/L
	Zn	68	111909.922	0.259	0.052980	0.001	1.290	mg/L
>	Ge	72	423956.067	423956.067				mg/L
	As	75	42038.175	0.095	0.011578	0.000	0.580	mg/L
	Se	77	451.683	0.000	0.000722	0.000	6.531	mg/L
	Se	82	125.143	0.000	0.000082	0.000	203.776	mg/L
>	Rh	103	299794.024	299794.024				mg/L
	Ag	107	1018.072	0.003	0.000063	0.000	2.430	mg/L
	Cd	111	1868.125	0.006	0.000481	0.000	5.304	mg/L
	Cd	114	1478.481	0.005	0.000165	0.000	8.033	mg/L
	Tl	203	1518.820	0.004	0.000127	0.000	2.632	mg/L
	Tl	205	3552.459	0.010	0.000125	0.000	1.267	mg/L
	Pb	208	781158.905	2.299	0.020872	0.000	1.662	mg/L
>	Bi	209	339580.365	339580.365				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	83.599
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.992
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.686
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

103.666

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	317923.109	317923.109		mg/L
Be	9	142.003	0.000	0.000378	mg/L
V	51	418472.781	0.983	0.022093	mg/L
Cr	52	356891.288	0.786	0.020780	mg/L
Cr	53	44577.359	0.082	0.020844	mg/L
Co	59	126178.303	0.294	0.008885	mg/L
Cu	63	158123.853	0.368	0.017911	mg/L
Cu	65	75641.500	0.176	0.017834	mg/L
Zn	66	136292.656	0.317	0.052070	mg/L
Zn	68	111414.658	0.255	0.053183	mg/L
Ge	72	428307.229	428307.229		mg/L
As	75	47486.762	0.086	0.011562	mg/L
Se	77	484.018	0.000	0.000790	mg/L
Se	82	66.484	-0.000	-0.000029	mg/L
Rh	103	297848.217	297848.217		mg/L
Ag	107	881.089	0.003	0.000081	mg/L
Cd	111	1860.886	0.007	0.000509	mg/L
Cd	114	1804.136	0.006	0.000180	mg/L
Tl	203	1510.152	0.004	0.000128	mg/L
Tl	205	3585.784	0.010	0.000124	mg/L
Pb	208	772879.728	2.256	0.020473	mg/L
Bi	209	342486.466	342486.466		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	302798.974	302798.974		mg/L
Be	9	139.003	0.000	0.000367	mg/L
V	51	416856.303	0.982	0.022074	mg/L
Cr	52	348814.088	0.774	0.020410	mg/L
Cr	53	44350.145	0.082	0.020881	mg/L
Co	59	122391.443	0.287	0.008785	mg/L
Cu	63	157534.848	0.369	0.017849	mg/L
Cu	65	77807.473	0.182	0.018510	mg/L
Zn	66	141548.403	0.331	0.054403	mg/L
Zn	68	113310.277	0.261	0.053415	mg/L
Ge	72	425803.676	425803.676		mg/L
As	75	41980.251	0.086	0.011509	mg/L
Se	77	439.016	0.000	0.000887	mg/L
Se	82	84.568	-0.000	-0.000003	mg/L
Rh	103	300508.229	300508.229		mg/L
Ag	107	1014.072	0.003	0.000082	mg/L
Cd	111	1657.547	0.006	0.000477	mg/L
Cd	114	1416.838	0.005	0.000158	mg/L
Tl	203	1583.182	0.004	0.000131	mg/L
Tl	205	3537.782	0.010	0.000124	mg/L
Pb	208	787009.814	2.317	0.021038	mg/L
Bi	209	338446.779	338446.779		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	302253.773	302253.773		mg/L
Be	9	142.003	0.000	0.000387	mg/L
V	51	409708.738	0.964	0.022124	mg/L
Cr	52	357162.657	0.810	0.021348	mg/L
Cr	53	43773.100	0.083	0.020801	mg/L
Co	59	122150.860	0.282	0.008813	mg/L
Cu	63	156875.672	0.374	0.018188	mg/L
Cu	65	76410.476	0.182	0.018678	mg/L
Zn	66	136243.051	0.325	0.053370	mg/L
Zn	68	111004.532	0.261	0.053334	mg/L
Ge	72	417757.288	417757.288		mg/L
As	75	41648.512	0.089	0.011843	mg/L
Se	77	452.017	0.000	0.000748	mg/L
Se	82	184.351	0.000	0.000275	mg/L
Rh	103	301029.628	301029.628		mg/L
Ag	107	1049.077	0.003	0.000084	mg/L
Cd	111	1788.129	0.008	0.000458	mg/L
Cd	114	1414.870	0.005	0.000157	mg/L
Tl	203	1483.147	0.004	0.000125	mg/L
Tl	205	3573.802	0.010	0.000127	mg/L
Pb	208	783587.374	2.325	0.021107	mg/L
Bi	209	336807.851	336807.851		mg/L

Sample Information

Sample ID: 1001350-08
Autosampler Position: 26
Sample Date/Time: Tuesday, February 02, 2010 13:54:58
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1001350-08.026
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	319777.701	319777.701				mg/L
⌊	Be	9	95.668	0.000	0.000248	0.000	3.320	mg/L
⌈	V	51	339835.812	0.786	0.018034	0.000	1.078	mg/L
|	Cr	52	175641.119	0.369	0.009741	0.000	1.133	mg/L
|	Cr	53	23426.785	0.044	0.009744	0.000	1.993	mg/L
|	Co	59	67180.387	0.158	0.003748	0.000	0.344	mg/L
|	Cu	63	25449.390	0.059	0.002881	0.000	1.936	mg/L
|	Cu	65	12813.639	0.030	0.003032	0.000	1.853	mg/L
|	Zn	66	53184.377	0.124	0.020438	0.000	0.447	mg/L
|	Zn	68	44399.756	0.100	0.020468	0.000	0.603	mg/L
|>	Ge	72	423535.118	423535.118				mg/L
|	As	75	13582.378	0.028	0.003441	0.000	1.582	mg/L
|	Se	77	355.344	0.000	0.000364	0.000	30.223	mg/L
⌊	Se	82	112.254	0.000	0.000046	0.000	122.696	mg/L
⌈>	Rh	103	307689.492	307689.492				mg/L
|	Ag	107	489.353	0.002	0.000029	0.000	5.129	mg/L
|	Cd	111	753.918	0.002	0.000187	0.000	6.730	mg/L
⌊	Cd	114	437.978	0.001	0.000046	0.000	3.813	mg/L
⌈	Tl	203	590.360	0.002	0.000047	0.000	2.334	mg/L
|	Tl	205	1387.796	0.004	0.000047	0.000	1.712	mg/L
|	Pb	208	142807.349	0.417	0.003786	0.000	0.734	mg/L
⌊>	Bi	209	341509.902	341509.902				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	86.892
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.895
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	103.337
|	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

104.255

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	327271.881	327271.881		mg/L
Be	9	99.002	0.000	0.000291	mg/L
V	51	341488.703	0.782	0.016173	mg/L
Cr	52	174680.828	0.388	0.009708	mg/L
Cr	53	23204.484	0.043	0.009880	mg/L
Co	59	69878.891	0.158	0.003741	mg/L
Cu	63	25421.971	0.058	0.002888	mg/L
Cu	65	12889.751	0.030	0.003008	mg/L
Zn	66	53186.713	0.125	0.020488	mg/L
Zn	68	43879.183	0.099	0.020325	mg/L
Ge	72	422339.881	422339.881		mg/L
As	75	13398.751	0.028	0.003388	mg/L
Se	77	322.009	0.000	0.000243	mg/L
Se	82	131.202	0.000	0.000089	mg/L
Rh	103	307199.842	307199.842		mg/L
Ag	107	479.019	0.001	0.000028	mg/L
Cd	111	750.188	0.002	0.000186	mg/L
Cd	114	466.741	0.001	0.000048	mg/L
Tl	203	585.028	0.002	0.000048	mg/L
Tl	205	1434.138	0.004	0.000047	mg/L
Pb	208	144321.830	0.416	0.003769	mg/L
Bi	209	348831.727	348831.727		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	316504.802	316504.802		mg/L
Be	9	97.002	0.000	0.000256	mg/L
V	51	334218.734	0.780	0.016118	mg/L
Cr	52	175879.453	0.374	0.009884	mg/L
Cr	53	23628.887	0.048	0.009888	mg/L
Co	59	69823.511	0.159	0.003782	mg/L
Cu	63	25678.753	0.060	0.002934	mg/L
Cu	65	12982.203	0.030	0.003087	mg/L
Zn	66	52813.353	0.125	0.020486	mg/L
Zn	68	44134.000	0.101	0.020539	mg/L
Ge	72	419812.108	419812.108		mg/L
As	75	13688.823	0.029	0.003502	mg/L
Se	77	377.012	0.000	0.000468	mg/L
Se	82	89.087	-0.000	-0.000014	mg/L
Rh	103	308208.129	308208.129		mg/L
Ag	107	474.018	0.001	0.000028	mg/L
Cd	111	808.548	0.003	0.000200	mg/L
Cd	114	429.110	0.001	0.000046	mg/L
Tl	203	582.028	0.002	0.000047	mg/L
Tl	205	1348.122	0.004	0.000048	mg/L
Pb	208	141286.788	0.421	0.003818	mg/L
Bi	209	339012.588	339012.588		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	315568.840	315568.840		mg/L
Be	9	91.001	0.000	0.000239	mg/L
V	51	338618.000	0.776	0.017812	mg/L
Cr	52	176292.979	0.388	0.009880	mg/L
Cr	53	23447.174	0.043	0.009808	mg/L
Co	59	67838.880	0.154	0.003739	mg/L
Cu	63	25249.448	0.058	0.002823	mg/L
Cu	65	12808.988	0.029	0.002984	mg/L
Zn	66	53554.085	0.124	0.020333	mg/L
Zn	68	45086.088	0.101	0.020540	mg/L
Ge	72	428853.387	428853.387		mg/L
As	75	13680.661	0.028	0.003422	mg/L
Se	77	367.012	0.000	0.000391	mg/L
Se	82	116.474	0.000	0.000054	mg/L
Rh	103	308880.508	308880.508		mg/L
Ag	107	515.031	0.002	0.000030	mg/L
Cd	111	703.042	0.002	0.000174	mg/L
Cd	114	429.082	0.001	0.000046	mg/L
Tl	203	604.028	0.002	0.000048	mg/L
Tl	205	1383.129	0.004	0.000048	mg/L
Pb	208	142614.650	0.415	0.003771	mg/L
Bi	209	342885.381	342885.381		mg/L

Sample Information

Sample ID: 0B02020-CCV 3
Autosampler Position: 2
Sample Date/Time: Tuesday, February 02, 2010 13:58:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\0B02020-CCV.027
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	301126.278	301126.278				mg/L
	Be	9	12857.390	0.043	0.037026	0.000	0.485	mg/L
	V	51	690453.839	1.707	0.039174	0.001	3.537	mg/L
	Cr	52	599781.270	1.452	0.038290	0.000	1.047	mg/L
	Cr	53	74145.169	0.173	0.038763	0.000	0.633	mg/L
	Co	59	678640.905	1.695	0.040093	0.001	1.998	mg/L
	Cu	63	329278.612	0.821	0.039940	0.000	0.515	mg/L
	Cu	65	155054.101	0.387	0.039379	0.001	1.487	mg/L
	Zn	66	93983.462	0.234	0.038348	0.000	1.034	mg/L
	Zn	68	75939.217	0.185	0.037789	0.000	0.440	mg/L
>	Ge	72	400495.972	400495.972				mg/L
	As	75	136195.337	0.336	0.040800	0.000	0.844	mg/L
	Se	77	9680.050	0.024	0.037242	0.001	2.600	mg/L
	Se	82	13663.374	0.034	0.038657	0.000	0.579	mg/L
>	Rh	103	298822.185	298822.185				mg/L
	Ag	107	629080.069	2.105	0.039552	0.000	0.658	mg/L
	Cd	111	143853.903	0.481	0.037499	0.000	0.913	mg/L
	Cd	114	334350.309	1.119	0.037856	0.001	2.495	mg/L
	Tl	203	436726.115	1.311	0.038278	0.000	0.555	mg/L
	Tl	205	1040789.562	3.124	0.038382	0.000	1.104	mg/L
	Pb	208	1397802.127	4.194	0.038070	0.000	0.771	mg/L
>	Bi	209	333170.892	333170.892				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	81.824
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	92.570
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.359
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

101.710

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	316837.080	316837.080		mg/L
Be	9	13813.248	0.043	0.037025	mg/L
V	51	721887.329	1.788	0.040508	mg/L
Cr	52	606358.882	1.457	0.038388	mg/L
Cr	53	74608.211	0.173	0.038547	mg/L
Co	59	678119.585	1.674	0.039800	mg/L
Cu	63	331387.228	0.817	0.039739	mg/L
Cu	65	155548.807	0.383	0.038080	mg/L
Zn	66	98014.818	0.236	0.038737	mg/L
Zn	68	78737.483	0.185	0.037750	mg/L
Ge	72	405085.456	405085.456		mg/L
As	75	136589.688	0.333	0.040441	mg/L
Se	77	9529.541	0.023	0.038213	mg/L
Se	82	13808.416	0.034	0.038809	mg/L
Rh	103	295870.859	295870.859		mg/L
Ag	107	618117.316	2.068	0.038252	mg/L
Cd	111	140828.813	0.476	0.037104	mg/L
Cd	114	336771.009	1.138	0.038502	mg/L
Tl	203	431185.119	1.317	0.038449	mg/L
Tl	205	1038149.710	3.184	0.038870	mg/L
Pb	208	1383290.528	4.162	0.037775	mg/L
Bi	209	327482.816	327482.816		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	292858.017	292858.017		mg/L
Be	9	12435.389	0.042	0.038847	mg/L
V	51	661922.406	1.712	0.038272	mg/L
Cr	52	598013.814	1.485	0.038828	mg/L
Cr	53	72986.783	0.173	0.038713	mg/L
Co	59	684182.153	1.734	0.041017	mg/L
Cu	63	326152.212	0.828	0.040150	mg/L
Cu	65	155412.331	0.393	0.040056	mg/L
Zn	66	91623.853	0.231	0.037846	mg/L
Zn	68	75178.314	0.188	0.037671	mg/L
Ge	72	384808.629	384808.629		mg/L
As	75	135288.325	0.339	0.041127	mg/L
Se	77	9762.813	0.024	0.038136	mg/L
Se	82	13435.538	0.034	0.038581	mg/L
Rh	103	303352.850	303352.850		mg/L
Ag	107	641201.884	2.114	0.038714	mg/L
Cd	111	146708.078	0.484	0.037873	mg/L
Cd	114	329771.586	1.087	0.038771	mg/L
Tl	203	431867.832	1.303	0.038040	mg/L
Tl	205	1030267.029	3.107	0.038170	mg/L
Pb	208	1401808.828	4.228	0.038382	mg/L
Bi	209	331584.883	331584.883		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	291888.757	291888.757		mg/L
Be	9	12523.528	0.043	0.037208	mg/L
V	51	667551.780	1.646	0.037743	mg/L
Cr	52	584971.104	1.436	0.037849	mg/L
Cr	53	74883.514	0.175	0.039030	mg/L
Co	59	673610.976	1.676	0.039691	mg/L
Cu	63	330288.386	0.821	0.039832	mg/L
Cu	65	154203.188	0.383	0.039032	mg/L
Zn	66	94311.816	0.234	0.038362	mg/L
Zn	68	75903.872	0.184	0.037845	mg/L
Ge	72	401785.831	401785.831		mg/L
As	75	136750.032	0.337	0.040832	mg/L
Se	77	9747.785	0.024	0.037378	mg/L
Se	82	13845.172	0.034	0.038482	mg/L
Rh	103	297243.245	297243.245		mg/L
Ag	107	627921.228	2.112	0.038691	mg/L
Cd	111	143827.016	0.484	0.037719	mg/L
Cd	114	336909.321	1.132	0.038284	mg/L
Tl	203	447035.884	1.313	0.038348	mg/L
Tl	205	1055862.847	3.101	0.038108	mg/L
Pb	208	1428347.228	4.195	0.038073	mg/L
Bi	209	340434.888	340434.888		mg/L

Sample Information

Sample ID: 0B02020-CCB

Autosampler Position: 1
Sample Date/Time: Tuesday, February 02, 2010 14:01:43
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\0B02020-CCB.028
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	292081.992	292081.992				mg/L
	Be	9	7.333	0.000	0.000011	0.000	78.580	mg/L
	V	51	6008.177	-0.001	-0.000027	0.000	80.998	mg/L
	Cr	52	17787.155	-0.000	-0.000002	0.000	1567.394	mg/L
	Cr	53	5178.661	0.001	0.000317 OK	0.000	6.613	mg/L
	Co	59	177.004	0.000	0.000005	0.000	20.794	mg/L
	Cu	63	470.018	0.000	0.000017	0.000	33.128	mg/L
	Cu	65	259.340	0.000	0.000018	0.000	38.699	mg/L
	Zn	66	439.016	0.000	0.000001	0.000	3131.639	mg/L
	Zn	68	1965.918	0.000	0.000073	0.000	21.306	mg/L
>	Ge	72	393916.969	393916.969				mg/L
	As	75	1543.001	0.000	0.000026	0.000	128.604	mg/L
	Se	77	297.342	0.000	0.000231 OK	0.000	65.360	mg/L
	Se	82	84.097	-0.000	-0.000013	0.000	1261.617	mg/L
>	Rh	103	290136.017	290136.017				mg/L
	Ag	107	330.010	0.001	0.000020	0.000	28.622	mg/L
	Cd	111	34.733	0.000	0.000005	0.000	16.623	mg/L
	Cd	114	53.783	0.000	0.000005	0.000	38.574	mg/L
	Tl	203	110.669	0.000	0.000007	0.000	32.835	mg/L
	Tl	205	250.006	0.000	0.000008	0.000	39.398	mg/L
	Pb	208	616.348	0.001	0.000008	0.000	25.334	mg/L
>	Bi	209	321420.099	321420.099				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	79.366
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	91.049
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	97.442
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb.	207.977
>	Bi	208.980

98.122

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B02020-CCB	Cr	53	
0B02020-CCB	Se	77	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	307173.912	307173.912		mg/L
Be	9	10.000	0.000	0.000017	mg/L
V	51	6419.805	-0.000	-0.000006	mg/L
Cr	52	18303.281	0.001	0.000018	mg/L
Cr	53	5250.706	0.001	0.000318	mg/L
Co	59	191.004	0.000	0.000008	mg/L
Cu	63	528.022	0.000	0.000023	mg/L
Cu	65	294.006	0.000	0.000026	mg/L
Zn	66	401.014	-0.000	-0.000016	mg/L
Zn	66	1985.251	0.000	0.000058	mg/L
Ge	72	398328.736	398328.736		mg/L
As	75	1656.103	0.000	0.000054	mg/L
Se	77	297.006	0.000	0.000213	mg/L
Se	82	121.328	0.000	0.000080	mg/L
Rh	103	286363.822	286363.822		mg/L
Ag	107	421.015	0.001	0.000028	mg/L
Cd	111	34.677	0.000	0.000005	mg/L
Cd	114	64.882	0.000	0.000008	mg/L
Tl	203	120.002	0.000	0.000007	mg/L
Tl	205	316.009	0.001	0.000008	mg/L
Pb	208	673.017	0.001	0.000009	mg/L
Bi	209	324298.860	324298.860		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	288032.876	288032.876		mg/L
Be	9	8.000	0.000	0.000013	mg/L
V	51	5548.387	-0.002	-0.000051	mg/L
Cr	52	17948.480	0.001	0.000020	mg/L
Cr	53	5188.853	0.002	0.000336	mg/L
Co	59	185.004	0.000	0.000008	mg/L
Cu	63	442.018	0.000	0.000014	mg/L
Cu	65	239.008	0.000	0.000013	mg/L
Zn	66	478.018	0.000	0.000019	mg/L
Zn	66	1979.256	0.000	0.000068	mg/L
Ge	72	380248.380	380248.380		mg/L
As	75	1558.864	0.000	0.000035	mg/L
Se	77	334.010	0.000	0.000391	mg/L
Se	82	112.817	0.000	0.000074	mg/L
Rh	103	296561.227	296561.227		mg/L
Ag	107	320.008	0.001	0.000018	mg/L
Cd	111	32.073	0.000	0.000004	mg/L
Cd	114	60.033	0.000	0.000005	mg/L
Tl	203	129.002	0.000	0.000008	mg/L
Tl	205	344.008	0.000	0.000008	mg/L
Pb	208	640.016	0.001	0.000008	mg/L
Bi	209	320380.814	320380.814		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	283039.188	283039.188		mg/L
Be	9	4.000	0.000	0.000001	mg/L
V	51	8058.329	-0.001	-0.000023	mg/L
Cr	52	17108.716	-0.002	-0.000042	mg/L
Cr	53	5118.823	0.001	0.000286	mg/L
Co	59	155.003	0.000	0.000004	mg/L
Cu	63	440.018	0.000	0.000013	mg/L
Cu	65	245.008	0.000	0.000015	mg/L
Zn	66	438.016	0.000	0.000001	mg/L
Zn	66	1953.248	0.000	0.000070	mg/L
Ge	72	392175.792	392175.792		mg/L
As	75	1415.944	-0.000	-0.000011	mg/L
Se	77	291.007	0.000	0.000080	mg/L
Se	82	18.148	-0.000	-0.000203	mg/L
Rh	103	287473.201	287473.201		mg/L
Ag	107	248.008	0.001	0.000019	mg/L
Cd	111	37.448	0.000	0.000006	mg/L
Cd	114	36.634	0.000	0.000003	mg/L
Tl	203	83.001	0.000	0.000004	mg/L
Tl	205	166.004	0.000	0.000004	mg/L
Pb	208	536.012	0.001	0.000005	mg/L
Bi	209	319582.834	319582.834		mg/L

Sample Information

Sample ID: 1001350-09
Autosampler Position: 27
Sample Date/Time: Tuesday, February 02, 2010 14:05:35
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1001350-09.029
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	305368.546	305368.546				mg/L
	Be	9	124.669	0.000	0.000344	0.000	15.369	mg/L
	V	51	471470.043	1.151	0.026406	0.000	0.775	mg/L
	Cr	52	290773.525	0.675	0.017787	0.000	0.767	mg/L
	Cr	53	37143.302	0.080	0.017937	0.000	1.558	mg/L
	Co	59	144646.713	0.358	0.008468	0.000	0.366	mg/L
	Cu	63	138389.786	0.342	0.016622	0.000	1.636	mg/L
	Cu	65	67454.922	0.167	0.016959	0.000	1.000	mg/L
	Zn	66	125201.145	0.309	0.050721	0.000	0.791	mg/L
	Zn	68	101055.088	0.246	0.050166	0.000	0.770	mg/L
>	Ge	72	403877.189	403877.189				mg/L
	As	75	86098.427	0.209	0.025406	0.000	1.137	mg/L
	Se	77	479.352	0.001	0.000914	0.000	4.804	mg/L
	Se	82	177.906	0.000	0.000246	0.000	40.779	mg/L
>	Rh	103	283786.130	283786.130				mg/L
	Ag	107	1238.104	0.004	0.000081	0.000	3.666	mg/L
	Cd	111	1573.023	0.005	0.000428	0.000	8.707	mg/L
	Cd	114	997.373	0.003	0.000117	0.000	2.806	mg/L
	Tl	203	1637.177	0.005	0.000144	0.000	5.127	mg/L
	Tl	205	3923.629	0.012	0.000145	0.000	2.589	mg/L
	Pb	208	893584.315	2.749	0.024952	0.001	2.763	mg/L
>	Bi	209	325054.379	325054.379				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	82.977
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	93.351
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	95.309
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.232

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	322936.588	322936.588		mg/L
Be	9	119.002	0.000	0.000309	mg/L
V	51	477110.310	1.158	0.028846	mg/L
Cr	52	283883.564	0.679	0.017886	mg/L
Cr	53	36754.241	0.079	0.017818	mg/L
Co	59	145854.514	0.358	0.008500	mg/L
Cu	63	136575.429	0.338	0.016317	mg/L
Cu	65	67128.882	0.166	0.016788	mg/L
Zn	66	126212.850	0.310	0.050965	mg/L
Zn	68	102190.775	0.247	0.050472	mg/L
Ge	72	405884.678	405884.678		mg/L
As	75	87583.758	0.212	0.025716	mg/L
Se	77	488.018	0.001	0.000884	mg/L
Se	82	160.721	0.000	0.000188	mg/L
Rh	103	285221.785	285221.785		mg/L
Ag	107	1193.097	0.004	0.000077	mg/L
Cd	111	1424.377	0.005	0.000388	mg/L
Cd	114	973.487	0.003	0.000114	mg/L
Tl	203	1628.175	0.006	0.000139	mg/L
Tl	205	3808.858	0.011	0.000141	mg/L
Pb	208	667788.342	2.664	0.024183	mg/L
Bi	209	333082.478	333082.478		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	298354.843	298354.843		mg/L
Be	9	143.003	0.000	0.000408	mg/L
V	51	470849.337	1.153	0.028449	mg/L
Cr	52	280620.626	0.678	0.017833	mg/L
Cr	53	37304.884	0.081	0.018088	mg/L
Co	59	143716.089	0.357	0.008436	mg/L
Cu	63	139780.111	0.348	0.016839	mg/L
Cu	65	67925.384	0.168	0.017127	mg/L
Zn	66	125584.808	0.311	0.051030	mg/L
Zn	68	101013.528	0.246	0.050298	mg/L
Ge	72	402700.439	402700.439		mg/L
As	75	85687.088	0.209	0.025369	mg/L
Se	77	488.018	0.001	0.000848	mg/L
Se	82	154.584	0.000	0.000182	mg/L
Rh	103	281397.871	281397.871		mg/L
Ag	107	1247.108	0.004	0.000082	mg/L
Cd	111	1626.695	0.008	0.000448	mg/L
Cd	114	1014.912	0.004	0.000120	mg/L
Tl	203	1715.184	0.005	0.000152	mg/L
Tl	205	3869.985	0.012	0.000148	mg/L
Pb	208	682487.182	2.772	0.025161	mg/L
Bi	209	321629.800	321629.800		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	294812.107	294812.107		mg/L
Be	9	112.002	0.000	0.000319	mg/L
V	51	466450.464	1.141	0.028183	mg/L
Cr	52	287748.394	0.698	0.017834	mg/L
Cr	53	37370.881	0.081	0.018111	mg/L
Co	59	144269.535	0.358	0.008488	mg/L
Cu	63	136803.819	0.344	0.016710	mg/L
Cu	65	67310.418	0.167	0.016881	mg/L
Zn	66	123765.976	0.308	0.050287	mg/L
Zn	68	98881.963	0.243	0.049732	mg/L
Ge	72	402938.449	402938.449		mg/L
As	75	85024.434	0.207	0.025144	mg/L
Se	77	463.019	0.001	0.000832	mg/L
Se	82	218.432	0.000	0.000362	mg/L
Rh	103	284738.654	284738.654		mg/L
Ag	107	1274.110	0.004	0.000083	mg/L
Cd	111	1667.997	0.008	0.000462	mg/L
Cd	114	1003.709	0.003	0.000117	mg/L
Tl	203	1569.163	0.005	0.000140	mg/L
Tl	205	3480.947	0.012	0.000148	mg/L
Pb	208	900527.519	2.811	0.025514	mg/L
Bi	209	320250.782	320250.782		mg/L

: 00536

Sample Information

Sample ID: 1001350-10
Autosampler Position: 28
Sample Date/Time: Tuesday, February 02, 2010 14:08:58
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1001350-10.030
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	329887.411	329887.411				mg/L
	Be	9	315.009	0.001	0.000819	0.000	10.314	mg/L
	V	51	645416.558	1.422	0.032631	0.000	0.752	mg/L
	Cr	52	1151263.398	2.521	0.066458	0.001	1.435	mg/L
	Cr	53	138875.806	0.298	0.066578	0.000	0.559	mg/L
	Co	59	259229.173	0.578	0.013666	0.000	1.699	mg/L
	Cu	63	13115479.182	29.235	1.421632	0.003	0.194	mg/L
	Cu	65	6317217.935	14.082	1.433902	0.007	0.493	mg/L
	Zn	66	3014035.432	6.718	1.103066	0.003	0.249	mg/L
	Zn	68	2429473.491	5.411	1.105345	0.012	1.125	mg/L
>	Ge	72	448606.922	448606.922				mg/L
	As	75	291807.134	0.647	0.078440	0.001	1.859	mg/L
	Se	77	724.039	0.001	0.001589	0.000	1.433	mg/L
	Se	82	486.817	0.001	0.000982	0.000	5.238	mg/L
>	Rh	103	298953.144	298953.144				mg/L
	Ag	107	7251.893	0.024	0.000455	0.000	0.598	mg/L
	Cd	111	13732.830	0.046	0.003575	0.000	2.405	mg/L
	Cd	114	26770.525	0.090	0.003028	0.000	2.462	mg/L
	Tl	203	13755.818	0.038	0.001102	0.000	3.886	mg/L
	Tl	205	32501.249	0.089	0.001095	0.000	2.888	mg/L
	Pb	208	117755049.602	323.921	2.940153	0.103	3.499	mg/L
>	Bi	209	363725.825	363725.825				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	89.639
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.690
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.403
	Ag	106.905	

: 00537

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

111.037

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	340774.380	340774.380		mg/L
Be	9	285.008	0.001	0.000740	mg/L
V	51	834428.847	1.411	0.032378	mg/L
Cr	52	1123843.638	2.463	0.085472	mg/L
Cr	53	136775.943	0.298	0.088173	mg/L
Co	59	255180.833	0.574	0.013580	mg/L
Cu	63	13022277.340	29.309	1.424788	mg/L
Cu	65	6288887.539	14.146	1.440340	mg/L
Zn	66	2867288.381	6.730	1.103547	mg/L
Zn	68	2401308.186	5.386	1.102808	mg/L
Ge	72	444433.784	444433.784		mg/L
As	75	284033.888	0.638	0.077088	mg/L
Se	77	724.039	0.001	0.001813	mg/L
Se	82	505.467	0.001	0.001041	mg/L
Rh	103	295201.538	295201.538		mg/L
Ag	107	7151.136	0.024	0.000454	mg/L
Cd	111	13835.075	0.047	0.003873	mg/L
Cd	114	26871.867	0.080	0.003008	mg/L
Tl	203	13478.027	0.036	0.001053	mg/L
Tl	205	32330.918	0.089	0.001082	mg/L
Pb	208	116245536.888	311.746	2.829882	mg/L
Bi	209	372881.528	372881.528		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	325089.088	325089.088		mg/L
Be	9	307.009	0.001	0.000808	mg/L
V	51	648623.888	1.423	0.032884	mg/L
Cr	52	1173418.440	2.556	0.087376	mg/L
Cr	53	140317.875	0.299	0.088803	mg/L
Co	59	257330.294	0.570	0.013480	mg/L
Cu	63	13170871.482	29.183	1.418562	mg/L
Cu	65	6356280.188	14.083	1.435033	mg/L
Zn	66	3037972.634	6.733	1.105542	mg/L
Zn	68	2473080.219	5.477	1.118648	mg/L
Ge	72	451157.081	451157.081		mg/L
As	75	292867.888	0.646	0.078286	mg/L
Se	77	722.038	0.001	0.001567	mg/L
Se	82	479.547	0.001	0.000856	mg/L
Rh	103	303410.708	303410.708		mg/L
Ag	107	7322.289	0.024	0.000452	mg/L
Cd	111	13898.670	0.046	0.003513	mg/L
Cd	114	26418.478	0.087	0.002844	mg/L
Tl	203	14030.928	0.039	0.001128	mg/L
Tl	205	32458.414	0.089	0.001088	mg/L
Pb	208	117976708.888	328.847	2.867833	mg/L
Bi	209	382080.588	382080.588		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	323818.784	323818.784		mg/L
Be	9	343.010	0.001	0.000808	mg/L
V	51	652289.830	1.432	0.032884	mg/L
Cr	52	1156529.818	2.524	0.086528	mg/L
Cr	53	138536.901	0.298	0.088856	mg/L
Co	59	265198.331	0.588	0.013829	mg/L
Cu	63	13153188.722	29.214	1.420585	mg/L
Cu	65	6308726.080	14.007	1.426333	mg/L
Zn	66	3016834.278	6.700	1.100110	mg/L
Zn	68	2414051.058	5.357	1.094380	mg/L
Ge	72	450229.880	450229.880		mg/L
As	75	298519.582	0.658	0.079870	mg/L
Se	77	726.039	0.001	0.001569	mg/L
Se	82	475.438	0.001	0.000848	mg/L
Rh	103	296247.188	296247.188		mg/L
Ag	107	7282.253	0.024	0.000467	mg/L
Cd	111	13564.746	0.045	0.003539	mg/L
Cd	114	27220.101	0.091	0.003088	mg/L
Tl	203	13787.501	0.039	0.001125	mg/L
Tl	205	32714.418	0.092	0.001125	mg/L
Pb	208	118042802.831	334.188	3.033183	mg/L
Bi	209	356235.364	356235.364		mg/L

: 00538

Sample Information

Sample ID: 1001350-11
Autosampler Position: 29
Sample Date/Time: Tuesday, February 02, 2010 14:12:20
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1001350-11.031
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	326581.564	326581.564				mg/L
	Be	9	292.341	0.001	0.000767	0.000	8.964	mg/L
	V	51	794771.791	1.775	0.040718	0.000	1.026	mg/L
	Cr	52	425777.865	0.914	0.024106	0.000	0.326	mg/L
	Cr	53	53362.172	0.109	0.024265	0.000	1.158	mg/L
	Co	59	252608.446	0.569	0.013466	0.000	1.143	mg/L
	Cu	63	225393.751	0.507	0.024664	0.000	1.500	mg/L
	Cu	65	107723.919	0.242	0.024675	0.000	1.021	mg/L
	Zn	66	297481.665	0.669	0.109819	0.001	0.736	mg/L
	Zn	68	254735.258	0.569	0.116339	0.000	0.369	mg/L
>	Ge	72	443688.153	443688.153				mg/L
	As	75	190626.865	0.426	0.051665	0.001	1.606	mg/L
	Se	77	612.029	0.001	0.001218	0.000	11.150	mg/L
	Se	82	229.213	0.000	0.000333	0.000	18.421	mg/L
>	Rh	103	300560.497	300560.497				mg/L
	Ag	107	1384.129	0.005	0.000085	0.000	1.852	mg/L
	Cd	111	3395.854	0.011	0.000876	0.000	3.590	mg/L
	Cd	114	3582.833	0.012	0.000402	0.000	1.598	mg/L
	Tl	203	2441.382	0.007	0.000209	0.000	2.107	mg/L
	Tl	205	5692.334	0.017	0.000205	0.000	3.246	mg/L
	Pb	208	1516654.247	4.517	0.040999	0.001	2.875	mg/L
>	Bi	209	335854.312	335854.312				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	88.741
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.553
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.943
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

102.529

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	336883.842	336883.842		mg/L
Be	9	273.007	0.001	0.000888	mg/L
V	51	778074.624	1.760	0.040373	mg/L
Cr	52	420542.288	0.913	0.024082	mg/L
Cr	53	53279.308	0.110	0.024530	mg/L
Co	59	253003.716	0.877	0.013841	mg/L
Cu	63	229854.209	0.516	0.025088	mg/L
Cu	65	107584.889	0.246	0.024819	mg/L
Zn	66	295369.286	0.672	0.110388	mg/L
Zn	68	252564.388	0.571	0.116871	mg/L
Ge	72	438646.836	438646.836		mg/L
As	75	191674.976	0.433	0.052889	mg/L
Se	77	587.027	0.001	0.001189	mg/L
Se	82	208.391	0.000	0.000288	mg/L
Rh	103	295788.829	295788.829		mg/L
Ag	107	1358.134	0.008	0.000088	mg/L
Cd	111	3320.825	0.011	0.000870	mg/L
Cd	114	3578.180	0.012	0.000408	mg/L
Tl	203	2508.416	0.007	0.000213	mg/L
Tl	205	5832.808	0.016	0.000197	mg/L
Pb	208	1510413.130	4.380	0.038758	mg/L
Bi	209	344783.587	344783.587		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	321686.868	321686.868		mg/L
Be	9	306.009	0.001	0.000811	mg/L
V	51	812404.373	1.786	0.041162	mg/L
Cr	52	429309.909	0.912	0.024043	mg/L
Cr	53	53382.778	0.107	0.023979	mg/L
Co	59	254180.029	0.567	0.013404	mg/L
Cu	63	225346.411	0.502	0.024391	mg/L
Cu	65	106881.818	0.242	0.024680	mg/L
Zn	66	298187.405	0.664	0.108864	mg/L
Zn	68	257838.822	0.570	0.118483	mg/L
Ge	72	448487.082	448487.082		mg/L
As	75	192246.089	0.428	0.051541	mg/L
Se	77	585.028	0.001	0.001089	mg/L
Se	82	221.781	0.000	0.000308	mg/L
Rh	103	304072.181	304072.181		mg/L
Ag	107	1377.129	0.004	0.000084	mg/L
Cd	111	3325.388	0.011	0.000845	mg/L
Cd	114	3564.607	0.012	0.000388	mg/L
Tl	203	2368.388	0.007	0.000204	mg/L
Tl	205	5817.089	0.017	0.000210	mg/L
Pb	208	1520280.383	4.533	0.041143	mg/L
Bi	209	335315.434	335315.434		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	319181.884	319181.884		mg/L
Be	9	298.006	0.001	0.000803	mg/L
V	51	782838.177	1.770	0.040889	mg/L
Cr	52	427481.388	0.918	0.024184	mg/L
Cr	53	53454.427	0.108	0.024298	mg/L
Co	59	250831.803	0.564	0.013353	mg/L
Cu	63	224181.834	0.504	0.024518	mg/L
Cu	65	106886.240	0.240	0.024416	mg/L
Zn	66	296808.283	0.672	0.110364	mg/L
Zn	68	253618.888	0.567	0.115853	mg/L
Ge	72	443821.540	443821.540		mg/L
As	75	187899.551	0.420	0.050805	mg/L
Se	77	664.032	0.001	0.001388	mg/L
Se	82	256.817	0.000	0.000403	mg/L
Rh	103	301820.481	301820.481		mg/L
Ag	107	1417.138	0.005	0.000087	mg/L
Cd	111	3541.540	0.012	0.000810	mg/L
Cd	114	3804.701	0.012	0.000403	mg/L
Tl	203	2382.384	0.007	0.000208	mg/L
Tl	205	5629.956	0.017	0.000208	mg/L
Pb	208	1519289.248	4.638	0.042109	mg/L
Bi	209	327483.998	327483.998		mg/L

Sample Information

Sample ID: 1001350-12
Autosampler Position: 30
Sample Date/Time: Tuesday, February 02, 2010 14:16:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1001350-12.032
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	296150.643	296150.643				mg/L
	Be	9	115.002	0.000	0.000325	0.000	9.347	mg/L
	V	51	392100.976	0.993	0.022773	0.001	2.258	mg/L
	Cr	52	274473.527	0.661	0.017432	0.001	3.219	mg/L
	Cr	53	34944.825	0.078	0.017478	0.000	2.521	mg/L
	Co	59	133203.220	0.343	0.008106	0.000	2.599	mg/L
	Cu	63	142109.792	0.365	0.017741	0.000	1.982	mg/L
	Cu	65	69640.149	0.179	0.018203	0.001	2.916	mg/L
	Zn	66	100177.671	0.257	0.042148	0.001	2.173	mg/L
	Zn	68	79561.580	0.200	0.040870	0.000	1.193	mg/L
>	Ge	72	388760.770	388760.770				mg/L
	As	75	103231.843	0.262	0.031768	0.001	1.975	mg/L
	Se	77	512.021	0.001	0.001120	0.000	1.911	mg/L
	Se	82	151.806	0.000	0.000192	0.000	69.539	mg/L
>	Rh	103	275801.250	275801.250				mg/L
	Ag	107	930.061	0.003	0.000062	0.000	4.329	mg/L
	Cd	111	1634.849	0.006	0.000457	0.000	3.879	mg/L
	Cd	114	777.182	0.003	0.000094	0.000	3.281	mg/L
	Tl	203	1493.482	0.005	0.000138	0.000	5.287	mg/L
	Tl	205	3518.778	0.011	0.000136	0.000	1.261	mg/L
	Pb	208	852723.454	2.755	0.025011	0.001	2.873	mg/L
>	Bi	209	309459.907	309459.907				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	80.472
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	89.857
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	92.628
	Ag	106.905	

: 00541

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

94.471

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	316866.766	316866.766		mg/L
Be	9	135.002	0.000	0.000356	mg/L
V	51	386609.388	0.897	0.022881	mg/L
Cr	52	277428.089	0.660	0.017366	mg/L
Cr	53	35782.057	0.079	0.017712	mg/L
Co	59	134758.184	0.342	0.008088	mg/L
Cu	63	144386.618	0.366	0.017802	mg/L
Cu	65	70314.066	0.178	0.018148	mg/L
Zn	66	102038.842	0.256	0.042402	mg/L
Zn	68	79827.318	0.199	0.040488	mg/L
Ge	72	393471.803	393471.803		mg/L
As	75	102449.308	0.257	0.031131	mg/L
Se	77	514.021	0.001	0.001103	mg/L
Se	82	129.772	0.000	0.000120	mg/L
Rh	103	281004.003	281004.003		mg/L
Ag	107	937.091	0.003	0.000091	mg/L
Cd	111	1714.913	0.009	0.000471	mg/L
Cd	114	796.880	0.003	0.000094	mg/L
Tl	203	1482.148	0.005	0.000138	mg/L
Tl	205	3901.771	0.011	0.000134	mg/L
Pb	208	837457.687	2.482	0.024348	mg/L
Bi	209	312118.624	312118.624		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	293465.447	293465.447		mg/L
Be	9	105.002	0.000	0.000289	mg/L
V	51	382181.376	0.888	0.022314	mg/L
Cr	52	273197.884	0.641	0.016880	mg/L
Cr	53	34808.311	0.078	0.016970	mg/L
Co	59	133087.330	0.334	0.007988	mg/L
Cu	63	142553.391	0.357	0.017382	mg/L
Cu	65	69432.748	0.174	0.017702	mg/L
Zn	66	100211.841	0.250	0.041132	mg/L
Zn	68	81183.335	0.198	0.040881	mg/L
Ge	72	386301.391	386301.391		mg/L
As	75	105881.678	0.262	0.031787	mg/L
Se	77	523.022	0.001	0.001113	mg/L
Se	82	127.880	0.000	0.000110	mg/L
Rh	103	280586.338	280586.338		mg/L
Ag	107	922.080	0.003	0.000080	mg/L
Cd	111	1683.297	0.008	0.000463	mg/L
Cd	114	784.083	0.003	0.000080	mg/L
Tl	203	1452.141	0.004	0.000131	mg/L
Tl	205	3821.423	0.011	0.000136	mg/L
Pb	208	865169.932	2.746	0.024916	mg/L
Bi	209	315083.492	315083.492		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	277888.687	277888.687		mg/L
Be	9	108.002	0.000	0.000317	mg/L
V	51	385282.182	1.012	0.023228	mg/L
Cr	52	272784.788	0.683	0.016010	mg/L
Cr	53	34134.108	0.079	0.017782	mg/L
Co	59	131784.187	0.352	0.008320	mg/L
Cu	63	139380.488	0.371	0.018087	mg/L
Cu	65	68173.801	0.184	0.018788	mg/L
Zn	66	98281.130	0.261	0.042910	mg/L
Zn	68	77874.080	0.203	0.041422	mg/L
Ge	72	374609.146	374609.146		mg/L
As	75	101394.548	0.267	0.032385	mg/L
Se	77	498.020	0.001	0.001144	mg/L
Se	82	197.787	0.000	0.000348	mg/L
Rh	103	285811.408	285811.408		mg/L
Ag	107	941.083	0.003	0.000085	mg/L
Cd	111	1508.335	0.008	0.000437	mg/L
Cd	114	771.803	0.003	0.000099	mg/L
Tl	203	1536.167	0.005	0.000149	mg/L
Tl	205	3432.741	0.011	0.000137	mg/L
Pb	208	858542.833	2.838	0.025772	mg/L
Bi	209	301199.809	301199.809		mg/L

: 00542

Sample Information

Sample ID: 1001350-13
Autosampler Position: 31
Sample Date/Time: Tuesday, February 02, 2010 14:20:01
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1001350-13.033
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	304387.146	304387.146				mg/L
	Be	9	894.724	0.003	0.002540	0.000	3.129	mg/L
	V	51	446539.784	1.047	0.024011	0.000	1.628	mg/L
	Cr	52	218004.356	0.474	0.012488	0.000	1.653	mg/L
	Cr	53	27498.587	0.054	0.012009	0.000	2.558	mg/L
	Co	59	235479.396	0.560	0.013256	0.000	0.996	mg/L
	Cu	63	866070.719	2.061	0.100204	0.001	0.751	mg/L
	Cu	65	415101.530	0.988	0.100568	0.002	2.056	mg/L
	Zn	66	95219.442	0.226	0.037040	0.001	3.278	mg/L
	Zn	68	187492.331	0.442	0.090232	0.003	3.019	mg/L
>	Ge	72	420121.448	420121.448				mg/L
	As	75	66620.677	0.155	0.018785	0.000	2.372	mg/L
	Se	77	961.399	0.002	0.002655	0.000	7.698	mg/L
	Se	82	737.797	0.002	0.001747	0.000	1.692	mg/L
>	Rh	103	302278.024	302278.024				mg/L
	Ag	107	1152.091	0.004	0.000070	0.000	4.338	mg/L
	Cd	111	2199.014	0.007	0.000563	0.000	2.704	mg/L
	Cd	114	1496.097	0.005	0.000166	0.000	1.095	mg/L
	Tl	203	7178.829	0.021	0.000613	0.000	2.465	mg/L
	Tl	205	17011.184	0.050	0.000611	0.000	0.888	mg/L
	Pb	208	549120.403	1.613	0.014645	0.000	1.790	mg/L
>	Bi	209	340167.837	340167.837				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	82.710
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.106
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.520
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

103.846

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	312763.207	312763.207		mg/L
Be	9	601.056	0.003	0.002466	mg/L
V	51	448331.853	1.040	0.023888	mg/L
Cr	52	216268.432	0.487	0.012308	mg/L
Cr	53	27351.084	0.053	0.011852	mg/L
Co	59	235881.827	0.556	0.013212	mg/L
Cu	63	863288.148	2.043	0.099338	mg/L
Cu	65	407508.988	0.964	0.098185	mg/L
Zn	66	82572.258	0.216	0.035803	mg/L
Zn	68	183587.814	0.430	0.087827	mg/L
Ge	72	422417.680	422417.680		mg/L
As	75	67319.114	0.158	0.018879	mg/L
Se	77	978.087	0.002	0.002897	mg/L
Se	82	751.609	0.002	0.001773	mg/L
Rh	103	302957.680	302957.680		mg/L
Ag	107	1188.089	0.004	0.000072	mg/L
Cd	111	2195.657	0.007	0.000580	mg/L
Cd	114	1480.388	0.008	0.000166	mg/L
Tl	203	7134.124	0.030	0.000588	mg/L
Tl	205	17179.662	0.048	0.000809	mg/L
Pb	208	550082.080	1.548	0.014417	mg/L
Bi	209	348085.718	348085.718		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	286773.851	286773.851		mg/L
Be	9	904.056	0.003	0.002631	mg/L
V	51	451388.087	1.088	0.024464	mg/L
Cr	52	219878.709	0.482	0.012712	mg/L
Cr	53	28831.718	0.053	0.011813	mg/L
Co	59	238401.577	0.567	0.013405	mg/L
Cu	63	862988.478	2.068	0.100571	mg/L
Cu	65	418470.200	0.986	0.101629	mg/L
Zn	66	97567.818	0.233	0.036230	mg/L
Zn	68	192189.080	0.458	0.083180	mg/L
Ge	72	417081.678	417081.678		mg/L
As	75	67467.598	0.158	0.018177	mg/L
Se	77	1002.070	0.002	0.002838	mg/L
Se	82	720.785	0.002	0.001718	mg/L
Rh	103	303086.587	303086.587		mg/L
Ag	107	1180.085	0.004	0.000072	mg/L
Cd	111	2267.480	0.007	0.000578	mg/L
Cd	114	1518.780	0.008	0.000169	mg/L
Tl	203	7153.140	0.021	0.000612	mg/L
Tl	205	17145.792	0.050	0.000817	mg/L
Pb	208	548002.588	1.607	0.014567	mg/L
Bi	209	339524.887	339524.887		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	303624.281	303624.281		mg/L
Be	9	879.056	0.003	0.002500	mg/L
V	51	441901.742	1.034	0.023713	mg/L
Cr	52	217771.928	0.472	0.012448	mg/L
Cr	53	28212.859	0.055	0.012363	mg/L
Co	59	234064.884	0.556	0.013153	mg/L
Cu	63	871943.532	2.071	0.100703	mg/L
Cu	65	421325.404	1.001	0.101880	mg/L
Zn	66	95518.294	0.228	0.037088	mg/L
Zn	68	188710.319	0.439	0.089880	mg/L
Ge	72	420864.897	420864.897		mg/L
As	75	65059.320	0.151	0.018300	mg/L
Se	77	904.056	0.002	0.002433	mg/L
Se	82	741.017	0.002	0.001752	mg/L
Rh	103	300807.625	300807.625		mg/L
Ag	107	1080.082	0.004	0.000067	mg/L
Cd	111	2133.829	0.007	0.000549	mg/L
Cd	114	1479.150	0.005	0.000165	mg/L
Tl	203	7248.224	0.023	0.000629	mg/L
Tl	205	16707.889	0.050	0.000810	mg/L
Pb	208	551278.540	1.643	0.014932	mg/L
Bi	209	334882.929	334882.929		mg/L

Sample Information

Sample ID: 1001350-14
Autosampler Position: 32
Sample Date/Time: Tuesday, February 02, 2010 14:23:26
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1001350-14.034
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	312647.869	312647.869				mg/L
	Be	9	844.051	0.003	0.002333	0.000	5.034	mg/L
	V	51	481250.728	1.130	0.025929	0.000	0.965	mg/L
	Cr	52	223279.314	0.487	0.012835	0.000	2.983	mg/L
	Cr	53	28187.540	0.055	0.012393	0.000	2.717	mg/L
	Co	59	193649.405	0.461	0.010912	0.000	2.756	mg/L
	Cu	63	783680.426	1.866	0.090758	0.002	1.878	mg/L
	Cu	65	375318.325	0.894	0.091028	0.003	3.079	mg/L
	Zn	66	75711.153	0.179	0.029442	0.001	2.542	mg/L
	Zn	68	100904.910	0.236	0.048172	0.001	2.490	mg/L
>	Ge	72	419789.278	419789.278				mg/L
	As	75	61668.399	0.143	0.017373	0.000	2.039	mg/L
	Se	77	904.391	0.002	0.002444	0.000	6.355	mg/L
	Se	82	751.818	0.002	0.001787	0.000	4.978	mg/L
>	Rh	103	298190.274	298190.274				mg/L
	Ag	107	1091.416	0.004	0.000068	0.000	6.036	mg/L
	Cd	111	1810.715	0.006	0.000469	0.000	7.185	mg/L
	Cd	114	1026.188	0.003	0.000115	0.000	1.734	mg/L
	Tl	203	5164.986	0.015	0.000451	0.000	4.576	mg/L
	Tl	205	12250.456	0.037	0.000450	0.000	2.441	mg/L
	Pb	208	525714.491	1.582	0.014363	0.000	2.317	mg/L
>	Bi	209	332125.915	332125.915				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	84.954
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.029
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.147
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

101.391

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	325178.108	325178.108		mg/L
Be	9	630.060	0.003	0.002203	mg/L
V	51	466744.562	1.129	0.025894	mg/L
Cr	52	221853.137	0.477	0.012573	mg/L
Cr	53	28104.583	0.054	0.012158	mg/L
Co	59	190488.662	0.448	0.010597	mg/L
Cu	63	779185.248	1.832	0.089082	mg/L
Cu	65	373886.867	0.879	0.086640	mg/L
Zn	66	76270.198	0.178	0.029280	mg/L
Zn	68	100417.384	0.232	0.047310	mg/L
Ge	72	425087.456	425087.456		mg/L
As	75	61135.528	0.140	0.016886	mg/L
Se	77	671.054	0.001	0.002276	mg/L
Se	82	723.557	0.001	0.001685	mg/L
Rh	103	299088.958	299088.958		mg/L
Ag	107	1029.074	0.003	0.000083	mg/L
Cd	111	1719.562	0.005	0.000444	mg/L
Cd	114	1020.808	0.003	0.000114	mg/L
Tl	203	5083.589	0.016	0.000434	mg/L
Tl	205	12136.866	0.038	0.000437	mg/L
Pb	208	529558.178	1.552	0.014084	mg/L
Bi	209	336487.105	336487.105		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	307808.218	307808.218		mg/L
Be	9	887.054	0.003	0.002432	mg/L
V	51	475048.379	1.142	0.026194	mg/L
Cr	52	229089.833	0.504	0.013274	mg/L
Cr	53	28259.116	0.057	0.012776	mg/L
Co	59	194211.949	0.473	0.011187	mg/L
Cu	63	780615.251	1.902	0.092498	mg/L
Cu	65	379808.547	0.928	0.094261	mg/L
Zn	66	76042.128	0.184	0.030256	mg/L
Zn	68	101380.985	0.243	0.049542	mg/L
Ge	72	410183.004	410183.004		mg/L
As	75	61367.943	0.146	0.017697	mg/L
Se	77	820.080	0.002	0.002583	mg/L
Se	82	756.887	0.002	0.001849	mg/L
Rh	103	292478.984	292478.984		mg/L
Ag	107	1133.066	0.004	0.000072	mg/L
Cd	111	1920.817	0.007	0.000508	mg/L
Cd	114	1028.537	0.003	0.000117	mg/L
Tl	203	5154.648	0.016	0.000448	mg/L
Tl	205	12518.521	0.037	0.000458	mg/L
Pb	208	527180.885	1.573	0.014374	mg/L
Bi	209	334988.031	334988.031		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	304882.284	304882.284		mg/L
Be	9	835.060	0.003	0.002385	mg/L
V	51	481958.214	1.170	0.025897	mg/L
Cr	52	222786.173	0.480	0.012857	mg/L
Cr	53	28199.912	0.056	0.012242	mg/L
Co	59	196237.603	0.463	0.010943	mg/L
Cu	63	791240.780	1.886	0.090884	mg/L
Cu	65	372049.541	0.877	0.088284	mg/L
Zn	66	74621.139	0.175	0.029788	mg/L
Zn	68	100916.372	0.233	0.047864	mg/L
Ge	72	424087.378	424087.378		mg/L
As	75	62501.730	0.144	0.017426	mg/L
Se	77	922.080	0.002	0.002474	mg/L
Se	82	774.832	0.002	0.001826	mg/L
Rh	103	302991.871	302991.871		mg/L
Ag	107	1112.088	0.004	0.000088	mg/L
Cd	111	1791.788	0.006	0.000487	mg/L
Cd	114	1031.421	0.003	0.000113	mg/L
Tl	203	5278.723	0.016	0.000474	mg/L
Tl	205	12083.880	0.037	0.000457	mg/L
Pb	208	524427.631	1.623	0.014731	mg/L
Bi	209	322912.810	322912.810		mg/L

Sample Information

Sample ID: 1001350-15
Autosampler Position: 33
Sample Date/Time: Tuesday, February 02, 2010 14:26:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1001350-15.035
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	294214.645	294214.645				mg/L
⌊	Be	9	126.336	0.000	0.000361	0.000	7.485	mg/L
⌈	V	51	423554.381	1.090	0.025005	0.001	2.243	mg/L
|	Cr	52	332615.172	0.824	0.021711	0.001	2.512	mg/L
|	Cr	53	41874.070	0.098	0.021829	0.001	3.485	mg/L
|	Co	59	148892.235	0.389	0.009197	0.000	3.258	mg/L
|	Cu	63	164154.452	0.428	0.020808	0.000	1.543	mg/L
|	Cu	65	80764.708	0.210	0.021434	0.001	2.881	mg/L
|	Zn	66	336637.907	0.878	0.144205	0.002	1.592	mg/L
|	Zn	68	259734.745	0.674	0.137631	0.002	1.661	mg/L
|>	Ge	72	382914.940	382914.940				mg/L
|	As	75	94147.195	0.242	0.029376	0.000	1.223	mg/L
|	Se	77	470.685	0.001	0.000981	0.000	3.681	mg/L
⌊	Se	82	233.200	0.000	0.000437	0.000	21.739	mg/L
⌈>	Rh	103	269946.933	269946.933				mg/L
|	Ag	107	1078.081	0.004	0.000074	0.000	1.827	mg/L
|	Cd	111	1782.843	0.007	0.000510	0.000	1.008	mg/L
⌊	Cd	114	1379.472	0.005	0.000171	0.000	3.153	mg/L
⌈	Tl	203	1499.483	0.005	0.000140	0.000	3.428	mg/L
|	Tl	205	3594.145	0.012	0.000142	0.000	4.682	mg/L
|	Pb	208	554679.759	1.819	0.016513	0.000	1.249	mg/L
⌊>	Bi	209	304737.565	304737.565				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	79.946
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	88.506
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	90.661
|	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

93.030

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	312157.088	312157.088		mg/L
Be	9	144.003	0.000	0.000369	mg/L
V	51	432413.880	1.088	0.025204	mg/L
Cr	52	336843.970	0.828	0.021840	mg/L
Cr	53	42782.885	0.089	0.022028	mg/L
Co	59	150718.183	0.368	0.009189	mg/L
Cu	63	166217.982	0.429	0.020788	mg/L
Cu	65	81671.071	0.210	0.021394	mg/L
Zn	66	336237.482	0.866	0.142178	mg/L
Zn	68	265343.852	0.680	0.136818	mg/L
Ge	72	387835.538	387835.538		mg/L
As	75	85223.540	0.243	0.029330	mg/L
Se	77	468.018	0.001	0.000845	mg/L
Se	82	286.026	0.000	0.000528	mg/L
Rh	103	268851.380	268851.380		mg/L
Ag	107	1085.079	0.004	0.000073	mg/L
Cd	111	1788.888	0.007	0.000811	mg/L
Cd	114	1372.874	0.005	0.000170	mg/L
Tl	203	1483.143	0.005	0.000138	mg/L
Tl	205	3482.764	0.011	0.000135	mg/L
Pb	208	553288.406	1.793	0.016276	mg/L
Bi	209	308395.834	308395.834		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	292888.824	292888.824		mg/L
Be	9	117.002	0.000	0.000326	mg/L
V	51	422275.844	1.109	0.025440	mg/L
Cr	52	332722.512	0.841	0.022181	mg/L
Cr	53	42127.838	0.101	0.022472	mg/L
Co	59	150784.420	0.402	0.009801	mg/L
Cu	63	163414.315	0.435	0.021133	mg/L
Cu	65	81522.827	0.217	0.022071	mg/L
Zn	66	335684.884	0.883	0.146839	mg/L
Zn	68	257338.518	0.681	0.139081	mg/L
Ge	72	375279.882	375279.882		mg/L
As	75	93458.818	0.245	0.029756	mg/L
Se	77	470.018	0.001	0.001017	mg/L
Se	82	196.179	0.000	0.000337	mg/L
Rh	103	269281.587	269281.587		mg/L
Ag	107	1086.079	0.004	0.000073	mg/L
Cd	111	1758.179	0.008	0.000808	mg/L
Cd	114	1336.539	0.005	0.000166	mg/L
Tl	203	1497.148	0.005	0.000141	mg/L
Tl	205	3587.808	0.012	0.000142	mg/L
Pb	208	554563.563	1.833	0.016836	mg/L
Bi	209	302436.318	302436.318		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	277487.013	277487.013		mg/L
Be	9	118.002	0.000	0.000358	mg/L
V	51	415873.247	1.062	0.024372	mg/L
Cr	52	326279.038	0.801	0.021113	mg/L
Cr	53	40731.708	0.094	0.020869	mg/L
Co	59	145177.103	0.376	0.009802	mg/L
Cu	63	162831.056	0.421	0.020491	mg/L
Cu	65	79100.427	0.205	0.020838	mg/L
Zn	66	337891.384	0.875	0.143738	mg/L
Zn	68	258620.888	0.681	0.134885	mg/L
Ge	72	385629.600	385629.600		mg/L
As	75	93782.127	0.239	0.029041	mg/L
Se	77	474.018	0.001	0.000881	mg/L
Se	82	238.386	0.000	0.000449	mg/L
Rh	103	270827.814	270827.814		mg/L
Ag	107	1103.084	0.004	0.000078	mg/L
Cd	111	1803.452	0.007	0.000518	mg/L
Cd	114	1428.902	0.005	0.000177	mg/L
Tl	203	1536.157	0.005	0.000145	mg/L
Tl	205	3731.673	0.012	0.000148	mg/L
Pb	208	556146.288	1.832	0.016829	mg/L
Bi	209	303380.642	303380.642		mg/L

Sample Information

Sample ID: 1001350-16
Autosampler Position: 34
Sample Date/Time: Tuesday, February 02, 2010 14:30:16
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1001350-16.036
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	291290.414	291290.414				mg/L
	Be	9	206.671	0.001	0.000605	0.000	5.967	mg/L
	V	51	342419.696	0.831	0.019062	0.000	1.242	mg/L
	Cr	52	233917.758	0.534	0.014065	0.000	1.366	mg/L
	Cr	53	30209.962	0.063	0.014087	0.000	0.461	mg/L
	Co	59	121878.055	0.301	0.007129	0.000	0.532	mg/L
	Cu	63	150043.903	0.370	0.018011	0.000	0.599	mg/L
	Cu	65	71868.663	0.177	0.018057	0.000	0.673	mg/L
	Zn	66	158025.855	0.390	0.064021	0.000	0.720	mg/L
	Zn	68	132389.709	0.323	0.065970	0.001	1.432	mg/L
>	Ge	72	404177.062	404177.062				mg/L
	As	75	36664.783	0.087	0.010554	0.000	0.761	mg/L
	Se	77	491.686	0.001	0.000961	0.000	11.321	mg/L
	Se	82	146.855	0.000	0.000158	0.000	60.671	mg/L
>	Rh	103	291078.755	291078.755				mg/L
	Ag	107	1200.098	0.004	0.000076	0.000	1.209	mg/L
	Cd	111	2016.164	0.007	0.000536	0.000	2.604	mg/L
	Cd	114	2120.407	0.007	0.000245	0.000	1.810	mg/L
	Tl	203	1531.490	0.005	0.000132	0.000	7.221	mg/L
	Tl	205	3589.142	0.011	0.000130	0.000	3.901	mg/L
	Pb	208	1328476.010	4.013	0.036423	0.001	2.857	mg/L
>	Bi	209	331064.788	331064.788				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	79.151
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	93.421
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	97.759
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

101.067

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	298010.884	298010.884		mg/L
Be	9	199.004	0.001	0.000599	mg/L
V	51	340192.089	0.831	0.019084	mg/L
Cr	52	229807.584	0.527	0.013804	mg/L
Cr	53	30143.721	0.063	0.014163	mg/L
Co	59	121279.348	0.302	0.007142	mg/L
Cu	63	149462.281	0.371	0.016083	mg/L
Cu	65	70801.046	0.176	0.017933	mg/L
Zn	66	157128.075	0.390	0.084362	mg/L
Zn	68	132203.728	0.328	0.086320	mg/L
Ge	72	401480.873	401480.873		mg/L
As	75	30508.487	0.067	0.010578	mg/L
Se	77	494.020	0.001	0.000983	mg/L
Se	82	177.732	0.000	0.000249	mg/L
Rh	103	293309.438	293309.438		mg/L
Ag	107	1183.097	0.004	0.000078	mg/L
Cd	111	1988.150	0.007	0.000523	mg/L
Cd	114	2086.280	0.007	0.000340	mg/L
Tl	203	1510.152	0.004	0.000128	mg/L
Tl	205	3488.766	0.010	0.000125	mg/L
Pb	208	1308958.888	3.883	0.036337	mg/L
Bi	209	335259.107	335259.107		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	286882.898	286882.898		mg/L
Be	9	204.008	0.001	0.000606	mg/L
V	51	346321.823	0.841	0.019287	mg/L
Cr	52	238868.088	0.543	0.014278	mg/L
Cr	53	30131.678	0.063	0.014088	mg/L
Co	59	121056.168	0.300	0.007087	mg/L
Cu	63	150529.809	0.372	0.016085	mg/L
Cu	65	71828.881	0.177	0.018091	mg/L
Zn	66	158860.388	0.392	0.084446	mg/L
Zn	68	133720.880	0.329	0.086880	mg/L
Ge	72	403671.112	403671.112		mg/L
As	75	39852.897	0.086	0.010918	mg/L
Se	77	516.021	0.001	0.001057	mg/L
Se	82	111.012	0.000	0.000057	mg/L
Rh	103	291305.948	291305.948		mg/L
Ag	107	1212.100	0.004	0.000077	mg/L
Cd	111	2074.842	0.007	0.000551	mg/L
Cd	114	2129.679	0.007	0.000348	mg/L
Tl	203	1458.142	0.004	0.000125	mg/L
Tl	205	3613.620	0.011	0.000130	mg/L
Pb	208	1338953.802	4.024	0.038021	mg/L
Bi	209	332834.888	332834.888		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	286867.891	286867.891		mg/L
Be	9	217.005	0.001	0.000640	mg/L
V	51	340745.178	0.829	0.018824	mg/L
Cr	52	234850.621	0.532	0.014013	mg/L
Cr	53	30354.488	0.063	0.014043	mg/L
Co	59	123298.850	0.303	0.007159	mg/L
Cu	63	150120.589	0.368	0.017857	mg/L
Cu	65	72875.883	0.179	0.018178	mg/L
Zn	66	157988.138	0.387	0.083933	mg/L
Zn	68	131244.738	0.318	0.084900	mg/L
Ge	72	407170.001	407170.001		mg/L
As	75	38836.188	0.088	0.010484	mg/L
Se	77	465.018	0.001	0.000843	mg/L
Se	82	151.822	0.000	0.000169	mg/L
Rh	103	286820.877	286820.877		mg/L
Ag	107	1195.089	0.004	0.000077	mg/L
Cd	111	1967.488	0.007	0.000533	mg/L
Cd	114	2138.291	0.007	0.000249	mg/L
Tl	203	1625.178	0.008	0.000143	mg/L
Tl	205	3857.839	0.011	0.000135	mg/L
Pb	208	1340317.330	4.122	0.037411	mg/L
Bi	209	325103.388	325103.388		mg/L

Sample Information

Sample ID: 1000788-MS1
Autosampler Position: 35
Sample Date/Time: Tuesday, February 02, 2010 14:33:41
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1000788-MS1.037
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	298810.120	298810.120				mg/L
	Be	9	12876.071	0.043	0.037375	0.001	1.362	mg/L
	V	51	1055777.643	2.581	0.059219	0.001	1.955	mg/L
	Cr	52	819665.677	1.971	0.051971	0.001	2.290	mg/L
	Cr	53	100839.503	0.236	0.052838	0.001	1.898	mg/L
	Co	59	755514.170	1.859	0.043971	0.001	1.485	mg/L
	Cu	63	456570.177	1.122	0.054580	0.001	1.622	mg/L
	Cu	65	221152.380	0.544	0.055350	0.001	0.933	mg/L
	Zn	66	239704.807	0.589	0.096639	0.002	1.656	mg/L
	Zn	68	198755.141	0.484	0.098953	0.002	2.265	mg/L
>	Ge	72	406489.593	406489.593				mg/L
	As	75	165489.501	0.403	0.048935	0.001	1.545	mg/L
	Se	77	9653.685	0.023	0.036573	0.001	2.049	mg/L
	Se	82	12892.552	0.031	0.035925	0.000	1.390	mg/L
>	Rh	103	292069.026	292069.026				mg/L
	Ag	107	590253.417	2.021	0.037976	0.001	1.495	mg/L
	Cd	111	143032.241	0.490	0.038157	0.001	2.126	mg/L
	Cd	114	331451.156	1.135	0.038397	0.001	2.771	mg/L
	Tl	203	434690.710	1.293	0.037750	0.001	2.231	mg/L
	Tl	205	1039159.064	3.090	0.037964	0.001	1.345	mg/L
	Pb	208	2870290.018	8.535	0.077468	0.001	1.547	mg/L
>	Bi	209	336277.856	336277.856				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	81.194
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	93.955
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.091
	Ag	106.905	

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	102.658

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	308894.819	308894.819		mg/L
Be	9	13132.471	0.043	0.036867	mg/L
V	51	1068482.522	2.582	0.056457	mg/L
Cr	52	834432.763	1.991	0.052500	mg/L
Cr	53	101429.552	0.238	0.052719	mg/L
Co	59	785173.881	1.987	0.044181	mg/L
Cu	63	451613.857	1.101	0.053068	mg/L
Cu	65	229042.362	0.548	0.056662	mg/L
Zn	66	342931.795	0.583	0.061173	mg/L
Zn	68	198886.894	0.475	0.057121	mg/L
Ge	72	409710.091	409710.091		mg/L
As	75	164282.989	0.387	0.046184	mg/L
Se	77	9808.634	0.023	0.036103	mg/L
Se	82	12818.078	0.031	0.035430	mg/L
Rh	103	299303.983	299303.983		mg/L
Ag	107	581787.589	2.003	0.037628	mg/L
Cd	111	142383.857	0.462	0.037537	mg/L
Cd	114	328752.189	1.112	0.037633	mg/L
Tl	203	425271.901	1.259	0.036778	mg/L
Tl	205	1027343.998	3.042	0.037377	mg/L
Pb	208	2838478.289	8.389	0.076239	mg/L
Bi	209	337883.491	337883.491		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	292443.780	292443.780		mg/L
Be	9	12803.680	0.043	0.037373	mg/L
V	51	1037243.803	2.528	0.057980	mg/L
Cr	52	801548.802	1.920	0.050808	mg/L
Cr	53	98487.448	0.232	0.051900	mg/L
Co	59	745822.840	1.828	0.043239	mg/L
Cu	63	462735.910	1.133	0.058117	mg/L
Cu	65	219836.752	0.538	0.054851	mg/L
Zn	66	243879.854	0.589	0.067908	mg/L
Zn	68	138162.374	0.481	0.066287	mg/L
Ge	73	407636.148	407636.148		mg/L
As	75	169087.007	0.403	0.046823	mg/L
Se	77	8587.808	0.023	0.036179	mg/L
Se	82	12836.483	0.031	0.035916	mg/L
Rh	103	287208.239	287208.239		mg/L
Ag	107	580824.912	2.058	0.038631	mg/L
Cd	111	144085.983	0.502	0.039075	mg/L
Cd	114	336336.571	1.171	0.038612	mg/L
Tl	203	441481.888	1.310	0.038270	mg/L
Tl	205	1050480.319	3.116	0.038308	mg/L
Pb	208	2877980.127	8.542	0.077539	mg/L
Bi	209	336868.136	336868.136		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	295091.751	295091.751		mg/L
Be	9	12882.083	0.044	0.037988	mg/L
V	51	1081598.803	2.626	0.060239	mg/L
Cr	52	823015.884	2.003	0.052808	mg/L
Cr	53	101581.508	0.241	0.053485	mg/L
Co	59	755748.808	1.841	0.044484	mg/L
Cu	63	455380.784	1.132	0.055085	mg/L
Cu	65	218478.008	0.543	0.055316	mg/L
Zn	66	232526.777	0.578	0.064641	mg/L
Zn	68	201417.056	0.487	0.101462	mg/L
Ge	72	401820.442	401820.442		mg/L
As	75	166126.486	0.410	0.048888	mg/L
Se	77	9763.614	0.024	0.037437	mg/L
Se	82	12923.115	0.032	0.038429	mg/L
Rh	103	293466.669	293466.669		mg/L
Ag	107	566467.741	2.006	0.037672	mg/L
Cd	111	142637.376	0.498	0.037858	mg/L
Cd	114	329264.727	1.122	0.037946	mg/L
Tl	203	437316.730	1.508	0.036200	mg/L
Tl	205	1038682.982	3.110	0.036207	mg/L
Pb	208	2896443.638	8.663	0.078832	mg/L
Bi	209	334303.988	334303.988		mg/L

Sample Information

Sample ID: 1000788-MSD1
Autosampler Position: 36
Sample Date/Time: Tuesday, February 02, 2010 14:37:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1000788-MSD1.038
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	301765.570	301765.570				mg/L
	Be	9	12892.430	0.043	0.037063	0.001	2.214	mg/L
	V	51	1088533.460	2.631	0.060359	0.001	1.064	mg/L
	Cr	52	864240.045	2.057	0.054216	0.000	0.694	mg/L
	Cr	53	105103.144	0.244	0.054512	0.001	1.338	mg/L
	Co	59	760114.649	1.848	0.043728	0.000	0.820	mg/L
	Cu	63	459904.699	1.118	0.054342	0.001	2.083	mg/L
	Cu	65	220034.839	0.535	0.054439	0.001	1.314	mg/L
	Zn	66	228338.184	0.554	0.090999	0.002	1.656	mg/L
	Zn	68	188861.020	0.455	0.092878	0.001	0.795	mg/L
>	Ge	72	411210.519	411210.519				mg/L
	As	75	162194.392	0.391	0.047390	0.000	0.809	mg/L
	Se	77	9759.142	0.023	0.036543	0.000	0.806	mg/L
	Se	82	13118.433	0.032	0.036135	0.001	2.040	mg/L
>	Rh	103	289574.673	289574.673				mg/L
	Ag	107	582944.946	2.013	0.037824	0.000	1.100	mg/L
	Cd	111	141210.612	0.488	0.037989	0.001	1.437	mg/L
	Cd	114	322070.733	1.112	0.037621	0.001	2.077	mg/L
	Tl	203	430495.061	1.281	0.037414	0.002	4.475	mg/L
	Tl	205	1034759.133	3.079	0.037824	0.001	2.553	mg/L
	Pb	208	2842702.645	8.457	0.076766	0.002	2.600	mg/L
>	Bi	209	336177.780	336177.780				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	81.997
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	95.046
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	97.253
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

102.628

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	313640.273	313640.273		mg/L
Be	9	13138.480	0.042	0.036325	mg/L
V	51	1087534.897	2.631	0.060364	mg/L
Cr	52	863221.708	2.058	0.054198	mg/L
Cr	53	105833.110	0.248	0.056018	mg/L
Co	59	785048.859	1.862	0.044081	mg/L
Cu	63	446823.132	1.082	0.053091	mg/L
Cu	65	217054.583	0.528	0.053747	mg/L
Zn	66	223678.847	0.544	0.080288	mg/L
Zn	68	188175.747	0.453	0.082617	mg/L
Ge	72	410852.328	410852.328		mg/L
As	75	180584.600	0.387	0.046980	mg/L
Se	77	9869.704	0.023	0.036231	mg/L
Se	82	13024.410	0.031	0.036803	mg/L
Rh	103	288828.157	288828.157		mg/L
Ag	107	574522.158	1.966	0.037381	mg/L
Cd	111	139852.003	0.484	0.037708	mg/L
Cd	114	313834.171	1.085	0.036718	mg/L
Tl	203	417521.827	1.218	0.036867	mg/L
Tl	205	1030143.008	3.008	0.036918	mg/L
Pb	208	2818535.320	8.224	0.074846	mg/L
Bi	209	342795.808	342795.808		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	295137.323	295137.323		mg/L
Be	9	12916.129	0.044	0.037947	mg/L
V	51	1062824.845	2.603	0.059720	mg/L
Cr	52	863088.697	2.043	0.053649	mg/L
Cr	53	108274.417	0.248	0.054648	mg/L
Co	59	765242.673	1.851	0.043791	mg/L
Cu	63	470436.700	1.137	0.055285	mg/L
Cu	65	221024.840	0.534	0.054384	mg/L
Zn	66	230822.053	0.557	0.081543	mg/L
Zn	68	186710.848	0.452	0.082308	mg/L
Ge	72	413393.514	413393.514		mg/L
As	75	164088.544	0.393	0.047897	mg/L
Se	77	9820.662	0.023	0.036580	mg/L
Se	82	12973.701	0.031	0.035541	mg/L
Rh	103	287640.841	287640.841		mg/L
Ag	107	564288.161	2.031	0.036188	mg/L
Cd	111	142569.109	0.499	0.038819	mg/L
Cd	114	323774.291	1.128	0.038076	mg/L
Tl	203	441038.200	1.330	0.038833	mg/L
Tl	205	1048616.931	3.161	0.038840	mg/L
Pb	208	2872707.550	8.661	0.078612	mg/L
Bi	209	331648.853	331648.853		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	298519.113	298519.113		mg/L
Be	9	12623.580	0.043	0.036917	mg/L
V	51	1066240.537	2.659	0.061004	mg/L
Cr	52	866401.732	2.071	0.054801	mg/L
Cr	53	103101.904	0.240	0.053678	mg/L
Co	59	750064.414	1.832	0.043342	mg/L
Cu	63	460354.263	1.124	0.054840	mg/L
Cu	65	222025.014	0.542	0.055178	mg/L
Zn	66	230213.851	0.561	0.082157	mg/L
Zn	68	189806.867	0.459	0.083711	mg/L
Ge	72	408385.718	408385.718		mg/L
As	75	161488.031	0.382	0.047514	mg/L
Se	77	9788.841	0.023	0.036917	mg/L
Se	82	13357.189	0.032	0.036580	mg/L
Rh	103	282158.021	282158.021		mg/L
Ag	107	560013.521	2.018	0.037944	mg/L
Cd	111	141180.725	0.463	0.037843	mg/L
Cd	114	328803.748	1.125	0.038088	mg/L
Tl	203	432927.056	1.286	0.037841	mg/L
Tl	205	1025617.456	3.070	0.037714	mg/L
Pb	208	2835685.086	8.467	0.077037	mg/L
Bi	209	334088.582	334088.582		mg/L

Sample Information

Sample ID: 0B02020-CCV

Autosampler Position: 2

Sample Date/Time: Tuesday, February 02, 2010 14:40:32

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Number of Replicates: 3

Sample File: C:\Elandata\Sample\0B02020.sam

Method File: c:\elandata\Method\Solid_6020A_201.mth

Dataset File: C:\Elandata\DataSet\0B02020\0B02020-CCV.039

Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun

Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	287416.054	287416.054				mg/L
	Be	9	12188.705	0.042	0.036773	0.000	1.250	mg/L
	V	51	654312.822	1.650	0.037863	0.001	1.336	mg/L
	Cr	52	569508.050	1.405	0.037046	0.000	1.139	mg/L
	Cr	53	70735.380	0.168	0.037650	0.000	0.565	mg/L
	Co	59	651586.927	1.659	0.039263	0.001	1.294	mg/L
	Cu	63	313340.146	0.797	0.038769	0.000	0.679	mg/L
	Cu	65	149935.357	0.381	0.038840	0.000	0.894	mg/L
	Zn	66	91076.418	0.231	0.037912	0.001	2.648	mg/L
	Zn	68	75212.642	0.187	0.038191	0.000	1.215	mg/L
>	Ge	72	392622.529	392622.529				mg/L
	As	75	131396.016	0.331	0.040145	0.001	1.508	mg/L
	Se	77	9843.910	0.024	0.038662	0.000	1.225	mg/L
	Se	82	13559.633	0.034	0.039135	0.000	0.626	mg/L
>	Rh	103	303497.210	303497.210				mg/L
	Ag	107	619750.558	2.042	0.038371	0.001	1.538	mg/L
	Cd	111	141815.402	0.467	0.036401	0.000	0.720	mg/L
	Cd	114	330273.672	1.088	0.036816	0.001	2.110	mg/L
	Tl	203	437794.350	1.318	0.038490	0.000	0.777	mg/L
	Tl	205	1038738.839	3.127	0.038421	0.000	0.479	mg/L
	Pb	208	1404648.494	4.228	0.038375	0.000	0.854	mg/L
>	Bi	209	332144.601	332144.601				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	78.098
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	90.750
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.929
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

101.396

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	288310.312	288310.312		mg/L
Be	9	12742.883	0.043	0.038818	mg/L
V	51	656008.034	1.831	0.037428	mg/L
Cr	52	583758.143	1.421	0.037481	mg/L
Cr	53	72183.828	0.170	0.037885	mg/L
Co	59	658457.836	1.654	0.039124	mg/L
Cu	63	315366.447	0.791	0.038479	mg/L
Cu	65	150801.389	0.378	0.038443	mg/L
Zn	66	80130.687	0.225	0.038880	mg/L
Zn	68	75435.646	0.185	0.037758	mg/L
Ge	72	398139.812	398139.812		mg/L
As	75	132838.788	0.330	0.040019	mg/L
Se	77	9856.823	0.024	0.038158	mg/L
Se	82	13801.100	0.034	0.038263	mg/L
Rh	103	308879.028	308879.028		mg/L
Ag	107	616109.478	2.008	0.037748	mg/L
Cd	111	142384.188	0.464	0.038189	mg/L
Cd	114	328488.888	1.071	0.038232	mg/L
Tl	203	432443.809	1.310	0.038289	mg/L
Tl	205	1034248.748	3.134	0.038504	mg/L
Pb	208	1381810.808	4.188	0.037999	mg/L
Bi	209	329884.780	329884.780		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	280043.457	280043.457		mg/L
Be	9	11984.748	0.043	0.037142	mg/L
V	51	651935.317	1.845	0.037745	mg/L
Cr	52	582721.228	1.388	0.038818	mg/L
Cr	53	70455.286	0.168	0.037519	mg/L
Co	59	644161.386	1.842	0.038838	mg/L
Cu	63	313679.717	0.799	0.038838	mg/L
Cu	65	150800.711	0.384	0.038088	mg/L
Zn	66	93580.436	0.237	0.038862	mg/L
Zn	68	75067.247	0.187	0.038132	mg/L
Ge	72	382357.033	382357.033		mg/L
As	75	129587.040	0.327	0.038613	mg/L
Se	77	9848.031	0.025	0.038087	mg/L
Se	82	13586.260	0.034	0.038270	mg/L
Rh	103	299830.012	299830.012		mg/L
Ag	107	621271.434	2.071	0.038918	mg/L
Cd	111	141251.182	0.471	0.038886	mg/L
Cd	114	334280.530	1.114	0.037887	mg/L
Tl	203	436586.849	1.314	0.038371	mg/L
Tl	205	1038136.847	3.110	0.038209	mg/L
Pb	208	1419884.108	4.244	0.038523	mg/L
Bi	209	333781.640	333781.640		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	282884.393	282884.393		mg/L
Be	9	11828.507	0.042	0.036258	mg/L
V	51	654888.114	1.874	0.038417	mg/L
Cr	52	582044.780	1.408	0.037058	mg/L
Cr	53	69587.026	0.168	0.037535	mg/L
Co	59	652141.749	1.883	0.039928	mg/L
Cu	63	310952.276	0.802	0.038883	mg/L
Cu	65	148503.892	0.383	0.038866	mg/L
Zn	66	88616.131	0.230	0.037764	mg/L
Zn	68	75145.034	0.189	0.038691	mg/L
Ge	72	387370.841	387370.841		mg/L
As	75	131752.221	0.336	0.040803	mg/L
Se	77	9729.774	0.025	0.038731	mg/L
Se	82	13281.539	0.034	0.038853	mg/L
Rh	103	303886.590	303886.590		mg/L
Ag	107	621870.761	2.048	0.038448	mg/L
Cd	111	141800.857	0.467	0.038349	mg/L
Cd	114	328071.587	1.080	0.038518	mg/L
Tl	203	442353.282	1.330	0.038830	mg/L
Tl	205	1043632.828	3.137	0.038548	mg/L
Pb	208	1415170.585	4.253	0.038803	mg/L
Bi	209	332887.374	332887.374		mg/L

Sample Information

Sample ID: 0B02020-CCB

Autosampler Position: 1
Sample Date/Time: Tuesday, February 02, 2010 14:43:54
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\0B02020-CCB.040
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	283662.080	283662.080				mg/L
	Be	9	9.000	0.000	0.000016	0.000	68.571	mg/L
	V	51	6262.374	0.000	0.000000	0.000	1030.748	mg/L
	Cr	52	17707.310	0.001	0.000032	0.000	56.674	mg/L
	Cr	53	4529.943	0.000	0.000035	0.000	109.959	mg/L
	Co	59	164.003	0.000	0.000005	0.000	29.410	mg/L
	Cu	63	470.018	0.000	0.000019	0.000	23.229	mg/L
	Cu	65	239.006	0.000	0.000015	0.000	23.094	mg/L
	Zn	66	425.348	0.000	0.000001	0.000	1108.018	mg/L
	Zn	68	1922.574	0.000	0.000084	0.000	22.818	mg/L
>	Ge	72	381054.589	381054.589				mg/L
	As	75	1433.404	0.000	0.000007	0.000	570.530	mg/L
	Se	77	244.339	0.000	0.000051	0.000	101.541	mg/L
	Se	82	45.077	-0.000	-0.000122	0.000	121.405	mg/L
>	Rh	103	291231.862	291231.862				mg/L
	Ag	107	422.015	0.001	0.000026	0.000	28.454	mg/L
	Cd	111	25.380	0.000	0.000003	0.000	141.331	mg/L
	Cd	114	54.736	0.000	0.000005	0.000	32.793	mg/L
	Tl	203	118.669	0.000	0.000007	0.000	54.036	mg/L
	Tl	205	287.341	0.001	0.000007	0.000	34.908	mg/L
	Pb	208	691.685	0.001	0.000009	0.000	10.266	mg/L
>	Bi	209	325148.322	325148.322				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	77.078
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	88.076
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	97.810
	Ag	106.905	

: 00557

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.261

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	298240.869	298240.869		mg/L
Be	9	13.000	0.000	0.000027	mg/L
V	51	6242.775	-0.000	-0.000008	mg/L
Cr	52	18186.039	0.002	0.000083	mg/L
Cr	53	4695.344	0.000	0.000076	mg/L
Co	59	191.004	0.000	0.000008	mg/L
Cu	63	513.021	0.000	0.000023	mg/L
Cu	65	253.008	0.000	0.000016	mg/L
Zn	66	444.018	0.000	0.000007	mg/L
Zn	68	1871.253	0.000	0.000089	mg/L
Ge	72	385031.888	385031.888		mg/L
As	75	1545.229	0.000	0.000038	mg/L
Se	77	261.007	0.000	0.000108	mg/L
Se	82	102.783	0.000	0.000048	mg/L
Rh	103	292053.448	292053.448		mg/L
Ag	107	590.024	0.002	0.000034	mg/L
Cd	111	40.762	0.000	0.000007	mg/L
Cd	114	62.789	0.000	0.000009	mg/L
Tl	203	189.005	0.000	0.000012	mg/L
Tl	205	366.012	0.001	0.000010	mg/L
Pb	208	736.020	0.001	0.000011	mg/L
Bi	209	329059.239	329059.239		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	278514.480	278514.480		mg/L
Be	9	5.000	0.000	0.000005	mg/L
V	51	6257.247	0.000	0.000002	mg/L
Cr	52	17429.378	0.001	0.000020	mg/L
Cr	53	4489.254	0.000	0.000028	mg/L
Co	59	156.003	0.000	0.000005	mg/L
Cu	63	456.017	0.000	0.000017	mg/L
Cu	65	240.009	0.000	0.000018	mg/L
Zn	66	403.014	-0.000	-0.000006	mg/L
Zn	68	1823.241	0.000	0.000080	mg/L
Ge	72	378858.734	378858.734		mg/L
As	75	1280.080	-0.000	-0.000039	mg/L
Se	77	233.006	0.000	0.000010	mg/L
Se	82	20.864	-0.000	-0.000183	mg/L
Rh	103	288331.914	288331.914		mg/L
Ag	107	388.013	0.001	0.000024	mg/L
Cd	111	13.089	-0.000	-0.000001	mg/L
Cd	114	81.810	0.000	0.000008	mg/L
Tl	203	105.002	0.000	0.000008	mg/L
Tl	205	268.007	0.001	0.000007	mg/L
Pb	208	684.018	0.001	0.000008	mg/L
Bi	209	325047.282	325047.282		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	274230.810	274230.810		mg/L
Be	9	9.000	0.000	0.000017	mg/L
V	51	6287.101	0.000	0.000004	mg/L
Cr	52	17497.929	0.001	0.000034	mg/L
Cr	53	4460.232	0.000	0.000002	mg/L
Co	59	143.009	0.000	0.000004	mg/L
Cu	63	441.016	0.000	0.000015	mg/L
Cu	65	224.005	0.000	0.000011	mg/L
Zn	66	429.015	0.000	0.000003	mg/L
Zn	68	1873.229	0.000	0.000082	mg/L
Ge	72	379173.157	379173.157		mg/L
As	75	1474.804	0.000	0.000023	mg/L
Se	77	238.006	0.000	0.000034	mg/L
Se	82	11.628	-0.000	-0.000221	mg/L
Rh	103	282310.223	282310.223		mg/L
Ag	107	327.010	0.001	0.000029	mg/L
Cd	111	22.289	0.000	0.000002	mg/L
Cd	114	39.909	0.000	0.000003	mg/L
Tl	203	82.001	0.000	0.000004	mg/L
Tl	205	229.008	0.000	0.000005	mg/L
Pb	208	653.016	0.001	0.000009	mg/L
Bi	209	321338.488	321338.488		mg/L

Sample Information

Sample ID: 0B02020-SRD1
Autosampler Position: 37
Sample Date/Time: Tuesday, February 02, 2010 14:47:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\0B02020-SRD1.041
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	290829.262	290829.262				mg/L
	Be	9	43.334	0.000	0.000118	0.000	27.769	mg/L
	V	51	75020.926	0.173	0.003977	0.000	0.677	mg/L
	Cr	52	62150.866	0.112	0.002953	0.000	3.227	mg/L
	Cr	53	9539.553	0.012	0.002773	0.000	2.487	mg/L
	Co	59	24809.133	0.063	0.001479	0.000	0.438	mg/L
	Cu	63	31052.738	0.078	0.003779	0.000	1.975	mg/L
	Cu	65	15037.707	0.038	0.003826	0.000	2.861	mg/L
	Zn	66	34166.239	0.085	0.014013	0.000	2.408	mg/L
	Zn	68	29751.314	0.071	0.014431	0.000	2.706	mg/L
>	Ge	72	395359.469	395359.469				mg/L
	As	75	8778.130	0.019	0.002244	0.000	1.373	mg/L
	Se	77	303.342	0.000	0.000251	0.000	14.297	mg/L
	Se	82	58.315	-0.000	-0.000090	0.000	242.619	mg/L
>	Rh	103	288354.890	288354.890				mg/L
	Ag	107	353.678	0.001	0.000022	0.000	7.416	mg/L
	Cd	111	388.483	0.001	0.000101	0.000	2.878	mg/L
	Cd	114	467.854	0.002	0.000053	0.000	4.668	mg/L
	Tl	203	351.344	0.001	0.000027	0.000	13.700	mg/L
	Tl	205	763.376	0.002	0.000025	0.000	1.132	mg/L
	Pb	208	268074.480	0.798	0.007248	0.000	2.180	mg/L
>	Bi	209	335309.229	335309.229				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	79.026
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	91.383
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	96.844
	Ag	106.905	

: 00559

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

102.363

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	307769.292	307769.292		mg/L
Be	9	47.001	0.000	0.000121	mg/L
V	51	76286.818	0.172	0.003954	mg/L
Cr	52	61886.583	0.108	0.002843	mg/L
Co	53	9891.729	0.012	0.002736	mg/L
Ge	58	25278.535	0.082	0.001474	mg/L
Cu	63	31617.181	0.077	0.003762	mg/L
Cu	65	14989.819	0.037	0.003727	mg/L
Zn	66	34186.320	0.083	0.013704	mg/L
Zn	68	29543.572	0.086	0.013983	mg/L
Ge	72	404242.486	404242.486		mg/L
As	75	8858.877	0.018	0.002208	mg/L
Se	77	308.009	0.000	0.000234	mg/L
Se	82	145.540	0.000	0.000155	mg/L
Rh	103	286202.770	286202.770		mg/L
Ag	107	381.013	0.001	0.000024	mg/L
Cd	111	377.131	0.001	0.000088	mg/L
Cd	114	484.387	0.002	0.000056	mg/L
Tl	203	321.009	0.001	0.000024	mg/L
Tl	205	761.042	0.002	0.000024	mg/L
Pb	208	263188.420	0.778	0.007088	mg/L
Bi	209	337836.134	337836.134		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	283383.864	283383.864		mg/L
Be	9	31.000	0.000	0.000084	mg/L
V	51	75388.386	0.175	0.004007	mg/L
Cr	52	62740.825	0.114	0.002889	mg/L
Co	53	9444.443	0.012	0.002729	mg/L
Ge	58	24883.344	0.083	0.001487	mg/L
Cu	63	30471.915	0.076	0.003714	mg/L
Cu	65	14941.532	0.037	0.003807	mg/L
Zn	66	33987.507	0.085	0.013891	mg/L
Zn	68	30053.386	0.073	0.014811	mg/L
Ge	72	394802.437	394802.437		mg/L
As	75	8808.720	0.018	0.002298	mg/L
Se	77	313.009	0.000	0.000253	mg/L
Se	82	-3.984	-0.000	-0.000286	mg/L
Rh	103	291342.184	291342.184		mg/L
Ag	107	350.011	0.001	0.000021	mg/L
Cd	111	402.886	0.001	0.000104	mg/L
Cd	114	448.786	0.001	0.000050	mg/L
Tl	203	340.010	0.001	0.000029	mg/L
Tl	205	772.043	0.002	0.000025	mg/L
Pb	208	274178.301	0.808	0.007331	mg/L
Bi	209	338000.134	338000.134		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	281354.541	281354.541		mg/L
Be	9	52.001	0.000	0.000149	mg/L
V	51	73379.778	0.173	0.003871	mg/L
Cr	52	61826.109	0.114	0.003017	mg/L
Co	53	9482.467	0.013	0.002852	mg/L
Ge	58	24285.520	0.082	0.001477	mg/L
Cu	63	31088.120	0.078	0.003880	mg/L
Cu	65	15181.889	0.039	0.003843	mg/L
Zn	66	34324.689	0.086	0.014373	mg/L
Zn	68	29858.874	0.072	0.014888	mg/L
Ge	72	387233.481	387233.481		mg/L
As	75	8888.883	0.018	0.002288	mg/L
Se	77	291.008	0.000	0.000239	mg/L
Se	82	33.370	-0.000	-0.000156	mg/L
Rh	103	285619.715	285619.715		mg/L
Ag	107	330.010	0.001	0.000020	mg/L
Cd	111	385.421	0.001	0.000101	mg/L
Cd	114	470.377	0.002	0.000054	mg/L
Tl	203	383.013	0.001	0.000031	mg/L
Tl	205	757.042	0.002	0.000025	mg/L
Pb	208	268648.721	0.809	0.007348	mg/L
Bi	209	329272.419	329272.419		mg/L

Sample Information

Sample ID: 1000788-PS1
Autosampler Position: 38
Sample Date/Time: Tuesday, February 02, 2010 14:50:46
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1000788-PS1.042
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	302351.756	302351.756				mg/L
	Be	9	6657.392	0.022	0.019096	0.000	1.815	mg/L
	V	51	695909.064	1.688	0.038731	0.000	0.866	mg/L
	Cr	52	529243.152	1.251	0.032986	0.001	1.777	mg/L
	Cr	53	64341.416	0.146	0.032613	0.001	1.972	mg/L
	Co	59	439811.561	1.077	0.025488	0.001	2.288	mg/L
	Cu	63	300281.138	0.735	0.035734	0.001	2.590	mg/L
	Cu	65	145092.823	0.355	0.036141	0.000	1.199	mg/L
	Zn	66	206327.800	0.504	0.082814	0.001	1.490	mg/L
	Zn	68	172097.444	0.417	0.085182	0.002	2.405	mg/L
>	Ge	72	408299.291	408299.291				mg/L
	As	75	99500.826	0.240	0.029117	0.001	2.724	mg/L
	Se	77	5144.640	0.012	0.018960	0.001	4.269	mg/L
	Se	82	6710.366	0.016	0.018490	0.000	0.233	mg/L
>	Rh	103	289774.428	289774.428				mg/L
	Ag	107	296327.201	1.023	0.019219	0.001	2.901	mg/L
	Cd	111	71879.130	0.248	0.019326	0.000	1.485	mg/L
	Cd	114	162754.129	0.562	0.019007	0.001	3.211	mg/L
	Tl	203	216088.009	0.636	0.018575	0.001	4.301	mg/L
	Tl	205	519068.583	1.528	0.018773	0.001	4.898	mg/L
	Pb	208	1975815.595	5.815	0.052777	0.002	2.905	mg/L
>	Bi	209	339897.636	339897.636				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	82.157
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	94.373
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	97.320
	Ag	106.905	

: 00561

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

103.763

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	314869.675	314869.675		mg/L
Be	9	6801.843	0.022	0.018722	mg/L
V	51	704125.374	1.686	0.036897	mg/L
Cr	52	536862.185	1.260	0.033208	mg/L
Cr	53	84838.821	0.148	0.032808	mg/L
Co	59	435357.838	1.058	0.029029	mg/L
Cu	63	301281.488	0.731	0.035586	mg/L
Cu	65	147031.208	0.357	0.036340	mg/L
Zn	66	208864.056	0.502	0.062429	mg/L
Zn	68	168775.688	0.406	0.063347	mg/L
Ge	72	411442.404	411442.404		mg/L
As	75	97714.184	0.234	0.028358	mg/L
Se	77	5003.552	0.012	0.018256	mg/L
Se	82	6778.048	0.016	0.018535	mg/L
Rh	103	287043.768	287043.768		mg/L
Ag	107	248512.209	1.008	0.018884	mg/L
Cd	111	71408.384	0.248	0.019376	mg/L
Cd	114	180368.387	0.556	0.018800	mg/L
Tl	203	210858.883	0.805	0.017888	mg/L
Tl	205	507184.288	1.456	0.017870	mg/L
Pb	208	1981808.925	5.625	0.051087	mg/L
Bi	209	348629.550	348629.550		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	295681.104	295681.104		mg/L
Be	9	6618.884	0.022	0.018408	mg/L
V	51	683640.467	1.688	0.038880	mg/L
Cr	52	523857.938	1.268	0.033430	mg/L
Cr	53	84001.488	0.149	0.033258	mg/L
Co	59	440891.888	1.106	0.028144	mg/L
Cu	63	301529.214	0.756	0.036731	mg/L
Cu	65	142877.851	0.358	0.036439	mg/L
Zn	66	204489.211	0.513	0.064198	mg/L
Zn	68	172425.288	0.428	0.067382	mg/L
Ge	72	398731.208	398731.208		mg/L
As	75	98888.312	0.247	0.029839	mg/L
Se	77	5249.708	0.013	0.019844	mg/L
Se	82	6536.567	0.016	0.018449	mg/L
Rh	103	298359.088	298359.088		mg/L
Ag	107	300308.207	1.008	0.018911	mg/L
Cd	111	72844.818	0.244	0.018017	mg/L
Cd	114	182813.108	0.548	0.018458	mg/L
Tl	203	218483.191	0.847	0.018682	mg/L
Tl	205	515421.406	1.525	0.018740	mg/L
Pb	208	1991632.001	5.885	0.053234	mg/L
Bi	209	337853.888	337853.856		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	298414.467	298414.467		mg/L
Be	9	6561.640	0.022	0.018161	mg/L
V	51	686881.332	1.671	0.038348	mg/L
Cr	52	527219.335	1.226	0.032322	mg/L
Cr	53	84182.856	0.143	0.031973	mg/L
Co	59	443385.076	1.088	0.025288	mg/L
Cu	63	298032.712	0.718	0.034803	mg/L
Cu	65	145388.414	0.350	0.035844	mg/L
Zn	66	207110.133	0.498	0.061821	mg/L
Zn	68	174081.383	0.415	0.064808	mg/L
Ge	72	414724.282	414724.282		mg/L
As	75	100880.003	0.240	0.029057	mg/L
Se	77	5180.682	0.012	0.018779	mg/L
Se	82	6814.481	0.016	0.018486	mg/L
Rh	103	283920.427	283920.427		mg/L
Ag	107	300163.188	1.057	0.019883	mg/L
Cd	111	71388.188	0.251	0.018584	mg/L
Cd	114	185098.910	0.561	0.018884	mg/L
Tl	203	218620.884	0.857	0.019175	mg/L
Tl	205	534800.075	1.604	0.018709	mg/L
Pb	208	1983808.858	5.863	0.054030	mg/L
Bi	209	333209.403	333209.403		mg/L

: 00562

Sample Information

Sample ID: 1001350-01
Autosampler Position: 39
Sample Date/Time: Tuesday, February 02, 2010 14:54:13
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1001350-01.043
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	301145.266	301145.266				mg/L
	Be	9	55.667	0.000	0.000149	0.000	14.100	mg/L
	V	51	124664.960	0.291	0.006679	0.000	0.535	mg/L
	Cr	52	244686.772	0.558	0.014720	0.000	0.992	mg/L
	Cr	53	31025.965	0.065	0.014487	0.000	0.913	mg/L
	Co	59	43828.392	0.108	0.002553	0.000	0.226	mg/L
	Cu	63	124095.112	0.305	0.014844	0.000	0.896	mg/L
	Cu	65	58617.383	0.144	0.014675	0.000	1.161	mg/L
	Zn	66	117360.633	0.288	0.047357	0.001	1.731	mg/L
	Zn	68	98241.341	0.238	0.048560	0.000	0.303	mg/L
>	Ge	72	405379.694	405379.694				mg/L
	As	75	15312.350	0.034	0.004133	0.000	1.726	mg/L
	Se	77	336.677	0.000	0.000351	0.000	15.391	mg/L
	Se	82	111.639	0.000	0.000058	0.000	170.754	mg/L
>	Rh	103	297929.647	297929.647				mg/L
	Ag	107	835.051	0.003	0.000051	0.000	12.059	mg/L
	Cd	111	774.165	0.003	0.000198	0.000	4.066	mg/L
	Cd	114	1048.269	0.003	0.000117	0.000	7.616	mg/L
	Tl	203	545.023	0.001	0.000043	0.000	6.376	mg/L
	Tl	205	1229.436	0.003	0.000041	0.000	5.860	mg/L
	Pb	208	2710417.329	7.933	0.072005	0.001	0.785	mg/L
>	Bi	209	341636.984	341636.984				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	81.829
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	93.699
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.059
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

104.294

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	310850.584	310850.584		mg/L
Be	9	62.001	0.000	0.000162	mg/L
V	51	124831.752	0.280	0.008884	mg/L
Cr	52	246230.287	0.564	0.014662	mg/L
Cr	53	31132.306	0.086	0.014472	mg/L
Co	59	43958.082	0.108	0.002549	mg/L
Cu	63	123541.235	0.303	0.014718	mg/L
Cu	65	56384.382	0.143	0.014564	mg/L
Zn	66	115833.640	0.283	0.048536	mg/L
Zn	68	98761.766	0.236	0.048810	mg/L
Ge	72	407115.429	407115.429		mg/L
As	75	15129.663	0.033	0.004058	mg/L
Se	77	328.010	0.000	0.000311	mg/L
Se	82	138.823	0.000	0.000132	mg/L
Rh	103	295515.377	295515.377		mg/L
Ag	107	898.057	0.003	0.000056	mg/L
Cd	111	780.088	0.003	0.000186	mg/L
Cd	114	1072.126	0.004	0.000121	mg/L
Tl	203	554.034	0.002	0.000044	mg/L
Tl	205	1278.111	0.003	0.000043	mg/L
Pb	206	2702253.332	7.907	0.071774	mg/L
Bi	209	341688.731	341688.731		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	298743.502	298743.502		mg/L
Be	9	58.001	0.000	0.000160	mg/L
V	51	124388.521	0.280	0.008853	mg/L
Cr	52	243482.489	0.554	0.014506	mg/L
Cr	53	31389.228	0.086	0.014525	mg/L
Co	59	43899.780	0.108	0.002560	mg/L
Cu	63	125585.472	0.308	0.014691	mg/L
Cu	65	58580.684	0.146	0.014870	mg/L
Zn	66	119724.089	0.293	0.048177	mg/L
Zn	68	98191.077	0.237	0.048386	mg/L
Ge	72	408526.702	408526.702		mg/L
As	75	15585.208	0.035	0.004201	mg/L
Se	77	332.010	0.000	0.000329	mg/L
Se	82	125.052	0.000	0.000086	mg/L
Rh	103	298302.100	298302.100		mg/L
Ag	107	879.055	0.003	0.000054	mg/L
Cd	111	748.829	0.002	0.000191	mg/L
Cd	114	1107.268	0.004	0.000124	mg/L
Tl	203	514.021	0.001	0.000040	mg/L
Tl	205	1184.083	0.003	0.000036	mg/L
Pb	206	2718881.184	7.887	0.071582	mg/L
Bi	209	344983.544	344983.544		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	293841.711	293841.711		mg/L
Be	9	48.001	0.000	0.000125	mg/L
V	51	124487.607	0.280	0.008720	mg/L
Cr	52	242327.537	0.551	0.014480	mg/L
Cr	53	30580.312	0.084	0.014382	mg/L
Co	59	43830.383	0.108	0.002559	mg/L
Cu	63	123158.630	0.305	0.014436	mg/L
Cu	65	57907.074	0.143	0.014801	mg/L
Zn	66	116524.174	0.288	0.047358	mg/L
Zn	68	97771.179	0.239	0.048078	mg/L
Ge	72	402486.961	402486.961		mg/L
As	75	15221.982	0.034	0.004136	mg/L
Se	77	350.011	0.000	0.000412	mg/L
Se	82	71.341	-0.000	-0.000054	mg/L
Rh	103	298971.485	298971.485		mg/L
Ag	107	728.039	0.002	0.000044	mg/L
Cd	111	613.800	0.003	0.000207	mg/L
Cd	114	985.415	0.003	0.000107	mg/L
Tl	203	567.025	0.002	0.000046	mg/L
Tl	205	1248.108	0.003	0.000042	mg/L
Pb	206	2710137.482	8.004	0.072649	mg/L
Bi	209	338557.876	338557.876		mg/L

Sample Information

Sample ID: 1001350-02
Autosampler Position: 40
Sample Date/Time: Tuesday, February 02, 2010 14:57:37
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1001350-02.044
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	299901.692	299901.692				mg/L
	Be	9	61.334	0.000	0.000166	0.000	6.927	mg/L
	V	51	159516.552	0.376	0.008621	0.000	1.758	mg/L
	Cr	52	133622.826	0.283	0.007467	0.000	0.353	mg/L
	Cr	53	17906.398	0.032	0.007218	0.000	0.546	mg/L
	Co	59	38261.023	0.094	0.002220	0.000	2.167	mg/L
	Cu	63	252344.700	0.620	0.030126	0.001	1.833	mg/L
	Cu	65	121785.510	0.299	0.030441	0.001	2.865	mg/L
	Zn	66	216937.933	0.532	0.087391	0.001	1.296	mg/L
	Zn	68	172719.138	0.420	0.085789	0.001	1.398	mg/L
>	Ge	72	406810.846	406810.846				mg/L
	As	75	14152.072	0.031	0.003771	0.000	2.054	mg/L
	Se	77	291.008	0.000	0.000168	0.000	54.150	mg/L
	Se	82	108.201	0.000	0.000047	0.000	244.338	mg/L
>	Rh	103	289397.816	289397.816				mg/L
	Ag	107	653.365	0.002	0.000041	0.000	3.514	mg/L
	Cd	111	764.104	0.003	0.000201	0.000	5.704	mg/L
	Cd	114	1047.806	0.004	0.000121	0.000	2.683	mg/L
	Tl	203	555.691	0.002	0.000046	0.000	4.493	mg/L
	Tl	205	1312.783	0.004	0.000045	0.000	4.214	mg/L
	Pb	208	1244377.998	3.764	0.034161	0.001	2.101	mg/L
>	Bi	209	330616.282	330616.282				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	81.491
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	94.029
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	97.194
	Ag	106.905	

00565

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.930

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	310710.501	310710.501		mg/L
Be	9	67.001	0.000	0.000176	mg/L
V	51	158497.443	0.371	0.008507	mg/L
Cr	52	134852.688	0.282	0.007436	mg/L
Cr	53	18088.748	0.032	0.007183	mg/L
Co	59	37788.883	0.082	0.002165	mg/L
Cu	63	250220.818	0.807	0.029498	mg/L
Cu	65	118643.947	0.290	0.028526	mg/L
Zn	66	218412.170	0.524	0.086084	mg/L
Zn	68	173184.785	0.416	0.084937	mg/L
Ge	72	411936.918	411936.918		mg/L
As	75	14077.008	0.030	0.003888	mg/L
Se	77	319.009	0.000	0.000262	mg/L
Se	82	88.477	-0.000	-0.000011	mg/L
Rh	103	289321.564	289321.564		mg/L
Ag	107	855.032	0.002	0.000041	mg/L
Cd	111	756.247	0.003	0.000200	mg/L
Cd	114	1058.138	0.004	0.000122	mg/L
Tl	203	552.024	0.002	0.000044	mg/L
Tl	205	1279.111	0.004	0.000043	mg/L
Pb	208	1238746.913	3.674	0.033347	mg/L
Bi	209	337078.473	337078.473		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	293804.430	293804.430		mg/L
Be	9	61.001	0.000	0.000169	mg/L
V	51	161179.848	0.383	0.008783	mg/L
Cr	52	132562.682	0.284	0.007474	mg/L
Cr	53	17737.033	0.032	0.007209	mg/L
Co	59	36308.222	0.086	0.002242	mg/L
Cu	63	252088.828	0.824	0.030355	mg/L
Cu	65	124016.218	0.307	0.031283	mg/L
Zn	66	216743.822	0.536	0.088068	mg/L
Zn	68	170210.407	0.417	0.085269	mg/L
Ge	72	403301.480	403301.480		mg/L
As	75	14298.372	0.032	0.003951	mg/L
Se	77	288.007	0.000	0.000080	mg/L
Se	82	80.812	-0.000	-0.000028	mg/L
Rh	103	286456.018	286456.018		mg/L
Ag	107	668.033	0.002	0.000043	mg/L
Cd	111	717.908	0.002	0.000191	mg/L
Cd	114	1005.690	0.003	0.000117	mg/L
Tl	203	577.028	0.002	0.000048	mg/L
Tl	205	1322.118	0.004	0.000049	mg/L
Pb	208	1242531.161	3.784	0.034436	mg/L
Bi	209	327422.614	327422.614		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	295180.148	295180.148		mg/L
Be	9	58.001	0.000	0.000164	mg/L
V	51	157872.285	0.373	0.008562	mg/L
Cr	52	133433.103	0.284	0.007489	mg/L
Cr	53	17913.412	0.032	0.007281	mg/L
Co	59	36687.864	0.086	0.002254	mg/L
Cu	63	254713.658	0.828	0.030528	mg/L
Cu	65	121698.387	0.300	0.030534	mg/L
Zn	66	217856.008	0.536	0.088024	mg/L
Zn	68	174782.224	0.427	0.087181	mg/L
Ge	72	405195.131	405195.131		mg/L
As	75	14082.836	0.031	0.003787	mg/L
Se	77	288.008	0.000	0.000161	mg/L
Se	82	156.314	0.000	0.000181	mg/L
Rh	103	282418.688	282418.688		mg/L
Ag	107	637.031	0.002	0.000040	mg/L
Cd	111	818.160	0.003	0.000214	mg/L
Cd	114	1078.630	0.004	0.000123	mg/L
Tl	203	538.023	0.002	0.000045	mg/L
Tl	205	1337.121	0.004	0.000047	mg/L
Pb	208	1291858.919	3.823	0.034702	mg/L
Bi	209	327347.757	327347.757		mg/L

: 00566

Sample Information

Sample ID: 1001350-03
Autosampler Position: 41
Sample Date/Time: Tuesday, February 02, 2010 15:00:58
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1001350-03.045
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

x40

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	298894.997	298894.997				mg/L
	Be	9	9.333	0.000	0.000016	0.000	52.097	mg/L
	V	51	20322.782	0.035	0.000811	0.000	3.943	mg/L
	Cr	52	65201.103	0.121	0.003185	0.000	2.698	mg/L
	Cr	53	9661.028	0.013	0.002879	0.000	3.806	mg/L
	Co	59	3755.550	0.009	0.000221	0.000	1.619	mg/L
	Cu	63	443605.263	1.129	0.054892	0.001	1.030	mg/L
	Cu	65	210239.901	0.535	0.054466	0.000	0.637	mg/L
	Zn	66	61340.215	0.155	0.025472	0.000	1.496	mg/L
	Zn	68	50664.051	0.124	0.025417	0.001	2.499	mg/L
>	Ge	72	392702.915	392702.915				mg/L
	As	75	2596.731	0.003	0.000353	0.000	6.573	mg/L
	Se	77	245.673	0.000	0.000028	0.000	304.702	mg/L
	Se	82	21.224	-0.000	-0.000192	0.000	148.143	mg/L
>	Rh	103	294736.706	294736.706				mg/L
	Ag	107	171.337	0.001	0.000010	0.000	6.987	mg/L
	Cd	111	473.053	0.002	0.000121	0.000	6.076	mg/L
	Cd	114	984.462	0.003	0.000111	0.000	5.477	mg/L
	Tl	203	66.668	0.000	0.000003	0.000	18.735	mg/L
	Tl	205	143.336	0.000	0.000002	0.000	29.646	mg/L
	Pb	208	366739.129	1.124	0.010202	0.000	0.695	mg/L
>	Bi	209	325964.955	325964.955				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	81.217
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	90.768
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.987
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.510

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	308907.269	308907.269		mg/L
Be	9	12.000	0.000	0.000023	mg/L
V	51	20722.842	0.036	0.000819	mg/L
Cr	52	86409.222	0.123	0.003211	mg/L
Cr	53	9632.886	0.013	0.002907	mg/L
Co	59	3745.879	0.009	0.000218	mg/L
Cu	63	443631.881	1.115	0.054242	mg/L
Cu	65	211530.143	0.532	0.054128	mg/L
Zn	66	61778.753	0.154	0.025332	mg/L
Zn	68	50741.519	0.123	0.025125	mg/L
Ge	72	387580.107	387580.107		mg/L
As	75	2541.656	0.003	0.000328	mg/L
Se	77	256.008	0.000	0.000088	mg/L
Se	82	-80.711	-0.000	-0.000618	mg/L
Rh	103	287331.306	287331.306		mg/L
Ag	107	185.004	0.001	0.000010	mg/L
Cd	111	445.986	0.001	0.000113	mg/L
Cd	114	947.236	0.003	0.000108	mg/L
Tl	203	88.001	0.000	0.000003	mg/L
Tl	205	136.003	0.000	0.000002	mg/L
Pb	208	382459.328	1.118	0.010123	mg/L
Bi	209	324879.206	324879.206		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	294822.576	294822.576		mg/L
Be	9	8.000	0.000	0.000007	mg/L
V	51	20293.629	0.037	0.000836	mg/L
Cr	52	84672.827	0.123	0.003259	mg/L
Cr	53	9560.811	0.013	0.002971	mg/L
Co	59	3728.870	0.009	0.000229	mg/L
Cu	63	435130.507	1.134	0.056191	mg/L
Cu	65	208138.229	0.535	0.054449	mg/L
Zn	66	60889.247	0.158	0.025803	mg/L
Zn	68	50834.082	0.128	0.026149	mg/L
Ge	72	383298.554	383298.554		mg/L
As	75	2578.589	0.003	0.000367	mg/L
Se	77	258.008	0.000	0.000094	mg/L
Se	82	90.739	0.000	0.000014	mg/L
Rh	103	293021.569	293021.569		mg/L
Ag	107	183.003	0.000	0.000009	mg/L
Cd	111	478.836	0.002	0.000123	mg/L
Cd	114	988.373	0.003	0.000110	mg/L
Tl	203	72.001	0.000	0.000003	mg/L
Tl	205	130.002	0.000	0.000002	mg/L
Pb	208	387308.743	1.130	0.010260	mg/L
Bi	209	324823.186	324823.186		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	293156.149	293156.149		mg/L
Be	9	10.000	0.000	0.000018	mg/L
V	51	19861.676	0.034	0.000776	mg/L
Cr	52	84321.481	0.117	0.003080	mg/L
Cr	53	9558.578	0.012	0.002758	mg/L
Co	59	3793.901	0.008	0.000221	mg/L
Cu	63	451853.332	1.137	0.055272	mg/L
Cu	65	214061.333	0.538	0.054822	mg/L
Zn	66	61354.849	0.153	0.025180	mg/L
Zn	68	50418.552	0.122	0.024891	mg/L
Ge	72	387232.082	387232.082		mg/L
As	75	2669.669	0.003	0.000388	mg/L
Se	77	225.006	-0.000	-0.000087	mg/L
Se	82	63.647	-0.000	-0.000073	mg/L
Rh	103	293857.245	293857.245		mg/L
Ag	107	188.003	0.000	0.000009	mg/L
Cd	111	484.222	0.002	0.000127	mg/L
Cd	114	1038.774	0.003	0.000118	mg/L
Tl	203	62.001	0.000	0.000003	mg/L
Tl	205	162.003	0.000	0.000003	mg/L
Pb	208	370449.316	1.128	0.010223	mg/L
Bi	209	328585.482	328585.482		mg/L

Sample Information

Sample ID: 1001350-03
Autosampler Position: 42
Sample Date/Time: Tuesday, February 02, 2010 15:05:02
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1001350-03.046
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	298164.460	298164.460				mg/L
	Be	9	11.333	0.000	0.000022	0.000	80.612	mg/L
	V	51	34402.614	0.070	0.001607	0.000	3.659	mg/L
	Cr	52	112438.969	0.237	0.006255	0.000	2.618	mg/L
	Cr	53	15217.034	0.027	0.005925	0.000	3.055	mg/L
	Co	59	7453.407	0.018	0.000438	0.000	1.196	mg/L
	Cu	63	884628.822	2.222	0.108030	0.001	0.720	mg/L
	Cu	65	423964.678	1.065	0.108409	0.002	1.527	mg/L
	Zn	66	123785.965	0.310	0.050880	0.000	0.410	mg/L
	Zn	68	99602.809	0.246	0.050172	0.001	2.009	mg/L
>	Ge	72	398063.566	398063.566				mg/L
	As	75	3767.183	0.006	0.000699	0.000	2.617	mg/L
	Se	77	263.007	0.000	0.000082	0.000	27.208	mg/L
	Se	82	100.907	0.000	0.000033	0.000	188.814	mg/L
>	Rh	103	291983.306	291983.306				mg/L
	Ag	107	249.673	0.001	0.000015	0.000	4.304	mg/L
	Cd	111	945.029	0.003	0.000248	0.000	6.023	mg/L
	Cd	114	2017.359	0.007	0.000232	0.000	4.655	mg/L
	Tl	203	110.335	0.000	0.000006	0.000	7.474	mg/L
	Tl	205	266.674	0.001	0.000006	0.000	12.886	mg/L
	Pb	208	729440.318	2.179	0.019781	0.000	1.861	mg/L
>	Bi	209	334609.663	334609.663				mg/L

x20

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	81.019
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	92.008
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.062
	Ag	106.905	

00569

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

102.149

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	308946.021	308946.021		mg/L
Be	9	9.000	0.000	0.000014	mg/L
V	51	35121.529	0.073	0.001670	mg/L
Cr	52	113520.108	0.243	0.008410	mg/L
Cr	53	15407.384	0.027	0.008126	mg/L
Co	59	7418.372	0.019	0.000442	mg/L
Cu	63	880586.470	2.236	0.108738	mg/L
Cu	65	425478.584	1.080	0.110012	mg/L
Zn	66	122344.784	0.310	0.050862	mg/L
Zn	68	96312.487	0.245	0.050072	mg/L
Ge	72	383849.828	383849.828		mg/L
As	75	3785.888	0.008	0.000718	mg/L
Se	77	788.007	0.000	0.000108	mg/L
Se	82	87.423	-0.000	-0.000003	mg/L
Rh	103	288288.872	288288.872		mg/L
Ag	107	238.008	0.001	0.000014	mg/L
Cd	111	879.288	0.003	0.000233	mg/L
Cd	114	1941.780	0.007	0.000226	mg/L
Tl	203	107.002	0.000	0.000008	mg/L
Tl	205	284.008	0.001	0.000007	mg/L
Pb	208	725426.077	2.148	0.019483	mg/L
Bi	209	337801.807	337801.807		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	293825.141	293825.141		mg/L
Be	9	7.000	0.000	0.000010	mg/L
V	51	33826.322	0.069	0.001554	mg/L
Cr	52	111256.888	0.231	0.008094	mg/L
Cr	53	15148.808	0.028	0.008779	mg/L
Co	59	7804.544	0.019	0.000441	mg/L
Cu	63	868882.776	2.204	0.107196	mg/L
Cu	65	429747.832	1.088	0.108511	mg/L
Zn	66	125891.034	0.311	0.051101	mg/L
Zn	68	98866.438	0.241	0.048219	mg/L
Ge	72	403089.839	403089.839		mg/L
As	75	3813.130	0.008	0.000686	mg/L
Se	77	291.007	0.000	0.000081	mg/L
Se	82	88.364	-0.000	-0.000003	mg/L
Rh	103	294386.785	294386.785		mg/L
Ag	107	258.007	0.001	0.000015	mg/L
Cd	111	955.382	0.003	0.000249	mg/L
Cd	114	1963.276	0.007	0.000228	mg/L
Tl	203	117.003	0.000	0.000007	mg/L
Tl	205	279.007	0.001	0.000007	mg/L
Pb	208	729245.556	2.165	0.019853	mg/L
Bi	209	338830.911	338830.911		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	291020.219	291020.219		mg/L
Be	9	18.000	0.000	0.000043	mg/L
V	51	34197.884	0.070	0.001586	mg/L
Cr	52	112539.836	0.238	0.008272	mg/L
Cr	53	15084.610	0.028	0.008688	mg/L
Co	59	7340.308	0.018	0.000432	mg/L
Cu	63	884347.217	2.224	0.108158	mg/L
Cu	65	416888.819	1.048	0.108705	mg/L
Zn	66	123123.088	0.309	0.050866	mg/L
Zn	68	101507.480	0.251	0.051227	mg/L
Ge	72	397443.831	397443.831		mg/L
As	75	3702.534	0.008	0.000681	mg/L
Se	77	282.007	0.000	0.000080	mg/L
Se	82	125.912	0.000	0.000105	mg/L
Rh	103	292288.480	292288.480		mg/L
Ag	107	255.008	0.001	0.000015	mg/L
Cd	111	1000.429	0.003	0.000263	mg/L
Cd	114	2127.039	0.007	0.000244	mg/L
Tl	203	107.002	0.000	0.000008	mg/L
Tl	205	237.008	0.000	0.000005	mg/L
Pb	208	733250.322	2.229	0.020188	mg/L
Bi	209	329386.170	329386.170		mg/L

Sample Information

Sample ID: 1001350-03
Autosampler Position: 43
Sample Date/Time: Tuesday, February 02, 2010 15:08:24
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1001350-03.047
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	298320.935	298320.935				mg/L
	Be	9	22.000	0.000	0.000053	0.000	20.808	mg/L
	V	51	62651.188	0.141	0.003231	0.000	3.069	mg/L
	Cr	52	203716.853	0.466	0.012288	0.000	2.790	mg/L
	Cr	53	26232.492	0.054	0.012094	0.000	1.303	mg/L
	Co	59	14939.867	0.037	0.000882	0.000	1.363	mg/L
	Cu	63	1739010.088	4.364	0.212215	0.006	2.671	mg/L
	Cu	65	835405.895	2.096	0.213444	0.003	1.282	mg/L
	Zn	66	246061.510	0.616	0.101220	0.001	1.006	mg/L
	Zn	68	197156.390	0.490	0.100135	0.002	1.573	mg/L
>	Ge	72	398504.130	398504.130				mg/L
	As	75	6055.563	0.011	0.001394	0.000	2.506	mg/L
	Se	77	281.341	0.000	0.000155	0.000	49.790	mg/L
	Se	82	87.959	-0.000	-0.000006	0.000	2191.560	mg/L
>	Rh	103	297475.804	297475.804				mg/L
	Ag	107	417.015	0.001	0.000025	0.000	4.640	mg/L
	Cd	111	1890.779	0.006	0.000491	0.000	1.329	mg/L
	Cd	114	4034.888	0.014	0.000457	0.000	1.803	mg/L
	Tl	203	203.005	0.000	0.000014	0.000	8.400	mg/L
	Tl	205	454.684	0.001	0.000013	0.000	8.734	mg/L
	Pb	208	1469041.210	4.405	0.039988	0.001	3.296	mg/L
>	Bi	209	333561.250	333561.250				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	81.061
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	92.109
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.907
	Ag	106.905	

: 00571

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

101.829

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	312587.047	312587.047		mg/L
Be	9	19.000	0.000	0.000042	mg/L
V	51	62568.808	0.138	0.003180	mg/L
Cr	52	204519.286	0.481	0.012186	mg/L
Cr	53	26247.533	0.053	0.011818	mg/L
Co	59	14983.572	0.037	0.000873	mg/L
Cu	63	1710286.150	4.237	0.208018	mg/L
Cu	65	834081.178	2.088	0.210362	mg/L
Zn	66	249767.788	0.810	0.102215	mg/L
Zn	68	198274.456	0.482	0.098397	mg/L
Ge	73	403803.808	403803.808		mg/L
As	75	8243.457	0.012	0.001427	mg/L
Se	77	275.007	0.000	0.000118	mg/L
Se	82	98.089	0.000	0.000021	mg/L
Rh	103	298473.008	298473.008		mg/L
Ag	107	418.018	0.001	0.000225	mg/L
Cd	111	1907.887	0.008	0.000492	mg/L
Cd	114	4043.742	0.013	0.000495	mg/L
Tl	203	200.004	0.000	0.000014	mg/L
Tl	205	448.018	0.001	0.000013	mg/L
Pb	208	1454378.888	4.240	0.036466	mg/L
Bi	209	342923.819	342923.819		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	292597.032	292597.032		mg/L
Be	9	22.000	0.000	0.000064	mg/L
V	51	61988.777	0.138	0.003169	mg/L
Cr	52	201087.471	0.456	0.012022	mg/L
Cr	53	26825.734	0.056	0.012314	mg/L
Co	59	15287.125	0.038	0.000898	mg/L
Cu	63	1761802.800	4.380	0.213484	mg/L
Cu	65	844489.189	2.105	0.214302	mg/L
Zn	66	247674.094	0.816	0.101184	mg/L
Zn	68	199309.254	0.482	0.100543	mg/L
Ge	72	401178.497	401178.497		mg/L
As	75	6103.482	0.012	0.001386	mg/L
Se	77	271.007	0.000	0.000108	mg/L
Se	82	125.459	0.000	0.000101	mg/L
Rh	103	295808.596	295808.596		mg/L
Ag	107	397.013	0.001	0.000224	mg/L
Cd	111	1852.178	0.008	0.000484	mg/L
Cd	114	4089.129	0.014	0.000488	mg/L
Tl	203	214.008	0.001	0.000016	mg/L
Tl	205	480.019	0.001	0.000015	mg/L
Pb	208	1470080.870	4.512	0.040861	mg/L
Bi	209	325754.081	325754.081		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	289788.728	289788.728		mg/L
Be	9	25.000	0.000	0.000084	mg/L
V	51	63384.883	0.148	0.003348	mg/L
Cr	52	205533.802	0.481	0.012075	mg/L
Cr	53	25824.208	0.054	0.012152	mg/L
Co	59	14589.805	0.037	0.000878	mg/L
Cu	63	1745132.316	4.466	0.217142	mg/L
Cu	65	827887.317	2.118	0.215647	mg/L
Zn	66	243742.851	0.823	0.102251	mg/L
Zn	68	195885.456	0.487	0.101488	mg/L
Ge	72	380732.287	380732.287		mg/L
As	75	5819.751	0.011	0.001358	mg/L
Se	77	298.008	0.000	0.000243	mg/L
Se	82	40.323	0.000	-0.000138	mg/L
Rh	103	287345.808	287345.808		mg/L
Ag	107	436.016	0.001	0.000026	mg/L
Cd	111	1912.276	0.008	0.000497	mg/L
Cd	114	3971.782	0.013	0.000450	mg/L
Tl	203	195.004	0.000	0.000014	mg/L
Tl	205	436.018	0.001	0.000013	mg/L
Pb	208	1462888.875	4.485	0.040528	mg/L
Bi	208	332008.751	332008.751		mg/L

Sample Information

Sample ID: 1001350-03
Autosampler Position: 44
Sample Date/Time: Tuesday, February 02, 2010 15:11:46
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1001350-03.048
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	300927.032	300927.032				mg/L
	Be	9	84.335	0.000	0.000232	0.000	5.992	mg/L
	V	51	281372.158	0.677	0.015528	0.000	0.768	mg/L
	Cr	52	913575.882	2.206	0.058152	0.001	1.992	mg/L
	Cr	53	110889.444	0.262	0.058458	0.001	2.444	mg/L
	Co	59	69949.391	0.172	0.004072	0.000	0.506	mg/L
	Cu	63	8213213.261	20.235	0.983950	0.009	0.945	mg/L
	Cu	65	3909739.401	9.633	0.980882	0.014	1.436	mg/L
	Zn	66	1132047.298	2.788	0.457812	0.003	0.716	mg/L
	Zn	68	898336.894	2.209	0.451215	0.008	1.804	mg/L
>	Ge	72	405895.556	405895.556				mg/L
	As	75	22959.115	0.053	0.006412	0.000	1.129	mg/L
	Se	77	366.678	0.000	0.000466	0.000	19.411	mg/L
	Se	82	120.833	0.000	0.000084	0.000	62.544	mg/L
>	Rh	103	288070.317	288070.317				mg/L
	Ag	107	1899.902	0.007	0.000123	0.000	1.530	mg/L
	Cd	111	8912.499	0.031	0.002406	0.000	1.963	mg/L
	Cd	114	19232.643	0.067	0.002257	0.000	1.920	mg/L
	Tl	203	871.721	0.002	0.000072	0.000	2.254	mg/L
	Tl	205	2051.940	0.006	0.000071	0.000	4.055	mg/L
	Pb	208	7094930.165	20.974	0.190379	0.006	2.917	mg/L
>	Bi	209	338383.309	338383.309				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	81.770
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	93.818
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	96.748
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

103.301

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	319386.742	319386.742		mg/L
Be	9	67.001	0.000	0.000225	mg/L
V	51	279836.213	0.672	0.015408	mg/L
Cr	52	913647.887	2.203	0.058087	mg/L
Cr	53	111076.488	0.262	0.058488	mg/L
Co	59	69668.898	0.171	0.004060	mg/L
Cu	63	8147335.880	20.044	0.974871	mg/L
Cu	65	3901902.027	9.596	0.977373	mg/L
Zn	66	1130278.188	2.780	0.456443	mg/L
Zn	68	908515.349	2.233	0.456168	mg/L
Ge	72	408458.492	408458.492		mg/L
As	75	22716.789	0.052	0.008330	mg/L
Se	77	384.013	0.000	0.000570	mg/L
Se	82	130.928	0.000	0.000111	mg/L
Rh	103	288701.803	288701.803		mg/L
Ag	107	1900.236	0.007	0.000122	mg/L
Cd	111	9122.827	0.032	0.002458	mg/L
Cd	114	19282.128	0.067	0.002259	mg/L
Tl	203	671.054	0.002	0.000070	mg/L
Tl	205	2009.282	0.006	0.000086	mg/L
Pb	208	7028491.335	20.288	0.183881	mg/L
Bi	209	348834.863	348834.863		mg/L

Repeat 2

Analyte	Mass	Mass, Intensity	Net Intensity	Concentration	Report Unit
Li	6	290869.492	290869.492		mg/L
Be	9	87.001	0.000	0.000248	mg/L
V	51	780840.438	0.582	0.015848	mg/L
Cr	52	922945.444	2.251	0.058360	mg/L
Cr	53	112380.537	0.268	0.058682	mg/L
Co	59	69568.875	0.173	0.004081	mg/L
Cu	63	8208588.747	20.428	0.983274	mg/L
Cu	65	3932317.888	9.788	0.986391	mg/L
Zn	66	1128881.203	2.811	0.461550	mg/L
Zn	68	886203.256	2.231	0.456859	mg/L
Ge	72	401849.808	401849.808		mg/L
As	75	22807.259	0.053	0.008435	mg/L
Se	77	350.011	0.000	0.000418	mg/L
Se	82	131.280	0.000	0.000117	mg/L
Rh	103	287809.797	287809.797		mg/L
Ag	107	1870.229	0.006	0.000121	mg/L
Cd	111	8858.879	0.031	0.002386	mg/L
Cd	114	18824.808	0.065	0.002212	mg/L
Tl	203	662.053	0.002	0.000073	mg/L
Tl	205	2082.273	0.008	0.000073	mg/L
Pb	208	7031241.584	21.288	0.193189	mg/L
Bi	209	330320.718	330320.718		mg/L

Repeat 3

Analyte	Mass	Mass, Intensity	Net Intensity	Concentration	Report Unit
Li	6	292445.861	292445.861		mg/L
Be	9	78.001	0.000	0.000223	mg/L
V	51	283840.827	0.677	0.015531	mg/L
Cr	52	804234.318	2.164	0.057038	mg/L
Cr	53	109232.328	0.259	0.057024	mg/L
Co	59	70812.809	0.172	0.004078	mg/L
Cu	63	8283815.177	20.234	0.983807	mg/L
Cu	65	3985398.298	9.518	0.988683	mg/L
Zn	66	1135802.506	2.774	0.456442	mg/L
Zn	68	887283.078	2.163	0.441819	mg/L
Ge	72	408378.387	408378.387		mg/L
As	75	23351.316	0.053	0.008488	mg/L
Se	77	358.011	0.000	0.000412	mg/L
Se	82	100.293	0.000	0.000023	mg/L
Rh	103	287888.552	287888.552		mg/L
Ag	107	1829.243	0.007	0.000125	mg/L
Cd	111	8754.893	0.030	0.002365	mg/L
Cd	114	19580.886	0.068	0.002288	mg/L
Tl	203	662.088	0.002	0.000073	mg/L
Tl	205	2084.284	0.008	0.000073	mg/L
Pb	208	7227087.578	21.388	0.193857	mg/L
Bi	209	338194.358	338194.358		mg/L

Sample Information

Sample ID: 1001350-10
Autosampler Position: 45
Sample Date/Time: Tuesday, February 02, 2010 15:15:09
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1001350-10.049
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	293501.430	293501.430				mg/L
	Be	9	12.000	0.000	0.000025	0.000	39.939	mg/L
	V	51	18412.823	0.031	0.000700	0.000	2.573	mg/L
	Cr	52	39424.444	0.055	0.001456	0.000	2.451	mg/L
	Cr	53	6795.839	0.006	0.001249	0.000	5.326	mg/L
	Co	59	5215.018	0.013	0.000309	0.000	2.979	mg/L
	Cu	63	280000.740	0.713	0.034654	0.000	0.790	mg/L
	Cu	65	133027.524	0.338	0.034467	0.000	1.324	mg/L
	Zn	66	63737.480	0.161	0.026486	0.000	1.059	mg/L
	Zn	68	53232.368	0.131	0.026762	0.000	1.020	mg/L
>	Ge	72	392447.404	392447.404				mg/L
	As	75	7345.248	0.015	0.001821	0.000	0.371	mg/L
	Se	77	248.340	0.000	0.000038	0.000	226.124	mg/L
	Se	82	80.526	-0.000	-0.000022	0.000	710.714	mg/L
>	Rh	103	293729.376	293729.376				mg/L
	Ag	107	198.004	0.001	0.000011	0.000	5.516	mg/L
	Cd	111	276.144	0.001	0.000069	0.000	8.740	mg/L
	Cd	114	556.790	0.002	0.000062	0.000	4.035	mg/L
	Tl	203	305.675	0.001	0.000023	0.000	0.529	mg/L
	Tl	205	696.369	0.002	0.000022	0.000	4.167	mg/L
	Pb	208	2350202.627	6.982	0.063378	0.000	0.532	mg/L
>	Bi	209	336533.426	336533.426				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	79.752
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	90.709
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.649
	Ag	106.905	

00575

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

102.736

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	305491.880	305491.880		mg/L
Be	9	0.000	0.000	0.000018	mg/L
V	51	18622.033	0.031	0.000717	mg/L
Cr	52	40046.382	0.058	0.001482	mg/L
Cr	53	8958.978	0.008	0.001320	mg/L
Co	59	5382.788	0.013	0.000318	mg/L
Cu	63	280294.688	0.709	0.034491	mg/L
Cu	65	132580.808	0.336	0.034158	mg/L
Zn	66	83086.373	0.180	0.029275	mg/L
Zn	68	53446.376	0.131	0.029718	mg/L
Ge	72	384703.038	384703.038		mg/L
As	75	7391.887	0.016	0.001823	mg/L
Se	77	274.007	0.000	0.000135	mg/L
Se	82	139.218	0.000	0.000146	mg/L
Rh	103	291887.782	291887.782		mg/L
Ag	107	208.008	0.001	0.000012	mg/L
Cd	111	268.781	0.001	0.000088	mg/L
Cd	114	546.504	0.002	0.000082	mg/L
Tl	203	308.009	0.001	0.000023	mg/L
Tl	205	687.033	0.002	0.000021	mg/L
Pb	208	7361834.650	7.024	0.083781	mg/L
Bi	209	336236.411	336236.411		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	287448.288	287448.288		mg/L
Be	9	12.000	0.000	0.000028	mg/L
V	51	16287.610	0.031	0.000700	mg/L
Cr	52	38342.043	0.056	0.001470	mg/L
Cr	53	8727.782	0.008	0.001239	mg/L
Co	59	5019.581	0.013	0.000300	mg/L
Cu	63	280497.388	0.719	0.034970	mg/L
Cu	65	131220.358	0.336	0.034253	mg/L
Zn	66	83011.881	0.181	0.029380	mg/L
Zn	68	52398.842	0.130	0.029515	mg/L
Ge	72	369539.327	369539.327		mg/L
As	75	7310.017	0.016	0.001827	mg/L
Se	77	231.008	-0.000	-0.000025	mg/L
Se	82	72.445	-0.000	-0.000044	mg/L
Rh	103	283074.379	283074.379		mg/L
Ag	107	191.004	0.001	0.000011	mg/L
Cd	111	300.631	0.001	0.000078	mg/L
Cd	114	537.811	0.002	0.000080	mg/L
Tl	203	304.009	0.001	0.000023	mg/L
Tl	205	714.036	0.002	0.000023	mg/L
Pb	208	7338307.819	6.951	0.083096	mg/L
Bi	209	336473.790	336473.790		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	287588.344	287588.344		mg/L
Be	9	15.000	0.000	0.000034	mg/L
V	51	18126.828	0.030	0.000681	mg/L
Cr	52	38884.869	0.054	0.001415	mg/L
Cr	53	8686.759	0.008	0.001186	mg/L
Co	59	5232.886	0.013	0.000310	mg/L
Cu	63	279240.158	0.710	0.034501	mg/L
Cu	65	135271.404	0.344	0.034991	mg/L
Zn	66	84808.108	0.183	0.029804	mg/L
Zn	68	53684.188	0.132	0.027066	mg/L
Ge	72	383088.848	383088.848		mg/L
As	75	7333.738	0.016	0.001814	mg/L
Se	77	240.008	0.000	0.000003	mg/L
Se	82	29.819	-0.000	-0.000169	mg/L
Rh	103	298225.958	298225.958		mg/L
Ag	107	196.004	0.001	0.000011	mg/L
Cd	111	258.020	0.001	0.000084	mg/L
Cd	114	586.054	0.002	0.000086	mg/L
Tl	203	307.009	0.001	0.000023	mg/L
Tl	205	708.037	0.002	0.000022	mg/L
Pb	208	7348385.412	6.973	0.083289	mg/L
Bi	209	336891.118	336891.118		mg/L

: 00576

Sample Information

Sample ID: 1001350-10
Autosampler Position: 46
Sample Date/Time: Tuesday, February 02, 2010 15:18:32
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1001350-10.050
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	294963.660	294963.660				mg/L
	Be	9	16.000	0.000	0.000036	0.000	24.455	mg/L
	V	51	36184.979	0.075	0.001713	0.000	2.595	mg/L
	Cr	52	71545.240	0.135	0.003554	0.000	1.663	mg/L
	Cr	53	10523.080	0.015	0.003297	0.000	1.237	mg/L
	Co	59	13198.244	0.033	0.000781	0.000	2.683	mg/L
	Cu	63	691270.501	1.739	0.084549	0.001	1.188	mg/L
	Cu	65	334131.642	0.840	0.085574	0.001	1.748	mg/L
	Zn	66	161381.007	0.405	0.066501	0.001	1.096	mg/L
	Zn	68	130325.168	0.323	0.066052	0.001	1.739	mg/L
>	Ge	72	397412.321	397412.321				mg/L
	As	75	16232.026	0.037	0.004505	0.000	1.583	mg/L
	Se	77	268.007	0.000	0.000104	0.000	65.806	mg/L
	Se	82	76.367	-0.000	-0.000036	0.000	332.471	mg/L
>	Rh	103	296234.824	296234.824				mg/L
	Ag	107	385.348	0.001	0.000023	0.000	6.207	mg/L
	Cd	111	717.966	0.002	0.000185	0.000	3.818	mg/L
	Cd	114	1376.459	0.005	0.000155	0.000	2.080	mg/L
	Tl	203	700.036	0.002	0.000056	0.000	3.533	mg/L
	~~Tl~~	~~205~~	~~1656.848~~	~~0.005~~	~~0.000056~~	~~0.000~~	~~6.237~~	~~mg/L~~
	Pb	208	6028622.073	17.583	0.159595	0.004	2.591	mg/L
>	Bi	209	342958.622	342958.622				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	80.149
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	91.857
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.490
	Ag	106.905	

: 00577

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	104.698

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	301623.637	301623.637		mg/L
Be	9	14.000	0.000	0.000028	mg/L
V	51	36878.847	0.077	0.001763	mg/L
Cr	52	72117.429	0.137	0.003618	mg/L
Cr	53	10484.696	0.018	0.003308	mg/L
Co	59	13387.879	0.034	0.000788	mg/L
Cu	63	692121.588	1.750	0.085079	mg/L
Cu	65	337789.228	0.854	0.086837	mg/L
Zn	66	162571.053	0.410	0.087334	mg/L
Zn	68	130383.398	0.329	0.088417	mg/L
Ge	72	395389.464	395389.464		mg/L
As	75	15660.329	0.037	0.004453	mg/L
Se	77	283.008	0.000	0.000169	mg/L
Se	82	87.463	-0.000	-0.000004	mg/L
Rh	103	291843.273	291843.273		mg/L
Ag	107	382.013	0.001	0.000023	mg/L
Cd	111	884.283	0.002	0.000161	mg/L
Cd	114	1380.408	0.008	0.000158	mg/L
Tl	203	719.036	0.002	0.000058	mg/L
Tl	205	1580.188	0.004	0.000063	mg/L
Pb	208	5825388.486	17.230	0.156387	mg/L
Bi	209	343888.689	343888.689		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	294878.321	294878.321		mg/L
Be	9	15.000	0.000	0.000033	mg/L
V	51	36054.454	0.075	0.001691	mg/L
Cr	52	72270.750	0.136	0.003648	mg/L
Cr	53	10708.998	0.018	0.003333	mg/L
Co	59	12949.182	0.032	0.000767	mg/L
Cu	63	688840.585	1.715	0.083360	mg/L
Cu	65	331761.298	0.826	0.083974	mg/L
Zn	66	161998.010	0.402	0.085978	mg/L
Zn	68	129333.180	0.317	0.084765	mg/L
Ge	72	402082.721	402082.721		mg/L
As	75	16325.727	0.037	0.004476	mg/L
Se	77	253.008	0.000	0.000033	mg/L
Se	82	30.867	-0.000	-0.000169	mg/L
Rh	103	298888.443	298888.443		mg/L
Ag	107	365.012	0.001	0.000022	mg/L
Cd	111	756.884	0.002	0.000163	mg/L
Cd	114	1358.233	0.004	0.000152	mg/L
Tl	203	724.038	0.002	0.000057	mg/L
Tl	205	1667.183	0.004	0.000065	mg/L
Pb	208	8103017.034	17.421	0.158123	mg/L
Bi	209	350308.877	350308.877		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	286391.123	286391.123		mg/L
Be	9	19.000	0.000	0.000049	mg/L
V	51	35621.535	0.074	0.001684	mg/L
Cr	52	70247.540	0.133	0.003488	mg/L
Cr	53	10374.556	0.018	0.003253	mg/L
Co	59	13257.670	0.033	0.000789	mg/L
Cu	63	681648.320	1.752	0.085178	mg/L
Cu	65	332974.402	0.843	0.085810	mg/L
Zn	66	156575.980	0.403	0.088191	mg/L
Zn	68	131258.980	0.328	0.088873	mg/L
Ge	72	394784.778	394784.778		mg/L
As	75	16390.022	0.038	0.004567	mg/L
Se	77	268.007	0.000	0.000111	mg/L
Se	82	110.943	0.000	0.000084	mg/L
Rh	103	297861.758	297861.758		mg/L
Ag	107	409.014	0.001	0.000028	mg/L
Cd	111	703.851	0.002	0.000160	mg/L
Cd	114	1390.741	0.005	0.000188	mg/L
Tl	203	657.033	0.002	0.000054	mg/L
Tl	205	1723.195	0.005	0.000080	mg/L
Pb	208	8057452.718	18.097	0.184284	mg/L
Bi	209	334897.288	334897.288		mg/L

Sample Information

Sample ID: 0B02020-CCV 6
Autosampler Position: 2
Sample Date/Time: Tuesday, February 02, 2010 15:22:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\0B02020-CCV.051
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	293676.369	293676.369				mg/L
	Be	9	12101.239	0.041	0.035738	0.000	0.807	mg/L
	V	51	641333.261	1.633	0.037470	0.001	1.561	mg/L
	Cr	52	570576.166	1.422	0.037497	0.001	1.416	mg/L
	Cr	53	69409.556	0.167	0.037285	0.000	1.093	mg/L
	Co	59	634290.197	1.631	0.038592	0.000	0.793	mg/L
	Cu	63	313295.774	0.805	0.039144	0.001	1.797	mg/L
	Cu	65	148311.348	0.381	0.038793	0.000	0.727	mg/L
	Zn	66	89229.760	0.228	0.037502	0.000	1.039	mg/L
	Zn	68	74393.383	0.187	0.038142	0.001	2.216	mg/L
>	Ge	72	388817.745	388817.745				mg/L
	As	75	130496.454	0.332	0.040261	0.001	1.573	mg/L
	Se	77	9802.860	0.025	0.038862	0.000	0.785	mg/L
	Se	82	13557.934	0.035	0.039519	0.000	0.793	mg/L
>	Rh	103	294700.796	294700.796				mg/L
	Ag	107	614553.532	2.085	0.039181	0.000	0.574	mg/L
	Cd	111	142247.138	0.483	0.037606	0.001	1.547	mg/L
	Cd	114	327993.742	1.113	0.037654	0.001	1.923	mg/L
	Tl	203	440113.897	1.309	0.038242	0.000	0.976	mg/L
	Tl	205	1045999.808	3.112	0.038234	0.000	0.891	mg/L
	Pb	208	1394499.948	4.148	0.037652	0.001	1.650	mg/L
>	Bi	209	336081.929	336081.929				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	79.799
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	89.870
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.975
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

102.598

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B02020-CCV	Be	9	

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	305691.203	305691.203		mg/L
Be	9	12903.497	0.041	0.035432	mg/L
V	51	644667.788	1.644	0.037718	mg/L
Cr	52	571041.888	1.425	0.037587	mg/L
Cr	53	68257.283	0.167	0.037238	mg/L
Co	59	639142.089	1.645	0.038828	mg/L
Cu	63	315199.494	0.811	0.038421	mg/L
Cu	65	148364.711	0.384	0.038118	mg/L
Zn	66	90167.076	0.231	0.037838	mg/L
Zn	68	73474.217	0.188	0.037697	mg/L
Ge	72	388389.939	388389.939		mg/L
As	75	128215.869	0.329	0.039802	mg/L
Se	77	9821.883	0.025	0.038000	mg/L
Se	82	13517.433	0.035	0.038735	mg/L
Rh	103	291412.583	291412.583		mg/L
Ag	107	804888.042	2.076	0.038000	mg/L
Cd	111	140830.785	0.484	0.037675	mg/L
Cd	114	330561.620	1.134	0.038376	mg/L
Tl	203	442749.562	1.324	0.038885	mg/L
Tl	205	1030053.840	3.080	0.037843	mg/L
Pb	208	1388083.101	4.084	0.037072	mg/L
Bi	209	334367.213	334367.213		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	288401.472	288401.472		mg/L
Be	9	11974.717	0.042	0.036008	mg/L
V	51	638045.018	1.604	0.038801	mg/L
Cr	52	568764.981	1.401	0.038934	mg/L
Cr	53	69282.569	0.168	0.038809	mg/L
Co	59	634888.718	1.620	0.038330	mg/L
Cu	63	308388.569	0.788	0.038344	mg/L
Cu	65	146618.486	0.379	0.038618	mg/L
Zn	66	88188.823	0.228	0.037188	mg/L
Zn	68	73872.802	0.184	0.037813	mg/L
Ge	72	391888.081	391888.081		mg/L
As	75	130334.388	0.329	0.039888	mg/L
Se	77	9794.881	0.024	0.036036	mg/L
Se	82	13542.241	0.034	0.038180	mg/L
Rh	103	292533.871	292533.871		mg/L
Ag	107	813981.375	2.099	0.038433	mg/L
Cd	111	143289.529	0.490	0.038181	mg/L
Cd	114	325784.388	1.114	0.037670	mg/L
Tl	203	440207.028	1.300	0.037957	mg/L
Tl	205	1080382.212	3.131	0.038488	mg/L
Pb	208	1402391.273	4.140	0.037576	mg/L
Bi	209	338885.849	338885.849		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	286846.433	286846.433		mg/L
Be	9	11828.504	0.041	0.035777	mg/L
V	51	644088.871	1.661	0.037880	mg/L
Cr	52	573921.825	1.441	0.037989	mg/L
Cr	53	68878.788	0.168	0.037714	mg/L
Co	59	626741.774	1.628	0.038517	mg/L
Cu	63	315329.288	0.818	0.038998	mg/L
Cu	65	148722.836	0.379	0.038841	mg/L
Zn	66	88333.580	0.228	0.037380	mg/L
Zn	68	75733.329	0.191	0.038117	mg/L
Ge	72	388157.214	388157.214		mg/L
As	75	131839.288	0.338	0.040982	mg/L
Se	77	9791.847	0.025	0.036109	mg/L
Se	82	13514.130	0.035	0.038982	mg/L
Rh	103	300156.934	300156.934		mg/L
Ag	107	824801.280	2.082	0.038110	mg/L
Cd	111	142541.084	0.475	0.038983	mg/L
Cd	114	327635.208	1.091	0.038822	mg/L
Tl	203	437385.080	1.305	0.038108	mg/L
Tl	205	1047553.272	3.129	0.038384	mg/L
Pb	208	1415015.489	4.220	0.038309	mg/L
Bi	209	335182.828	335182.828		mg/L

00580

Sample Information

Sample ID: 0B02020-CCB
Autosampler Position: 1
Sample Date/Time: Tuesday, February 02, 2010 15:25:22
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\0B02020-CCB.052
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	285196.460	285196.460				mg/L
	Be	9	5.667	0.000	0.000006	0.000	74.758	mg/L
	V	51	5831.581	-0.001	-0.000027	0.000	84.127	mg/L
	Cr	52	16823.466	-0.001	-0.000034	0.000	102.049	mg/L
	Cr	53	3975.988	-0.001	-0.000300	0.000	11.881	mg/L
	Co	59	150.003	0.000	0.000004	0.000	32.125	mg/L
	Cu	63	489.686	0.000	0.000021	0.000	5.147	mg/L
	Cu	65	246.339	0.000	0.000016	0.000	8.210	mg/L
	Zn	66	445.016	0.000	0.000008	0.000	152.498	mg/L
	Zn	68	1828.552	0.000	0.000028	0.000	34.494	mg/L
>	Ge	72	382937.624	382937.624				mg/L
	As	75	1492.489	0.000	0.000024	0.000	40.195	mg/L
	Se	77	243.339	0.000	0.000043	0.000	79.524	mg/L
	Se	82	106.582	0.000	0.000060	0.000	125.110	mg/L
>	Rh	103	286920.642	286920.642				mg/L
	Ag	107	367.346	0.001	0.000023	0.000	41.815	mg/L
	Cd	111	29.017	0.000	0.000004	0.000	36.869	mg/L
	Cd	114	46.950	0.000	0.000004	0.000	70.339	mg/L
	Tl	203	116.335	0.000	0.000007	0.000	30.240	mg/L
	Tl	205	236.339	0.000	0.000005	0.000	46.828	mg/L
	Pb	208	785.022	0.001	0.000012	0.000	20.259	mg/L
>	Bi	209	325034.927	325034.927				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	77.495
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	88.511
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	96.362
	Ag	106.905	

: 00581

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.226

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B02020-CCB	Cr	53	

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	298131.043	298131.043		mg/L
Be	9	8.000	0.000	0.000006	mg/L
V	51	5691.861	-0.002	-0.000047	mg/L
Cr	52	16804.083	-0.003	-0.000073	mg/L
Cr	53	4038.019	-0.002	-0.000341	mg/L
Co	59	172.003	0.000	0.000005	mg/L
Cu	63	516.021	0.000	0.000022	mg/L
Cu	65	258.007	0.000	0.000016	mg/L
Zn	66	427.016	-0.000	-0.000005	mg/L
Zn	68	1801.238	0.000	0.000034	mg/L
Ge	72	395828.588	395828.588		mg/L
As	75	1578.914	0.000	0.000034	mg/L
Se	77	243.008	0.000	0.000008	mg/L
Se	82	131.635	0.000	0.000124	mg/L
Rh	103	288882.988	288882.988		mg/L
Ag	107	530.022	0.002	0.000033	mg/L
Cd	111	34.616	0.000	0.000005	mg/L
Cd	114	70.381	0.000	0.000007	mg/L
Tl	203	145.003	0.000	0.000008	mg/L
Tl	205	314.009	0.001	0.000008	mg/L
Pb	208	899.026	0.002	0.000015	mg/L
Bi	209	331004.051	331004.051		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	278808.528	278808.528		mg/L
Be	9	7.000	0.000	0.000011	mg/L
V	51	5642.700	-0.001	-0.000032	mg/L
Cr	52	16809.104	-0.000	-0.000013	mg/L
Cr	53	3924.883	-0.001	-0.000288	mg/L
Co	59	153.003	0.000	0.000004	mg/L
Cu	63	475.018	0.000	0.000020	mg/L
Cu	65	236.006	0.000	0.000015	mg/L
Zn	66	442.016	0.000	0.000011	mg/L
Zn	68	1772.208	0.000	0.000017	mg/L
Ge	72	375528.528	375528.528		mg/L
As	75	1439.879	0.000	0.000016	mg/L
Se	77	239.008	0.000	0.000044	mg/L
Se	82	76.750	-0.000	-0.000023	mg/L
Rh	103	287451.470	287451.470		mg/L
Ag	107	321.009	0.001	0.000020	mg/L
Cd	111	24.771	0.000	0.000003	mg/L
Cd	114	25.480	0.000	0.000001	mg/L
Tl	203	108.002	0.000	0.000006	mg/L
Tl	205	224.006	0.000	0.000006	mg/L
Pb	208	761.021	0.001	0.000011	mg/L
Bi	209	323863.472	323863.472		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	277848.810	277848.810		mg/L
Be	9	4.000	0.000	0.000001	mg/L
V	51	6160.160	-0.000	-0.000002	mg/L
Cr	52	16857.201	-0.001	-0.000018	mg/L
Cr	53	3983.882	-0.001	-0.000274	mg/L
Co	59	125.002	0.000	0.000003	mg/L
Cu	63	478.018	0.000	0.000020	mg/L
Cu	65	244.008	0.000	0.000017	mg/L
Zn	66	486.018	0.000	0.000020	mg/L
Zn	68	1812.215	0.000	0.000034	mg/L
Ge	72	377456.751	377456.751		mg/L
As	75	1460.875	0.000	0.000021	mg/L
Se	77	248.008	0.000	0.000076	mg/L
Se	82	111.161	0.000	0.000080	mg/L
Rh	103	288847.467	288847.467		mg/L
Ag	107	251.008	0.001	0.000015	mg/L
Cd	111	27.888	0.000	0.000003	mg/L
Cd	114	44.888	0.000	0.000004	mg/L
Tl	203	95.001	0.000	0.000008	mg/L
Tl	205	171.003	0.000	0.000003	mg/L
Pb	208	696.018	0.001	0.000010	mg/L
Bi	209	320237.256	320237.256		mg/L

: 00582

Sample Information

Sample ID: 1001350-11
Autosampler Position: 47
Sample Date/Time: Tuesday, February 02, 2010 15:28:45
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1001350-11.053
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	310631.325	310631.325				mg/L
	Be	9	135.669	0.000	0.000368	0.000	7.582	mg/L
	V	51	378629.882	0.918	0.021062	0.000	1.889	mg/L
	Cr	52	213105.586	0.481	0.012673	0.000	1.589	mg/L
	Cr	53	27261.792	0.056	0.012418	0.000	1.158	mg/L
	Co	59	119733.573	0.295	0.006986	0.000	0.658	mg/L
	Cu	63	108614.376	0.267	0.012992	0.000	0.808	mg/L
	Cu	65	51947.609	0.128	0.013005	0.000	1.196	mg/L
	Zn	66	147196.108	0.362	0.059466 ×2	0.000	0.474	mg/L
	Zn	68	127045.293	0.309	0.063097	0.001	1.451	mg/L
>	Ge	72	405224.750	405224.750				mg/L
	As	75	94552.084	0.230	0.027855	0.001	2.281	mg/L
	Se	77	428.682	0.000	0.000710	0.000	12.900	mg/L
	Se	82	112.944	0.000	0.000062	0.000	67.953	mg/L
>	Rh	103	293804.189	293804.189				mg/L
	Ag	107	780.044	0.003	0.000049	0.000	4.292	mg/L
	Cd	111	1619.317	0.005	0.000425	0.000	3.154	mg/L
	Cd	114	1827.366	0.006	0.000209	0.000	0.421	mg/L
	Tl	203	1225.436	0.003	0.000102	0.000	2.711	mg/L
	Tl	205	2882.194	0.008	0.000101	0.000	3.867	mg/L
	Pb	208	747354.827	2.201	0.019974	0.001	3.055	mg/L
>	Bi	209	339672.532	339672.532				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	84.407
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	93.663
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.674
	Ag	106.905	

00583

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

103.695

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	322938.627	322938.627		mg/L
Be	9	136.002	0.000	0.000363	mg/L
V	51	372619.043	0.869	0.020817	mg/L
Cr	52	212282.184	0.478	0.012581	mg/L
Cr	53	27338.038	0.058	0.012384	mg/L
Co	59	120472.766	0.288	0.008884	mg/L
Cu	63	108818.277	0.289	0.013084	mg/L
Cu	65	51488.072	0.129	0.012828	mg/L
Zn	66	147274.447	0.381	0.058208	mg/L
Zn	68	126351.935	0.308	0.082439	mg/L
Ge	72	407214.078	407214.078		mg/L
As	75	93028.589	0.229	0.027259	mg/L
Se	77	407.014	0.000	0.000818	mg/L
Se	82	98.182	0.000	0.000019	mg/L
Rh	103	282324.719	282324.719		mg/L
Ag	107	783.046	0.003	0.000049	mg/L
Cd	111	1598.293	0.008	0.000421	mg/L
Cd	114	1812.541	0.008	0.000208	mg/L
Tl	203	1239.108	0.003	0.000100	mg/L
Tl	205	2880.527	0.008	0.000097	mg/L
Pb	208	748087.433	2.129	0.019322	mg/L
Bi	209	351252.340	351252.340		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	303171.222	303171.222		mg/L
Be	9	127.002	0.000	0.000363	mg/L
V	51	360081.261	0.833	0.021362	mg/L
Cr	52	214303.688	0.480	0.012908	mg/L
Cr	53	27244.736	0.058	0.012576	mg/L
Co	59	119110.379	0.287	0.007027	mg/L
Cu	63	107600.282	0.288	0.013018	mg/L
Cu	65	51718.507	0.129	0.013082	mg/L
Zn	66	146303.559	0.384	0.058785	mg/L
Zn	68	124878.838	0.307	0.082710	mg/L
Ge	72	400747.577	400747.577		mg/L
As	75	95729.379	0.235	0.028624	mg/L
Se	77	447.016	0.001	0.000901	mg/L
Se	82	126.217	0.000	0.000103	mg/L
Rh	103	293540.363	293540.363		mg/L
Ag	107	808.047	0.003	0.000080	mg/L
Cd	111	1578.218	0.008	0.000414	mg/L
Cd	114	1834.387	0.009	0.000210	mg/L
Tl	203	1208.100	0.003	0.000101	mg/L
Tl	205	2845.514	0.008	0.000100	mg/L
Pb	208	745824.381	2.211	0.020088	mg/L
Bi	209	337030.983	337030.983		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	305783.128	305783.128		mg/L
Be	9	145.003	0.000	0.000409	mg/L
V	51	363218.341	0.824	0.021188	mg/L
Cr	52	212720.698	0.477	0.012563	mg/L
Cr	53	27204.805	0.058	0.012294	mg/L
Co	59	119617.572	0.283	0.008936	mg/L
Cu	63	108323.570	0.285	0.012878	mg/L
Cu	65	52638.248	0.129	0.013086	mg/L
Zn	66	148010.320	0.382	0.059429	mg/L
Zn	68	129807.008	0.314	0.084143	mg/L
Ge	72	407712.589	407712.589		mg/L
As	75	94801.308	0.228	0.027783	mg/L
Se	77	432.016	0.000	0.000713	mg/L
Se	82	114.434	0.000	0.000084	mg/L
Rh	103	295547.488	295547.488		mg/L
Ag	107	748.041	0.002	0.000048	mg/L
Cd	111	1686.443	0.008	0.000440	mg/L
Cd	114	1835.181	0.008	0.000208	mg/L
Tl	203	1228.109	0.004	0.000105	mg/L
Tl	205	2920.541	0.009	0.000105	mg/L
Pb	208	748462.887	2.262	0.020531	mg/L
Bi	209	330734.883	330734.883		mg/L

Sample Information

Sample ID: 1001350-13
Autosampler Position: 48
Sample Date/Time: Tuesday, February 02, 2010 15:32:09
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1001350-13.054
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	304106.519	304106.519				mg/L
⌊	Be	9	459.017	0.001	0.001299	0.000	5.332	mg/L
⌈	V	51	223478.929	0.544	0.012489	0.000	0.781	mg/L
|	Cr	52	116527.731	0.247	0.006516	0.000	1.090	mg/L
|	Cr	53	15716.297	0.028	0.006194	0.000	0.857	mg/L
|	Co	59	119203.979	0.299	0.007072	0.000	1.678	mg/L
⌈	Cu	63	432276.914	1.084	0.052709	0.001	1.849	mg/L
|	Cu	65	206661.625	0.518	0.052763	0.001	1.781	mg/L
|	Zn	66	47904.441	0.119	0.019558	0.000	1.328	mg/L
|	Zn	68	94135.679	0.232	0.047311	0.001	1.478	mg/L
|>	Ge	72	398513.461	398513.461				mg/L
|	As	75	33730.602	0.081	0.009818	0.000	2.291	mg/L
|	Se	77	615.362	0.001	0.001479	0.000	4.897	mg/L
⌊	Se	82	430.699	0.001	0.000978	0.000	19.487	mg/L
⌈>	Rh	103	291645.975	291645.975				mg/L
|	Ag	107	627.363	0.002	0.000039	0.000	3.538	mg/L
|	Cd	111	1040.647	0.004	0.000274	0.000	4.360	mg/L
⌊	Cd	114	734.579	0.002	0.000083	0.000	1.605	mg/L
⌈	Tl	203	3447.081	0.010	0.000302	0.000	1.275	mg/L
|	Tl	205	8145.728	0.024	0.000300	0.000	3.089	mg/L
|	Pb	208	265377.376	0.805	0.007303	0.000	2.352	mg/L
⌊>	Bi	209	329476.598	329476.598				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	82.634
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	92.112
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	97.949
|	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.582

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	315125.783	315125.783		mg/L
Be	9	483.017	0.001	0.001284	mg/L
V	51	227197.742	0.547	0.012556	mg/L
Cr	52	118342.548	0.246	0.008549	mg/L
Cr	53	15831.181	0.029	0.008160	mg/L
Co	59	120429.144	0.288	0.007086	mg/L
Cu	63	429878.184	1.085	0.051808	mg/L
Cu	65	204883.393	0.508	0.051718	mg/L
Zn	66	47881.527	0.116	0.018318	mg/L
Zn	66	94377.607	0.230	0.046866	mg/L
Ge	72	402988.388	402988.388		mg/L
As	75	33983.023	0.080	0.008988	mg/L
Se	77	802.028	0.001	0.001388	mg/L
Se	82	384.078	0.001	0.000831	mg/L
Rh	103	280134.102	280134.102		mg/L
Ag	107	800.038	0.002	0.000038	mg/L
Cd	111	1084.218	0.004	0.000287	mg/L
Cd	114	722.048	0.002	0.000082	mg/L
Tl	203	3529.783	0.010	0.000303	mg/L
Tl	205	8072.888	0.024	0.000282	mg/L
Pb	208	263823.530	0.784	0.007117	mg/L
Bi	209	338112.801	338112.801		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	298636.831	298636.831		mg/L
Be	9	438.016	0.001	0.001255	mg/L
V	51	222128.026	0.548	0.012632	mg/L
Cr	52	114212.477	0.244	0.008434	mg/L
Cr	53	15877.891	0.029	0.008288	mg/L
Co	59	116183.183	0.294	0.008869	mg/L
Cu	63	427232.084	1.081	0.052581	mg/L
Cu	65	207724.141	0.528	0.053529	mg/L
Zn	66	46126.047	0.121	0.019636	mg/L
Zn	66	94612.254	0.236	0.046113	mg/L
Ge	72	394791.088	394791.088		mg/L
As	75	34284.818	0.083	0.010079	mg/L
Se	77	625.030	0.001	0.001540	mg/L
Se	82	501.809	0.001	0.001193	mg/L
Rh	103	295520.566	295520.566		mg/L
Ag	107	843.031	0.002	0.000040	mg/L
Cd	111	1043.303	0.003	0.000271	mg/L
Cd	114	740.056	0.002	0.000083	mg/L
Tl	203	3380.719	0.010	0.000298	mg/L
Tl	205	8079.888	0.024	0.000299	mg/L
Pb	208	268688.101	0.822	0.007457	mg/L
Bi	209	327742.844	327742.844		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	296354.843	296354.843		mg/L
Be	9	478.018	0.002	0.001379	mg/L
V	51	221111.018	0.539	0.012378	mg/L
Cr	52	117028.188	0.249	0.008584	mg/L
Cr	53	15639.819	0.028	0.008188	mg/L
Co	59	121019.812	0.304	0.007183	mg/L
Cu	63	439820.473	1.105	0.053741	mg/L
Cu	65	207397.142	0.521	0.053047	mg/L
Zn	66	47725.751	0.119	0.019520	mg/L
Zn	66	93017.178	0.229	0.046828	mg/L
Ge	72	397748.832	397748.832		mg/L
As	75	33243.988	0.080	0.009866	mg/L
Se	77	619.029	0.001	0.001498	mg/L
Se	82	408.414	0.001	0.000809	mg/L
Rh	103	288283.288	288283.288		mg/L
Ag	107	838.031	0.002	0.000040	mg/L
Cd	111	994.420	0.003	0.000264	mg/L
Cd	114	741.832	0.003	0.000086	mg/L
Tl	203	3430.740	0.010	0.000308	mg/L
Tl	205	8284.186	0.025	0.000310	mg/L
Pb	208	262809.487	0.806	0.007334	mg/L
Bi	209	324574.348	324574.348		mg/L

: 00586

Sample Information

Sample ID: 1001350-15
Autosampler Position: 49
Sample Date/Time: Tuesday, February 02, 2010 15:35:33
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1001350-15.055
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	294723.825	294723.825				mg/L
⌊	Be	9	76.334	0.000	0.000213	0.000	13.085	mg/L
⌈	V	51	223487.442	0.561	0.012861	0.000	3.702	mg/L
|	Cr	52	183080.558	0.427	0.011269	0.000	3.885	mg/L
|	Cr	53	23666.808	0.049	0.011038	0.001	4.674	mg/L
|	Co	59	78693.986	0.203	0.004800	0.000	1.152	mg/L
|	Cu	63	88549.544	0.228	0.011073	0.000	1.355	mg/L
|	Cu	65	42761.864	0.110	0.011192	0.000	1.894	mg/L
|	Zn	66	184403.807	0.475	0.077982	0.001	1.431	mg/L
|	Zn	68	145685.907	0.371	0.075884	0.002	2.325	mg/L
\>	Ge	72	387452.830	387452.830				mg/L
|	As	75	49750.470	0.125	0.015127	0.000	1.022	mg/L
|	Se	77	330.010	0.000	0.000384	0.000	6.425	mg/L
⌊	Se	82	109.785	0.000	0.000067	0.000	179.427	mg/L
⌈>	Rh	103	275145.950	275145.950				mg/L
|	Ag	107	614.362	0.002	0.000041	0.000	0.785	mg/L
|	Cd	111	964.725	0.003	0.000269	0.000	4.366	mg/L
⌊	Cd	114	736.076	0.003	0.000089	0.000	3.755	mg/L
⌈	Tl	203	812.714	0.003	0.000073	0.000	3.576	mg/L
|	Tl	205	1856.225	0.006	0.000070	0.000	0.487	mg/L
|	Pb	208	286192.806	0.924	0.008385	0.000	1.671	mg/L
⌊>	Bi	209	309451.467	309451.467				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	80.084
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
\>	Ge	71.922	89.555
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	92.408
|	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

94.469

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	307167.388	307167.388		mg/L
Be	9	85.001	0.000	0.000229	mg/L
V	51	227883.880	0.563	0.013389	mg/L
Cr	52	187070.261	0.447	0.011774	mg/L
Cr	53	24230.418	0.052	0.011629	mg/L
Co	59	77982.770	0.205	0.004646	mg/L
Cu	63	87824.281	0.230	0.011200	mg/L
Cu	65	42736.747	0.112	0.011384	mg/L
Zn	66	163707.851	0.462	0.078133	mg/L
Zn	68	148773.723	0.381	0.077888	mg/L
Ge	72	380329.088	380329.088		mg/L
As	75	49388.547	0.128	0.015288	mg/L
Se	77	319.008	0.000	0.000364	mg/L
Se	82	104.519	0.000	0.000057	mg/L
Rh	103	270334.518	270334.518		mg/L
Ag	107	601.028	0.002	0.000040	mg/L
Cd	111	948.153	0.003	0.000268	mg/L
Cd	114	707.741	0.003	0.000087	mg/L
Tl	203	819.048	0.003	0.000073	mg/L
Tl	205	1885.227	0.008	0.000070	mg/L
Pb	208	282302.508	0.805	0.008224	mg/L
Bi	209	311216.888	311216.888		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	288030.979	288030.979		mg/L
Be	9	80.001	0.000	0.000230	mg/L
V	51	225240.105	0.558	0.012782	mg/L
Cr	52	181827.207	0.418	0.011029	mg/L
Cr	53	23862.784	0.048	0.010857	mg/L
Co	59	80005.010	0.204	0.004818	mg/L
Cu	63	88381.878	0.224	0.010808	mg/L
Cu	65	42470.372	0.108	0.010871	mg/L
Zn	66	164225.810	0.468	0.078804	mg/L
Zn	68	149057.038	0.388	0.074584	mg/L
Ge	72	382428.274	382428.274		mg/L
As	75	49865.267	0.124	0.014891	mg/L
Se	77	341.010	0.000	0.000411	mg/L
Se	82	153.767	0.000	0.000191	mg/L
Rh	103	279802.310	279802.310		mg/L
Ag	107	623.030	0.002	0.000041	mg/L
Cd	111	1012.866	0.004	0.000281	mg/L
Cd	114	723.863	0.003	0.000087	mg/L
Tl	203	828.049	0.003	0.000078	mg/L
Tl	205	1636.221	0.008	0.000071	mg/L
Pb	208	284588.788	0.932	0.008457	mg/L
Bi	209	305072.783	305072.783		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	288883.101	288883.101		mg/L
Be	9	64.001	0.000	0.000181	mg/L
V	51	217368.238	0.542	0.012424	mg/L
Cr	52	180244.208	0.417	0.011004	mg/L
Cr	53	23107.223	0.048	0.010838	mg/L
Co	59	78114.179	0.200	0.004738	mg/L
Cu	63	88382.473	0.228	0.011112	mg/L
Cu	65	43076.472	0.110	0.011209	mg/L
Zn	66	185277.881	0.474	0.077807	mg/L
Zn	68	145226.991	0.368	0.075201	mg/L
Ge	72	389801.118	389801.118		mg/L
As	75	48927.575	0.124	0.015084	mg/L
Se	77	330.010	0.000	0.000377	mg/L
Se	82	71.088	-0.000	-0.000046	mg/L
Rh	103	278501.022	278501.022		mg/L
Ag	107	619.029	0.002	0.000040	mg/L
Cd	111	936.086	0.003	0.000258	mg/L
Cd	114	776.524	0.003	0.000083	mg/L
Tl	203	781.046	0.002	0.000071	mg/L
Tl	205	1864.227	0.008	0.000079	mg/L
Pb	208	291709.128	0.934	0.008475	mg/L
Bi	209	312084.733	312084.733		mg/L

Sample Information

Sample ID: 0B02020-CCV

Autosampler Position: 2
Sample Date/Time: Tuesday, February 02, 2010 15:38:57
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\0B02020-CCV.056
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	288027.080	288027.080				mg/L
	Be	9	12140.632	0.042	0.036563	0.001	1.824	mg/L
	V	51	648173.961	1.643	0.037704	0.001	3.140	mg/L
	Cr	52	568539.269	1.411	0.037193	0.001	3.271	mg/L
	Cr	53	69639.801	0.167	0.037240	0.001	1.450	mg/L
	Co	59	648137.145	1.660	0.039266	0.001	2.429	mg/L
	Cu	63	313995.608	0.803	0.039061	0.001	2.518	mg/L
	Cu	65	149566.087	0.383	0.038953	0.001	2.059	mg/L
	Zn	66	90482.474	0.231	0.037864	0.001	1.553	mg/L
	Zn	68	75094.591	0.188	0.038334	0.001	1.492	mg/L
>	Ge	72	390590.977	390590.977				mg/L
	As	75	130846.796	0.331	0.040186	0.000	1.231	mg/L
	Se	77	9830.895	0.025	0.038826	0.001	3.256	mg/L
	Se	82	13655.698	0.035	0.039626	0.000	1.046	mg/L
>	Rh	103	297698.571	297698.571				mg/L
	Ag	107	609926.165	2.049	0.038491	0.001	1.653	mg/L
	Cd	111	140521.646	0.472	0.036771	0.001	1.444	mg/L
	Cd	114	326102.596	1.095	0.037057	0.001	1.609	mg/L
	Tl	203	436668.736	1.326	0.038722	0.001	1.646	mg/L
	Tl	205	1033345.802	3.137	0.038547	0.000	0.739	mg/L
	Pb	208	1388303.354	4.215	0.038255	0.000	1.232	mg/L
>	Bi	209	329326.984	329326.984				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	78.264
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	90.280
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.982
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.536

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	301824.137	301824.137		mg/L
Be	9	12584.638	0.042	0.038173	mg/L
V	51	687171.218	1.699	0.038890	mg/L
Cr	52	561180.647	1.449	0.038202	mg/L
Cr	53	69807.184	0.187	0.037386	mg/L
Co	59	651442.088	1.675	0.038823	mg/L
Cu	63	318824.013	0.813	0.038545	mg/L
Cu	65	149634.866	0.384	0.038127	mg/L
Zn	66	90370.283	0.231	0.037972	mg/L
Zn	68	75457.845	0.189	0.038697	mg/L
Ge	72	388931.914	388931.914		mg/L
As	75	129078.567	0.328	0.038804	mg/L
Se	77	9736.786	0.024	0.038808	mg/L
Se	82	13501.002	0.034	0.038339	mg/L
Rh	103	293581.073	293581.073		mg/L
Ag	107	585180.971	2.027	0.038092	mg/L
Cd	111	138629.389	0.473	0.038838	mg/L
Cd	114	327382.589	1.115	0.037720	mg/L
Tl	203	435471.698	1.318	0.038827	mg/L
Tl	205	1028304.331	3.115	0.038274	mg/L
Pb	208	1373288.567	4.160	0.037755	mg/L
Bi	209	330099.800	330099.800		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	282379.354	282379.354		mg/L
Be	9	11782.441	0.042	0.036182	mg/L
V	51	634988.188	1.834	0.037483	mg/L
Cr	52	585133.568	1.424	0.037534	mg/L
Cr	53	68381.320	0.188	0.037883	mg/L
Co	59	650323.569	1.680	0.038869	mg/L
Cu	63	314482.134	0.817	0.038709	mg/L
Cu	65	148984.346	0.388	0.038652	mg/L
Zn	66	90370.283	0.234	0.038380	mg/L
Zn	68	74555.771	0.189	0.038642	mg/L
Ge	72	384710.540	384710.540		mg/L
As	75	130881.240	0.338	0.040745	mg/L
Se	77	10017.117	0.025	0.040188	mg/L
Se	82	13611.447	0.035	0.040101	mg/L
Rh	103	300173.552	300173.552		mg/L
Ag	107	626888.022	2.088	0.038226	mg/L
Cd	111	139530.427	0.486	0.038210	mg/L
Cd	114	327342.844	1.080	0.038887	mg/L
Tl	203	432728.109	1.308	0.038208	mg/L
Tl	205	1045749.375	3.161	0.038642	mg/L
Pb	208	1398857.902	4.222	0.038316	mg/L
Bi	209	330751.306	330751.306		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	278777.749	278777.749		mg/L
Be	9	12044.819	0.043	0.037332	mg/L
V	51	642381.488	1.597	0.038841	mg/L
Cr	52	556283.882	1.360	0.035843	mg/L
Cr	53	69830.880	0.184	0.038843	mg/L
Co	59	642645.809	1.614	0.036185	mg/L
Cu	63	310880.878	0.780	0.037829	mg/L
Cu	65	148068.981	0.374	0.038078	mg/L
Zn	66	90708.884	0.227	0.037229	mg/L
Zn	68	75270.157	0.184	0.037876	mg/L
Ge	72	398130.477	398130.477		mg/L
As	75	132800.580	0.330	0.040006	mg/L
Se	77	9736.782	0.024	0.037886	mg/L
Se	82	13854.846	0.035	0.038438	mg/L
Rh	103	298381.088	298381.088		mg/L
Ag	107	607948.502	2.031	0.038198	mg/L
Cd	111	143209.122	0.478	0.037289	mg/L
Cd	114	323802.546	1.081	0.038588	mg/L
Tl	203	441908.442	1.350	0.038436	mg/L
Tl	205	1025863.700	3.139	0.038528	mg/L
Pb	208	1384862.585	4.263	0.038882	mg/L
Bi	209	327162.887	327162.887		mg/L

Sample Information

Sample ID: 0B02020-CCB (0

Autosampler Position: 1

Sample Date/Time: Tuesday, February 02, 2010 15:42:19

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Number of Replicates: 3

Sample File: C:\Elandata\Sample\0B02020.sam

Method File: c:\elandata\Method\Solid_6020A_201.mth

Dataset File: C:\Elandata\DataSet\0B02020\0B02020-CCB.057

Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun

Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	284754.833	284754.833				mg/L
[	Be	9	6.667	0.000	0.000009	0.000	50.863	mg/L
[	V	51	6852.420	0.002	0.000035	0.000	93.644	mg/L
[	Cr	52	19511.681	0.006	0.000153	0.000	25.180	mg/L
[	Cr	53	4038.352	-0.001	-0.000260	0.000	21.991	mg/L
[	Co	59	147.669	0.000	0.000004	0.000	47.708	mg/L
[	Cu	63	438.016	0.000	0.000014	0.000	40.612	mg/L
[	Cu	65	218.338	0.000	0.000009	0.000	27.026	mg/L
[	Zn	66	423.015	-0.000	-0.000001	0.000	686.831	mg/L
[	Zn	68	1896.568	0.000	0.000066	0.000	32.696	mg/L
[>	Ge	72	382363.131	382363.131				mg/L
[	As	75	1476.906	0.000	0.000020	0.000	223.342	mg/L
[	Se	77	239.006	0.000	0.000026	0.000	100.256	mg/L
[	Se	82	68.322	-0.000	-0.000050	0.000	485.261	mg/L
[>	Rh	103	290136.773	290136.773				mg/L
[	Ag	107	320.677	0.001	0.000020	0.000	39.355	mg/L
[	Cd	111	30.036	0.000	0.000004	0.000	54.208	mg/L
[	Cd	114	51.545	0.000	0.000004	0.000	49.368	mg/L
[	Tl	203	99.002	0.000	0.000006	0.000	31.034	mg/L
[	Tl	205	230.008	0.000	0.000005	0.000	48.954	mg/L
[	Pb	208	604.015	0.001	0.000007	0.000	33.528	mg/L
[>	Bi	209	322657.247	322657.247				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	77.375
[	Be	9.012	
[	V	50.944	
[	Cr	51.941	
[	Cr	52.941	
[	Co	58.933	
[	Cu	62.930	
[	Cu	64.928	
[	Zn	65.926	
[	Zn	67.925	
[>	Ge	71.922	88.379
[	As	74.922	
[	Se	76.920	
[	Se	81.917	
[>	Rh	102.905	97.442
[	Ag	106.905	

: 00591

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.500

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B02020-CCB	Cr	53	

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	297929.103	297929.103		mg/L
Be	9	7.000	0.000	0.000009	mg/L
V	51	7317.027	0.003	0.000088	mg/L
Cr	52	19827.758	0.007	0.000197	mg/L
Cr	53	4072.036	-0.001	-0.000203	mg/L
Co	59	179.004	0.000	0.000008	mg/L
Cu	63	481.019	0.000	0.000021	mg/L
Cu	65	214.008	0.000	0.000009	mg/L
Zn	66	409.014	-0.000	-0.000004	mg/L
Zn	68	1853.225	0.000	0.000059	mg/L
Ge	72	376308.475	376308.475		mg/L
As	75	1613.718	0.001	0.000071	mg/L
Se	77	242.008	0.000	0.000054	mg/L
Se	82	149.839	0.000	0.000196	mg/L
Rh	103	290299.724	290299.724		mg/L
Ag	107	452.017	0.001	0.000028	mg/L
Cd	111	39.006	0.000	0.000006	mg/L
Cd	114	61.068	0.000	0.000009	mg/L
Tl	203	121.002	0.000	0.000007	mg/L
Tl	205	310.008	0.001	0.000006	mg/L
Pb	208	711.019	0.001	0.000010	mg/L
Bi	209	327195.969	327195.969		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	277334.044	277334.044		mg/L
Be	9	8.000	0.000	0.000014	mg/L
V	51	6413.306	0.000	0.000076	mg/L
Cr	52	19483.969	0.005	0.000140	mg/L
Cr	53	4074.036	-0.001	-0.000281	mg/L
Co	59	128.002	0.000	0.000003	mg/L
Cu	63	403.014	0.000	0.000008	mg/L
Cu	65	230.008	0.000	0.000012	mg/L
Zn	66	444.016	0.000	0.000008	mg/L
Zn	68	1956.230	0.000	0.000061	mg/L
Ge	72	365788.828	365788.828		mg/L
As	75	1394.999	-0.000	-0.000010	mg/L
Se	77	240.008	0.000	0.000021	mg/L
Se	82	99.640	-0.000	-0.000058	mg/L
Rh	103	283805.984	283805.984		mg/L
Ag	107	285.008	0.001	0.000018	mg/L
Cd	111	26.998	0.000	0.000003	mg/L
Cd	114	81.970	0.000	0.000008	mg/L
Tl	203	98.001	0.000	0.000005	mg/L
Tl	205	208.006	0.000	0.000005	mg/L
Pb	208	558.013	0.001	0.000008	mg/L
Bi	209	320820.897	320820.897		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	279001.353	279001.353		mg/L
Be	9	5.000	0.000	0.000005	mg/L
V	51	6626.829	0.001	0.000030	mg/L
Cr	52	19213.316	0.005	0.000123	mg/L
Cr	53	3988.865	-0.001	-0.000317	mg/L
Co	59	136.002	0.000	0.000003	mg/L
Cu	63	430.015	0.000	0.000013	mg/L
Cu	65	211.006	0.000	0.000007	mg/L
Zn	66	416.015	-0.000	-0.000005	mg/L
Zn	68	1877.230	0.000	0.000048	mg/L
Ge	72	385014.091	385014.091		mg/L
As	75	1422.001	-0.000	-0.000001	mg/L
Se	77	235.008	0.000	0.000003	mg/L
Se	82	-11.612	-0.000	-0.000291	mg/L
Rh	103	298504.811	298504.811		mg/L
Ag	107	225.008	0.001	0.000013	mg/L
Cd	111	24.387	0.000	0.000002	mg/L
Cd	114	31.580	0.000	0.000002	mg/L
Tl	203	81.001	0.000	0.000004	mg/L
Tl	205	172.003	0.000	0.000003	mg/L
Pb	208	543.013	0.001	0.000008	mg/L
Bi	209	320254.917	320254.917		mg/L

: 00592

Sample Information

Sample ID: 0B02020-SRD1
Autosampler Position: 37
Sample Date/Time: Tuesday, February 02, 2010 15:45:43
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\0B02020-SRD1.058
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	291626.893	291626.893				mg/L
	Be	9	44.001	0.000	0.000120	0.000	4.921	mg/L
	V	51	73681.421	0.172	0.003953	0.000	1.367	mg/L
	Cr	52	61615.239	0.113	0.002967	0.000	0.702	mg/L
	Cr	53	9101.059	0.012	0.002588	0.000	2.815	mg/L
	Co	59	24970.273	0.064	0.001508	0.000	2.086	mg/L
	Cu	63	30996.855	0.079	0.003819	0.000	2.319	mg/L
	Cu	65	15063.425	0.038	0.003879	0.000	2.378	mg/L
	Zn	66	33553.418	0.085	0.013928	0.000	1.130	mg/L
	Zn	68	29025.089	0.070	0.014240	0.000	2.526	mg/L
>	Ge	72	390501.440	390501.440				mg/L
	As	75	8500.375	0.018	0.002191	0.000	0.822	mg/L
	Se	77	287.341	0.000	0.000201	0.000	19.329	mg/L
	Se	82	108.757	0.000	0.000061	0.000	206.194	mg/L
>	Rh	103	290049.578	290049.578				mg/L
	Ag	107	346.344	0.001	0.000021	0.000	2.420	mg/L
	Cd	111	388.290	0.001	0.000100	0.000	4.221	mg/L
	Cd	114	448.176	0.001	0.000051	0.000	8.242	mg/L
	Tl	203	341.677	0.001	0.000027	0.000	4.988	mg/L
	Tl	205	817.048	0.002	0.000027	0.000	4.193	mg/L
	Pb	208	264329.144	0.803	0.007286	0.000	2.447	mg/L
>	Bi	209	328957.333	328957.333				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	79.243
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	90.260
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	97.413
	Ag	106.905	

: 00593

	Cd	110.904
	Cd	113.904
	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	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	305883.871	305883.871		mg/L
Be	9	44.001	0.000	0.000114	mg/L
V	51	73837.358	0.170	0.003891	mg/L
Cr	52	62110.220	0.112	0.002943	mg/L
Cr	53	9297.343	0.012	0.002811	mg/L
Co	59	24817.148	0.062	0.001478	mg/L
Cu	63	30711.766	0.077	0.003731	mg/L
Cu	65	15384.304	0.038	0.003803	mg/L
Zn	66	33777.854	0.084	0.013827	mg/L
Zn	68	28629.380	0.066	0.013626	mg/L
Ge	72	395899.865	395899.865		mg/L
As	75	6581.070	0.018	0.002171	mg/L
Se	77	285.008	0.000	0.000178	mg/L
Se	82	126.702	0.000	0.000115	mg/L
Rh	103	285371.774	285371.774		mg/L
Ag	107	348.011	0.001	0.000022	mg/L
Cd	111	373.841	0.001	0.000088	mg/L
Cd	114	474.181	0.002	0.000054	mg/L
Tl	203	336.010	0.001	0.000039	mg/L
Tl	205	799.048	0.002	0.000039	mg/L
Pb	206	261553.862	0.789	0.007082	mg/L
Bi	209	334782.888	334782.888		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	285882.490	285882.490		mg/L
Be	9	45.001	0.000	0.000120	mg/L
V	51	73251.730	0.173	0.003878	mg/L
Cr	52	61045.388	0.113	0.002977	mg/L
Cr	53	9087.054	0.012	0.002847	mg/L
Co	59	25218.302	0.065	0.001541	mg/L
Cu	63	31547.181	0.080	0.003808	mg/L
Cu	65	15184.974	0.039	0.003857	mg/L
Zn	66	33582.808	0.085	0.014109	mg/L
Zn	68	29029.788	0.071	0.014418	mg/L
Ge	72	385869.823	385869.823		mg/L
As	75	8428.871	0.018	0.002189	mg/L
Se	77	298.008	0.000	0.000248	mg/L
Se	82	58.733	-0.000	-0.000083	mg/L
Rh	103	288184.259	288184.259		mg/L
Ag	107	337.010	0.001	0.000021	mg/L
Cd	111	377.021	0.001	0.000087	mg/L
Cd	114	451.887	0.002	0.000051	mg/L
Tl	203	336.010	0.001	0.000027	mg/L
Tl	205	822.049	0.002	0.000027	mg/L
Pb	206	267376.742	0.811	0.007362	mg/L
Bi	209	329233.842	329233.842		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	283804.820	283804.820		mg/L
Be	9	43.001	0.000	0.000121	mg/L
V	51	74198.184	0.174	0.003880	mg/L
Cr	52	61880.113	0.113	0.002981	mg/L
Cr	53	9836.861	0.011	0.002507	mg/L
Co	59	24879.320	0.064	0.001505	mg/L
Cu	63	30831.809	0.079	0.003819	mg/L
Cu	65	14840.897	0.037	0.003777	mg/L
Zn	66	33289.882	0.084	0.013847	mg/L
Zn	68	29416.121	0.071	0.014478	mg/L
Ge	72	388834.832	388834.832		mg/L
As	75	8523.184	0.018	0.002204	mg/L
Se	77	282.008	0.000	0.000182	mg/L
Se	82	138.838	0.000	0.000150	mg/L
Rh	103	295582.703	295582.703		mg/L
Ag	107	354.011	0.001	0.000021	mg/L
Cd	111	414.008	0.001	0.000108	mg/L
Cd	114	418.709	0.001	0.000046	mg/L
Tl	203	352.011	0.001	0.000029	mg/L
Tl	205	830.050	0.002	0.000029	mg/L
Pb	206	264087.030	0.817	0.007413	mg/L
Bi	209	322875.201	322875.201		mg/L

00594

Sample Information

Sample ID: 1000788-PS1
Autosampler Position: 38
Sample Date/Time: Tuesday, February 02, 2010 15:49:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\1000788-PS1.059
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	299135.161	299135.161				mg/L
	Be	9	6626.367	0.022	0.019205	0.000	1.612	mg/L
	V	51	683841.472	1.705	0.039123	0.001	3.639	mg/L
	Cr	52	519212.027	1.262	0.033265	0.001	2.820	mg/L
	Cr	53	63084.184	0.147	0.032877	0.001	2.693	mg/L
	Co	59	432737.402	1.089	0.025760	0.000	0.194	mg/L
	Cu	63	297302.713	0.747	0.036347	0.001	1.426	mg/L
	Cu	65	143379.715	0.360	0.036702	0.001	1.982	mg/L
	Zn	66	201839.537	0.507	0.083236	0.001	1.197	mg/L
	Zn	68	167850.933	0.418	0.085345	0.001	0.695	mg/L
>	Ge	72	397359.952	397359.952				mg/L
	As	75	97453.544	0.242	0.029297	0.000	1.570	mg/L
	Se	77	5030.235	0.012	0.019041	0.000	1.217	mg/L
	Se	82	6467.789	0.016	0.018312	0.000	1.691	mg/L
>	Rh	103	286205.704	286205.704				mg/L
	Ag	107	289334.896	1.011	0.018994	0.000	1.334	mg/L
	Cd	111	69659.462	0.243	0.018962	0.000	2.566	mg/L
	Cd	114	158853.069	0.555	0.018775	0.000	1.069	mg/L
	Tl	203	211147.860	0.644	0.018805	0.001	4.421	mg/L
	Tl	205	501551.734	1.529	0.018790	0.001	4.013	mg/L
	Pb	208	1946282.243	5.934	0.053866	0.002	3.630	mg/L
>	Bi	209	328110.345	328110.345				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	81.283
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	91.845
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	96.122
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.165

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	308711.329	308711.329		mg/L
Be	9	6776.622	0.022	0.019198	mg/L
V	51	687814.068	1.739	0.039801	mg/L
Cr	52	524449.487	1.283	0.034066	mg/L
Cr	53	63322.303	0.150	0.033507	mg/L
Co	59	429869.080	1.080	0.025779	mg/L
Cu	63	295785.005	0.754	0.036887	mg/L
Cu	65	143334.589	0.365	0.037203	mg/L
Zn	66	198632.836	0.509	0.083911	mg/L
Zn	68	164564.209	0.415	0.084972	mg/L
Ge	72	391788.658	391788.658		mg/L
As	75	94821.712	0.238	0.029808	mg/L
Se	77	4964.926	0.012	0.019082	mg/L
Se	82	6362.537	0.016	0.018288	mg/L
Rh	103	281704.080	281704.080		mg/L
Ag	107	283116.724	1.005	0.018982	mg/L
Cd	111	70183.484	0.248	0.018408	mg/L
Cd	114	154720.728	0.568	0.018817	mg/L
Tl	203	207038.382	0.614	0.017942	mg/L
Tl	205	488648.025	1.471	0.018070	mg/L
Pb	206	1822286.766	5.704	0.051778	mg/L
Bi	209	339825.589	339825.589		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	294880.786	294880.786		mg/L
Be	9	6844.714	0.023	0.019536	mg/L
V	51	695800.786	1.743	0.039868	mg/L
Cr	52	519788.013	1.288	0.033451	mg/L
Cr	53	63480.876	0.149	0.033258	mg/L
Co	59	429814.876	1.080	0.025704	mg/L
Cu	63	298256.911	0.763	0.036829	mg/L
Cu	65	144049.780	0.364	0.037034	mg/L
Zn	66	202781.078	0.511	0.083891	mg/L
Zn	68	168375.676	0.431	0.086011	mg/L
Ge	72	386649.813	386649.813		mg/L
As	75	96839.573	0.249	0.029803	mg/L
Se	77	4946.817	0.012	0.018800	mg/L
Se	82	6353.192	0.016	0.018641	mg/L
Rh	103	280312.148	280312.148		mg/L
Ag	107	280729.287	1.001	0.018818	mg/L
Cd	111	68743.281	0.237	0.018444	mg/L
Cd	114	150268.859	0.548	0.018598	mg/L
Tl	203	211754.742	0.646	0.018371	mg/L
Tl	205	499472.703	1.524	0.018728	mg/L
Pb	206	1855648.788	5.988	0.054169	mg/L
Bi	209	327838.872	327838.872		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	295833.369	295833.369		mg/L
Be	9	6457.588	0.022	0.018823	mg/L
V	51	667808.553	1.834	0.037480	mg/L
Cr	52	513380.800	1.223	0.032248	mg/L
Cr	53	62438.672	0.143	0.031868	mg/L
Co	59	441408.141	1.080	0.025788	mg/L
Cu	63	297848.624	0.739	0.035749	mg/L
Cu	65	142784.767	0.352	0.035867	mg/L
Zn	66	202824.588	0.500	0.082107	mg/L
Zn	68	170562.912	0.417	0.085152	mg/L
Ge	72	404731.387	404731.387		mg/L
As	75	98879.348	0.241	0.029183	mg/L
Se	77	5179.881	0.012	0.018282	mg/L
Se	82	6487.238	0.016	0.018927	mg/L
Rh	103	286800.908	286800.908		mg/L
Ag	107	294180.878	1.026	0.019284	mg/L
Cd	111	70041.621	0.244	0.019035	mg/L
Cd	114	160572.920	0.580	0.019861	mg/L
Tl	203	214880.467	0.671	0.018601	mg/L
Tl	205	508536.474	1.583	0.019074	mg/L
Pb	206	1980802.174	6.131	0.056852	mg/L
Bi	209	319783.574	319783.574		mg/L

Sample Information

Sample ID: 0B02020-CCV

Autosampler Position: 2
Sample Date/Time: Tuesday, February 02, 2010 15:52:35
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\0B02020-CCV.060
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	290141.105	290141.105				mg/L
⌊	Be	9	12345.933	0.043	0.036914	0.001	2.091	mg/L
⌈	V	51	651695.433	1.636	0.037534	0.000	0.737	mg/L
|	Cr	52	580461.163	1.427	0.037607	0.000	0.741	mg/L
|	Cr	53	70673.541	0.167	0.037433	0.001	1.979	mg/L
|	Co	59	644761.452	1.635	0.038675	0.001	1.448	mg/L
|	Cu	63	314921.585	0.798	0.038787	0.001	1.360	mg/L
|	Cu	65	148938.737	0.377	0.038403	0.000	0.135	mg/L
|	Zn	66	91109.316	0.230	0.037748	0.000	0.518	mg/L
|	Zn	68	75287.319	0.186	0.038051	0.001	1.545	mg/L
|>	Ge	72	394417.117	394417.117				mg/L
|	As	75	131531.439	0.330	0.040001	0.001	1.331	mg/L
|	Se	77	9886.962	0.024	0.038658	0.001	2.982	mg/L
⌊	Se	82	13558.886	0.034	0.038961	0.001	2.488	mg/L
⌈>	Rh	103	298280.010	298280.010				mg/L
|	Ag	107	610055.059	2.045	0.038428	0.001	2.411	mg/L
|	Cd	111	140657.016	0.472	0.036734	0.001	1.634	mg/L
⌊	Cd	114	327421.048	1.098	0.037131	0.000	0.809	mg/L
⌈	Tl	203	431041.395	1.299	0.037930	0.001	2.365	mg/L
|	Tl	205	1033521.796	3.114	0.038261	0.001	2.404	mg/L
|	Pb	208	1383056.948	4.167	0.037819	0.001	1.806	mg/L
⌊>	Bi	209	331868.168	331868.168				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	78.839
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	91.165
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.177
|	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

101.312

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	303314.291	303314.291		mg/L
Be	9	12717.824	0.042	0.038389	mg/L
V	51	648748.764	1.823	0.037227	mg/L
Cr	52	576828.199	1.416	0.037300	mg/L
Cr	53	68701.982	0.164	0.036882	mg/L
Co	59	645398.861	1.828	0.036513	mg/L
Cu	63	317824.019	0.800	0.038818	mg/L
Cu	65	149878.974	0.377	0.038373	mg/L
Zn	66	91583.522	0.230	0.037757	mg/L
Zn	68	75018.886	0.185	0.037710	mg/L
Ge	72	366429.163	366429.163		mg/L
As	75	130317.343	0.326	0.038422	mg/L
Se	77	9858.686	0.024	0.037532	mg/L
Se	82	13284.463	0.033	0.037987	mg/L
Rh	103	296806.782	296806.782		mg/L
Ag	107	802408.084	2.018	0.037879	mg/L
Cd	111	136322.020	0.463	0.036080	mg/L
Cd	114	326180.348	1.091	0.036822	mg/L
Tl	203	421250.788	1.264	0.036800	mg/L
Tl	205	1012832.348	3.038	0.037328	mg/L
Pb	208	1361310.433	4.082	0.037005	mg/L
Bi	209	333368.504	333368.504		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	281818.982	281818.982		mg/L
Be	9	12270.148	0.044	0.037788	mg/L
V	51	654562.375	1.839	0.037809	mg/L
Cr	52	564886.788	1.429	0.037877	mg/L
Cr	53	72354.473	0.171	0.036183	mg/L
Co	59	640800.995	1.815	0.036213	mg/L
Cu	63	311821.517	0.788	0.038208	mg/L
Cu	65	148666.182	0.376	0.038463	mg/L
Zn	66	92084.876	0.231	0.037838	mg/L
Zn	68	75049.179	0.186	0.037713	mg/L
Ge	72	396570.668	396570.668		mg/L
As	75	132819.739	0.331	0.040112	mg/L
Se	77	9829.011	0.024	0.036804	mg/L
Se	82	13852.103	0.034	0.038011	mg/L
Rh	103	296371.521	296371.521		mg/L
Ag	107	802003.281	2.018	0.037808	mg/L
Cd	111	141488.154	0.474	0.036834	mg/L
Cd	114	326328.142	1.094	0.036898	mg/L
Tl	203	434273.463	1.313	0.036395	mg/L
Tl	205	1030421.493	3.118	0.036298	mg/L
Pb	208	1388081.282	4.227	0.036371	mg/L
Bi	209	330839.869	330839.869		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	295589.032	295589.032		mg/L
Be	9	12049.829	0.042	0.036549	mg/L
V	51	648777.186	1.848	0.037765	mg/L
Cr	52	577958.504	1.435	0.037844	mg/L
Cr	53	69864.186	0.168	0.037454	mg/L
Co	59	644283.408	1.861	0.036298	mg/L
Cu	63	315219.220	0.807	0.038238	mg/L
Cu	65	147252.099	0.377	0.038373	mg/L
Zn	66	89868.750	0.229	0.037548	mg/L
Zn	68	75786.886	0.190	0.038729	mg/L
Ge	72	390251.522	390251.522		mg/L
As	75	131857.239	0.334	0.040469	mg/L
Se	77	10075.186	0.025	0.038438	mg/L
Se	82	13740.091	0.035	0.038804	mg/L
Rh	103	297859.728	297859.728		mg/L
Ag	107	825752.883	2.102	0.038488	mg/L
Cd	111	142180.879	0.478	0.037209	mg/L
Cd	114	329773.836	1.106	0.037479	mg/L
Tl	203	437388.833	1.320	0.036536	mg/L
Tl	205	1057211.550	3.168	0.039187	mg/L
Pb	208	1398779.121	4.190	0.038032	mg/L
Bi	209	331801.104	331801.104		mg/L

Sample ID: 0B02020-CCV
Report Date/Time: Tuesday, February 02, 2010 15:54:17

Sample Information

Sample ID: 0B02020-CCB
Autosampler Position: 1
Sample Date/Time: Tuesday, February 02, 2010 15:55:58
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B02020.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B02020\0B02020-CCB.061
Tuning File: C:\Elandata\Tuning\02FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\02FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	283643.790	283643.790				mg/L
	Be	9	7.333	0.000	0.000011	0.000	52.016	mg/L
	V	51	5948.823	-0.001	-0.000018	0.000	35.880	mg/L
	Cr	52	17356.566	0.000	0.000009	0.000	133.208	mg/L
	Cr	53	3981.991	-0.001	-0.000284	0.000	19.907	mg/L
	Co	59	146.669	0.000	0.000004	0.000	40.774	mg/L
	Cu	63	431.682	0.000	0.000014	0.000	25.750	mg/L
	Cu	65	219.672	0.000	0.000010	0.000	29.145	mg/L
	Zn	66	447.683	0.000	0.000011	0.000	105.864	mg/L
	Zn	68	1883.232	0.000	0.000063	0.000	59.456	mg/L
>	Ge	72	380825.932	380825.932				mg/L
	As	75	1520.275	0.000	0.000035	0.000	159.035	mg/L
	Se	77	246.673	0.000	0.000062	0.000	83.849	mg/L
	Se	82	84.931	-0.000	-0.000002	0.000	8786.650	mg/L
>	Rh	103	285108.490	285108.490				mg/L
	Ag	107	445.017	0.001	0.000028	0.000	22.096	mg/L
	Cd	111	18.214	0.000	0.000001	0.000	73.695	mg/L
	Cd	114	37.830	0.000	0.000003	0.000	69.427	mg/L
	Tl	203	108.668	0.000	0.000007	0.000	33.669	mg/L
	Tl	205	256.673	0.001	0.000006	0.000	41.108	mg/L
	Pb	208	632.349	0.001	0.000008	0.000	33.601	mg/L
>	Bi	209	317926.756	317926.756				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	77.073
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	88.023
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	95.753
	Ag	106.905	

00599

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.056

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B02020-CCB	Cr	53	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
U	6	295286.938	295286.938		mg/L
Be	9	9.000	0.000	0.000016	mg/L
V	51	8131.381	-0.000	-0.000011	mg/L
Cr	52	17648.848	0.001	0.000018	mg/L
Cr	53	3988.888	-0.001	-0.000314	mg/L
Co	59	167.003	0.000	0.000006	mg/L
Cu	63	435.016	0.000	0.000014	mg/L
Cu	65	234.008	0.000	0.000013	mg/L
Zn	66	446.018	0.000	0.000009	mg/L
Zn	68	1827.219	0.000	0.000024	mg/L
Ge	72	364446.774	364446.774		mg/L
As	75	1708.477	0.001	0.000080	mg/L
Se	77	239.008	0.000	0.000021	mg/L
Se	82	143.589	0.000	0.000170	mg/L
Rh	103	282919.218	282919.218		mg/L
Ag	107	545.023	0.002	0.000036	mg/L
Cd	111	18.218	0.000	0.000001	mg/L
Cd	114	54.569	0.000	0.000008	mg/L
Tl	203	137.002	0.000	0.000009	mg/L
Tl	205	333.010	0.001	0.000009	mg/L
Pb	208	748.020	0.001	0.000011	mg/L
Bi	209	318898.338	318898.338		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
U	6	277288.829	277288.829		mg/L
Be	9	9.000	0.000	0.000014	mg/L
V	51	5883.842	-0.001	-0.000023	mg/L
Cr	52	17180.884	-0.000	-0.000005	mg/L
Cr	53	4098.048	-0.001	-0.000219	mg/L
Co	59	158.003	0.000	0.000004	mg/L
Cu	63	460.017	0.000	0.000017	mg/L
Cu	65	214.008	0.000	0.000008	mg/L
Zn	66	426.018	0.000	0.000001	mg/L
Zn	68	1893.234	0.000	0.000007	mg/L
Ge	72	361284.308	361284.308		mg/L
As	75	1343.353	-0.000	-0.000022	mg/L
Se	77	281.007	0.000	0.000120	mg/L
Se	82	19.501	-0.000	-0.000189	mg/L
Rh	103	287155.522	287155.522		mg/L
Ag	107	424.018	0.001	0.000028	mg/L
Cd	111	20.562	0.000	0.000001	mg/L
Cd	114	73.325	0.000	0.000001	mg/L
Tl	203	88.002	0.000	0.000008	mg/L
Tl	205	245.008	0.000	0.000008	mg/L
Pb	208	587.014	0.001	0.000007	mg/L
Bi	209	320108.569	320108.569		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
U	6	278388.807	278388.807		mg/L
Be	9	5.000	0.000	0.000008	mg/L
V	51	5801.149	-0.001	-0.000022	mg/L
Cr	52	17239.867	0.001	0.000014	mg/L
Cr	53	3878.941	-0.001	-0.000339	mg/L
Co	59	117.002	0.000	0.000002	mg/L
Cu	63	400.014	0.000	0.000010	mg/L
Cu	65	211.008	0.000	0.000008	mg/L
Zn	66	471.018	0.000	0.000023	mg/L
Zn	68	1829.243	0.000	0.000069	mg/L
Ge	72	376748.718	376748.718		mg/L
As	75	1509.886	0.000	0.000037	mg/L
Se	77	240.008	0.000	0.000048	mg/L
Se	82	91.705	0.000	0.000022	mg/L
Rh	103	285250.732	285250.732		mg/L
Ag	107	389.012	0.001	0.000023	mg/L
Cd	111	15.864	0.000	0.000000	mg/L
Cd	114	35.610	0.000	0.000002	mg/L
Tl	203	90.001	0.000	0.000005	mg/L
Tl	205	192.004	0.000	0.000004	mg/L
Pb	208	567.013	0.001	0.000005	mg/L
Bi	208	313875.585	313875.585		mg/L

: 00600

app 2/5

2-10-10
Cal: OB04001

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence

Instrument #: 114
Date: 2-03-10
Analyst: DWJ

Data File: OB03065
Calibration BLK/ICB/CCB: 1% HNO3 LOT#1109060
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 Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor	Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor
1/17	1000891-BLK1				35/51	1000891-MSD1	1	10	10
2/18	1000891-BS1				36/52	SR04	1	10	50
3/19	1001382-01				37/53	1000891-PS4	1	10	10
4/20	1001382-02				38/54				
5/21	1001382-03				39/55				
6/22	1001382-04				40/56				
7/23	1001382-05				41/57				
8/24	1001382-06				42/58				
9/25	1000891-MS1				43/59				
10/26	1000891-MSD1				44/60				
11/27	SR01				45/61				
12/28	1000891-PS1				46/62				
13/29	1001382-07				47/63				
14/30	1001382-08				48/64				
u 15/31	1001382-09				49/65				
Zn 16/32	1001382-01	0.4	10	25	50/66				
Pb 17/33	1001382-01	1	10	10	51/67				
Pb Zn 18/34	1001382-02	0.4	10	25	52/68				
Pb Zn 19/35	1001382-03	0.08	10	125	53/69				
Cu 20/36	1001382-03	0.2	10	50	54/70				
Cu 21/37	1001382-03	0.4	10	25	55/71				
Pb Zn 22/38	1001382-04	0.1	10	100	56/72				
Cu 23/39	1001382-04	0.4	10	25	57/73				
Zn 24/40	1001382-05	0.04	10	250	58/74				
Pb 25/41	1001382-05	0.05	10	200	59/75				
Cu 26/42	1001382-05	0.1	10	100	60/76				
Zn 27/43	1001382-06	0.2	10	50	61/77				
28/44	SR02			250	62/78				
29/45	1000891-PS2	0.2	10	50	63/79				
Pb 30/46	1001382-06	0.4	10	25	64/80				
31/47	SR03			125	65/81				
32/48	1000891-PS3	0.4	10	25	66/82				
Cu 33/49	1001382-06	1	10	10	67/83				
34/50	1000891-MS1	1	10	10	68/84				

Instrument Tuning Report

File Name: 03FEB2010_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	7.028	1525	2025	0.834	
Co	58.933	58.928	14196	2005	0.859	
In	114.904	114.927	27846	2000	0.844	
Ba	137.905	137.929	33457	1990	0.845	
Ce	139.905	139.878	33947	1985	0.876	
Tl	204.975	205.026	49825	1980	0.862	

Report Date/Time: Wednesday, February 03, 2010 18:15:10

Daily Performance Report

Sample ID: 0010896
Sample Date/Time: Wednesday, February 03, 2010 18:15:35
Sample Description:
Method File: C:\elandata\Method\6020A_Daily.mth
Dataset File:
Tuning File: C:\Elandata\Tuning\03FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\03FEB2010_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	9911.9	9911.873	52.654	0.5
	Co	58.9	116518.7	116518.740	2018.961	1.7
	In	114.9	300093.0	300093.048	5315.162	1.8
	Tl	205.0	198863.3	198863.317	3164.454	1.6
⌈>	Ba	137.9	248846.1	248846.093	3847.116	1.5
⌊	Ba++	69.0	4023.6	0.016	0.001	3.1
⌈>	Ce	139.9	317540.2	317540.209	2323.555	0.7
⌊	CeO	155.9	8105.3	0.026	0.001	5.4
	Bkgd	220.0	8.8	8.833	3.764	42.6

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	9838.771	9838.771
Co	59	115559.275	115559.275
In	115	301965.651	301965.651
Tl	205	201713.528	201713.528
Ba	138	247379.113	247379.113
Ba++	69	3890.059	0.016
Ce	140	317904.423	317904.423
CeO	156	7937.408	0.025
Bkgd	220	9.000	9.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	9944.918	9944.918
Co	59	117108.197	117108.197
In	115	307654.835	307654.835
Tl	205	199946.885	199946.885
Ba	138	249516.594	249516.594
Ba++	69	4047.146	0.016
Ce	140	321997.797	321997.797
CeO	156	8423.964	0.026
Bkgd	220	6.000	6.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	9907.867	9907.867
Co	59	116337.760	116337.760
In	115	294270.574	294270.574
Tl	205	194261.179	194261.179
Ba	138	245804.144	245804.144
Ba++	69	4111.183	0.017
Ce	140	315998.589	315998.589
CeO	156	8397.934	0.027
Bkgd	220	7.000	7.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	9929.897	9929.897
Co	59	113189.785	113189.785
In	115	293971.239	293971.239

Tl	205	196208.329	196208.329
Ba	138	254648.344	254648.344
Ba++	69	3942.088	0.015
Ce	140	315899.340	315899.340
CeO	156	7598.039	0.024
Bkgd	220	6.000	6.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	9982.971	9982.971
Co	59	117973.259	117973.259
In	115	303085.803	303085.803
Tl	205	198651.483	198651.483
Ba	138	251507.808	251507.808
Ba++	69	4070.159	0.016
Ce	140	316182.463	316182.463
CeO	156	8651.236	0.027
Bkgd	220	9.000	9.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	9866.810	9866.810
Co	59	118944.162	118944.162
In	115	299610.184	299610.184
Tl	205	202398.501	202398.501
Ba	138	244220.554	244220.554
Ba++	69	4081.166	0.017
Ce	140	317258.641	317258.641
CeO	156	7623.066	0.024
Bkgd	220	16.000	16.000

Sample/Batch Report

User Name: Administrator
Computer Name: ELAN6000_22
Sample File: C:\Elandata\Sample\0B03065.sam
Report Date/Time: Wednesday, February 03, 2010 18:22:31

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
17		1000891-BLK1		Sample					
18		1000891-BS1		Sample					
19		1001382-01		Sample					
20		1001382-02		Sample					
21		1001382-03		Sample					
22		1001382-04		Sample					
23		1001382-05		Sample					
24		1001382-06		Sample					
25		1000891-MS1		Sample					
26		1000891-MSD1		Sample					
27		0B03065-SRD1		Sample					
28		1000891-PS1		Sample					
29		1001382-07		Sample					
30		1001382-08		Sample					

Sample Information

Sample ID: 0B03065-CAL1
Autosampler Position: 1
Sample Date/Time: Wednesday, February 03, 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\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-CAL1.001
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	497736.620					mg/L
	Be	9	3.667					mg/L
	V	51	3708.811					mg/L
	Cr	52	11223.256					mg/L
	Cr	53	546.360					mg/L
	Co	59	110.669					mg/L
	Cu	63	210.339					mg/L
	Cu	65	115.335					mg/L
	Zn	66	255.007					mg/L
	Zn	68	451.686					mg/L
>	Ge	72	339597.174					mg/L
	As	75	782.637					mg/L
	Se	77	132.003					mg/L
	Se	82	-35.092					mg/L
>	Rh	103	407840.474					mg/L
	Ag	107	34.667					mg/L
	Cd	111	5.398					mg/L
	Cd	114	17.232					mg/L
	Tl	203	80.668					mg/L
	Tl	205	181.337					mg/L
	Pb	208	656.685					mg/L
>	Bi	209	364600.712					mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	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
	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	495852 108			mg/L
Be	9	5 000			mg/L
V	51	3804 738			mg/L
Cr	52	11242 984			mg/L
Cr	53	548 027			mg/L
Co	59	100 002			mg/L
Cu	63	197 006			mg/L
Cu	65	123 003			mg/L
Zn	66	247 007			mg/L
Zn	68	420 017			mg/L
Ge	72	341838 608			mg/L
As	75	925 488			mg/L
Se	77	127 002			mg/L
Se	82	82 052			mg/L
Rh	103	407356 738			mg/L
Ag	107	44 001			mg/L
Cd	111	12 062			mg/L
Cd	114	78 832			mg/L
Tl	203	82 001			mg/L
Tl	205	198 008			mg/L
Pb	208	664 018			mg/L
Bi	209	368630 638			mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	501423 868			mg/L
Be	9	3 000			mg/L
V	51	3847 198			mg/L
Cr	52	11145 801			mg/L
Cr	53	555 027			mg/L
Co	59	119 002			mg/L
Cu	63	209 006			mg/L
Cu	65	127 002			mg/L
Zn	66	262 007			mg/L
Zn	68	440 018			mg/L
Ge	72	338718 410			mg/L
As	75	641 546			mg/L
Se	77	133 003			mg/L
Se	82	24 644			mg/L
Rh	103	410681 798			mg/L
Ag	107	29 000			mg/L
Cd	111	0 659			mg/L
Cd	114	15 006			mg/L
Tl	203	68 001			mg/L
Tl	205	188 004			mg/L
Pb	208	631 017			mg/L
Bi	209	364850 622			mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	496132 897			mg/L
Be	9	3 000			mg/L
V	51	3874 486			mg/L
Cr	52	11281 014			mg/L
Cr	53	536 025			mg/L
Co	59	110 002			mg/L
Cu	63	225 006			mg/L
Cu	65	118 002			mg/L
Zn	66	258 007			mg/L
Zn	68	495 022			mg/L
Ge	72	338436 508			mg/L
As	75	780 679			mg/L
Se	77	136 003			mg/L
Se	82	1 421			mg/L
Rh	103	406270 882			mg/L
Ag	107	31 000			mg/L
Cd	111	3 474			mg/L
Cd	114	16 760			mg/L
Tl	203	91 001			mg/L
Tl	205	157 003			mg/L
Pb	208	675 020			mg/L
Bi	209	360420 973			mg/L

Sample Information

Sample ID: 0B03065-CAL2
Autosampler Position: 9
Sample Date/Time: Wednesday, February 03, 2010 18:26:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-CAL2.002
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	488892.677	488892.677				mg/L
	Be	9	17.334	0.000				mg/L
	V	51	4232.416	0.001				mg/L
	Cr	52	11898.688	0.002				mg/L
	Cr	53	614.033	0.000				mg/L
	Co	59	591.030	0.001				mg/L
	Cu	63	536.359	0.001				mg/L
	Cu	65	281.008	0.000				mg/L
	Zn	66	564.695	0.001				mg/L
	Zn	68	663.371	0.001				mg/L
>	Ge	72	343302.840	343302.840				mg/L
	As	75	720.632	-0.000				mg/L
	Se	77	150.670	0.000				mg/L
	Se	82	-0.439	0.000				mg/L
>	Rh	103	402226.210	402226.210				mg/L
	Ag	107	457.019	0.001	0.000040	0.000	5.386	mg/L
	Cd	111	91.648	0.000	0.000040	0.000	18.909	mg/L
	Cd	114	257.789	0.001	0.000040	0.000	2.021	mg/L
	Tl	203	402.349	0.001	0.000040	0.000	3.232	mg/L
	Tl	205	951.406	0.002	0.000040	0.000	2.357	mg/L
	Pb	208	1922.120	0.004				mg/L
>	Bi	209	361198.147	361198.147				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	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
	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	483748.071	483748.071		mg/L
Be	9	12.000	0.000		mg/L
V	51	4258.446	0.002		mg/L
Cr	52	11875.883	0.002		mg/L
Cr	53	612.032	0.000		mg/L
Co	59	618.033	0.001		mg/L
Cu	63	548.028	0.001		mg/L
Cu	65	263.007	0.000		mg/L
Zn	66	587.026	0.001		mg/L
Zn	68	680.037	0.001		mg/L
Ge	72	342190.188	342190.188		mg/L
As	75	698.280	-0.000		mg/L
Se	77	154.003	0.000		mg/L
Se	82	8.471	0.000		mg/L
Rh	103	402456.224	402456.224		mg/L
Ag	107	431.017	0.001	0.000038	mg/L
Cd	111	78.087	0.000	0.000034	mg/L
Cd	114	263.320	0.001	0.000041	mg/L
Tl	203	401.018	0.001	0.000038	mg/L
Tl	205	942.072	0.002	0.000039	mg/L
Pb	208	1884.116	0.005		mg/L
Bi	209	363983.503	363983.503		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	494087.049	494087.049		mg/L
Be	9	22.000	0.000		mg/L
V	51	4217.056	0.001		mg/L
Cr	52	11817.062	0.002		mg/L
Cr	53	618.033	0.000		mg/L
Co	59	577.029	0.001		mg/L
Cu	63	545.028	0.001		mg/L
Cu	65	278.008	0.000		mg/L
Zn	66	528.029	0.001		mg/L
Zn	68	651.035	0.001		mg/L
Ge	72	342564.508	342564.508		mg/L
As	75	707.523	-0.000		mg/L
Se	77	145.003	0.000		mg/L
Se	82	8.703	0.000		mg/L
Rh	103	399002.277	399002.277		mg/L
Ag	107	455.020	0.001	0.000041	mg/L
Cd	111	108.908	0.000	0.000048	mg/L
Cd	114	251.873	0.001	0.000039	mg/L
Tl	203	411.018	0.001	0.000041	mg/L
Tl	205	941.071	0.002	0.000040	mg/L
Pb	208	1923.117	0.004		mg/L
Bi	209	356332.723	356332.723		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	488841.912	488841.912		mg/L
Be	9	18.000	0.000		mg/L
V	51	4221.747	0.001		mg/L
Cr	52	11903.028	0.001		mg/L
Cr	53	614.033	0.000		mg/L
Co	59	578.029	0.001		mg/L
Cu	63	519.024	0.001		mg/L
Cu	65	302.009	0.001		mg/L
Zn	66	599.031	0.001		mg/L
Zn	68	679.036	0.001		mg/L
Ge	72	345153.824	345153.824		mg/L
As	75	756.982	0.000		mg/L
Se	77	153.003	0.000		mg/L
Se	82	-1.548	0.000		mg/L
Rh	103	405220.130	405220.130		mg/L
Ag	107	475.021	0.001	0.000041	mg/L
Cd	111	87.975	0.000	0.000038	mg/L
Cd	114	256.374	0.001	0.000040	mg/L
Tl	203	395.016	0.001	0.000039	mg/L
Tl	205	971.076	0.002	0.000041	mg/L
Pb	208	1979.128	0.004		mg/L
Bi	209	361268.214	361268.214		mg/L

: 20609

Sample Information

Sample ID: 0B03065-CAL3
Autosampler Position: 3
Sample Date/Time: Wednesday, February 03, 2010 18:30:11
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-CAL3.003
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	500212.694	500212.694				mg/L
⌊	Be	9	59.334	0.000	0.000200	0.000	9.078	mg/L
⌈	V	51	5981.217	0.006	0.000200	0.000	9.292	mg/L
|	Cr	52	13436.764	0.006	0.000200	0.000	20.263	mg/L
|	Cr	53	850.392	0.001	0.000200	0.000	11.444	mg/L
|	Co	59	2478.455	0.007	0.000200	0.000	1.518	mg/L
|	Cu	63	1413.487	0.003	0.000200	0.000	5.007	mg/L
|	Cu	65	678.706	0.002	0.000200	0.000	2.442	mg/L
|	Zn	66	501.689	0.001	0.000200	0.000	5.803	mg/L
|	Zn	68	625.367	0.000	0.000200	0.000	8.956	mg/L
|>	Ge	72	344643.336	344643.336				mg/L
|	As	75	1139.562	0.001	0.000200	0.000	24.183	mg/L
|	Se	77	170.004	0.000	0.000200	0.000	37.094	mg/L
⌊	Se	82	63.452	0.000	0.000200	0.000	41.264	mg/L
⌈>	Rh	103	407983.039	407983.039				mg/L
|	Ag	107	2300.727	0.006	0.000200	0.000	3.087	mg/L
|	Cd	111	532.564	0.001	0.000201	0.000	4.017	mg/L
⌊	Cd	114	1153.895	0.003	0.000199	0.000	6.647	mg/L
⌈	Tl	203	1762.902	0.005	0.000200	0.000	5.896	mg/L
|	Tl	205	4201.277	0.011	0.000200	0.000	1.244	mg/L
|	Pb	208	6183.446	0.015	0.000200	0.000	0.481	mg/L
⌊>	Bi	209	368198.789	368198.789				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	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	

: 00510

	Cd	110.904
	Cd	113.904
	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	498304.847	498304.847		mg/L
Be	9	54.001	0.000	0.000181	mg/L
V	51	5838.761	0.008	0.000180	mg/L
Cr	52	13143.212	0.006	0.000156	mg/L
Cr	53	823.056	0.001	0.000174	mg/L
Co	59	2486.451	0.007	0.000188	mg/L
Cu	63	1366.144	0.003	0.000189	mg/L
Cu	65	702.042	0.002	0.000205	mg/L
Zn	66	492.022	0.001	0.000187	mg/L
Zn	68	816.033	0.000	0.000179	mg/L
Ge	72	349061.584	349061.584		mg/L
As	75	1250.951	0.001	0.000298	mg/L
Se	77	178.004	0.000	0.000232	mg/L
Se	82	110.802	0.000	0.000293	mg/L
Rh	103	409813.432	409813.432		mg/L
Ag	107	2252.378	0.008	0.000196	mg/L
Cd	111	511.439	0.001	0.000182	mg/L
Cd	114	1071.602	0.003	0.000184	mg/L
Tl	203	1783.243	0.006	0.000204	mg/L
Tl	205	4186.269	0.011	0.000198	mg/L
Pb	208	6181.102	0.015	0.000200	mg/L
Bi	209	368387.432	368387.432		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	502520.022	502520.022		mg/L
Be	9	60.001	0.000	0.000201	mg/L
V	51	6085.630	0.007	0.000217	mg/L
Cr	52	13581.039	0.007	0.000239	mg/L
Cr	53	868.081	0.001	0.000218	mg/L
Co	59	2484.450	0.007	0.000202	mg/L
Cu	63	1448.161	0.004	0.000209	mg/L
Cu	65	667.038	0.002	0.000199	mg/L
Zn	66	505.023	0.001	0.000209	mg/L
Zn	68	828.034	0.001	0.000212	mg/L
Ge	72	339868.568	339868.568		mg/L
As	75	1078.057	0.001	0.000174	mg/L
Se	77	177.004	0.000	0.000253	mg/L
Se	82	31.462	0.000	0.000137	mg/L
Rh	103	403256.529	403256.529		mg/L
Ag	107	2351.410	0.008	0.000207	mg/L
Cd	111	531.148	0.001	0.000203	mg/L
Cd	114	1174.947	0.003	0.000206	mg/L
Tl	203	1838.256	0.006	0.000210	mg/L
Tl	205	4148.246	0.011	0.000198	mg/L
Pb	208	6187.118	0.015	0.000201	mg/L
Bi	209	366984.917	366984.917		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	498813.213	498813.213		mg/L
Be	9	64.001	0.000	0.000217	mg/L
V	51	6019.280	0.007	0.000202	mg/L
Cr	52	13588.044	0.008	0.000212	mg/L
Cr	53	863.081	0.001	0.000207	mg/L
Co	59	2502.463	0.007	0.000202	mg/L
Cu	63	1426.157	0.004	0.000202	mg/L
Cu	65	667.039	0.002	0.000189	mg/L
Zn	66	508.023	0.001	0.000204	mg/L
Zn	68	834.034	0.001	0.000209	mg/L
Ge	72	345218.857	345218.857		mg/L
As	75	1088.879	0.001	0.000170	mg/L
Se	77	155.003	0.000	0.000115	mg/L
Se	82	46.291	0.000	0.000170	mg/L
Rh	103	411079.156	411079.156		mg/L
Ag	107	2298.393	0.008	0.000199	mg/L
Cd	111	565.106	0.001	0.000208	mg/L
Cd	114	1215.137	0.003	0.000208	mg/L
Tl	203	1867.209	0.004	0.000187	mg/L
Tl	205	4268.318	0.011	0.000203	mg/L
Pb	208	6172.119	0.015	0.000199	mg/L
Bi	209	369224.018	369224.018		mg/L

Sample ID: 0B03065-CAL3
Report Date/Time: Wednesday, February 03, 2010 18:31:52

Sample Information

Sample ID: 0B03065-CAL4
Autosampler Position: 4
Sample Date/Time: Wednesday, February 03, 2010 18:33:34
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-CAL4.004
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	495345.704	495345.704				mg/L
⌊	Be	9	310.010	0.001	0.001004	0.000	5.230	mg/L
⌈	V	51	15277.658	0.034	0.001002	0.000	2.776	mg/L
|	Cr	52	21971.298	0.032	0.001003	0.000	6.632	mg/L
|	Cr	53	1739.563	0.004	0.000992	0.000	6.182	mg/L
|	Co	59	12431.937	0.036	0.001002	0.000	1.887	mg/L
|	Cu	63	6262.808	0.018	0.001001	0.000	0.380	mg/L
|	Cu	65	3070.691	0.009	0.001003	0.000	3.609	mg/L
|	Zn	66	1817.916	0.005	0.001009	0.000	4.473	mg/L
|	Zn	68	1593.860	0.003	0.001011	0.000	4.932	mg/L
|>	Ge	72	338096.428	338096.428				mg/L
|	As	75	2672.407	0.006	0.001004	0.000	4.423	mg/L
|	Se	77	294.009	0.000	0.000997	0.000	23.214	mg/L
⌊	Se	82	193.287	0.001	0.000959	0.000	12.885	mg/L
⌈>	Rh	103	407306.965	407306.965				mg/L
|	Ag	107	11335.437	0.028	0.001000	0.000	1.847	mg/L
|	Cd	111	2545.091	0.006	0.000999	0.000	5.429	mg/L
⌊	Cd	114	5761.010	0.014	0.001000	0.000	1.199	mg/L
⌈	Tl	203	8643.314	0.023	0.001001	0.000	2.358	mg/L
|	Tl	205	20721.224	0.056	0.001001	0.000	1.916	mg/L
|	Pb	208	28335.305	0.075	0.001000	0.000	1.790	mg/L
⌊>	Bi	209	369587.524	369587.524				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	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	

00612

	Cd	110.904
	Cd	113.904
	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	486208.978	486308.978		mg/L
Be	9	321.010	0.001	0.001069	mg/L
V	51	15298.636	0.034	0.000887	mg/L
Cr	52	21888.087	0.030	0.000849	mg/L
Cr	53	1793.243	0.004	0.001017	mg/L
Co	59	12722.447	0.037	0.001012	mg/L
Cu	63	6384.898	0.018	0.001004	mg/L
Cu	65	3070.991	0.009	0.000989	mg/L
Zn	66	1798.244	0.004	0.000980	mg/L
Zn	68	1567.188	0.003	0.000954	mg/L
Ge	72	342560.878	342560.878		mg/L
As	75	2638.859	0.006	0.000897	mg/L
Se	77	258.007	0.000	0.000755	mg/L
Se	82	174.475	0.001	0.000870	mg/L
Rh	103	408543.681	408543.681		mg/L
Ag	107	11275.004	0.028	0.000982	mg/L
Cd	111	2494.347	0.008	0.000878	mg/L
Cd	114	5729.388	0.014	0.000891	mg/L
Tl	203	8895.376	0.024	0.001026	mg/L
Tl	205	20488.579	0.056	0.001008	mg/L
Pb	208	28321.280	0.079	0.001019	mg/L
Bi	209	362707.488	362707.488		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	501854.588	501854.588		mg/L
Be	9	299.009	0.001	0.000958	mg/L
V	51	15188.751	0.034	0.000886	mg/L
Cr	52	21889.708	0.031	0.000882	mg/L
Cr	53	1686.211	0.003	0.000822	mg/L
Co	59	12241.603	0.036	0.000980	mg/L
Cu	63	6278.819	0.018	0.000997	mg/L
Cu	65	3010.864	0.009	0.000975	mg/L
Zn	66	1795.244	0.005	0.000987	mg/L
Zn	68	1598.186	0.003	0.001008	mg/L
Ge	72	340233.988	340233.988		mg/L
As	75	2668.419	0.006	0.000893	mg/L
Se	77	332.011	0.001	0.001216	mg/L
Se	82	228.264	0.001	0.001100	mg/L
Rh	103	409266.299	409266.299		mg/L
Ag	107	11629.578	0.028	0.001021	mg/L
Cd	111	2458.822	0.008	0.000980	mg/L
Cd	114	5763.078	0.014	0.000998	mg/L
Tl	203	8743.436	0.023	0.000997	mg/L
Tl	205	20583.821	0.054	0.000979	mg/L
Pb	208	28296.187	0.074	0.000983	mg/L
Bi	209	375213.387	375213.387		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	497873.546	497873.546		mg/L
Be	9	310.010	0.001	0.000998	mg/L
V	51	15347.588	0.035	0.001034	mg/L
Cr	52	22338.098	0.034	0.001077	mg/L
Cr	53	1759.234	0.004	0.001037	mg/L
Co	59	12331.758	0.037	0.001014	mg/L
Cu	63	6146.705	0.018	0.001002	mg/L
Cu	65	3130.717	0.009	0.001044	mg/L
Zn	66	1882.261	0.005	0.001031	mg/L
Zn	68	1621.200	0.004	0.001063	mg/L
Ge	72	331504.441	331504.441		mg/L
As	75	2711.942	0.006	0.001053	mg/L
Se	77	292.009	0.000	0.001019	mg/L
Se	82	177.131	0.001	0.000908	mg/L
Rh	103	404111.908	404111.908		mg/L
Ag	107	11101.732	0.027	0.000987	mg/L
Cd	111	2682.104	0.007	0.001081	mg/L
Cd	114	5793.586	0.014	0.001014	mg/L
Tl	203	8490.128	0.023	0.000979	mg/L
Tl	205	21080.271	0.056	0.001015	mg/L
Pb	208	26389.488	0.075	0.000998	mg/L
Bi	209	370841.589	370841.589		mg/L

Sample ID: 0B03065-CAL4
Report Date/Time: Wednesday, February 03, 2010 18:35:16

Sample Information

Sample ID: 0B03065-CAL5
Autosampler Position: 5
Sample Date/Time: Wednesday, February 03, 2010 18:36:59
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-CAL5.005
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	493646.988	493646.988				mg/L
⌊	Be	9	2988.655	0.006	0.009998	0.000	2.365	mg/L
⌈	V	51	114901.364	0.330	0.009996	0.000	0.531	mg/L
|	Cr	52	108331.753	0.288	0.009989	0.000	0.976	mg/L
|	Cr	53	11703.032	0.033	0.009992	0.000	2.251	mg/L
|	Co	59	118004.635	0.350	0.009996	0.000	0.766	mg/L
⌈	Cu	63	59468.120	0.176	0.009998	0.000	0.191	mg/L
|	Cu	65	28349.765	0.084	0.009996	0.000	0.669	mg/L
|	Zn	66	15599.176	0.046	0.009999	0.000	2.386	mg/L
|	Zn	68	11779.158	0.034	0.010000	0.000	2.017	mg/L
|>	Ge	72	337210.180	337210.180				mg/L
|	As	75	20940.122	0.060	0.010007	0.000	1.421	mg/L
|	Se	77	1637.871	0.004	0.009992	0.000	4.195	mg/L
⌊	Se	82	1963.475	0.006	0.009981	0.000	2.015	mg/L
⌈>	Rh	103	393833.832	393833.832				mg/L
|	Ag	107	108427.297	0.275	0.009999	0.000	3.136	mg/L
|	Cd	111	24273.487	0.062	0.009999	0.000	1.073	mg/L
⌊	Cd	114	57577.035	0.146	0.010004	0.000	1.888	mg/L
⌈	Tl	203	85134.234	0.237	0.010002	0.000	1.434	mg/L
|	Tl	205	202947.945	0.564	0.010002	0.000	2.143	mg/L
|	Pb	208	274471.468	0.762	0.010002	0.000	0.277	mg/L
⌊>	Bi	209	359303.477	359303.477				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	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	

20614

	Cd	110.904
	Cd	113.904
	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	484227.848	484227.848		mg/L
Be	9	2908.821	0.008	0.009817	mg/L
V	51	114777.337	0.330	0.009888	mg/L
Cr	52	108408.518	0.289	0.010000	mg/L
Cr	53	11713.714	0.033	0.010004	mg/L
Co	59	117202.884	0.347	0.009831	mg/L
Cu	63	58520.663	0.178	0.010010	mg/L
Cu	65	26292.203	0.084	0.009978	mg/L
Zn	66	15298.814	0.049	0.009804	mg/L
Zn	68	11515.390	0.033	0.009770	mg/L
Ge	72	337119.348	337119.348		mg/L
As	75	20781.081	0.058	0.009831	mg/L
Se	77	1880.210	0.006	0.010142	mg/L
Se	82	1982.744	0.006	0.010079	mg/L
Rh	103	398688.348	398688.348		mg/L
Ag	107	108464.617	0.287	0.009886	mg/L
Cd	111	24774.506	0.081	0.009878	mg/L
Cd	114	57237.656	0.144	0.009821	mg/L
Tl	203	86233.288	0.240	0.010148	mg/L
Tl	205	207423.882	0.578	0.010238	mg/L
Pb	208	273146.615	0.780	0.009970	mg/L
Bi	209	356712.074	356712.074		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	488145.623	488145.623		mg/L
Be	9	3034.675	0.008	0.010264	mg/L
V	51	115298.588	0.332	0.010053	mg/L
Cr	52	109001.478	0.291	0.010081	mg/L
Cr	53	11923.062	0.034	0.010211	mg/L
Co	59	118753.202	0.353	0.010080	mg/L
Cu	63	59215.026	0.175	0.009876	mg/L
Cu	65	26500.029	0.084	0.010070	mg/L
Zn	66	15975.004	0.047	0.010255	mg/L
Zn	68	11848.938	0.034	0.010084	mg/L
Ge	72	336515.880	336515.880		mg/L
As	75	21227.188	0.061	0.010171	mg/L
Se	77	1883.218	0.005	0.010315	mg/L
Se	82	1988.024	0.006	0.010114	mg/L
Rh	103	397324.507	397324.507		mg/L
Ag	107	109227.898	0.275	0.009881	mg/L
Cd	111	24597.265	0.062	0.010042	mg/L
Cd	114	58026.280	0.148	0.009981	mg/L
Tl	203	84849.832	0.237	0.009888	mg/L
Tl	205	198742.936	0.564	0.009823	mg/L
Pb	208	274138.500	0.783	0.010019	mg/L
Bi	209	356254.984	356254.984		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	508587.398	508587.398		mg/L
Be	9	3022.670	0.008	0.009813	mg/L
V	51	114630.180	0.328	0.009848	mg/L
Cr	52	107587.283	0.285	0.009887	mg/L
Cr	53	11472.320	0.032	0.009781	mg/L
Co	59	118067.810	0.349	0.009977	mg/L
Cu	63	59668.783	0.176	0.010009	mg/L
Cu	65	26257.064	0.083	0.009940	mg/L
Zn	66	15526.011	0.045	0.009628	mg/L
Zn	68	11873.146	0.034	0.010147	mg/L
Ge	72	337995.331	337995.331		mg/L
As	75	20812.115	0.059	0.009919	mg/L
Se	77	1570.188	0.004	0.009618	mg/L
Se	82	1821.658	0.005	0.009749	mg/L
Rh	103	385480.848	385480.848		mg/L
Ag	107	109588.376	0.284	0.010322	mg/L
Cd	111	23948.681	0.062	0.010077	mg/L
Cd	114	57467.171	0.149	0.010199	mg/L
Tl	203	84319.604	0.233	0.009861	mg/L
Tl	205	202677.238	0.561	0.009943	mg/L
Pb	208	276130.290	0.783	0.010017	mg/L
Bi	209	360843.392	360843.392		mg/L

Sample Information

Sample ID: 0B03065-CAL6

Autosampler Position: 6
Sample Date/Time: Wednesday, February 03, 2010 18:40:22
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-CAL6.006
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	487136.704	487136.704				mg/L
[	Be	9	5979.896	0.012	0.020056	0.000	1.059	mg/L
[	V	51	223690.653	0.651	0.019943	0.000	0.727	mg/L
|	Cr	52	198958.154	0.555	0.019844	0.000	0.912	mg/L
|	Cr	53	23122.936	0.067	0.020032	0.000	1.360	mg/L
|	Co	59	236024.114	0.698	0.019990	0.000	0.818	mg/L
|	Cu	63	116167.178	0.343	0.019900	0.000	0.789	mg/L
|	Cu	65	56356.053	0.166	0.019972	0.001	2.513	mg/L
|	Zn	66	31602.076	0.093	0.020074	0.000	1.756	mg/L
|	Zn	68	23410.535	0.068	0.020043	0.000	0.604	mg/L
\>	Ge	72	338086.486	338086.486				mg/L
|	As	75	40086.705	0.116	0.019888	0.000	1.464	mg/L
|	Se	77	3101.705	0.009	0.019928	0.001	5.214	mg/L
[	Se	82	3947.422	0.012	0.019968	0.001	3.347	mg/L
[>	Rh	103	398378.749	398378.749				mg/L
|	Ag	107	218144.750	0.548	0.019977	0.000	2.122	mg/L
|	Cd	111	49388.185	0.124	0.020023	0.000	2.219	mg/L
[	Cd	114	114190.846	0.287	0.019921	0.001	2.583	mg/L
[	Tl	203	171962.115	0.478	0.020038	0.000	1.060	mg/L
|	Tl	205	410598.864	1.141	0.020045	0.000	1.472	mg/L
|	Pb	208	547734.161	1.521	0.019993	0.000	1.684	mg/L
[>	Bi	209	359694.424	359694.424				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	
[	Be	9.012	
[	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	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
	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	494794.803	494794.803		mg/L
Be	9	8057.628	0.012	0.020002	mg/L
V	51	223861.178	0.858	0.020110	mg/L
Cr	52	198358.778	0.561	0.020046	mg/L
Cr	53	25184.631	0.068	0.020251	mg/L
Co	59	232861.303	0.684	0.019879	mg/L
Cu	63	115780.871	0.344	0.019983	mg/L
Cu	65	56883.987	0.169	0.020345	mg/L
Zn	66	31998.934	0.096	0.020481	mg/L
Zn	68	23351.341	0.068	0.020144	mg/L
> Ge	72	335558.348	335558.348		mg/L
As	75	39354.246	0.115	0.019988	mg/L
Se	77	3256.774	0.009	0.021121	mg/L
Se	82	4035.640	0.012	0.020668	mg/L
> Rh	103	400852.706	400852.706		mg/L
Ag	107	215920.038	0.539	0.019930	mg/L
Cd	111	49160.874	0.123	0.019808	mg/L
Cd	114	111484.410	0.278	0.019327	mg/L
Tl	203	168522.475	0.476	0.019804	mg/L
Tl	205	411879.341	1.160	0.020378	mg/L
Pb	208	549588.508	1.547	0.020330	mg/L
> Bi	209	354879.538	354879.538		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
> Li	6	481983.488	481983.488		mg/L
Be	9	5863.464	0.012	0.019875	mg/L
V	51	224546.220	0.848	0.019848	mg/L
Cr	52	199210.703	0.561	0.019892	mg/L
Cr	53	23418.661	0.067	0.020119	mg/L
Co	59	237117.813	0.696	0.019913	mg/L
Cu	63	118098.028	0.340	0.019719	mg/L
Cu	65	55222.192	0.162	0.019401	mg/L
Zn	66	31564.905	0.092	0.019878	mg/L
Zn	68	23458.883	0.067	0.019909	mg/L
> Ge	72	340984.606	340984.606		mg/L
As	75	40209.326	0.116	0.019779	mg/L
Se	77	3022.670	0.008	0.019222	mg/L
Se	82	3835.883	0.011	0.019243	mg/L
> Rh	103	398688.789	398688.789		mg/L
Ag	107	222391.186	0.561	0.020466	mg/L
Cd	111	50424.814	0.127	0.020534	mg/L
Cd	114	115421.052	0.291	0.020224	mg/L
Tl	203	173458.561	0.475	0.019928	mg/L
Tl	205	411758.556	1.128	0.019816	mg/L
Pb	208	546311.581	1.498	0.019857	mg/L
> Bi	209	364830.638	364830.638		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
> Li	6	484632.020	484632.020		mg/L
Be	9	6018.586	0.012	0.020290	mg/L
V	51	222874.581	0.848	0.019872	mg/L
Cr	52	198303.981	0.554	0.019786	mg/L
Cr	53	22755.416	0.066	0.019727	mg/L
Co	59	237993.225	0.704	0.020179	mg/L
Cu	63	118624.537	0.348	0.019999	mg/L
Cu	65	56861.999	0.168	0.020170	mg/L
Zn	66	31242.488	0.092	0.019883	mg/L
Zn	68	23424.581	0.068	0.020075	mg/L
> Ge	72	337738.507	337738.507		mg/L
As	75	40896.545	0.118	0.020216	mg/L
Se	77	3026.871	0.009	0.019441	mg/L
Se	82	3970.743	0.012	0.020102	mg/L
> Rh	103	397684.751	397684.751		mg/L
Ag	107	218123.043	0.543	0.019825	mg/L
Cd	111	48579.087	0.122	0.019728	mg/L
Cd	114	115667.087	0.291	0.020212	mg/L
Tl	203	173907.319	0.484	0.020283	mg/L
Tl	205	408160.606	1.135	0.019841	mg/L
Pb	208	547302.387	1.521	0.019982	mg/L
> Bi	209	359373.098	359373.098		mg/L

Sample ID: 0B03065-CAL6
Report Date/Time: Wednesday, February 03, 2010 18:42:02

Sample Information

Sample ID: 0B03065-CAL7
Autosampler Position: 7
Sample Date/Time: Wednesday, February 03, 2010 18:43:44
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-CAL7.007
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	491569.454	491569.454				mg/L
[	Be	9	15012.578	0.031	0.049986	0.001	1.026	mg/L
[	V	51	554002.625	1.650	0.050094	0.001	1.382	mg/L
[	Cr	52	483556.745	1.417	0.050101	0.000	0.997	mg/L
[	Cr	53	56747.107	0.169	0.050090	0.000	0.423	mg/L
[	Co	59	577652.355	1.731	0.049933	0.000	0.802	mg/L
[	Cu	63	279530.515	0.837	0.049758	0.001	1.103	mg/L
[	Cu	65	135278.484	0.405	0.049768	0.000	0.744	mg/L
[	Zn	66	76069.369	0.227	0.049866	0.000	0.678	mg/L
[	Zn	68	56045.918	0.167	0.049864	0.001	1.266	mg/L
[>	Ge	72	333561.219	333561.219				mg/L
[	As	75	97058.325	0.289	0.049895	0.001	1.441	mg/L
[	Se	77	7261.762	0.021	0.049741	0.001	1.030	mg/L
[	Se	82	9878.585	0.030	0.050062	0.001	2.267	mg/L
[>	Rh	103	395211.430	395211.430				mg/L
[	Ag	107	523004.826	1.323	0.049705	0.001	1.838	mg/L
[	Cd	111	122401.560	0.310	0.050005	0.001	2.730	mg/L
[	Cd	114	281828.288	0.713	0.049927	0.001	2.570	mg/L
[	Tl	203	419377.951	1.161	0.049776	0.001	1.229	mg/L
[	Tl	205	999547.878	2.767	0.049763	0.001	1.146	mg/L
[	Pb	208	1341948.747	3.714	0.049799	0.001	1.055	mg/L
[>	Bi	209	361129.661	361129.661				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	
[	Be	9.012	
[	V	50.944	
[	Cr	51.941	
[	Cr	52.941	
[	Co	58.933	
[	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
	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	500282.968	500282.968		mg/L
Be	9	15117.131	0.030	0.049454	mg/L
V	51	548884.088	1.624	0.049304	mg/L
Cr	52	482373.548	1.404	0.049886	mg/L
Cr	53	57158.381	0.169	0.050151	mg/L
Co	59	575802.752	1.715	0.049472	mg/L
Cu	63	282963.308	0.843	0.050083	mg/L
Cu	65	139008.888	0.406	0.049736	mg/L
Zn	66	76263.728	0.227	0.049891	mg/L
Zn	68	55884.811	0.166	0.049218	mg/L
Ge	72	338685.582	338685.582		mg/L
As	75	98632.617	0.288	0.049373	mg/L
Se	77	7236.736	0.021	0.049276	mg/L
Se	82	9878.963	0.029	0.048756	mg/L
Rh	103	390226.758	390226.758		mg/L
Ag	107	527391.848	1.361	0.050756	mg/L
Cd	111	124171.616	0.318	0.051387	mg/L
Cd	114	288652.887	0.734	0.051403	mg/L
Tl	203	426140.843	1.178	0.050436	mg/L
Tl	205	991810.513	2.737	0.049219	mg/L
Pb	208	1333729.408	3.681	0.049348	mg/L
Bi	209	362162.863	362162.863		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	485387.849	485387.849		mg/L
Be	9	14837.543	0.031	0.050029	mg/L
V	51	556139.973	1.667	0.050598	mg/L
Cr	52	484862.930	1.432	0.050846	mg/L
Cr	53	56036.508	0.168	0.049866	mg/L
Co	59	575524.620	1.739	0.050143	mg/L
Cu	63	279180.315	0.843	0.050087	mg/L
Cu	65	133258.887	0.402	0.049416	mg/L
Zn	66	75143.942	0.226	0.049560	mg/L
Zn	68	56288.478	0.169	0.050479	mg/L
Ge	72	330931.777	330931.777		mg/L
As	75	95722.982	0.287	0.049688	mg/L
Se	77	7192.682	0.021	0.049656	mg/L
Se	82	9913.277	0.030	0.050631	mg/L
Rh	103	397753.422	397753.422		mg/L
Ag	107	520002.402	1.307	0.049096	mg/L
Cd	111	123224.051	0.310	0.050011	mg/L
Cd	114	280156.046	0.704	0.049308	mg/L
Tl	203	421725.795	1.158	0.049662	mg/L
Tl	205	1008660.447	2.765	0.049713	mg/L
Pb	208	1349201.482	3.705	0.049870	mg/L
Bi	209	363998.812	363998.812		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	488037.658	488037.658		mg/L
Be	9	15083.068	0.031	0.050477	mg/L
V	51	558208.747	1.660	0.050382	mg/L
Cr	52	483433.767	1.414	0.049983	mg/L
Cr	53	57048.456	0.169	0.050266	mg/L
Co	59	581629.669	1.740	0.050188	mg/L
Cu	63	276477.925	0.827	0.049129	mg/L
Cu	65	136569.577	0.408	0.050194	mg/L
Zn	66	76800.438	0.229	0.050256	mg/L
Zn	68	56184.984	0.167	0.049884	mg/L
Ge	72	334166.297	334166.297		mg/L
As	75	96819.398	0.293	0.050715	mg/L
Se	77	7353.867	0.022	0.050280	mg/L
Se	82	10043.525	0.030	0.050799	mg/L
Rh	103	397854.114	397854.114		mg/L
Ag	107	521620.228	1.312	0.049263	mg/L
Cd	111	119809.013	0.301	0.048837	mg/L
Cd	114	278777.160	0.701	0.049074	mg/L
Tl	203	410267.415	1.148	0.049229	mg/L
Tl	205	1000582.675	2.800	0.050358	mg/L
Pb	208	1342815.354	3.757	0.050378	mg/L
Bi	209	357226.308	357226.308		mg/L

Sample Information

Sample ID: 0B03065-CAL8
Autosampler Position: 8
Sample Date/Time: Wednesday, February 03, 2010 18:47:06
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-CAL8.008
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	500895.686	500895.686				mg/L
	Be	9	29901.759	0.060	0.099466	0.002	1.986	mg/L
	V	51	1097491.511	3.345	0.100354	0.001	0.713	mg/L
	Cr	52	949272.754	2.870	0.100339	0.001	0.795	mg/L
	Cr	53	111620.393	0.340	0.100224	0.002	1.885	mg/L
	Co	59	1154137.814	3.529	0.100402	0.001	1.419	mg/L
	Cu	63	558317.686	1.707	0.100321	0.002	1.581	mg/L
	Cu	65	273988.959	0.838	0.100647	0.001	1.384	mg/L
	Zn	66	155989.770	0.476	0.101003	0.003	2.574	mg/L
	Zn	68	112032.878	0.341	0.100472	0.001	0.822	mg/L
>	Ge	72	327036.890	327036.890				mg/L
	As	75	192160.634	0.585	0.100268	0.002	2.222	mg/L
	Se	77	14801.473	0.045	0.100980	0.002	2.359	mg/L
	Se	82	20120.025	0.062	0.100855	0.002	2.285	mg/L
>	Rh	103	393134.640	393134.640				mg/L
	Ag	107	1062314.754	2.702	0.100338	0.002	2.023	mg/L
	Cd	111	241373.832	0.614	0.099794	0.003	2.532	mg/L
	Cd	114	574561.464	1.461	0.100524	0.001	0.775	mg/L
	Tl	203	851820.363	2.378	0.100439	0.001	1.356	mg/L
	Tl	205	1958678.308	5.467	0.099604	0.003	3.331	mg/L
	Pb	208	2727190.325	7.611	0.100463	0.001	0.610	mg/L
>	Bi	209	358253.001	358253.001				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	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	

: 09620

	Cd	110.904
	Cd	113.904
	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	504781.446	504781.446		mg/L
Be	9	29808.388	0.059	0.098377	mg/L
V	51	1105929.488	3.331	0.099848	mg/L
Cr	52	981701.488	2.873	0.100471	mg/L
Cr	53	113431.543	0.341	0.100867	mg/L
Co	59	1168348.708	3.534	0.100840	mg/L
Cu	63	563986.156	1.704	0.100166	mg/L
Cu	65	273161.609	0.829	0.098188	mg/L
Zn	66	153266.403	0.462	0.098086	mg/L
Zn	68	112288.798	0.338	0.099518	mg/L
Ge	72	330884.667	330884.667		mg/L
As	75	190368.679	0.573	0.098156	mg/L
Se	77	14777.418	0.044	0.099828	mg/L
Se	82	19920.731	0.060	0.098586	mg/L
Rh	103	392457.129	392457.129		mg/L
Ag	107	1035764.543	2.638	0.098001	mg/L
Cd	111	246770.676	0.626	0.101788	mg/L
Cd	114	577778.828	1.472	0.101280	mg/L
Tl	203	840848.480	2.340	0.098882	mg/L
Tl	205	1690112.756	5.280	0.095830	mg/L
Pb	208	2721566.048	7.573	0.098884	mg/L
Bi	209	356298.478	359298.478		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	503641.329	503641.329		mg/L
Be	9	29703.831	0.059	0.098274	mg/L
V	51	1098808.298	3.373	0.101181	mg/L
Cr	52	947461.358	2.890	0.101081	mg/L
Cr	53	112418.827	0.348	0.101858	mg/L
Co	59	1158188.625	3.578	0.101783	mg/L
Cu	63	562481.133	1.735	0.101983	mg/L
Cu	65	272088.316	0.839	0.100838	mg/L
Zn	66	156042.577	0.481	0.101937	mg/L
Zn	68	111568.487	0.343	0.100947	mg/L
Ge	72	324102.000	324102.000		mg/L
As	75	190061.227	0.584	0.100056	mg/L
Se	77	14467.782	0.044	0.099581	mg/L
Se	82	19880.772	0.061	0.100599	mg/L
Rh	103	394530.836	394530.836		mg/L
Ag	107	1060132.239	2.738	0.101662	mg/L
Cd	111	244282.522	0.619	0.100841	mg/L
Cd	114	571929.597	1.450	0.099708	mg/L
Tl	203	853732.080	2.398	0.101232	mg/L
Tl	205	1966922.288	5.602	0.102086	mg/L
Pb	208	2705839.648	7.597	0.100277	mg/L
Bi	209	356237.716	356237.716		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	494384.282	494384.282		mg/L
Be	9	30162.980	0.061	0.101746	mg/L
V	51	1089838.787	3.331	0.099838	mg/L
Cr	52	938656.417	2.845	0.099484	mg/L
Cr	53	109023.814	0.333	0.098155	mg/L
Co	59	1133878.113	3.477	0.098815	mg/L
Cu	63	548466.787	1.681	0.099822	mg/L
Cu	65	276736.663	0.848	0.101934	mg/L
Zn	66	158680.331	0.486	0.103006	mg/L
Zn	68	112256.340	0.343	0.100860	mg/L
Ge	72	326124.003	326124.003		mg/L
As	75	196072.006	0.599	0.102585	mg/L
Se	77	15158.221	0.046	0.103730	mg/L
Se	82	20548.571	0.063	0.103277	mg/L
Rh	103	392415.957	392415.957		mg/L
Ag	107	1071047.482	2.729	0.101351	mg/L
Cd	111	234088.297	0.598	0.096952	mg/L
Cd	114	573975.986	1.463	0.100804	mg/L
Tl	203	860780.579	2.398	0.101219	mg/L
Tl	205	1969868.877	5.539	0.100818	mg/L
Pb	208	2753178.378	7.662	0.101147	mg/L
Bi	209	359222.810	359222.810		mg/L

Sample ID: 0B03065-CAL8
Report Date/Time: Wednesday, February 03, 2010 18:48:48

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	0.60	0.00	0.999952
V	50.944	Linear Thru Zero	33.33	0.00	0.999976
Cr	51.941	Linear Thru Zero	28.60	0.00	0.999974
Cr	52.941	Linear Thru Zero	3.39	0.00	0.999989
Co	58.933	Linear Thru Zero	35.15	0.00	0.999972
Cu	62.930	Linear Thru Zero	17.01	0.00	0.999968
Cu	64.928	Linear Thru Zero	8.32	0.00	0.999918
Zn	65.926	Linear Thru Zero	4.72	0.00	0.999828
Zn	67.925	Linear Thru Zero	3.40	0.00	0.999958
Ge	71.922	Linear Thru Zero	0.00	0.00	0.000000
As	74.922	Linear Thru Zero	5.84	0.00	0.999983
Se	76.920	Linear Thru Zero	0.44	0.00	0.999824
Se	81.917	Linear Thru Zero	0.61	0.00	0.999874
Rh	102.905	Linear Thru Zero	0.00	0.00	0.000000
Ag	106.905	Linear Thru Zero	26.93	0.00	0.999961
Cd	110.904	Linear Thru Zero	6.15	0.00	0.999993
Cd	113.904	Linear Thru Zero	14.54	0.00	0.999952
Tl	202.972	Linear Thru Zero	23.67	0.00	0.999956
Tl	204.975	Linear Thru Zero	54.89	0.00	0.999960
Pb	207.977	Linear Thru Zero	75.76	0.00	0.999955
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
Pb	207.977	+1*Pb 206 +1*Pb 207

: 00622

Sample Information

Sample ID: 0B03065-SCV
Autosampler Position: 2
Sample Date/Time: Wednesday, February 03, 2010 18:50:29
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-SCV.009
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	491379.268	491379.268				mg/L
	Be	9	11874.316	0.024	0.040260	0.001	3.055	mg/L
	V	51	431482.572	1.288	0.038647	0.001	1.339	mg/L
	Cr	52	382299.028	1.118	0.039092	0.001	1.309	mg/L
	Cr	53	44700.243	0.133	0.039230	0.001	1.532	mg/L
	Co	59	472012.563	1.421	0.040423	0.000	0.673	mg/L
	Cu	63	228606.995	0.688	0.040422	0.000	0.436	mg/L
	Cu	65	108943.665	0.328	0.039379	0.001	1.769	mg/L
	Zn	66	61461.638	0.184	0.039080	0.001	1.714	mg/L
	Zn	68	45054.431	0.134	0.039547	0.000	1.253	mg/L
>	Ge	72	332147.245	332147.245				mg/L
	As	75	79465.987	0.237	0.040587	0.000	0.877	mg/L
	Se	77	5934.191	0.017	0.039335	0.001	2.718	mg/L
	Se	82	7882.828	0.024	0.039008	0.001	1.375	mg/L
>	Rh	103	389248.120	389248.120				mg/L
	Ag	107	428544.356	1.101	0.040875	0.001	1.938	mg/L
	Cd	111	98398.555	0.253	0.041095	0.001	2.023	mg/L
	Cd	114	225037.054	0.578	0.039765	0.000	0.758	mg/L
	Tl	203	337343.683	0.933	0.039416	0.001	1.844	mg/L
	Tl	205	798421.730	2.208	0.040235	0.001	1.752	mg/L
	Pb	208	1078212.860	2.981	0.039352	0.000	0.492	mg/L
>	Bi	209	361465.119	361465.119				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	98.723
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.806
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	95.441
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.140

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	484907.830	484907.830		mg/L
Be	9	12064.300	0.025	0.041441	mg/L
V	51	427278.618	1.278	0.038284	mg/L
Cr	52	380080.912	1.112	0.038873	mg/L
Cr	53	45418.380	0.136	0.038888	mg/L
Co	59	468458.324	1.411	0.040138	mg/L
Cu	63	227640.787	0.686	0.040270	mg/L
Cu	65	106338.467	0.326	0.038178	mg/L
Zn	66	60221.397	0.181	0.038308	mg/L
Zn	68	45192.988	0.135	0.039688	mg/L
Ge	72	331980.247	331980.247		mg/L
As	75	78951.667	0.238	0.040343	mg/L
Se	77	5822.430	0.017	0.038592	mg/L
Se	82	7788.625	0.024	0.038560	mg/L
Rh	103	383611.397	383611.397		mg/L
Ag	107	420378.756	1.098	0.040880	mg/L
Cd	111	99249.381	0.256	0.042062	mg/L
Cd	114	223710.322	0.583	0.040108	mg/L
Tl	203	330482.680	0.813	0.038680	mg/L
Tl	205	785012.627	2.170	0.039532	mg/L
Pb	208	1072879.252	2.964	0.039131	mg/L
Bi	209	361885.025	361885.025		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	498428.197	498428.197		mg/L
Be	9	11619.559	0.023	0.039988	mg/L
V	51	432327.251	1.281	0.038418	mg/L
Cr	52	381814.856	1.108	0.038727	mg/L
Cr	53	44869.131	0.133	0.039008	mg/L
Co	59	478723.828	1.430	0.040880	mg/L
Cu	63	230168.904	0.687	0.040362	mg/L
Cu	65	108214.640	0.323	0.038808	mg/L
Zn	66	62679.562	0.186	0.039483	mg/L
Zn	68	44784.403	0.132	0.038897	mg/L
Ge	72	334747.596	334747.596		mg/L
As	75	80882.921	0.239	0.040986	mg/L
Se	77	5808.503	0.017	0.038553	mg/L
Se	82	7814.656	0.024	0.038881	mg/L
Rh	103	394728.311	394728.311		mg/L
Ag	107	443764.278	1.124	0.041743	mg/L
Cd	111	98476.088	0.249	0.040548	mg/L
Cd	114	227486.471	0.578	0.039837	mg/L
Tl	203	344380.253	0.848	0.039868	mg/L
Tl	205	803986.312	2.208	0.040231	mg/L
Pb	208	1087884.831	2.987	0.039427	mg/L
Bi	209	364008.225	364008.225		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	492803.776	492803.776		mg/L
Be	9	11938.089	0.024	0.040353	mg/L
V	51	434843.847	1.308	0.038240	mg/L
Cr	52	385021.315	1.135	0.038677	mg/L
Cr	53	43785.227	0.131	0.038708	mg/L
Co	59	484858.536	1.422	0.040451	mg/L
Cu	63	228011.313	0.681	0.040815	mg/L
Cu	65	110279.889	0.334	0.040156	mg/L
Zn	66	61583.954	0.186	0.039450	mg/L
Zn	68	45185.924	0.136	0.039958	mg/L
Ge	72	329703.883	329703.883		mg/L
As	75	78563.354	0.236	0.040424	mg/L
Se	77	6070.639	0.018	0.040560	mg/L
Se	82	7945.006	0.024	0.039602	mg/L
Rh	103	389404.663	389404.663		mg/L
Ag	107	421500.036	1.082	0.040182	mg/L
Cd	111	97470.207	0.250	0.040884	mg/L
Cd	114	220914.308	0.575	0.039648	mg/L
Tl	203	337158.115	0.940	0.039898	mg/L
Tl	205	806257.252	2.247	0.040943	mg/L
Pb	208	1073870.396	2.992	0.039498	mg/L
Bi	209	358892.108	358892.108		mg/L

Sample Information

Sample ID: 0B03065-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, February 03, 2010 18:53:51
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-CCB.010
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	491919.983	491919.983				mg/L
	Be	9	7.000	0.000	0.000011	0.000	51.742	mg/L
	V	51	3689.877	0.000	0.000007	0.000	178.088	mg/L
	Cr	52	11255.975	0.001	0.000033	0.000	58.570	mg/L
	Cr	53	545.693	0.000	0.000012	0.000	103.561	mg/L
	Co	59	129.002	0.000	0.000002	0.000	60.559	mg/L
	Cu	63	234.673	0.000	0.000005	0.000	51.735	mg/L
	Cu	65	117.335	0.000	0.000002	0.000	198.027	mg/L
	Zn	66	247.673	-0.000	-0.000001	0.000	1044.735	mg/L
	Zn	68	454.686	0.000	0.000013	0.000	77.406	mg/L
>	Ge	72	331017.272	331017.272				mg/L
	As	75	640.751	-0.000	-0.000063	0.000	82.700	mg/L
	Se	77	136.669	0.000	0.000054	0.000	13.129	mg/L
	Se	82	-12.421	0.000	0.000106	0.000	229.867	mg/L
>	Rh	103	394275.972	394275.972				mg/L
	Ag	107	374.681	0.001	0.000032	0.000	23.329	mg/L
	Cd	111	19.118	0.000	0.000006	0.000	36.327	mg/L
	Cd	114	25.413	0.000	0.000002	0.000	10.628	mg/L
	Tl	203	134.003	0.000	0.000006	0.000	16.336	mg/L
	Tl	205	325.011	0.000	0.000007	0.000	12.865	mg/L
	Pb	208	754.023	0.000	0.000004	0.000	47.653	mg/L
>	Bi	209	358838.776	358838.776				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	98.831
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.474
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	96.674
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.420

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	501444.213	501444.213		mg/L
Be	9	6.000	0.000	0.000008	mg/L
V	51	3707.882	0.000	0.000010	mg/L
Cr	52	11150.808	0.001	0.000027	mg/L
Cr	53	556.027	0.000	0.000026	mg/L
Co	59	143.003	0.000	0.000003	mg/L
Cu	63	251.007	0.000	0.000008	mg/L
Cu	65	128.002	0.000	0.000008	mg/L
Zn	66	247.007	0.000	-0.000000	mg/L
Zn	68	445.018	0.000	0.000008	mg/L
Ge	72	329803.410	329803.410		mg/L
As	75	898.384	-0.000	-0.000031	mg/L
Se	77	135.003	0.000	0.000047	mg/L
Se	82	-31.613	0.000	0.000012	mg/L
Rh	103	399320.336	399320.336		mg/L
Ag	107	458.019	0.001	0.000040	mg/L
Cd	111	13.878	0.000	0.000003	mg/L
Cd	114	24.998	0.000	0.000001	mg/L
Tl	203	138.003	0.000	0.000007	mg/L
Tl	205	336.011	0.000	0.000008	mg/L
Pb	208	816.028	0.000	0.000008	mg/L
Bi	209	359815.581	359815.581		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	490902.287	490902.287		mg/L
Be	9	9.000	0.000	0.000018	mg/L
V	51	3678.760	-0.000	-0.000007	mg/L
Cr	52	11213.908	0.001	0.000018	mg/L
Cr	53	544.028	0.000	0.000008	mg/L
Co	59	125.002	0.000	0.000001	mg/L
Cu	63	225.008	0.000	0.000003	mg/L
Cu	65	114.002	0.000	0.000000	mg/L
Zn	66	241.008	-0.000	0.000008	mg/L
Zn	68	454.019	0.000	0.000008	mg/L
Ge	72	334201.907	334201.907		mg/L
As	75	702.037	-0.000	-0.000026	mg/L
Se	77	139.003	0.000	0.000061	mg/L
Se	82	43.982	0.000	0.000384	mg/L
Rh	103	393695.581	393695.581		mg/L
Ag	107	374.014	0.001	0.000032	mg/L
Cd	111	23.247	0.000	0.000007	mg/L
Cd	114	26.386	0.000	0.000002	mg/L
Tl	203	141.003	0.000	0.000007	mg/L
Tl	205	301.009	0.000	0.000008	mg/L
Pb	208	725.021	0.000	0.000003	mg/L
Bi	209	356178.887	356178.887		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	483413.449	483413.449		mg/L
Be	9	6.000	0.000	0.000008	mg/L
V	51	3784.987	0.001	0.000017	mg/L
Cr	52	11403.208	0.002	0.000066	mg/L
Cr	53	534.025	0.000	0.000004	mg/L
Co	59	119.002	0.000	0.000001	mg/L
Cu	63	226.008	0.000	0.000004	mg/L
Cu	65	110.002	-0.000	-0.000001	mg/L
Zn	66	256.007	0.000	0.000005	mg/L
Zn	68	465.020	0.000	0.000024	mg/L
Ge	72	329246.498	329246.498		mg/L
As	75	520.833	-0.001	-0.000124	mg/L
Se	77	136.003	0.000	0.000056	mg/L
Se	82	49.613	-0.000	0.000077	mg/L
Rh	103	389811.998	389811.998		mg/L
Ag	107	291.009	0.001	0.000025	mg/L
Cd	111	20.427	0.000	0.000006	mg/L
Cd	114	25.008	0.000	0.000002	mg/L
Tl	203	125.002	0.000	0.000008	mg/L
Tl	205	339.011	0.000	0.000008	mg/L
Pb	208	722.021	0.000	0.000003	mg/L
Bi	209	360521.880	360521.880		mg/L

: 00626

Sample Information

Sample ID: 0B03065-CRL1
Autosampler Position: 3
Sample Date/Time: Wednesday, February 03, 2010 18:57:13
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-CRL1.011
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	491663.776	491663.776				mg/L
	Be	9	59.334	0.000	0.000189	0.000	5.830	mg/L
	V	51	5937.164	0.007	0.000201	0.000	4.297	mg/L
	Cr	52	13442.106	0.007	0.000240	0.000	9.996	mg/L
	Cr	53	764.382	0.001	0.000195	0.000	9.388	mg/L
	Co	59	2369.750	0.007	0.000191	0.000	2.019	mg/L
	Cu	63	1360.477	0.003	0.000201	0.000	5.391	mg/L
	Cu	65	674.372	0.002	0.000200	0.000	3.629	mg/L
	Zn	66	497.356	0.001	0.000154	0.000	10.785	mg/L
	Zn	68	642.369	0.001	0.000170	0.000	12.797	mg/L
>	Ge	72	336857.170	336857.170				mg/L
	As	75	1021.125	0.001	0.000125	0.000	36.309	mg/L
	Se	77	154.670	0.000	0.000159	0.000	68.111	mg/L
	Se	82	64.423	0.000	0.000483	0.000	54.084	mg/L
>	Rh	103	404068.456	404068.456				mg/L
	Ag	107	2403.428	0.006	0.000218	0.000	0.495	mg/L
	Cd	111	483.796	0.001	0.000192	0.000	8.069	mg/L
	Cd	114	1157.208	0.003	0.000194	0.000	1.762	mg/L
	Tl	203	1768.570	0.005	0.000196	0.000	2.275	mg/L
	Tl	205	4170.926	0.011	0.000200	0.000	1.066	mg/L
	Pb	208	6131.749	0.015	0.000199	0.000	2.328	mg/L
>	Bi	209	364148.516	364148.516				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	98.780
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.193
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.075
	Ag	106.905	

: 00627

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.876

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	491530.358	491530.358		mg/L
Be	9	58.001	0.000	0.000178	mg/L
V	51	5886.881	0.008	0.000192	mg/L
Cr	52	13384.881	0.007	0.000228	mg/L
Cr	53	785.049	0.001	0.000182	mg/L
Co	59	2343.408	0.007	0.000188	mg/L
Cu	63	1356.143	0.003	0.000200	mg/L
Cu	65	671.038	0.002	0.000197	mg/L
Zn	66	480.021	0.001	0.000142	mg/L
Zn	68	649.038	0.001	0.000173	mg/L
Ge	72	338413.451	338413.451		mg/L
As	75	980.923	0.001	0.000082	mg/L
Se	77	159.003	0.000	0.000183	mg/L
Se	82	4.523	0.000	0.000181	mg/L
Rh	103	407231.858	407231.858		mg/L
Ag	107	2414.432	0.008	0.000217	mg/L
Cd	111	468.072	0.001	0.000185	mg/L
Cd	114	1189.256	0.003	0.000198	mg/L
Tl	203	1817.249	0.006	0.000201	mg/L
Tl	205	4142.242	0.011	0.000187	mg/L
Pb	208	8078.071	0.015	0.000186	mg/L
Bi	209	365480.658	365480.658		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	495774.158	495774.158		mg/L
Be	9	60.001	0.000	0.000189	mg/L
V	51	5937.851	0.007	0.000201	mg/L
Cr	52	13285.477	0.008	0.000224	mg/L
Cr	53	745.046	0.001	0.000178	mg/L
Co	59	2420.434	0.007	0.000195	mg/L
Cu	63	1426.157	0.004	0.000212	mg/L
Cu	65	656.037	0.002	0.000194	mg/L
Zn	66	487.021	0.001	0.000147	mg/L
Zn	68	666.038	0.001	0.000180	mg/L
Ge	72	338819.693	338819.693		mg/L
As	75	984.704	0.001	0.000106	mg/L
Se	77	137.003	0.000	0.000041	mg/L
Se	82	108.102	0.000	0.000584	mg/L
Rh	103	398789.893	398789.893		mg/L
Ag	107	2385.422	0.008	0.000219	mg/L
Cd	111	452.462	0.001	0.000182	mg/L
Cd	114	1127.637	0.003	0.000192	mg/L
Tl	203	1735.228	0.006	0.000192	mg/L
Tl	205	4211.283	0.011	0.000202	mg/L
Pb	208	8081.068	0.015	0.000196	mg/L
Bi	209	364055.548	364055.548		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	487686.814	487686.814		mg/L
Be	9	62.001	0.000	0.000200	mg/L
V	51	6006.779	0.007	0.000210	mg/L
Cr	52	13646.159	0.008	0.000267	mg/L
Cr	53	783.061	0.001	0.000214	mg/L
Co	59	2345.408	0.007	0.000190	mg/L
Cu	63	1297.131	0.003	0.000191	mg/L
Cu	65	594.041	0.002	0.000208	mg/L
Zn	66	525.025	0.001	0.000173	mg/L
Zn	68	613.032	0.000	0.000147	mg/L
Ge	72	335338.388	335338.388		mg/L
As	75	1117.747	0.001	0.000176	mg/L
Se	77	168.004	0.000	0.000253	mg/L
Se	82	80.648	0.000	0.000583	mg/L
Rh	103	406183.617	406183.617		mg/L
Ag	107	2410.431	0.008	0.000217	mg/L
Cd	111	530.864	0.001	0.000210	mg/L
Cd	114	1154.730	0.003	0.000193	mg/L
Tl	203	1753.233	0.006	0.000195	mg/L
Tl	205	4159.252	0.011	0.000200	mg/L
Pb	208	8258.120	0.015	0.000204	mg/L
Bi	209	362929.342	362929.342		mg/L

: 09628

Sample Information

Sample ID: 0B03065-CRL2
Autosampler Position: 4
Sample Date/Time: Wednesday, February 03, 2010 19:00:37
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-CRL2.012
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	491794.385	491794.385				mg/L
⌊	Be	9	303.343	0.001	0.001016	0.000	5.136	mg/L
⌈	V	51	14663.446	0.033	0.000977	0.000	4.080	mg/L
|	Cr	52	21103.343	0.030	0.001033	0.000	6.335	mg/L
|	Cr	53	1723.892	0.004	0.001034	0.000	4.863	mg/L
|	Co	59	11967.804	0.035	0.001001	0.000	2.050	mg/L
|	Cu	63	6123.352	0.018	0.001031	0.000	1.879	mg/L
|	Cu	65	3014.333	0.009	0.001034	0.000	3.231	mg/L
|	Zn	66	1749.565	0.004	0.000941	0.000	0.774	mg/L
|	Zn	68	1538.181	0.003	0.000951	0.000	3.575	mg/L
|>	Ge	72	337294.405	337294.405				mg/L
|	As	75	2602.301	0.005	0.000927	0.000	1.360	mg/L
|	Se	77	288.009	0.000	0.001048	0.000	23.022	mg/L
⌊	Se	82	170.526	0.001	0.000999	0.000	17.094	mg/L
⌈>	Rh	103	406435.614	406435.614				mg/L
|	Ag	107	10918.448	0.027	0.000995	0.000	2.551	mg/L
|	Cd	111	2480.428	0.006	0.000990	0.000	2.021	mg/L
⌊	Cd	114	5856.295	0.014	0.000988	0.000	3.144	mg/L
⌈	Tl	203	8745.441	0.024	0.001013	0.000	2.209	mg/L
|	Tl	205	20714.203	0.057	0.001035	0.000	0.697	mg/L
|	Pb	208	28172.727	0.076	0.001005	0.000	0.464	mg/L
⌊>	Bi	209	361404.059	361404.059				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	98.806
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.322
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.656
|	Ag	106.905	

00629

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.123

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	488173.430	488173.430		mg/L
Be	9	298.008	0.001	0.000986	mg/L
V	51	14662.078	0.034	0.001008	mg/L
Cr	52	21349.075	0.032	0.001108	mg/L
Cr	53	1745.231	0.004	0.001087	mg/L
Co	59	11888.003	0.036	0.001016	mg/L
Cu	63	5902.573	0.018	0.001032	mg/L
Cu	65	3050.882	0.008	0.001071	mg/L
Zn	66	1717.224	0.004	0.000946	mg/L
Zn	68	1484.188	0.003	0.000933	mg/L
Ge	72	329816.937	329816.937		mg/L
As	75	2564.851	0.006	0.000937	mg/L
Se	77	270.008	0.000	0.000988	mg/L
Se	82	180.647	0.001	0.001085	mg/L
Rh	103	405626.238	405626.238		mg/L
Ag	107	10830.313	0.027	0.000988	mg/L
Cd	111	2444.930	0.006	0.000976	mg/L
Cd	114	5973.852	0.015	0.001010	mg/L
Tl	203	8808.513	0.024	0.001020	mg/L
Tl	205	20684.853	0.056	0.001029	mg/L
Pb	208	28049.840	0.076	0.001000	mg/L
Bi	209	361535.230	361535.230		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	501563.146	501563.146		mg/L
Be	9	298.008	0.001	0.000978	mg/L
V	51	14818.871	0.033	0.000984	mg/L
Cr	52	20782.428	0.029	0.001006	mg/L
Cr	53	1668.211	0.003	0.000988	mg/L
Co	59	12030.243	0.035	0.001008	mg/L
Cu	63	6217.787	0.018	0.001060	mg/L
Cu	65	2981.652	0.008	0.001024	mg/L
Zn	66	1752.232	0.004	0.000945	mg/L
Zn	68	1579.180	0.003	0.000980	mg/L
Ge	72	336442.523	336442.523		mg/L
As	75	2603.463	0.006	0.000931	mg/L
Se	77	328.011	0.001	0.001319	mg/L
Se	82	198.703	0.001	0.001126	mg/L
Rh	103	399633.125	399633.125		mg/L
Ag	107	11039.635	0.028	0.001023	mg/L
Cd	111	2498.115	0.006	0.001013	mg/L
Cd	114	5841.603	0.015	0.001003	mg/L
Tl	203	8986.738	0.024	0.001031	mg/L
Tl	205	21072.247	0.057	0.001043	mg/L
Pb	208	28459.508	0.076	0.001008	mg/L
Bi	209	364924.244	364924.244		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	486646.581	485646.581		mg/L
Be	9	317.010	0.001	0.001075	mg/L
V	51	14508.391	0.031	0.000932	mg/L
Cr	52	21166.532	0.028	0.000966	mg/L
Cr	53	1760.234	0.003	0.001028	mg/L
Co	59	11986.166	0.034	0.000977	mg/L
Cu	63	6159.716	0.017	0.001011	mg/L
Cu	65	3010.864	0.008	0.001006	mg/L
Zn	66	1779.238	0.004	0.000932	mg/L
Zn	68	1551.184	0.003	0.000930	mg/L
Ge	72	345623.753	345623.753		mg/L
As	75	2638.589	0.006	0.000913	mg/L
Se	77	266.008	0.000	0.000867	mg/L
Se	82	134.229	0.000	0.000806	mg/L
Rh	103	414047.478	414047.478		mg/L
Ag	107	10886.397	0.026	0.000873	mg/L
Cd	111	2500.240	0.006	0.000879	mg/L
Cd	114	5753.432	0.014	0.000863	mg/L
Tl	203	8444.073	0.023	0.000986	mg/L
Tl	205	20475.510	0.057	0.001034	mg/L
Pb	208	28008.737	0.076	0.001010	mg/L
Bi	209	357752.701	357752.701		mg/L

Sample Information

Sample ID: 0B03065-IFA1
Autosampler Position: 10
Sample Date/Time: Wednesday, February 03, 2010 19:04:01
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-IFA1.013
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	523726.147	523726.147				mg/L
	Be	9	3.667	-0.000	-0.000001	0.000	603.707	mg/L
	V	51	3364.838	-0.001	-0.000025	0.000	102.295	mg/L
	Cr	52	12698.740	0.005	0.000175	0.000	15.702	mg/L
	Cr	53	1819.917	0.004	0.001136	0.000	11.358	mg/L
	Co	59	214.005	0.000	0.000009	0.000	4.485	mg/L
	Cu	63	1760.235	0.005	0.000274	0.000	3.022	mg/L
	Cu	65	785.051	0.002	0.000242	0.000	7.618	mg/L
	Zn	66	2713.542	0.007	0.001566	0.000	0.879	mg/L
	Zn	68	1752.233	0.004	0.001155	0.000	3.412	mg/L
>	Ge	72	333643.594	333643.594				mg/L
	As	75	696.424	-0.000	-0.000038	0.000	176.981	mg/L
	Se	77	290.009	0.000	0.001081	0.000	1.767	mg/L
	Se	82	-4.036	0.000	0.000149	0.000	60.099	mg/L
>	Rh	103	381286.026	381286.026				mg/L
	Ag	107	322.011	0.001	0.000028	0.000	26.825	mg/L
	Cd	111	30.495	0.000	0.000011	0.000	268.136	mg/L
	Cd	114	1854.261	0.005	0.000332	0.000	3.874	mg/L
	Tl	203	149.670	0.000	0.000008	0.000	44.507	mg/L
	Tl	205	395.348	0.001	0.000011	0.000	36.888	mg/L
	Pb	208	1047.707	0.001	0.000015	0.000	8.654	mg/L
>	Bi	209	358094.248	358094.248				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	105.222
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.247
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	93.489
	Ag	106.905	

: 00631

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	98.215

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	525921.108	525921.108		mg/L
Be	9	3.000	-0.000	0.000003	mg/L
V	51	3724.022	0.000	0.000002	mg/L
Cr	52	12624.272	0.004	0.000147	mg/L
Cr	53	1679.214	0.003	0.000888	mg/L
Co	59	222.008	0.000	0.000009	mg/L
Cu	63	1841.256	0.005	0.000283	mg/L
Cu	65	818.058	0.002	0.000249	mg/L
Zn	66	2730.549	0.007	0.001550	mg/L
Zn	68	1795.244	0.004	0.001188	mg/L
Ge	72	336808.442	336808.442		mg/L
As	75	858.798	0.000	0.000039	mg/L
Se	77	294.008	0.000	0.001078	mg/L
Se	82	3.209	0.000	0.000186	mg/L
Rh	103	377938.884	377938.884		mg/L
Ag	107	406.018	0.001	0.000037	mg/L
Cd	111	81.203	0.000	0.000033	mg/L
Cd	114	1864.088	0.005	0.000342	mg/L
Tl	203	182.004	0.000	0.000012	mg/L
Tl	205	478.021	0.001	0.000016	mg/L
Pb	208	1070.042	0.001	0.000016	mg/L
Bi	209	352126.081	352126.081		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	523888.112	523888.112		mg/L
Be	9	5.000	0.000	0.000004	mg/L
V	51	3062.787	0.002	0.000046	mg/L
Cr	52	12580.184	0.006	0.000177	mg/L
Cr	53	1870.264	0.004	0.001187	mg/L
Co	59	207.008	0.000	0.000009	mg/L
Cu	63	1723.226	0.005	0.000270	mg/L
Cu	65	814.086	0.002	0.000256	mg/L
Zn	66	2700.537	0.007	0.001576	mg/L
Zn	68	1766.237	0.004	0.001188	mg/L
Ge	72	330166.649	330166.649		mg/L
As	75	609.281	-0.000	-0.000079	mg/L
Se	77	290.008	0.000	0.001102	mg/L
Se	82	9.406	0.000	0.000218	mg/L
Rh	103	390777.688	390777.688		mg/L
Ag	107	307.010	0.001	0.000028	mg/L
Cd	111	55.180	0.000	0.000021	mg/L
Cd	114	1819.084	0.005	0.000317	mg/L
Tl	203	141.003	0.000	0.000007	mg/L
Tl	205	378.014	0.001	0.000010	mg/L
Pb	208	1033.038	0.001	0.000014	mg/L
Bi	209	358794.042	358794.042		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	521591.220	521591.220		mg/L
Be	9	3.000	-0.000	-0.000003	mg/L
V	51	3307.706	-0.001	-0.000029	mg/L
Cr	52	12891.752	0.008	0.000202	mg/L
Cr	53	1910.275	0.004	0.001223	mg/L
Co	59	213.008	0.000	0.000009	mg/L
Cu	63	1716.223	0.005	0.000267	mg/L
Cu	65	723.044	0.002	0.000221	mg/L
Zn	66	2709.541	0.007	0.001572	mg/L
Zn	68	1693.218	0.004	0.001110	mg/L
Ge	72	331957.788	331957.788		mg/L
As	75	621.188	-0.000	-0.000074	mg/L
Se	77	286.008	0.000	0.001084	mg/L
Se	82	-24.722	0.000	-0.000047	mg/L
Rh	103	375140.728	375140.728		mg/L
Ag	107	254.007	0.001	0.000022	mg/L
Cd	111	-44.897	-0.000	-0.000022	mg/L
Cd	114	1849.620	0.005	0.000338	mg/L
Tl	203	126.002	0.000	0.000008	mg/L
Tl	205	331.011	0.000	0.000008	mg/L
Pb	208	1040.040	0.001	0.000014	mg/L
Bi	209	353383.610	353383.610		mg/L

00632

Sample Information

Sample ID: 0B03065-IFB1
Autosampler Position: 11
Sample Date/Time: Wednesday, February 03, 2010 19:08:25
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-IFB1.014
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	524014.674	524014.674				mg/L
	Be	9	6078.980	0.012	0.019317	0.000	1.290	mg/L
	V	51	212511.727	0.622	0.018673	0.000	1.813	mg/L
	Cr	52	187570.362	0.526	0.018389	0.000	1.629	mg/L
	Cr	53	22591.567	0.066	0.019392	0.001	2.806	mg/L
	Co	59	221182.703	0.659	0.018746	0.000	1.754	mg/L
	Cu	63	107367.702	0.319	0.018772	0.000	1.318	mg/L
	Cu	65	51892.339	0.154	0.018543	0.000	0.818	mg/L
	Zn	66	31820.051	0.094	0.019952	0.001	2.770	mg/L
	Zn	68	23198.178	0.068	0.019965	0.001	2.600	mg/L
>	Ge	72	335589.735	335589.735				mg/L
	As	75	39755.661	0.116	0.019901	0.000	1.495	mg/L
	Se	77	3160.398	0.009	0.020323	0.001	3.320	mg/L
	Se	82	3976.707	0.012	0.019562	0.001	2.991	mg/L
>	Rh	103	379368.138	379368.138				mg/L
	Ag	107	201852.538	0.532	0.019757	0.000	1.658	mg/L
	Cd	111	46412.167	0.122	0.019884	0.000	0.694	mg/L
	Cd	114	110594.409	0.291	0.020049	0.000	0.963	mg/L
	Tl	203	165059.416	0.464	0.019601	0.000	1.654	mg/L
	Tl	205	394652.356	1.109	0.020211	0.000	0.909	mg/L
	Pb	208	525070.675	1.475	0.019468	0.000	0.759	mg/L
>	Bi	209	355604.853	355604.853				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	105.280
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.820
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	93.019
	Ag	106.905	

: 00633

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	97.533

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	518430.984	518430.984		mg/L
Be	9	6068.627	0.012	0.019415	mg/L
V	51	214585.397	0.628	0.018864	mg/L
Cr	52	190366.248	0.534	0.018677	mg/L
Cr	53	22800.560	0.066	0.019568	mg/L
Co	59	223899.088	0.656	0.018956	mg/L
Cu	63	108399.211	0.316	0.018504	mg/L
Cu	65	52119.983	0.156	0.018821	mg/L
Zn	66	32386.634	0.096	0.020311	mg/L
Zn	68	23322.246	0.068	0.020087	mg/L
Ge	72	335622.246	335422.246		mg/L
As	75	40164.570	0.117	0.020108	mg/L
Se	77	3080.686	0.009	0.019782	mg/L
Se	82	3842.528	0.012	0.018804	mg/L
Rh	103	382454.770	382454.770		mg/L
Ag	107	199845.809	0.522	0.019381	mg/L
Cd	111	46867.243	0.122	0.019788	mg/L
Cd	114	111387.689	0.291	0.020028	mg/L
Tl	203	166823.262	0.470	0.019881	mg/L
Tl	205	395876.312	1.116	0.020328	mg/L
Pb	208	521377.044	1.469	0.019381	mg/L
Bi	209	354673.680	354673.680		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	526774.704	526774.704		mg/L
Be	9	6021.687	0.011	0.019034	mg/L
V	51	211084.173	0.609	0.018283	mg/L
Cr	52	187188.902	0.517	0.018079	mg/L
Cr	53	22208.684	0.064	0.018781	mg/L
Co	59	218771.918	0.646	0.018367	mg/L
Cu	63	106277.584	0.318	0.018668	mg/L
Cu	65	52126.028	0.153	0.018368	mg/L
Zn	66	31250.524	0.091	0.018319	mg/L
Zn	68	22877.807	0.066	0.019403	mg/L
Ge	72	340280.087	340280.087		mg/L
As	75	39637.847	0.114	0.019558	mg/L
Se	77	3172.738	0.009	0.020108	mg/L
Se	82	4072.870	0.012	0.019756	mg/L
Rh	103	377704.710	377704.710		mg/L
Ag	107	202473.581	0.536	0.019803	mg/L
Cd	111	46877.156	0.123	0.020048	mg/L
Cd	114	111227.377	0.294	0.020252	mg/L
Tl	203	163791.263	0.456	0.019238	mg/L
Tl	205	394819.131	1.098	0.019999	mg/L
Pb	208	529563.764	1.489	0.019384	mg/L
Bi	209	359600.262	359500.262		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	525636.334	525636.334		mg/L
Be	9	6158.716	0.012	0.019602	mg/L
V	51	211868.613	0.629	0.018883	mg/L
Cr	52	185156.938	0.527	0.018412	mg/L
Cr	53	22765.448	0.067	0.019829	mg/L
Co	59	220077.106	0.666	0.018916	mg/L
Cu	63	107456.312	0.324	0.019056	mg/L
Cu	65	51431.009	0.156	0.018539	mg/L
Zn	66	31810.998	0.095	0.020229	mg/L
Zn	68	23394.482	0.069	0.020428	mg/L
Ge	72	330886.871	330886.871		mg/L
As	75	39464.566	0.117	0.020037	mg/L
Se	77	3227.781	0.009	0.021079	mg/L
Se	82	4014.724	0.012	0.020028	mg/L
Rh	103	377944.932	377944.932		mg/L
Ag	107	203438.432	0.538	0.019986	mg/L
Cd	111	46082.103	0.122	0.019821	mg/L
Cd	114	109188.156	0.289	0.019868	mg/L
Tl	203	164563.724	0.466	0.018706	mg/L
Tl	205	393261.624	1.115	0.020308	mg/L
Pb	208	525271.218	1.489	0.019539	mg/L
Bi	209	352640.618	352640.618		mg/L

Sample Information

Sample ID: 0B03065-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, February 03, 2010 19:12:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-CCV.015
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	506612.779	506612.779				mg/L
	Be	9	11867.637	0.023	0.039018	0.001	1.486	mg/L
	V	51	420465.857	1.257	0.037723	0.000	0.237	mg/L
	Cr	52	375898.550	1.101	0.038498	0.001	2.138	mg/L
	Cr	53	43686.969	0.130	0.038408	0.000	1.280	mg/L
	Co	59	460307.453	1.388	0.039503	0.001	2.092	mg/L
	Cu	63	225610.216	0.680	0.039971	0.000	0.704	mg/L
	Cu	65	107327.812	0.323	0.038871	0.001	1.959	mg/L
	Zn	66	60718.308	0.182	0.038678	0.000	0.739	mg/L
	Zn	68	44668.346	0.133	0.039282	0.000	1.013	mg/L
>	Ge	72	331507.926	331507.926				mg/L
	As	75	79908.877	0.239	0.040896	0.001	2.076	mg/L
	Se	77	5970.222	0.018	0.039667	0.002	4.492	mg/L
	Se	82	7920.416	0.024	0.039269	0.000	0.971	mg/L
>	Rh	103	389796.434	389796.434				mg/L
	Ag	107	422934.345	1.085	0.040294	0.001	1.513	mg/L
	Cd	111	96308.426	0.247	0.040160	0.000	0.346	mg/L
	Cd	114	224641.014	0.576	0.039637	0.000	0.083	mg/L
	Tl	203	339400.815	0.935	0.039488	0.000	1.201	mg/L
	Tl	205	802604.044	2.211	0.040275	0.001	1.758	mg/L
	Pb	208	1071970.189	2.952	0.038962	0.001	2.010	mg/L
>	Bi	209	363048.054	363048.054				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	101.783
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.618
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	95.576
	Ag	106.905	

: 00635

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.574

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	503836.818	503836.818		mg/L
Be	9	11788.839	0.023	0.038868	mg/L
V	51	422226.646	1.257	0.037709	mg/L
Cr	52	378831.083	1.105	0.038520	mg/L
Cr	53	44301.788	0.131	0.038886	mg/L
Co	59	480849.789	1.384	0.038372	mg/L
Cu	63	226382.086	0.679	0.039819	mg/L
Cu	65	108492.919	0.329	0.039110	mg/L
Zn	66	60958.618	0.182	0.038867	mg/L
Zn	68	44830.682	0.133	0.038242	mg/L
Ge	72	333021.643	333021.643		mg/L
As	75	82094.917	0.244	0.041834	mg/L
Se	77	5815.508	0.017	0.039089	mg/L
Se	82	7998.832	0.024	0.038464	mg/L
Rh	103	397410.077	397410.077		mg/L
Ag	107	425998.529	1.072	0.039803	mg/L
Cd	111	97805.887	0.246	0.040001	mg/L
Cd	114	229120.306	0.576	0.039863	mg/L
Tl	203	344192.031	0.936	0.039880	mg/L
Tl	205	807827.081	2.198	0.040038	mg/L
Pb	208	1078191.856	2.928	0.038828	mg/L
Bi	209	387582.814	387582.814		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	508416.177	508416.177		mg/L
Be	9	11741.780	0.023	0.038467	mg/L
V	51	413851.329	1.255	0.037641	mg/L
Cr	52	377998.887	1.123	0.039253	mg/L
Cr	53	43429.068	0.131	0.038688	mg/L
Co	59	484398.698	1.419	0.040367	mg/L
Cu	63	224298.486	0.666	0.040274	mg/L
Cu	65	107578.127	0.329	0.039486	mg/L
Zn	66	59481.227	0.181	0.038404	mg/L
Zn	68	44537.866	0.135	0.039599	mg/L
Ge	72	327081.329	327081.329		mg/L
As	75	78421.738	0.237	0.040877	mg/L
Se	77	6182.738	0.018	0.041664	mg/L
Se	82	7863.821	0.024	0.039812	mg/L
Rh	103	387032.788	387032.788		mg/L
Ag	107	418000.048	1.080	0.040103	mg/L
Cd	111	95787.252	0.247	0.040218	mg/L
Cd	114	222833.943	0.578	0.039689	mg/L
Tl	203	338030.802	0.946	0.039829	mg/L
Tl	205	801488.781	2.254	0.041072	mg/L
Pb	208	1073858.714	3.019	0.039857	mg/L
Bi	209	356440.428	356440.428		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	507485.344	507485.344		mg/L
Be	9	12072.314	0.024	0.039523	mg/L
V	51	425217.584	1.261	0.037816	mg/L
Cr	52	370886.698	1.076	0.037521	mg/L
Cr	53	43430.088	0.129	0.037840	mg/L
Co	59	455675.873	1.362	0.038780	mg/L
Cu	63	226170.125	0.676	0.039716	mg/L
Cu	65	105812.486	0.316	0.038019	mg/L
Zn	66	61715.080	0.184	0.038874	mg/L
Zn	68	44638.480	0.132	0.039008	mg/L
Ge	72	334420.805	334420.805		mg/L
As	75	79209.979	0.235	0.040179	mg/L
Se	77	5812.422	0.017	0.038238	mg/L
Se	82	7900.596	0.024	0.039829	mg/L
Rh	103	384946.438	384946.438		mg/L
Ag	107	424804.458	1.103	0.040976	mg/L
Cd	111	95352.338	0.246	0.040261	mg/L
Cd	114	221966.795	0.577	0.039668	mg/L
Tl	203	337879.613	0.923	0.039688	mg/L
Tl	205	798386.271	2.180	0.039718	mg/L
Pb	208	1065858.985	2.908	0.038403	mg/L
Bi	209	366141.223	366141.223		mg/L

: 00636

Sample Information

Sample ID: 0B03065-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, February 03, 2010 19:16:09
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-CCB.016
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	508458.305	508458.305				mg/L
	Be	9	5.333	0.000	0.000005	0.000	99.661	mg/L
	V	51	3760.553	0.000	0.000011	0.000	45.154	mg/L
	Cr	52	11748.106	0.002	0.000076	0.000	21.101	mg/L
	Cr	53	688.040	0.000	0.000134	0.000	5.060	mg/L
	Co	59	109.002	0.000	0.000000	0.000	2805.454	mg/L
	Cu	63	222.672	0.000	0.000003	0.000	139.524	mg/L
	Cu	65	120.002	0.000	0.000002	0.000	226.276	mg/L
	Zn	66	242.007	-0.000	-0.000005	0.000	65.415	mg/L
	Zn	68	413.683	-0.000	-0.000026	0.000	77.977	mg/L
>	Ge	72	333577.075	333577.075				mg/L
	As	75	1315.829	0.002	0.000281	0.000	10.263	mg/L
	Se	77	147.336	0.000	0.000120	0.000	65.306	mg/L
	Se	82	0.025	0.000	0.000169	0.000	46.811	mg/L
>	Rh	103	396206.913	396206.913				mg/L
	Ag	107	300.343	0.001	0.000025	0.000	26.419	mg/L
	Cd	111	11.365	0.000	0.000003	0.000	44.428	mg/L
	Cd	114	31.074	0.000	0.000002	0.000	14.218	mg/L
	Tl	203	100.668	0.000	0.000002	0.000	51.876	mg/L
	Tl	205	244.340	0.000	0.000003	0.000	63.237	mg/L
	Pb	208	698.354	0.000	0.000002	0.000	52.066	mg/L
>	Bi	209	359125.529	359125.529				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	102.154
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.227
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	97.148
	Ag	106.905	

: 00637

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	98.498

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B03065-CCB	As	75	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	502974.398	502974.398		mg/L
Be	9	7.000	0.000	0.000011	mg/L
V	51	3801.476	0.001	0.000016	mg/L
Cr	52	11961.466	0.002	0.000063	mg/L
Cr	53	686.040	0.000	0.000135	mg/L
Co	59	119.002	0.000	0.000001	mg/L
Cu	63	212.005	0.000	0.000001	mg/L
Cu	65	134.003	0.000	0.000000	mg/L
Zn	66	242.007	0.000	-0.000006	mg/L
Zn	68	430.017	-0.000	-0.000016	mg/L
Ge	72	331787.126	331787.126		mg/L
As	75	1258.845	0.001	0.000254	mg/L
Se	77	155.003	0.000	0.000177	mg/L
Se	82	-18.524	0.000	0.000078	mg/L
Rh	103	398421.332	398421.332		mg/L
Ag	107	378.014	0.001	0.000032	mg/L
Cd	111	9.558	0.000	0.000002	mg/L
Cd	114	32.982	0.000	0.000003	mg/L
Tl	203	112.002	0.000	0.000004	mg/L
Tl	205	287.006	0.000	0.000006	mg/L
Pb	208	715.021	0.000	0.000003	mg/L
Bi	209	357161.168	357161.168		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	517500.088	517500.088		mg/L
Be	9	4.000	0.000	0.000001	mg/L
V	51	3668.998	0.000	0.000008	mg/L
Cr	52	11733.747	0.003	0.000084	mg/L
Cr	53	684.040	0.000	0.000140	mg/L
Co	59	109.002	0.000	0.000000	mg/L
Cu	63	245.007	0.000	0.000007	mg/L
Cu	65	120.002	0.000	0.000003	mg/L
Zn	66	243.007	-0.000	-0.000002	mg/L
Zn	68	415.018	-0.000	-0.000018	mg/L
Ge	72	328377.842	328377.842		mg/L
As	75	1353.987	0.002	0.000312	mg/L
Se	77	150.003	0.000	0.000153	mg/L
Se	82	8.307	0.000	0.000210	mg/L
Rh	103	398249.181	398249.181		mg/L
Ag	107	263.008	0.001	0.000023	mg/L
Cd	111	14.493	0.000	0.000004	mg/L
Cd	114	28.925	0.000	0.000002	mg/L
Tl	203	100.002	0.000	0.000002	mg/L
Tl	205	242.007	0.000	0.000003	mg/L
Pb	208	719.021	0.000	0.000002	mg/L
Bi	209	364849.570	364849.570		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	504900.431	504900.431		mg/L
Be	9	5.000	0.000	0.000004	mg/L
V	51	3810.185	0.000	0.000008	mg/L
Cr	52	11949.108	0.002	0.000071	mg/L
Cr	53	694.041	0.000	0.000127	mg/L
Co	59	99.002	-0.000	-0.000001	mg/L
Cu	63	211.006	0.000	0.000000	mg/L
Cu	65	106.002	-0.000	-0.000003	mg/L
Zn	66	241.006	-0.000	-0.000006	mg/L
Zn	68	398.018	-0.000	-0.000049	mg/L
Ge	72	340588.256	340588.256		mg/L
As	75	1336.568	0.002	0.000277	mg/L
Se	77	137.003	0.000	0.000031	mg/L
Se	82	10.291	0.000	0.000218	mg/L
Rh	103	395950.247	395950.247		mg/L
Ag	107	240.008	0.001	0.000019	mg/L
Cd	111	10.043	0.000	0.000002	mg/L
Cd	114	31.304	0.000	0.000003	mg/L
Tl	203	90.001	0.000	0.000001	mg/L
Tl	205	204.006	0.000	0.000001	mg/L
Pb	208	661.019	0.000	0.000001	mg/L
Bi	209	355365.848	355365.848		mg/L

: 00638

Sample Information

Sample ID: 1000891-BLK1
Autosampler Position: 17
Sample Date/Time: Wednesday, February 03, 2010 19:19:31
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1000891-BLK1.017
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	514710.513	514710.513				mg/L
	Be	9	3.333	-0.000	-0.000001	0.000	262.763	mg/L
	V	51	3953.637	0.001	0.000022	0.000	14.237	mg/L
	Cr	52	12220.233	0.003	0.000105	0.000	5.186	mg/L
	Cr	53	678.706	0.000	0.000116	0.000	17.689	mg/L
	Co	59	106.669	-0.000	-0.000000	0.000	365.807	mg/L
	Cu	63	271.675	0.000	0.000011	0.000	6.878	mg/L
	Cu	65	137.003	0.000	0.000008	0.000	43.468	mg/L
	Zn	66	543.026	0.001	0.000180	0.000	10.307	mg/L
	Zn	68	685.373	0.001	0.000204	0.000	7.852	mg/L
>	Ge	72	339087.714	339087.714				mg/L
	As	75	1307.149	0.002	0.000266	0.000	2.880	mg/L
	Se	77	146.336	0.000	0.000097	0.000	81.996	mg/L
	Se	82	-65.747	-0.000	-0.000148	0.000	50.910	mg/L
>	Rh	103	399724.922	399724.922				mg/L
	Ag	107	109.669	0.000	0.000007	0.000	22.333	mg/L
	Cd	111	6.515	0.000	0.000000	0.000	94.280	mg/L
	Cd	114	19.182	0.000	0.000000	0.000	851.149	mg/L
	Tl	203	86.335	0.000	0.000001	0.000	92.303	mg/L
	Tl	205	190.338	0.000	0.000001	0.000	115.163	mg/L
	Pb	208	858.028	0.001	0.000008	0.000	12.244	mg/L
>	Bi	209	361588.748	361588.748				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	103.410
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.850
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.010
	Ag	106.905	

: 00639

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.174

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	518345.188	518348.188		mg/L
Be	9	4.000	0.000	0.000001	mg/L
V	51	3838.809	0.001	0.000023	mg/L
Cr	52	12180.488	0.003	0.000108	mg/L
Cr	53	698.041	0.000	0.000137	mg/L
Co	59	113.002	0.000	0.000000	mg/L
Cu	63	271.008	0.000	0.000011	mg/L
Cu	65	147.003	0.000	0.000012	mg/L
Zn	66	543.028	0.001	0.000183	mg/L
Zn	68	702.042	0.001	0.000223	mg/L
> Ge	72	336960.680	336960.680		mg/L
As	75	1315.178	0.002	0.000274	mg/L
Se	77	158.003	0.000	0.000187	mg/L
Se	82	-71.141	-0.000	-0.000176	mg/L
> Rh	103	405329.058	405329.058		mg/L
Ag	107	122.002	0.000	0.000008	mg/L
Cd	111	7.923	0.000	0.000001	mg/L
Cd	114	9.072	-0.000	-0.000001	mg/L
Tl	203	88.001	0.000	0.000001	mg/L
Tl	205	204.006	0.000	0.000001	mg/L
Pb	208	687.030	0.001	0.000009	mg/L
> Bi	209	382419.398	382419.398		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
> Li	6	520824.353	520824.353		mg/L
Be	9	2.000	0.000	-0.000008	mg/L
V	51	3954.236	0.001	0.000019	mg/L
Cr	52	12281.672	0.003	0.000088	mg/L
Cr	53	663.037	0.000	0.000087	mg/L
Co	59	117.002	0.000	0.000000	mg/L
Cu	63	276.008	0.000	0.000011	mg/L
Cu	65	134.003	0.000	0.000006	mg/L
Zn	66	517.024	0.001	0.000161	mg/L
Zn	68	675.039	0.001	0.000192	mg/L
> Ge	72	342470.140	342470.140		mg/L
As	75	1308.497	0.002	0.000256	mg/L
Se	77	139.003	0.000	0.000039	mg/L
Se	82	-76.275	-0.000	-0.000206	mg/L
> Rh	103	394824.411	394824.411		mg/L
Ag	107	117.002	0.000	0.000008	mg/L
Cd	111	5.984	0.000	0.000000	mg/L
Cd	114	9.751	-0.000	-0.000002	mg/L
Tl	203	93.002	0.000	0.000001	mg/L
Tl	205	189.004	0.000	0.000000	mg/L
Pb	208	842.027	0.001	0.000007	mg/L
> Bi	209	364744.397	364744.397		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
> Li	6	508161.991	508161.991		mg/L
Be	9	4.000	0.000	0.000001	mg/L
V	51	3979.858	0.001	0.000028	mg/L
Cr	52	12196.529	0.003	0.000107	mg/L
Cr	53	674.039	0.000	0.000114	mg/L
Co	59	90.001	0.000	0.000002	mg/L
Cu	63	269.008	0.000	0.000010	mg/L
Cu	65	139.002	0.000	0.000006	mg/L
Zn	66	569.028	0.001	0.000188	mg/L
Zn	68	675.039	0.001	0.000197	mg/L
> Ge	72	337843.341	337842.341		mg/L
As	75	1299.771	0.002	0.000264	mg/L
Se	77	141.003	0.000	0.000084	mg/L
Se	82	-47.825	0.000	-0.000083	mg/L
> Rh	103	399021.297	399021.297		mg/L
Ag	107	90.001	0.000	0.000005	mg/L
Cd	111	5.658	0.000	0.000000	mg/L
Cd	114	41.722	0.000	0.000004	mg/L
Tl	203	73.001	-0.000	0.000000	mg/L
Tl	205	178.004	0.000	0.000000	mg/L
Pb	208	845.027	0.001	0.000007	mg/L
> Bi	209	357802.450	357802.450		mg/L

Sample ID: 1000891-BLK1
Report Date/Time: Wednesday, February 03, 2010 19:27:19

Sample Information

Sample ID: 1000891-BS1
Autosampler Position: 18
Sample Date/Time: Wednesday, February 03, 2010 19:28:39
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1000891-BS1.018
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	509374.515	509374.515				mg/L
	Be	9	11860.626	0.023	0.038796	0.001	2.781	mg/L
	V	51	435347.924	1.283	0.038493	0.000	0.850	mg/L
	Cr	52	381534.695	1.101	0.038507	0.001	2.014	mg/L
	Cr	53	44886.376	0.132	0.038895	0.001	1.345	mg/L
	Co	59	462288.207	1.374	0.039097	0.001	2.235	mg/L
	Cu	63	225051.002	0.668	0.039291	0.000	1.090	mg/L
	Cu	65	109966.222	0.327	0.039252	0.001	2.910	mg/L
	Zn	66	58861.455	0.174	0.036949	0.001	1.559	mg/L
	Zn	68	43486.743	0.128	0.037673	0.001	1.697	mg/L
>	Ge	72	336412.189	336412.189				mg/L
	As	75	77429.705	0.228	0.039039	0.001	2.265	mg/L
	Se	77	5736.027	0.017	0.037495	0.001	1.366	mg/L
	Se	82	7593.185	0.023	0.037113	0.001	2.505	mg/L
>	Rh	103	400293.963	400293.963				mg/L
	Ag	107	422189.254	1.055	0.039165	0.001	1.839	mg/L
	Cd	111	93370.162	0.233	0.037912	0.000	0.687	mg/L
	Cd	114	216373.708	0.540	0.037177	0.000	0.517	mg/L
	Tl	203	331633.843	0.911	0.038490	0.001	1.543	mg/L
	Tl	205	793500.624	2.181	0.039727	0.001	3.300	mg/L
	Pb	208	1075081.973	2.953	0.038977	0.001	2.220	mg/L
>	Bi	209	363985.280	363985.280				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	102.338
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.062
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.150
	Ag	106.905	

: 00641

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.831

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	518483.298	518483.298		mg/L
Be	9	12039.258	0.023	0.038828	mg/L
V	51	446132.479	1.295	0.038884	mg/L
Cr	52	382268.818	1.088	0.037982	mg/L
Cr	53	44886.032	0.130	0.038302	mg/L
Co	59	458013.622	1.341	0.038149	mg/L
Cu	63	226662.267	0.663	0.038981	mg/L
Cu	65	108298.447	0.317	0.038067	mg/L
Zn	66	58998.241	0.172	0.038474	mg/L
Zn	68	43346.553	0.126	0.038878	mg/L
Ge	72	341511.846	341511.846		mg/L
As	75	76642.913	0.222	0.038049	mg/L
Se	77	5878.477	0.017	0.037981	mg/L
Se	82	7488.138	0.022	0.038040	mg/L
Rh	103	397817.887	397817.887		mg/L
Ag	107	428447.722	1.077	0.039980	mg/L
Cd	111	93378.644	0.238	0.038151	mg/L
Cd	114	214350.621	0.539	0.037068	mg/L
Tl	203	332541.006	0.901	0.038044	mg/L
Tl	205	790077.058	2.140	0.038981	mg/L
Pb	208	1087567.488	2.890	0.038148	mg/L
Bi	209	369189.286	369189.286		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	515086.568	515086.568		mg/L
Be	9	11669.629	0.023	0.037703	mg/L
V	51	433406.951	1.278	0.038371	mg/L
Cr	52	377806.727	1.091	0.038141	mg/L
Cr	53	45086.169	0.133	0.039068	mg/L
Co	59	463881.786	1.380	0.038273	mg/L
Cu	63	223018.618	0.666	0.039139	mg/L
Cu	65	110178.338	0.328	0.039366	mg/L
Zn	66	58632.427	0.173	0.038782	mg/L
Zn	68	43594.061	0.128	0.037808	mg/L
Ge	72	335990.983	335990.983		mg/L
As	75	78741.881	0.232	0.039751	mg/L
Se	77	5841.283	0.016	0.036909	mg/L
Se	82	7704.386	0.023	0.037983	mg/L
Rh	103	399799.035	399799.035		mg/L
Ag	107	416325.348	1.041	0.038866	mg/L
Cd	111	92572.728	0.232	0.037838	mg/L
Cd	114	217398.875	0.544	0.037399	mg/L
Tl	203	333508.567	0.906	0.038261	mg/L
Tl	205	787468.910	2.138	0.038980	mg/L
Pb	208	1085780.578	2.947	0.038907	mg/L
Bi	209	368147.523	368147.523		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	496664.684	496664.684		mg/L
Be	9	11882.998	0.024	0.039880	mg/L
V	51	426904.342	1.275	0.038244	mg/L
Cr	52	384741.841	1.127	0.039387	mg/L
Cr	53	44707.925	0.133	0.039287	mg/L
Co	59	464888.204	1.401	0.039870	mg/L
Cu	63	224471.925	0.677	0.039778	mg/L
Cu	65	111451.681	0.336	0.040334	mg/L
Zn	66	59053.687	0.177	0.037590	mg/L
Zn	68	43520.614	0.130	0.038233	mg/L
Ge	72	331733.729	331733.729		mg/L
As	75	76904.319	0.230	0.039317	mg/L
Se	77	5688.321	0.017	0.037713	mg/L
Se	82	7589.033	0.023	0.037805	mg/L
Rh	103	403284.887	403284.887		mg/L
Ag	107	421794.681	1.046	0.038838	mg/L
Cd	111	94158.217	0.235	0.037851	mg/L
Cd	114	217373.828	0.539	0.037073	mg/L
Tl	203	329881.927	0.927	0.039184	mg/L
Tl	205	802988.903	2.264	0.041241	mg/L
Pb	208	1071927.658	3.021	0.039875	mg/L
Bi	209	354639.021	354639.021		mg/L

Sample Information

Sample ID: 1001382-01
Autosampler Position: 19
Sample Date/Time: Wednesday, February 03, 2010 19:32:02
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1001382-01.019
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	500492.995	500492.995				mg/L
	Be	9	267.008	0.001	0.000876	0.000	5.025	mg/L
	V	51	389527.592	1.159	0.034775	0.000	1.237	mg/L
	Cr	52	304604.459	0.882	0.030840	0.001	2.914	mg/L
	Cr	53	35501.695	0.105	0.030987	0.000	1.074	mg/L
	Co	59	104388.009	0.313	0.008911	0.000	0.721	mg/L
	Cu	63	277356.785	0.833	0.048937	0.001	1.398	mg/L
	Cu	65	134296.146	0.403	0.048433	0.000	0.702	mg/L
	Zn	66	242196.826	0.727	0.154104	0.001	0.477	mg/L
	Zn	68	179702.454	0.538	0.758540	0.004	2.245	mg/L
>	Ge	72	332940.073	332940.073				mg/L
	As	75	51246.695	0.152	0.025973	0.000	1.424	mg/L
	Se	77	333.011	0.001	0.001377	0.000	5.690	mg/L
	Se	82	43.421	0.000	0.000381	0.000	51.285	mg/L
>	Rh	103	378124.351	378124.351				mg/L
	Ag	107	2626.844	0.007	0.000255	0.000	5.360	mg/L
	Cd	111	2526.382	0.007	0.001084	0.000	4.212	mg/L
	Cd	114	3903.039	0.010	0.000707	0.000	4.129	mg/L
	Tl	203	2710.208	0.008	0.000318	0.000	2.342	mg/L
	Tl	205	6457.317	0.018	0.000328	0.000	1.555	mg/L
	Pb	208	2928342.606	8.381	0.110638	0.001	0.625	mg/L
>	Bi	209	349325.656	349325.656				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.554
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	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	92.714
	Ag	106.905	

: 00643

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

95.810

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	498466.198	498466.198		mg/L
Be	9	278.008	0.001	0.000810	mg/L
V	51	392266.148	1.170	0.036102	mg/L
Cr	52	302548.571	0.878	0.030694	mg/L
Cr	53	35388.802	0.106	0.030866	mg/L
Co	59	103338.172	0.311	0.008843	mg/L
Cu	63	276976.708	0.833	0.045981	mg/L
Cu	65	132994.016	0.400	0.046076	mg/L
Zn	66	242448.403	0.729	0.154625	mg/L
Zn	68	179389.478	0.539	0.158816	mg/L
Ge	72	332156.679	332156.679		mg/L
As	75	50406.486	0.149	0.025601	mg/L
Se	77	332.011	0.001	0.001375	mg/L
Se	82	56.233	0.000	0.000446	mg/L
Rh	103	382432.631	382432.631		mg/L
Ag	107	2788.672	0.007	0.000266	mg/L
Cd	111	2531.534	0.007	0.001074	mg/L
Cd	114	4015.836	0.010	0.000718	mg/L
Tl	203	2617.584	0.008	0.000327	mg/L
Tl	205	6627.139	0.018	0.000332	mg/L
Pb	208	2960006.836	8.327	0.109816	mg/L
Bi	209	354202.119	354202.119		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	508440.844	508440.844		mg/L
Be	9	278.008	0.001	0.000882	mg/L
V	51	388142.902	1.164	0.034834	mg/L
Cr	52	311273.812	0.910	0.031802	mg/L
Cr	53	35802.864	0.108	0.031333	mg/L
Co	59	104216.806	0.315	0.008870	mg/L
Cu	63	278841.203	0.844	0.049688	mg/L
Cu	65	134088.182	0.406	0.048753	mg/L
Zn	66	240738.902	0.728	0.154424	mg/L
Zn	68	182218.733	0.550	0.162060	mg/L
Ge	72	330236.663	330236.663		mg/L
As	75	51540.301	0.154	0.026340	mg/L
Se	77	342.012	0.001	0.001458	mg/L
Se	82	-1.501	0.000	0.000182	mg/L
Rh	103	375313.456	375313.456		mg/L
Ag	107	2821.507	0.007	0.000256	mg/L
Cd	111	2623.016	0.007	0.001134	mg/L
Cd	114	3988.456	0.011	0.000728	mg/L
Tl	203	2678.529	0.007	0.000316	mg/L
Tl	205	6456.984	0.018	0.000329	mg/L
Pb	208	2917785.808	8.388	0.110704	mg/L
Bi	209	347842.669	347842.669		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	494571.946	494571.946		mg/L
Be	9	249.007	0.000	0.000827	mg/L
V	51	388174.727	1.143	0.034288	mg/L
Cr	52	299980.983	0.858	0.030023	mg/L
Cr	53	35813.420	0.104	0.030898	mg/L
Co	59	105608.046	0.314	0.008922	mg/L
Cu	63	276252.445	0.821	0.048232	mg/L
Cu	65	135808.259	0.403	0.048470	mg/L
Zn	66	243408.174	0.723	0.153263	mg/L
Zn	68	177501.153	0.526	0.154944	mg/L
Ge	72	336427.856	336427.856		mg/L
As	75	51784.317	0.152	0.025678	mg/L
Se	77	325.011	0.001	0.001298	mg/L
Se	82	75.532	0.000	0.000636	mg/L
Rh	103	378626.969	378626.969		mg/L
Ag	107	2470.462	0.006	0.000240	mg/L
Cd	111	2424.586	0.006	0.001044	mg/L
Cd	114	3704.826	0.010	0.000674	mg/L
Tl	203	2634.512	0.007	0.000312	mg/L
Tl	205	6265.827	0.018	0.000322	mg/L
Pb	208	2917226.076	8.431	0.111294	mg/L
Bi	209	345932.160	345932.160		mg/L

: 00644

Sample Information

Sample ID: 1001382-02
Autosampler Position: 20
Sample Date/Time: Wednesday, February 03, 2010 19:35:25
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1001382-02.020
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	498925.856	498925.856				mg/L
	Be	9	292.342	0.001	0.000964	0.000	6.798	mg/L
	V	51	320381.005	0.967	0.029007	0.000	0.287	mg/L
	Cr	52	320506.053	0.945	0.033051	0.001	1.613	mg/L
	Cr	53	37437.231	0.113	0.033237	0.000	0.989	mg/L
	Co	59	94501.027	0.288	0.008197	0.000	0.171	mg/L
	Cu	63	339683.412	1.036	0.060918	0.002	2.935	mg/L
	Cu	65	165631.628	0.505	0.060708	0.001	1.326	mg/L
	Zn	66	269380.489	0.821	0.174168	0.002	1.002	mg/L
	Zn	68	200965.300	0.612	0.180216	0.004	2.121	mg/L
>	Ge	72	327665.859	327665.859				mg/L
	As	75	53396.959	0.161	0.027523	0.000	1.144	mg/L
	Se	77	355.012	0.001	0.001563	0.000	4.211	mg/L
	Se	82	107.812	0.000	0.000708	0.000	22.851	mg/L
>	Rh	103	372224.558	372224.558				mg/L
	Ag	107	2863.270	0.008	0.000283	0.000	4.055	mg/L
	Cd	111	2875.754	0.008	0.001254	0.000	2.495	mg/L
	Cd	114	4520.903	0.012	0.000832	0.000	2.718	mg/L
	Tl	203	2852.265	0.008	0.000334	0.000	3.306	mg/L
	Tl	205	6945.446	0.019	0.000352	0.000	1.350	mg/L
	Pb	208	3573291.938	10.190	0.134514	0.001	1.098	mg/L
>	Bi	209	350617.616	350617.616				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.239
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	96.487
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	91.267
	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

96.165

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	504334.486	504334.486		mg/L
Be	9	318.010	0.001	0.001038	mg/L
V	51	324311.443	0.997	0.029013	mg/L
Cr	52	320800.122	0.934	0.032850	mg/L
Cr	53	37830.292	0.112	0.033183	mg/L
Co	59	95801.142	0.288	0.008186	mg/L
Cu	63	333116.937	1.004	0.058014	mg/L
Cu	65	186868.473	0.508	0.061047	mg/L
Zn	66	288508.841	0.812	0.172185	mg/L
Zn	68	200712.804	0.804	0.177812	mg/L
Ge	72	331803.803	331803.803		mg/L
As	75	53339.481	0.158	0.027158	mg/L
Se	77	388.013	0.001	0.001625	mg/L
Se	82	133.619	0.001	0.000828	mg/L
Rh	103	372237.573	372237.573		mg/L
Ag	107	2780.873	0.007	0.000275	mg/L
Cd	111	2913.388	0.008	0.001270	mg/L
Cd	114	4438.413	0.012	0.000817	mg/L
Tl	203	2808.581	0.008	0.000328	mg/L
Tl	205	7101.800	0.020	0.000367	mg/L
Pb	208	3587724.633	10.056	0.133119	mg/L
Bi	209	353716.936	353716.936		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	491567.806	491567.806		mg/L
Be	9	280.008	0.001	0.000837	mg/L
V	51	320866.092	0.984	0.028920	mg/L
Cr	52	319888.280	0.939	0.032948	mg/L
Cr	53	37250.280	0.112	0.032938	mg/L
Co	59	94821.166	0.288	0.008193	mg/L
Cu	63	342528.858	1.041	0.061178	mg/L
Cu	65	163759.547	0.498	0.060789	mg/L
Zn	66	271683.056	0.825	0.174984	mg/L
Zn	68	199538.616	0.805	0.178212	mg/L
Ge	72	328922.048	328922.048		mg/L
As	75	53978.131	0.162	0.027718	mg/L
Se	77	348.012	0.001	0.001483	mg/L
Se	82	71.323	0.000	0.000534	mg/L
Rh	103	368561.837	368561.837		mg/L
Ag	107	2874.649	0.008	0.000298	mg/L
Cd	111	2900.529	0.008	0.001274	mg/L
Cd	114	4432.202	0.012	0.000822	mg/L
Tl	203	2937.632	0.008	0.000347	mg/L
Tl	205	6802.306	0.019	0.000347	mg/L
Pb	208	3565864.298	10.307	0.136081	mg/L
Bi	209	347829.048	347829.048		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	500878.288	500878.288		mg/L
Be	9	279.008	0.001	0.000818	mg/L
V	51	316163.480	0.970	0.029086	mg/L
Cr	52	321051.748	0.983	0.033668	mg/L
Cr	53	37231.150	0.114	0.033588	mg/L
Co	59	93180.773	0.288	0.008212	mg/L
Cu	63	343404.441	1.064	0.062982	mg/L
Cu	65	164589.863	0.510	0.061288	mg/L
Zn	66	268982.870	0.827	0.175387	mg/L
Zn	68	202646.381	0.827	0.184624	mg/L
Ge	72	322471.625	322471.625		mg/L
As	75	52878.284	0.162	0.027684	mg/L
Se	77	351.012	0.001	0.001875	mg/L
Se	82	118.482	0.000	0.000770	mg/L
Rh	103	374874.268	374874.268		mg/L
Ag	107	2824.587	0.007	0.000277	mg/L
Cd	111	2813.348	0.007	0.001218	mg/L
Cd	114	4494.083	0.012	0.000868	mg/L
Tl	203	2813.562	0.008	0.000330	mg/L
Tl	205	6932.432	0.019	0.000381	mg/L
Pb	208	3566298.986	10.179	0.134363	mg/L
Bi	209	350308.863	350308.863		mg/L

: 00646

Sample Information

Sample ID: 1001382-03
Autosampler Position: 21
Sample Date/Time: Wednesday, February 03, 2010 19:38:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1001382-03.021
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	495611.740	495611.740				mg/L
⌊	Be	9	271.341	0.001	0.000900	0.000	10.674	mg/L
⌈	V	51	406484.641	1.173	0.035189	0.002	4.856	mg/L
|	Cr	52	1626870.985	4.703	0.164453	0.002	1.396	mg/L
|	Cr	53	192482.443	0.559	0.164844	0.003	1.803	mg/L
|	Co	59	155607.537	0.453	0.012880	0.000	2.226	mg/L
|	Cu	63	3644847.586	10.613	0.623863	0.020	3.188	mg/L
|	Cu	65	1740925.383	5.068	0.609084	0.012	1.938	mg/L
|	Zn	66	1965888.971	5.722	1.213428	0.013	1.055	mg/L
|	Zn	68	1416226.265	4.121	1.213351	0.024	1.949	mg/L
|>	Ge	72	343554.165	343554.165				mg/L
|	As	75	64681.058	0.186	0.031863	0.001	1.829	mg/L
|	Se	77	304.010	0.000	0.001118	0.000	10.534	mg/L
⌊	Se	82	82.387	0.000	0.000562	0.000	11.471	mg/L
⌈>	Rh	103	361200.140	361200.140				mg/L
|	Ag	107	8608.604	0.024	0.000882	0.000	0.260	mg/L
|	Cd	111	38883.584	0.108	0.017496	0.000	0.406	mg/L
⌊	Cd	114	85179.335	0.236	0.016219	0.000	1.811	mg/L
⌈	Tl	203	2614.171	0.007	0.000302	0.000	2.847	mg/L
|	Tl	205	6208.093	0.017	0.000310	0.000	1.481	mg/L
|	Pb	208	38975553.585	109.963	1.461539	0.006	0.429	mg/L
⌊>	Bi	209	354440.365	354440.365				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	99.573
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	101.165
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	88.564
|	Ag	106.905	

: 00647

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.213

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	495466.898	495466.898		mg/L
Be	9	303.008	0.001	0.001007	mg/L
V	51	395114.144	1.113	0.033387	mg/L
Cr	52	1638657.021	4.627	0.161802	mg/L
Cr	53	194623.771	0.532	0.162944	mg/L
Co	59	156289.869	0.444	0.012638	mg/L
Cu	63	3598461.418	10.229	0.601266	mg/L
Cu	65	1742279.384	4.966	0.596478	mg/L
Zn	66	1988198.429	5.654	1.199003	mg/L
Zn	68	1443214.841	4.104	1.208162	mg/L
Ga	72	351584.404	351584.404		mg/L
As	75	64976.211	0.183	0.031263	mg/L
Se	77	291.008	0.000	0.000988	mg/L
Se	82	68.589	0.000	0.000488	mg/L
Rh	103	358980.048	358980.048		mg/L
Ag	107	6530.178	0.024	0.000879	mg/L
Cd	111	38607.756	0.107	0.017434	mg/L
Cd	114	86426.633	0.241	0.016557	mg/L
Tl	203	2548.479	0.007	0.000292	mg/L
Tl	205	6339.876	0.017	0.000318	mg/L
Pb	208	39018030.428	109.478	1.448148	mg/L
Bi	209	356378.333	356378.333		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	502505.020	502505.020		mg/L
Be	9	251.007	0.000	0.000820	mg/L
V	51	420640.491	1.226	0.036787	mg/L
Cr	52	1623822.508	4.743	0.165840	mg/L
Cr	53	194414.178	0.570	0.168298	mg/L
Co	59	157784.233	0.464	0.013187	mg/L
Cu	63	3683786.233	10.868	0.638703	mg/L
Cu	65	1740393.454	5.119	0.615217	mg/L
Zn	66	1961486.346	5.788	1.223417	mg/L
Zn	68	1377586.788	4.051	1.192731	mg/L
Ga	72	339838.280	339838.280		mg/L
As	75	64088.824	0.188	0.031801	mg/L
Se	77	318.010	0.001	0.001217	mg/L
Se	82	90.849	0.000	0.000808	mg/L
Rh	103	363684.849	363684.849		mg/L
Ag	107	6678.355	0.024	0.000883	mg/L
Cd	111	39116.951	0.108	0.017480	mg/L
Cd	114	84783.611	0.233	0.016028	mg/L
Tl	203	2630.511	0.007	0.000306	mg/L
Tl	205	6082.658	0.017	0.000308	mg/L
Pb	208	38745432.358	109.988	1.451874	mg/L
Bi	209	352263.681	352263.681		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	488983.306	488983.306		mg/L
Be	9	260.007	0.001	0.000874	mg/L
V	51	403799.287	1.180	0.035393	mg/L
Cr	52	1618533.424	4.739	0.168717	mg/L
Cr	53	188409.381	0.564	0.163430	mg/L
Co	59	152748.480	0.450	0.012806	mg/L
Cu	63	3644288.107	10.745	0.631618	mg/L
Cu	65	1740103.311	5.131	0.616568	mg/L
Zn	66	1948002.140	5.743	1.217855	mg/L
Zn	68	1427868.088	4.209	1.239186	mg/L
Ga	72	339141.812	339141.812		mg/L
As	75	64979.340	0.189	0.032426	mg/L
Se	77	305.010	0.001	0.001149	mg/L
Se	82	87.724	0.000	0.000582	mg/L
Rh	103	360925.522	360925.522		mg/L
Ag	107	6617.281	0.024	0.000883	mg/L
Cd	111	39026.044	0.108	0.017573	mg/L
Cd	114	84347.762	0.234	0.016072	mg/L
Tl	203	2668.524	0.007	0.000308	mg/L
Tl	205	6191.744	0.017	0.000308	mg/L
Pb	208	39188197.972	110.422	1.467587	mg/L
Bi	209	354682.082	354682.082		mg/L

: 00643

Sample Information

Sample ID: 1001382-04
Autosampler Position: 22
Sample Date/Time: Wednesday, February 03, 2010 19:42:11
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1001382-04.022
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	503736.347	503736.347				mg/L
	Be	9	421.017	0.001	0.001380	0.000	4.024	mg/L
	V	51	366674.996	1.088	0.032643	0.001	1.744	mg/L
	Cr	52	468631.797	1.371	0.047953	0.001	1.855	mg/L
	Cr	53	54518.154	0.162	0.047732	0.001	1.248	mg/L
	Co	59	116817.387	0.350	0.009953	0.000	2.009	mg/L
	Cu	63	1269180.372	3.803	0.223664	0.003	1.207	mg/L
	Cu	65	604663.981	1.812	0.217748	0.004	1.839	mg/L
	Zn	66	1087551.561	3.259	0.691080	0.015	2.100	mg/L
	Zn	68	785693.334	2.353	0.692891	0.007	0.950	mg/L
>	Ge	72	333678.734	333678.734				mg/L
	As	75	96345.336	0.286	0.049069	0.001	1.049	mg/L
	Se	77	341.678	0.001	0.001430	0.000	14.819	mg/L
	Se	82	140.177	0.001	0.000857	0.000	2.146	mg/L
>	Rh	103	367262.899	367262.899				mg/L
	Ag	107	4256.311	0.012	0.000427	0.000	0.884	mg/L
	Cd	111	6364.713	0.017	0.002815	0.000	2.572	mg/L
	Cd	114	10247.053	0.028	0.001917	0.000	2.151	mg/L
	Tl	203	3305.131	0.009	0.000388	0.000	0.910	mg/L
	Tl	205	8093.665	0.023	0.000411	0.000	1.464	mg/L
	Pb	208	18878673.012	53.747	0.709478	0.009	1.260	mg/L
>	Bi	209	351277.107	351277.107				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	101.205
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.257
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	90.051
	Ag	106.905	

: 00649

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

96.346

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	510121.578	510121.578		mg/L
Be	9	425.017	0.001	0.001376	mg/L
V	51	371320.749	1.108	0.033232	mg/L
Cr	52	475666.620	1.400	0.048952	mg/L
Cr	53	54992.428	0.164	0.048403	mg/L
Co	59	117314.706	0.353	0.010046	mg/L
Cu	63	1277328.839	3.847	0.226162	mg/L
Cu	65	613034.207	1.848	0.221886	mg/L
Zn	66	1096213.946	3.298	0.698486	mg/L
Zn	68	782760.388	2.357	0.693877	mg/L
Ge	72	331942.083	331942.083		mg/L
As	75	98686.406	0.267	0.049129	mg/L
Se	77	376.014	0.001	0.001674	mg/L
Se	82	136.557	0.001	0.000843	mg/L
Rh	103	371578.442	371578.442		mg/L
Ag	107	4283.327	0.011	0.000425	mg/L
Cd	111	6282.830	0.017	0.002748	mg/L
Cd	114	10130.719	0.027	0.001872	mg/L
Tl	203	3371.829	0.009	0.000380	mg/L
Tl	205	8179.783	0.022	0.000409	mg/L
Pb	208	18892852.073	52.969	0.699206	mg/L
Bi	209	356865.284	356865.284		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	500988.384	500988.384		mg/L
Be	9	436.018	0.001	0.001438	mg/L
V	51	364879.868	1.070	0.032088	mg/L
Cr	52	471108.474	1.363	0.047883	mg/L
Cr	53	54801.442	0.160	0.047288	mg/L
Co	59	115425.247	0.342	0.009723	mg/L
Cu	63	1267523.476	3.756	0.220776	mg/L
Cu	65	600734.041	1.780	0.213907	mg/L
Zn	66	1073257.287	3.180	0.674322	mg/L
Zn	68	766621.816	2.330	0.685870	mg/L
Ge	72	337428.448	337428.448		mg/L
As	75	98365.943	0.263	0.048527	mg/L
Se	77	325.011	0.001	0.001293	mg/L
Se	82	140.432	0.001	0.000880	mg/L
Rh	103	362528.744	362528.744		mg/L
Ag	107	4181.268	0.011	0.000425	mg/L
Cd	111	6481.912	0.018	0.002891	mg/L
Cd	114	10314.382	0.028	0.001954	mg/L
Tl	203	3293.792	0.009	0.000380	mg/L
Tl	205	8161.730	0.023	0.000417	mg/L
Pb	208	18872688.434	54.202	0.715477	mg/L
Bi	209	348182.670	348182.670		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	500121.087	500121.087		mg/L
Be	9	402.018	0.001	0.001327	mg/L
V	51	364024.381	1.067	0.032000	mg/L
Cr	52	458102.287	1.351	0.047248	mg/L
Cr	53	53980.683	0.161	0.047536	mg/L
Co	59	117714.208	0.356	0.010089	mg/L
Cu	63	1262688.802	3.806	0.223756	mg/L
Cu	65	600223.894	1.809	0.217440	mg/L
Zn	66	1094183.468	3.298	0.698421	mg/L
Zn	68	787797.898	2.374	0.698927	mg/L
Ge	72	331665.675	331665.675		mg/L
As	75	96703.680	0.289	0.049551	mg/L
Se	77	324.011	0.001	0.001324	mg/L
Se	82	143.542	0.001	0.000877	mg/L
Rh	103	367683.511	367683.511		mg/L
Ag	107	4304.340	0.012	0.000432	mg/L
Cd	111	6356.798	0.017	0.002809	mg/L
Cd	114	10298.058	0.028	0.001923	mg/L
Tl	203	3249.772	0.009	0.000364	mg/L
Tl	205	7948.501	0.022	0.000406	mg/L
Pb	208	18870477.530	54.071	0.713752	mg/L
Bi	209	348983.388	348983.388		mg/L

: 00650

Sample Information

Sample ID: 1001382-05
Autosampler Position: 23
Sample Date/Time: Wednesday, February 03, 2010 19:45:35
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1001382-05.023
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	508392.285	508392.285				mg/L
	Be	9	410.683	0.001	0.001334	0.000	4.678	mg/L
	V	51	390449.783	1.121	0.033637	0.001	1.605	mg/L
	Cr	52	469472.666	1.328	0.046442	0.001	1.538	mg/L
	Cr	*53*	*55494.633*	*0.159*	*0.046996*	*0.000*	*0.297*	*mg/L*
	Co	59	149931.389	0.434	0.012360	0.000	1.361	mg/L
	Cu	63	4564736.152	13.235	0.777977	0.014	1.768	mg/L
	Cu	65	2190745.993	6.352	0.763322	0.011	1.460	mg/L
	Zn	66	4864727.046	14.104	2.990920	0.031	1.043	mg/L
	Zn	68	3536232.192	10.252	3.018413	0.045	1.505	mg/L
>	Ge	72	344909.884	344909.884				mg/L
	As	75	63620.379	0.182	0.031205	0.000	1.331	mg/L
	Se	77	358.013	0.001	0.001461	0.000	1.652	mg/L
	Se	82	201.924	0.001	0.001127	0.000	20.010	mg/L
>	Rh	103	375930.251	375930.251				mg/L
	Ag	107	8052.285	0.021	0.000792	0.000	1.937	mg/L
	Cd	111	14188.611	0.038	0.006133	0.000	2.539	mg/L
	Cd	114	29046.416	0.077	0.005312	0.000	0.847	mg/L
	Tl	203	2567.154	0.007	0.000287	0.000	2.218	mg/L
	Tl	205	6270.481	0.017	0.000304	0.000	0.459	mg/L
	Pb	208	43294501.426	118.469	1.563820	0.011	0.713	mg/L
>	Bi	209	365457.554	365457.554				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	102.141
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	101.564
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	92.176
	Ag	106.905	

00651

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	100.235

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	509836.680	509836.680		mg/L
Be	9	397.015	0.001	0.001298	mg/L
V	51	390881.763	1.113	0.033388	mg/L
Cr	52	468182.829	7.314	0.048838	mg/L
Cr	53	55776.480	0.158	0.046861	mg/L
Co	59	149141.410	0.428	0.012187	mg/L
Cu	63	4509177.988	12.870	0.782410	mg/L
Cu	65	2175124.808	6.296	0.751860	mg/L
Zn	66	4864486.187	13.963	2.980862	mg/L
Zn	68	3510988.756	10.068	2.973017	mg/L
Ge	72	347648.423	347648.423		mg/L
As	75	63218.392	0.180	0.030756	mg/L
Se	77	358.013	0.001	0.001448	mg/L
Se	82	157.587	0.001	0.000811	mg/L
Rh	103	374484.058	374484.058		mg/L
Ag	107	7908.456	0.021	0.000781	mg/L
Cd	111	14536.208	0.039	0.005307	mg/L
Cd	114	29146.044	0.078	0.005351	mg/L
Tl	203	2833.509	0.007	0.000291	mg/L
Tl	205	6304.844	0.017	0.000306	mg/L
Pb	208	43108800.818	117.898	1.556288	mg/L
Bi	209	365622.641	365622.641		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	507374.898	507374.898		mg/L
Be	9	403.015	0.001	0.001311	mg/L
V	51	387027.819	1.109	0.033287	mg/L
Cr	52	467429.258	7.319	0.048133	mg/L
Cr	53	55801.119	0.158	0.046888	mg/L
Co	59	150133.889	0.434	0.012380	mg/L
Cu	63	4636260.007	13.413	0.788480	mg/L
Cu	65	2197468.563	6.358	0.784012	mg/L
Zn	66	4871343.384	14.094	2.969804	mg/L
Zn	68	3543822.398	10.252	3.018384	mg/L
Ge	72	345824.802	345824.802		mg/L
As	75	63918.832	0.183	0.031284	mg/L
Se	77	363.013	0.001	0.001489	mg/L
Se	82	251.750	0.001	0.001381	mg/L
Rh	103	378749.944	378749.944		mg/L
Ag	107	8290.882	0.022	0.000810	mg/L
Cd	111	14002.970	0.037	0.005007	mg/L
Cd	114	28984.140	0.077	0.005263	mg/L
Tl	203	2616.505	0.007	0.000291	mg/L
Tl	205	6309.648	0.017	0.000303	mg/L
Pb	208	43490778.800	118.068	1.568643	mg/L
Bi	209	368348.342	368348.342		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	508186.299	508186.299		mg/L
Be	9	432.017	0.001	0.001404	mg/L
V	51	393629.788	1.142	0.034287	mg/L
Cr	52	472795.813	7.352	0.047259	mg/L
Cr	53	55108.301	0.160	0.047139	mg/L
Co	59	150518.889	0.440	0.012533	mg/L
Cu	63	4548780.481	13.321	0.783041	mg/L
Cu	65	2199863.790	6.442	0.774108	mg/L
Zn	66	4856349.588	14.257	3.023204	mg/L
Zn	68	3553878.423	10.407	3.063868	mg/L
Ge	72	341458.426	341458.426		mg/L
As	75	63726.112	0.184	0.031575	mg/L
Se	77	352.012	0.001	0.001445	mg/L
Se	82	198.454	0.001	0.001111	mg/L
Rh	103	374588.752	374588.752		mg/L
Ag	107	7958.508	0.021	0.000788	mg/L
Cd	111	14027.884	0.037	0.005088	mg/L
Cd	114	29000.086	0.077	0.005322	mg/L
Tl	203	2482.458	0.007	0.000280	mg/L
Tl	205	6198.749	0.017	0.000303	mg/L
Pb	208	43285624.561	119.439	1.576830	mg/L
Bi	209	362404.679	362404.679		mg/L

Sample Information

Sample ID: 1001382-06
Autosampler Position: 24
Sample Date/Time: Wednesday, February 03, 2010 19:48:59
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1001382-06.024
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	506055.852	506055.852				mg/L
⌊	Be	9	183.004	0.000	0.000590	0.000	6.129	mg/L
⌈	V	51	342357.442	1.025	0.030736	0.000	0.966	mg/L
|	Cr	52	259437.803	0.752	0.026279	0.000	1.677	mg/L
|	Cr	53	30035.328	0.089	0.026328	0.001	2.565	mg/L
|	Co	59	85806.614	0.259	0.007374	0.000	1.678	mg/L
|	Cu	63	728332.205	2.202	0.129442	0.000	0.249	mg/L
|	Cu	65	341519.019	1.033	0.124088	0.002	1.300	mg/L
|	Zn	66	586701.417	1.774	0.376115	0.003	0.822	mg/L
|	Zn	68	420789.273	1.271	0.374265	0.002	0.513	mg/L
|>	Ge	72	330659.621	330659.621				mg/L
|	As	75	30966.707	0.091	0.015649	0.000	2.025	mg/L
|	Se	77	294.342	0.001	0.001129	0.000	7.955	mg/L
⌊	Se	82	63.096	0.000	0.000481	0.000	18.200	mg/L
⌈>	Rh	103	374354.446	374354.446				mg/L
|	Ag	107	1914.609	0.005	0.000187	0.000	1.914	mg/L
|	Cd	111	2845.194	0.008	0.001233	0.000	3.052	mg/L
⌊	Cd	114	4334.924	0.012	0.000794	0.000	3.449	mg/L
⌈	Tl	203	1753.900	0.005	0.000208	0.000	2.835	mg/L
|	Tl	205	3997.160	0.011	0.000204	0.000	3.309	mg/L
|	Pb	208	5492837.059	16.090	0.212389	0.002	0.826	mg/L
⌊>	Bi	209	341376.591	341376.591				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	101.671
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.368
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	91.789
|	Ag	106.905	

: 00653

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

93.630

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	505812.417	505812.417		mg/L
Be	9	188.004	0.000	0.000800	mg/L
V	51	343084.076	1.021	0.030527	mg/L
Cr	52	265114.977	0.784	0.026725	mg/L
Cr	53	29958.987	0.088	0.028108	mg/L
Co	59	87570.400	0.263	0.007484	mg/L
Cu	63	730368.239	2.198	0.128089	mg/L
Cu	65	338187.356	1.020	0.122656	mg/L
Zn	66	587483.618	1.766	0.374513	mg/L
Zn	68	423386.863	1.272	0.374519	mg/L
Ge	72	332483.414	332483.414		mg/L
As	75	30484.044	0.089	0.015301	mg/L
Se	77	297.008	0.001	0.001136	mg/L
Se	82	63.636	0.000	0.000482	mg/L
Rh	103	374947.988	374947.988		mg/L
Ag	107	1924.275	0.006	0.000187	mg/L
Cd	111	2948.539	0.008	0.001276	mg/L
Cd	114	4380.384	0.013	0.000797	mg/L
Tl	203	1733.228	0.006	0.000202	mg/L
Tl	205	4208.281	0.012	0.000218	mg/L
Pb	208	5527987.790	15.837	0.210378	mg/L
Bi	209	346822.839	346822.839		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	508413.628	508413.628		mg/L
Be	9	172.004	0.000	0.000569	mg/L
V	51	342613.910	1.038	0.031072	mg/L
Cr	52	256724.604	0.751	0.026288	mg/L
Cr	53	30679.625	0.092	0.027086	mg/L
Co	59	85217.170	0.260	0.007387	mg/L
Cu	63	721454.020	2.203	0.129616	mg/L
Cu	65	342714.452	1.047	0.125773	mg/L
Zn	66	586354.579	1.790	0.379877	mg/L
Zn	68	414301.600	1.264	0.372228	mg/L
Ge	72	327349.193	327349.193		mg/L
As	75	31177.540	0.093	0.015920	mg/L
Se	77	304.010	0.001	0.001216	mg/L
Se	82	44.735	0.000	0.000383	mg/L
Rh	103	381514.421	381514.421		mg/L
Ag	107	1963.298	0.006	0.000190	mg/L
Cd	111	2834.010	0.007	0.001206	mg/L
Cd	114	4260.200	0.011	0.000766	mg/L
Tl	203	1745.231	0.006	0.000208	mg/L
Tl	205	3898.103	0.011	0.000200	mg/L
Pb	208	5481088.648	18.151	0.213198	mg/L
Bi	209	339330.464	339330.464		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	502641.610	502641.610		mg/L
Be	9	191.004	0.000	0.000621	mg/L
V	51	341404.348	1.017	0.030609	mg/L
Cr	52	254473.830	0.739	0.025844	mg/L
Cr	53	29568.373	0.087	0.025791	mg/L
Co	59	84632.272	0.254	0.007240	mg/L
Cu	63	733188.356	2.207	0.129721	mg/L
Cu	65	342648.247	1.031	0.123831	mg/L
Zn	66	588288.066	1.764	0.374154	mg/L
Zn	68	424879.338	1.277	0.378048	mg/L
Ge	72	332146.256	332146.256		mg/L
As	75	31258.538	0.092	0.015725	mg/L
Se	77	282.008	0.000	0.001036	mg/L
Se	82	80.919	0.000	0.000588	mg/L
Rh	103	366800.930	366800.930		mg/L
Ag	107	1836.254	0.006	0.000183	mg/L
Cd	111	2753.037	0.007	0.001218	mg/L
Cd	114	4384.217	0.012	0.000820	mg/L
Tl	203	1783.240	0.006	0.000214	mg/L
Tl	205	3884.088	0.011	0.000200	mg/L
Pb	208	5468437.741	18.161	0.213586	mg/L
Bi	209	337976.468	337976.468		mg/L

: 00654

Sample Information

Sample ID: 1000891-MS1
Autosampler Position: 25
Sample Date/Time: Wednesday, February 03, 2010 19:52:24
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1000891-MS1.025
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	510073.145	510073.145				mg/L
	Be	9	11957.787	0.023	0.039054	0.001	1.771	mg/L
	V	51	797451.817	2.372	0.071161	0.001	0.929	mg/L
	Cr	52	595443.855	1.746	0.061061	0.001	1.170	mg/L
	Cr	53	69317.421	0.206	0.060637	0.000	0.649	mg/L
	Co	59	527879.414	1.577	0.044872	0.000	0.950	mg/L
	Cu	63	866404.819	2.588	0.152151	0.001	0.785	mg/L
	Cu	65	413821.830	1.236	0.148563	0.002	1.216	mg/L
	Zn	66	678255.642	2.026	0.429630	0.002	0.516	mg/L
	Zn	68	485551.849	1.450	0.426797	0.004	0.860	mg/L
>	Ge	72	334651.798	334651.798				mg/L
	As	75	105126.604	0.312	0.053420	0.001	1.119	mg/L
	Se	77	5501.506	0.016	0.036123	0.001	2.007	mg/L
	Se	82	7190.023	0.022	0.035327	0.000	0.677	mg/L
>	Rh	103	368951.600	368951.600				mg/L
	Ag	107	393474.889	1.066	0.039599	0.000	0.666	mg/L
	Cd	111	96399.521	0.261	0.042469	0.001	1.679	mg/L
	Cd	114	218833.014	0.593	0.040795	0.001	1.496	mg/L
	Tl	203	321177.714	0.936	0.039562	0.001	3.106	mg/L
	Tl	205	764077.415	2.228	0.040585	0.001	2.727	mg/L
	Pb	208	5952738.209	17.357	0.229111	0.005	2.154	mg/L
>	Bi	209	343027.917	343027.917				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	102.479
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.544
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	90.465
	Ag	106.905	

: 00655

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

94.083

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	503538.186	503538.186		mg/L
Be	9	12031.244	0.024	0.038798	mg/L
V	51	786513.040	2.347	0.070413	mg/L
Cr	52	591898.122	1.741	0.080882	mg/L
Cr	53	68730.775	0.204	0.080318	mg/L
Co	59	531900.494	1.594	0.045381	mg/L
Cu	63	871053.289	2.611	0.153469	mg/L
Cu	65	417986.870	1.253	0.150866	mg/L
Zn	66	675309.516	2.024	0.429162	mg/L
Zn	68	485254.210	1.453	0.427822	mg/L
Ge	72	333555.723	333555.723		mg/L
As	75	105070.732	0.313	0.053565	mg/L
Se	77	5508.179	0.016	0.036294	mg/L
Se	82	7119.836	0.021	0.038099	mg/L
Rh	103	369682.868	369682.868		mg/L
Ag	107	392313.564	1.061	0.039405	mg/L
Cd	111	84902.808	0.257	0.041725	mg/L
Cd	114	216288.108	0.586	0.040238	mg/L
Tl	203	320380.582	0.920	0.038845	mg/L
Tl	206	753280.873	2.162	0.036398	mg/L
Pb	208	6006848.140	17.239	0.227586	mg/L
Bi	209	348343.173	348343.173		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	507353.450	507353.450		mg/L
Be	9	11868.958	0.023	0.038938	mg/L
V	51	808182.013	2.380	0.071405	mg/L
Cr	52	594007.871	1.729	0.080447	mg/L
Cr	53	69698.100	0.206	0.080618	mg/L
Co	59	526421.989	1.567	0.044583	mg/L
Cu	63	871129.456	2.583	0.151841	mg/L
Cu	65	415646.467	1.232	0.148107	mg/L
Zn	66	680256.573	2.017	0.427883	mg/L
Zn	68	484812.292	1.436	0.422696	mg/L
Ge	72	337160.211	337160.211		mg/L
As	75	104526.370	0.308	0.052783	mg/L
Se	77	5424.113	0.016	0.035329	mg/L
Se	82	7295.108	0.022	0.035578	mg/L
Rh	103	366948.098	366948.098		mg/L
Ag	107	390291.134	1.064	0.039494	mg/L
Cd	111	87408.447	0.268	0.043147	mg/L
Cd	114	221125.031	0.603	0.041446	mg/L
Tl	203	324846.672	0.970	0.040881	mg/L
Tl	205	764097.417	2.282	0.041871	mg/L
Pb	208	5961498.634	17.775	0.234633	mg/L
Bi	209	334792.634	334792.634		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	519326.801	519326.801		mg/L
Be	9	11982.161	0.023	0.038430	mg/L
V	51	799680.387	2.389	0.071686	mg/L
Cr	52	600424.571	1.769	0.081848	mg/L
Cr	53	69522.389	0.207	0.081077	mg/L
Co	59	523318.779	1.570	0.044671	mg/L
Cu	63	857034.710	2.571	0.151142	mg/L
Cu	65	407822.154	1.223	0.147028	mg/L
Zn	66	679200.838	2.037	0.432048	mg/L
Zn	68	486688.046	1.460	0.429773	mg/L
Ge	72	333239.459	333239.459		mg/L
As	75	105682.706	0.315	0.052931	mg/L
Se	77	5671.228	0.016	0.036748	mg/L
Se	82	7155.106	0.022	0.035306	mg/L
Rh	103	370223.838	370223.838		mg/L
Ag	107	397819.980	1.074	0.039899	mg/L
Cd	111	96886.311	0.282	0.042536	mg/L
Cd	114	219104.804	0.582	0.040704	mg/L
Tl	203	318308.879	0.920	0.038880	mg/L
Tl	205	774853.954	2.239	0.040797	mg/L
Pb	208	5900809.866	17.056	0.225134	mg/L
Bi	209	345948.945	345948.945		mg/L

: 00656

Sample Information

Sample ID: 1000891-MSD1
Autosampler Position: 26
Sample Date/Time: Wednesday, February 03, 2010 19:55:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1000891-MSD1.026
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	510043.463	510043.463				mg/L
	Be	9	12080.663	0.024	0.039466	0.001	3.394	mg/L
	V	51	796908.332	2.404	0.072117	0.000	0.506	mg/L
	Cr	52	590171.311	1.755	0.061380	0.002	2.760	mg/L
	Cr	53	69266.980	0.208	0.061455	0.001	2.317	mg/L
	Co	59	516053.014	1.563	0.044484	0.001	2.366	mg/L
	Cu	63	829897.705	2.514	0.147779	0.001	0.446	mg/L
	Cu	65	404450.574	1.225	0.147251	0.004	2.500	mg/L
	Zn	66	606204.018	1.836	0.389372	0.004	1.005	mg/L
	Zn	68	434653.784	1.316	0.387374	0.002	0.454	mg/L
>	Ge	72	330023.034	330023.034				mg/L
	As	75	115447.697	0.348	0.059532	0.001	0.870	mg/L
	Se	77	5380.747	0.016	0.035819	0.001	1.924	mg/L
	Se	82	7283.243	0.022	0.036282	0.000	0.837	mg/L
>	Rh	103	377678.726	377678.726				mg/L
	Ag	107	399679.590	1.058	0.039299	0.001	1.622	mg/L
	Cd	111	95533.421	0.253	0.041116	0.001	1.527	mg/L
	Cd	114	220541.584	0.584	0.040168	0.001	1.946	mg/L
	Tl	203	322506.177	0.918	0.038781	0.000	1.220	mg/L
	Tl	205	774350.544	2.204	0.040155	0.000	0.522	mg/L
	Pb	208	5317056.923	15.136	0.199803	0.002	0.971	mg/L
>	Bi	209	351256.402	351256.402				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	102.473
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.181
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	92.605
	Ag	106.905	

: 00657

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	96.340

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	520082.983	520082.983		mg/L
Be	9	11844.831	0.023	0.037834	mg/L
V	51	799662.423	2.402	0.073047	mg/L
Cr	52	591314.560	1.751	0.081227	mg/L
Cr	53	66348.136	0.205	0.080357	mg/L
Co	59	523072.819	1.578	0.044884	mg/L
Cu	63	637047.648	2.525	0.148420	mg/L
Cu	65	401264.346	1.210	0.145448	mg/L
Zn	66	608171.962	1.828	0.387674	mg/L
Zn	68	435183.230	1.312	0.385184	mg/L
Ge	72	331435.342	331435.342		mg/L
As	75	115150.526	0.346	0.058120	mg/L
Se	77	5317.031	0.016	0.035257	mg/L
Se	82	7293.378	0.022	0.038179	mg/L
Rh	103	373933.834	373933.834		mg/L
Ag	107	402744.832	1.077	0.039892	mg/L
Cd	111	84643.521	0.253	0.041138	mg/L
Cd	114	222810.721	0.586	0.040946	mg/L
Tl	203	321862.027	0.908	0.038248	mg/L
Tl	205	780848.847	2.197	0.040017	mg/L
Pb	208	5330660.888	14.997	0.187981	mg/L
Bi	209	356411.014	356411.014		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	506338.664	506338.664		mg/L
Be	9	12150.447	0.024	0.040049	mg/L
V	51	794851.412	2.417	0.072512	mg/L
Cr	52	602003.966	1.806	0.083146	mg/L
Cr	53	70607.988	0.214	0.083087	mg/L
Co	59	520993.886	1.591	0.046270	mg/L
Cu	63	819461.887	2.502	0.147102	mg/L
Cu	65	412793.946	1.261	0.151486	mg/L
Zn	66	606282.674	1.857	0.393847	mg/L
Zn	68	433423.931	1.323	0.389382	mg/L
Ge	72	327378.492	327378.492		mg/L
As	75	115637.918	0.351	0.060113	mg/L
Se	77	5448.131	0.016	0.035675	mg/L
Se	82	7178.917	0.022	0.038043	mg/L
Rh	103	361795.881	361795.881		mg/L
Ag	107	398323.938	1.043	0.038739	mg/L
Cd	111	95080.948	0.249	0.040477	mg/L
Cd	114	218614.263	0.573	0.039382	mg/L
Tl	203	321998.906	0.922	0.038844	mg/L
Tl	205	774478.076	2.217	0.040386	mg/L
Pb	208	5339846.389	15.290	0.201830	mg/L
Bi	209	349207.957	349207.957		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	504711.771	504711.771		mg/L
Be	9	12246.619	0.024	0.040416	mg/L
V	51	796311.182	2.393	0.071792	mg/L
Cr	52	577165.427	1.708	0.059787	mg/L
Cr	53	68943.816	0.207	0.080930	mg/L
Co	59	504082.228	1.521	0.043288	mg/L
Cu	63	833183.579	2.515	0.147815	mg/L
Cu	65	398303.429	1.206	0.144819	mg/L
Zn	66	604157.529	1.823	0.386598	mg/L
Zn	68	435354.192	1.313	0.386546	mg/L
Ge	72	331255.269	331255.269		mg/L
As	75	115584.648	0.347	0.059382	mg/L
Se	77	5377.077	0.016	0.035664	mg/L
Se	82	7379.433	0.022	0.039824	mg/L
Rh	103	377308.465	377308.465		mg/L
Ag	107	397970.001	1.056	0.038165	mg/L
Cd	111	96875.799	0.257	0.041732	mg/L
Cd	114	220399.767	0.584	0.040176	mg/L
Tl	203	323669.568	0.927	0.039151	mg/L
Tl	205	767729.708	2.198	0.040061	mg/L
Pb	208	5280573.492	15.122	0.199818	mg/L
Bi	209	349150.236	349150.236		mg/L

: 00658

Sample Information

Sample ID: 0B03065-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, February 03, 2010 19:59:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-CCV.027
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	495477.893	495477.893				mg/L
	Be	9	11644.267	0.023	0.039146	0.000	0.637	mg/L
	V	51	418866.297	1.280	0.038407	0.001	1.553	mg/L
	Cr	52	374918.341	1.123	0.039253	0.001	2.073	mg/L
	Cr	53	43508.238	0.132	0.039086	0.000	1.261	mg/L
	Co	59	450500.765	1.388	0.039498	0.001	1.580	mg/L
	Cu	63	224252.206	0.691	0.040600	0.001	3.013	mg/L
	Cu	65	106799.915	0.329	0.039521	0.001	1.713	mg/L
	Zn	66	60726.375	0.186	0.039534	0.001	2.396	mg/L
	Zn	68	44447.321	0.136	0.039945	0.001	2.067	mg/L
>	Ge	72	324463.251	324463.251				mg/L
	As	75	78214.867	0.239	0.040903	0.001	1.551	mg/L
	Se	77	5897.160	0.018	0.040037	0.001	3.311	mg/L
	Se	82	7941.733	0.025	0.040227	0.001	1.367	mg/L
>	Rh	103	392957.548	392957.548				mg/L
	Ag	107	422826.592	1.076	0.039958	0.001	1.318	mg/L
	Cd	111	96321.228	0.245	0.039848	0.001	2.622	mg/L
	Cd	114	224530.654	0.571	0.039303	0.001	2.191	mg/L
	Tl	203	340813.431	0.956	0.040388	0.000	0.390	mg/L
	Tl	205	796099.515	2.233	0.040689	0.001	2.833	mg/L
	Pb	208	1081498.712	3.033	0.040033	0.001	1.316	mg/L
>	Bi	209	356405.200	356405.200				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	99.546
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	95.544
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	96.351
	Ag	106.905	

: 00659

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.752

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	503004.402	503004.402		mg/L
Be	9	11753.780	0.023	0.038891	mg/L
V	51	420181.453	1.303	0.038081	mg/L
Cr	52	376880.678	1.148	0.040031	mg/L
Cr	53	42787.078	0.132	0.038984	mg/L
Co	59	449886.416	1.406	0.039982	mg/L
Cu	63	226108.242	0.713	0.041888	mg/L
Cu	65	107348.886	0.336	0.040301	mg/L
Zn	66	60856.801	0.190	0.040284	mg/L
Zn	68	44808.310	0.138	0.040881	mg/L
Ge	72	319766.987	319766.987		mg/L
As	75	78238.564	0.242	0.041517	mg/L
Se	77	8027.602	0.018	0.041548	mg/L
Se	82	7938.334	0.025	0.040799	mg/L
Rh	103	308329.221	308329.221		mg/L
Ag	107	422149.777	1.080	0.039363	mg/L
Cd	111	94787.208	0.239	0.039877	mg/L
Cd	114	225213.346	0.565	0.039887	mg/L
Tl	203	342715.501	0.958	0.040625	mg/L
Tl	205	785882.991	2.200	0.040077	mg/L
Pb	208	1084971.883	3.036	0.040074	mg/L
Bi	209	357174.827	357174.827		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	495088.486	495088.486		mg/L
Be	9	11823.568	0.023	0.039104	mg/L
V	51	417408.702	1.267	0.037998	mg/L
Cr	52	378219.933	1.126	0.039320	mg/L
Cr	53	44405.042	0.134	0.039522	mg/L
Co	59	456084.869	1.398	0.039707	mg/L
Cu	63	219581.584	0.671	0.039468	mg/L
Cu	65	106804.686	0.326	0.039189	mg/L
Zn	66	59509.461	0.181	0.039463	mg/L
Zn	68	43773.153	0.133	0.039052	mg/L
Ge	72	326731.864	326731.864		mg/L
As	75	78648.048	0.239	0.040843	mg/L
Se	77	5797.410	0.017	0.039066	mg/L
Se	82	7988.668	0.026	0.040180	mg/L
Rh	103	389043.780	389043.780		mg/L
Ag	107	421380.268	1.083	0.040218	mg/L
Cd	111	96177.146	0.247	0.040161	mg/L
Cd	114	227920.340	0.586	0.040293	mg/L
Tl	203	339450.884	0.957	0.040422	mg/L
Tl	205	818200.856	2.308	0.042018	mg/L
Pb	208	1089879.616	3.071	0.040639	mg/L
Bi	209	354681.032	354681.032		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	488332.781	488332.781		mg/L
Be	9	11558.456	0.024	0.038414	mg/L
V	51	419037.735	1.271	0.038130	mg/L
Cr	52	369874.412	1.098	0.038408	mg/L
Cr	53	43352.598	0.131	0.038653	mg/L
Co	59	445851.010	1.364	0.038797	mg/L
Cu	63	225089.781	0.688	0.040440	mg/L
Cu	65	108449.393	0.325	0.039083	mg/L
Zn	66	81713.083	0.188	0.039874	mg/L
Zn	68	44958.498	0.136	0.040101	mg/L
Ge	72	326890.900	326890.900		mg/L
As	75	77561.990	0.235	0.040250	mg/L
Se	77	5866.467	0.018	0.039511	mg/L
Se	82	7897.197	0.024	0.039702	mg/L
Rh	103	391499.663	391499.663		mg/L
Ag	107	424949.730	1.086	0.040304	mg/L
Cd	111	97909.330	0.250	0.040686	mg/L
Cd	114	220458.278	0.563	0.038730	mg/L
Tl	203	340273.798	0.952	0.040216	mg/L
Tl	205	784214.667	2.194	0.039971	mg/L
Pb	208	1089644.638	2.991	0.039497	mg/L
Bi	209	357359.742	357359.742		mg/L

: 00560

Sample Information

Sample ID: 0B03065-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, February 03, 2010 20:02:31
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-CCB.028
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	492277.584	492277.584				mg/L
	Be	9	4.333	0.000	0.000002	0.000	212.591	mg/L
	V	51	3546.077	-0.000	-0.000003	0.000	321.732	mg/L
	Cr	52	11010.258	0.001	0.000020	0.000	125.122	mg/L
	Cr	53	573.695	0.000	0.000042	0.000	32.439	mg/L
	Co	59	108.002	0.000	0.000000	0.000	394.899	mg/L
	Cu	63	226.673	0.000	0.000004	0.000	56.564	mg/L
	Cu	65	141.003	0.000	0.000011	0.000	14.805	mg/L
	Zn	66	390.015	0.000	0.000093	0.000	18.831	mg/L
	Zn	68	549.027	0.000	0.000102	0.000	21.105	mg/L
>	Ge	72	327479.517	327479.517				mg/L
	As	75	711.798	-0.000	-0.000022	0.000	18.825	mg/L
	Se	77	117.335	-0.000	-0.000068	0.000	4.849	mg/L
	Se	82	6.572	0.000	0.000203	0.000	89.149	mg/L
>	Rh	103	398960.561	398960.561				mg/L
	Ag	107	344.345	0.001	0.000029	0.000	29.769	mg/L
	Cd	111	13.760	0.000	0.000003	0.000	6.959	mg/L
	Cd	114	33.809	0.000	0.000003	0.000	79.290	mg/L
	Tl	203	97.002	0.000	0.000002	0.000	86.308	mg/L
	Tl	205	231.006	0.000	0.000003	0.000	57.901	mg/L
	Pb	208	1202.385	0.002	0.000021	0.000	1.518	mg/L
>	Bi	209	357901.845	357901.845				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	98.903
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	96.432
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	97.823
	Ag	106.905	

: 20661

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.163

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B03065-CCB	Se	82	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	498346.984	498346.984		mg/L
Be	9	3.000	-0.000	0.000002	mg/L
V	51	3574.544	-0.000	0.000004	mg/L
Cr	52	11007.588	0.000	0.000006	mg/L
Cr	53	589.028	0.000	0.000029	mg/L
Co	59	105.002	-0.000	-0.000000	mg/L
Cu	63	218.006	0.000	0.000002	mg/L
Cu	65	146.003	0.000	0.000012	mg/L
Zn	66	398.016	0.000	0.000066	mg/L
Zn	68	564.028	0.000	0.000109	mg/L
> Ge	72	331568.308	331568.308		mg/L
As	75	722.560	0.000	-0.000021	mg/L
Se	77	119.002	-0.000	-0.000087	mg/L
Se	82	-34.747	-0.000	-0.000002	mg/L
> Rh	103	396806.828	396806.828		mg/L
Ag	107	437.018	0.001	0.000038	mg/L
Cd	111	13.534	0.000	0.000003	mg/L
Cd	114	48.122	0.000	0.000005	mg/L
Tl	203	113.002	0.000	0.000004	mg/L
Tl	205	262.007	0.000	0.000004	mg/L
Pb	208	1197.061	0.002	0.000021	mg/L
> Bi	209	354986.123	354986.123		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
> Li	6	497880.027	497880.027		mg/L
Be	9	8.000	0.000	0.000008	mg/L
V	51	3437.808	-0.000	-0.000011	mg/L
Cr	52	10815.290	0.000	0.000008	mg/L
Cr	53	586.030	0.000	0.000066	mg/L
Co	59	108.002	-0.000	-0.000000	mg/L
Cu	63	239.008	0.000	0.000007	mg/L
Cu	65	143.003	0.000	0.000012	mg/L
Zn	66	413.016	0.001	0.000110	mg/L
Zn	68	519.024	0.000	0.000078	mg/L
> Ge	72	325581.061	325581.061		mg/L
As	75	714.582	0.000	-0.000019	mg/L
Se	77	117.002	0.000	-0.000086	mg/L
Se	82	33.886	0.000	0.000339	mg/L
> Rh	103	405686.522	405686.522		mg/L
Ag	107	344.012	0.001	0.000029	mg/L
Cd	111	13.493	0.000	0.000003	mg/L
Cd	114	22.008	0.000	0.000001	mg/L
Tl	203	84.001	0.000	0.000001	mg/L
Tl	205	227.006	0.000	0.000002	mg/L
Pb	208	1198.051	0.002	0.000020	mg/L
> Bi	209	359525.486	359525.486		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
> Li	6	482825.781	482825.781		mg/L
Be	9	4.000	0.000	0.000002	mg/L
V	51	3626.080	0.000	0.000007	mg/L
Cr	52	11207.898	0.001	0.000049	mg/L
Cr	53	569.028	0.000	0.000041	mg/L
Co	59	113.002	0.000	0.000001	mg/L
Cu	63	225.006	0.000	0.000004	mg/L
Cu	65	135.003	0.000	0.000009	mg/L
Zn	66	359.013	0.000	0.000075	mg/L
Zn	68	564.028	0.000	0.000119	mg/L
> Ge	72	325288.192	325288.192		mg/L
As	75	698.222	0.000	0.000027	mg/L
Se	77	116.002	0.000	-0.000072	mg/L
Se	82	20.579	0.000	0.000273	mg/L
> Rh	103	394369.332	394369.332		mg/L
Ag	107	252.007	0.001	0.000021	mg/L
Cd	111	14.253	0.000	0.000004	mg/L
Cd	114	31.296	0.000	0.000003	mg/L
Tl	203	94.002	0.000	0.000002	mg/L
Tl	206	204.006	0.000	0.000001	mg/L
Pb	208	1212.053	0.002	0.000021	mg/L
> Bi	209	359183.926	359183.926		mg/L

: 00662

Sample Information

Sample ID: 0B03065-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, February 03, 2010 20:10:34
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File:
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	491683.572	491683.572				mg/L
	Be	9	2.333	-0.000	-0.000004	0.000	88.832	mg/L
	V	51	3622.011	0.000	0.000003	0.000	337.629	mg/L
	Cr	52	11026.949	0.001	0.000018	0.000	83.392	mg/L
	Cr	53	568.028	0.000	0.000035	0.000	13.476	mg/L
	Co	59	87.335	-0.000	-0.000002	0.000	50.251	mg/L
	Cu	63	230.339	0.000	0.000005	0.000	75.502	mg/L
	Cu	65	120.002	0.000	0.000003	0.000	109.960	mg/L
	Zn	66	363.013	0.000	0.000075	0.000	21.083	mg/L
	Zn	68	528.358	0.000	0.000082	0.000	3.874	mg/L
>	Ge	72	328593.747	328593.747				mg/L
	As	75	721.239	-0.000	-0.000019	0.000	76.586	mg/L
	Se	77	119.002	-0.000	-0.000059	0.000	178.077	mg/L
	Se	82	0.384	0.000	0.000171	0.000	86.243	mg/L
>	Rh	103	396164.699	396164.699				mg/L
	Ag	107	70.668	0.000	0.000003	0.000	10.830	mg/L
	Cd	111	1.152	-0.000	-0.000002	0.000	73.711	mg/L
	Cd	114	10.676	-0.000	-0.000001	0.000	64.244	mg/L
	Tl	203	67.001	-0.000	-0.000001	0.000	48.438	mg/L
	Tl	205	157.003	-0.000	-0.000001	0.000	72.573	mg/L
	Pb	208	971.035	0.001	0.000012	0.000	10.661	mg/L
>	Bi	209	358371.262	358371.262				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	98.784
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	96.760
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	97.137
	Ag	106.905	

: 00653

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.291

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	483381.736	483381.735		mg/L
	Be	9	3.000	0.000	-0.000002	mg/L
	V	51	3633.734	0.000	0.000002	mg/L
	Cr	52	11070.883	0.000	0.000001	mg/L
	Cr	53	579.029	0.000	0.000038	mg/L
	Co	59	97.002	-0.000	-0.000001	mg/L
	Cu	63	212.006	0.000	0.000001	mg/L
	Cu	65	117.002	0.000	0.000001	mg/L
	Zn	66	346.012	0.000	0.000060	mg/L
	Zn	68	542.028	0.000	0.000085	mg/L
>	Ge	72	334644.948	334644.948		mg/L
	As	75	703.922	-0.000	-0.000034	mg/L
	Se	77	108.002	-0.000	-0.000148	mg/L
	Se	82	-16.753	0.000	0.000087	mg/L
>	Rh	103	397122.736	397122.736		mg/L
	Ag	107	67.001	0.000	0.000003	mg/L
	Cd	111	3.498	-0.000	-0.000001	mg/L
	Cd	114	8.866	-0.000	-0.000001	mg/L
	Tl	203	75.001	-0.000	-0.000001	mg/L
	Tl	205	177.004	-0.000	0.000000	mg/L
	Pb	208	949.033	0.001	0.000011	mg/L
>	Bi	209	364972.625	364972.625		mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	489291.188	489291.188		mg/L
	Be	9	1.000	-0.000	-0.000009	mg/L
	V	51	3702.878	0.001	0.000018	mg/L
	Cr	52	10984.549	0.001	0.000030	mg/L
	Cr	53	566.028	0.000	0.000040	mg/L
	Co	59	75.001	-0.000	-0.000005	mg/L
	Cu	63	232.006	0.000	0.000008	mg/L
	Cu	65	129.003	0.000	0.000007	mg/L
	Zn	66	358.012	0.000	0.000074	mg/L
	Zn	68	520.024	0.000	0.000081	mg/L
>	Ge	72	323982.788	323982.788		mg/L
	As	75	733.903	-0.000	-0.000007	mg/L
	Se	77	134.003	0.000	0.000058	mg/L
	Se	82	-18.667	0.000	0.000086	mg/L
>	Rh	103	399842.636	399842.636		mg/L
	Ag	107	71.001	0.000	0.000003	mg/L
	Cd	111	-2.252	-0.000	-0.000003	mg/L
	Cd	114	8.182	-0.000	0.000001	mg/L
	Tl	203	84.001	-0.000	0.000002	mg/L
	Tl	205	141.003	-0.000	0.000002	mg/L
	Pb	208	981.036	0.001	0.000013	mg/L
>	Bi	209	352623.818	352623.818		mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	482407.816	482407.815		mg/L
	Be	9	3.000	-0.000	-0.000002	mg/L
	V	51	3529.422	-0.000	-0.000004	mg/L
	Cr	52	11025.613	0.001	0.000023	mg/L
	Cr	53	580.028	0.000	0.000030	mg/L
	Co	59	90.001	-0.000	-0.000001	mg/L
	Cu	63	247.007	0.000	0.000008	mg/L
	Cu	65	114.002	0.000	0.000001	mg/L
	Zn	66	367.014	0.000	0.000082	mg/L
	Zn	68	523.024	0.000	0.000079	mg/L
>	Ge	72	327153.526	327153.526		mg/L
	As	75	725.892	0.000	-0.000018	mg/L
	Se	77	115.002	0.000	-0.000064	mg/L
	Se	82	34.572	0.000	0.000342	mg/L
>	Rh	103	391726.726	391726.726		mg/L
	Ag	107	74.001	0.000	0.000004	mg/L
	Cd	111	2.209	-0.000	-0.000001	mg/L
	Cd	114	14.981	-0.000	-0.000000	mg/L
	Tl	203	82.001	-0.000	-0.000002	mg/L
	Tl	205	153.003	-0.000	-0.000001	mg/L
	Pb	208	983.036	0.001	0.000013	mg/L
>	Bi	209	357517.343	357517.343		mg/L

: 00664

Sample Information

Sample ID: 0B03065-SRD1
Autosampler Position: 27
Sample Date/Time: Wednesday, February 03, 2010 20:13:56
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-SRD1.029
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	501118.387	501118.387				mg/L
	Be	9	40.334	0.000	0.000122	0.000	37.238	mg/L
	V	51	72578.499	0.206	0.006178	0.000	1.738	mg/L
	Cr	52	61073.933	0.149	0.005226	0.000	3.009	mg/L
	Cr	53	6474.332	0.018	0.005232	0.000	1.516	mg/L
	Co	59	17268.027	0.051	0.001459	0.000	2.496	mg/L
	Cu	63	149480.882	0.446	0.026220	0.001	2.829	mg/L
	Cu	65	71512.015	0.213	0.025636	0.001	2.151	mg/L
	Zn	66	124333.465	0.371	0.078619	0.001	1.634	mg/L
	Zn	68	90006.458	0.268	0.078788	0.001	1.615	mg/L
>	Ge	72	334743.712	334743.712				mg/L
	As	75	6819.976	0.018	0.003096	0.000	4.099	mg/L
	Se	77	154.337	0.000	0.000163	0.000	24.979	mg/L
	Se	82	9.473	0.000	0.000215	0.000	99.042	mg/L
>	Rh	103	398914.519	398914.519				mg/L
	Ag	107	417.350	0.001	0.000036	0.000	5.670	mg/L
	Cd	111	594.250	0.001	0.000240	0.000	3.274	mg/L
	Cd	114	920.690	0.002	0.000156	0.000	3.362	mg/L
	Tl	203	407.016	0.001	0.000039	0.000	3.340	mg/L
	Tl	205	932.404	0.002	0.000039	0.000	3.598	mg/L
	Pb	208	1149408.523	3.234	0.042683	0.001	1.865	mg/L
>	Bi	209	355336.018	355336.018				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.679
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.571
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	97.811
	Ag	106.905	

: 00665

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.459

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	502404.280	502404.280		mg/L
Be	9	49.001	0.000	0.000180	mg/L
V	51	71668.026	0.208	0.006250	mg/L
Cr	52	61248.082	0.154	0.005388	mg/L
Cr	53	8301.842	0.018	0.005214	mg/L
Co	59	16981.356	0.052	0.001470	mg/L
Cu	63	147724.403	0.481	0.028530	mg/L
Cu	65	70168.639	0.214	0.025756	mg/L
Zn	66	122701.131	0.375	0.079446	mg/L
Zn	68	89534.648	0.273	0.080256	mg/L
Ge	72	326858.511	326858.511		mg/L
As	75	6850.704	0.019	0.003196	mg/L
Se	77	147.003	0.000	0.000137	mg/L
Se	82	18.273	0.000	0.000268	mg/L
Rh	103	395847.796	395847.796		mg/L
Ag	107	390.016	0.001	0.000033	mg/L
Cd	111	582.803	0.001	0.000237	mg/L
Cd	114	947.133	0.002	0.000162	mg/L
Tl	203	425.017	0.001	0.000040	mg/L
Tl	205	972.078	0.002	0.000040	mg/L
Pb	208	1146341.025	3.170	0.041847	mg/L
Bi	209	361399.818	361399.818		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	482756.617	482756.617		mg/L
Be	9	47.001	0.000	0.000147	mg/L
V	51	73488.196	0.208	0.006230	mg/L
Cr	52	61073.568	0.149	0.005186	mg/L
Cr	53	6602.116	0.018	0.005319	mg/L
Co	59	17698.075	0.052	0.001488	mg/L
Cu	63	153250.068	0.456	0.026758	mg/L
Cu	65	73186.758	0.217	0.026118	mg/L
Zn	66	125943.875	0.374	0.079273	mg/L
Zn	68	89508.218	0.266	0.077986	mg/L
Ge	72	336224.612	336224.612		mg/L
As	75	6671.092	0.017	0.002963	mg/L
Se	77	162.003	0.000	0.000210	mg/L
Se	82	-38.582	0.000	0.000019	mg/L
Rh	103	398677.663	398677.663		mg/L
Ag	107	421.017	0.001	0.000038	mg/L
Cd	111	575.744	0.001	0.000234	mg/L
Cd	114	907.536	0.002	0.000154	mg/L
Tl	203	402.015	0.001	0.000038	mg/L
Tl	205	927.089	0.002	0.000038	mg/L
Pb	208	1156536.780	3.290	0.043432	mg/L
Bi	209	351012.268	351012.268		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	508186.256	508186.256		mg/L
Be	9	25.000	0.000	0.000070	mg/L
V	51	72579.277	0.202	0.006056	mg/L
Cr	52	60800.122	0.146	0.005086	mg/L
Cr	53	8519.039	0.018	0.005163	mg/L
Co	59	17114.650	0.050	0.001418	mg/L
Cu	63	147468.187	0.432	0.025374	mg/L
Cu	65	71183.647	0.208	0.025034	mg/L
Zn	66	124356.390	0.364	0.077139	mg/L
Zn	68	90878.810	0.266	0.078123	mg/L
Ge	72	341147.014	341147.014		mg/L
As	75	7038.132	0.018	0.003139	mg/L
Se	77	154.003	0.000	0.000141	mg/L
Se	82	47.729	0.000	0.000398	mg/L
Rh	103	404318.068	404318.068		mg/L
Ag	107	441.018	0.001	0.000037	mg/L
Cd	111	624.202	0.002	0.000248	mg/L
Cd	114	907.401	0.002	0.000151	mg/L
Tl	203	394.015	0.001	0.000038	mg/L
Tl	205	898.086	0.002	0.000037	mg/L
Pb	208	1146348.784	3.240	0.042771	mg/L
Bi	209	353598.171	353598.171		mg/L

: 00666

Sample Information

Sample ID: 1000891-PS1
Autosampler Position: 28
Sample Date/Time: Wednesday, February 03, 2010 20:17:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1000891-PS1.030
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	502423.264	502423.264				mg/L
[	Be	9	6037.278	0.012	0.020007	0.000	1.782	mg/L
[	V	51	553667.822	1.619	0.048586	0.000	0.341	mg/L
[	Cr	52	439047.825	1.260	0.044050	0.001	1.561	mg/L
[	Cr	53	50855.243	0.148	0.043708	0.000	0.494	mg/L
[	Co	59	298217.175	0.878	0.024976	0.000	1.285	mg/L
[	Cu	63	803349.861	2.365	0.139025	0.001	0.552	mg/L
[	Cu	65	385606.032	1.135	0.136419	0.001	0.519	mg/L
[	Zn	66	603239.449	1.776	0.376532	0.001	0.156	mg/L
[	Zn	68	438288.472	1.289	0.379596	0.002	0.606	mg/L
[>	Ge	72	339587.308	339587.308				mg/L
[	As	75	67010.242	0.195	0.033407	0.000	0.534	mg/L
[	Se	77	2976.317	0.008	0.018847	0.001	4.692	mg/L
[	Se	82	3696.949	0.011	0.017985	0.001	3.357	mg/L
[>	Rh	103	375044.581	375044.581				mg/L
[	Ag	107	203084.880	0.541	0.020105	0.000	1.025	mg/L
[	Cd	111	49000.719	0.131	0.021235	0.000	0.924	mg/L
[	Cd	114	114493.745	0.305	0.020995	0.000	0.469	mg/L
[	Tl	203	160956.748	0.469	0.019819	0.000	0.714	mg/L
[	Tl	205	386262.117	1.126	0.020511	0.000	1.932	mg/L
[	Pb	208	5809092.243	16.939	0.223600	0.002	0.944	mg/L
[>	Bi	209	342909.677	342909.677				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	100.942
[	Be	9.012	
[	V	50.944	
[	Cr	51.941	
[	Cr	52.941	
[	Co	58.933	
[	Cu	62.930	
[	Cu	64.928	
[	Zn	65.926	
[	Zn	67.925	
[>	Ge	71.922	99.997
[	As	74.922	
[	Se	76.920	
[	Se	81.917	
[>	Rh	102.905	91.959
[	Ag	106.905	

: 00667

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

94.051

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	503926.088	503926.088		mg/L
Be	9	6149.709	0.012	0.020321	mg/L
V	51	554686.889	1.619	0.048587	mg/L
Cr	52	444863.806	1.274	0.044830	mg/L
Cr	53	51268.848	0.149	0.043863	mg/L
Co	59	297829.318	0.875	0.024887	mg/L
Cu	63	802976.712	2.356	0.138587	mg/L
Cu	65	384357.940	1.128	0.135815	mg/L
Zn	66	823988.064	1.773	0.376019	mg/L
Zn	68	441620.941	1.298	0.381488	mg/L
Ge	72	340472.982	340472.982		mg/L
As	75	97178.182	0.196	0.033404	mg/L
Se	77	3018.687	0.008	0.019064	mg/L
Se	82	3875.901	0.011	0.017837	mg/L
Rh	103	375008.456	375008.456		mg/L
Ag	107	205846.977	0.548	0.020332	mg/L
Cd	111	48875.672	0.130	0.021132	mg/L
Cd	114	115081.987	0.306	0.021056	mg/L
Tl	203	183058.780	0.472	0.019867	mg/L
Tl	205	392017.987	1.136	0.020693	mg/L
Pb	208	5798282.501	16.806	0.221832	mg/L
Bi	209	344983.341	344983.341		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	504350.543	504350.543		mg/L
Be	9	6082.650	0.012	0.020082	mg/L
V	51	566290.647	1.625	0.048780	mg/L
Cr	52	442541.378	1.269	0.044357	mg/L
Cr	53	50828.883	0.148	0.043831	mg/L
Co	59	302818.668	0.890	0.025332	mg/L
Cu	63	801663.742	2.357	0.138586	mg/L
Cu	65	386846.089	1.137	0.136896	mg/L
Zn	66	804978.708	1.779	0.377172	mg/L
Zn	68	435849.883	1.291	0.377033	mg/L
Ge	72	339087.840	339087.840		mg/L
As	75	67446.512	0.196	0.033587	mg/L
Se	77	3083.701	0.009	0.019802	mg/L
Se	82	3504.434	0.011	0.017470	mg/L
Rh	103	373884.341	373884.341		mg/L
Ag	107	200887.187	0.537	0.019929	mg/L
Cd	111	48564.411	0.130	0.021111	mg/L
Cd	114	113521.211	0.304	0.020881	mg/L
Tl	203	180887.908	0.466	0.019828	mg/L
Tl	205	381270.808	1.141	0.020798	mg/L
Pb	208	5668166.284	17.116	0.229836	mg/L
Bi	209	342811.970	342811.970		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	498983.154	498983.154		mg/L
Be	9	5679.478	0.012	0.019818	mg/L
V	51	549813.150	1.614	0.048430	mg/L
Cr	52	429748.492	1.237	0.043282	mg/L
Cr	53	50471.189	0.148	0.043541	mg/L
Co	59	293803.541	0.868	0.024708	mg/L
Cu	63	805419.128	2.360	0.139812	mg/L
Cu	65	385634.086	1.140	0.138946	mg/L
Zn	66	800753.587	1.775	0.376408	mg/L
Zn	68	437398.612	1.292	0.380268	mg/L
Ge	72	338301.321	338301.321		mg/L
As	75	66407.032	0.194	0.033231	mg/L
Se	77	2818.584	0.008	0.017874	mg/L
Se	82	3820.522	0.011	0.018850	mg/L
Rh	103	375342.946	375342.946		mg/L
Ag	107	202721.467	0.540	0.020063	mg/L
Cd	111	49662.072	0.132	0.021481	mg/L
Cd	114	114878.028	0.308	0.021049	mg/L
Tl	203	158863.567	0.408	0.019875	mg/L
Tl	205	375497.775	1.101	0.020057	mg/L
Pb	208	5750848.943	16.898	0.223032	mg/L
Bi	209	340923.721	340923.721		mg/L

00668

Sample Information

Sample ID: 1001382-07
Autosampler Position: 29
Sample Date/Time: Wednesday, February 03, 2010 20:20:40
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1001382-07.031
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

DT

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	484973.599	484973.599				mg/L
	Be	9	95.335	0.000	0.000315	0.000	8.249	mg/L
	V	51	316766.906	0.955	0.028660	0.000	0.315	mg/L
	Cr	52	207020.722	0.598	0.020925	0.000	1.377	mg/L
	Cr	53	23594.812	0.070	0.020760	0.000	1.408	mg/L
	Co	59	105093.524	0.320	0.009112	0.000	0.570	mg/L
	Cu	63	110439.449	0.336	0.019767	0.000	1.875	mg/L
	Cu	65	54772.472	0.167	0.020038	0.001	2.526	mg/L
	Zn	66	75361.256	0.229	0.048587	0.001	1.099	mg/L
	Zn	68	53367.499	0.161	0.047537	0.001	1.272	mg/L
>	Ge	72	327834.466	327834.466				mg/L
	As	75	38839.296	0.116	0.019900	0.000	1.171	mg/L
	Se	77	278.008	0.000	0.001034	0.000	5.483	mg/L
	Se	82	107.682	0.000	0.000707	0.000	14.401	mg/L
>	Rh	103	364447.973	364447.973				mg/L
	Ag	107	973.076	0.003	0.000096	0.000	9.060	mg/L
	Cd	111	1373.862	0.004	0.000617	0.000	1.291	mg/L
	Cd	114	624.571	0.002	0.000115	0.000	7.857	mg/L
	Tl	203	1277.460	0.004	0.000162	0.000	1.375	mg/L
	Tl	205	3066.689	0.009	0.000168	0.000	2.805	mg/L
	Pb	208	373921.342	1.184	0.015632	0.000	0.253	mg/L
>	Bi	209	315280.018	315280.018				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.436
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	96.536
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	89.360
	Ag	106.905	

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	86.473

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	478480.386	478480.386		mg/L
Be	9	87.001	0.000	0.000291	mg/L
V	51	319088.136	0.968	0.028728	mg/L
Cr	52	208150.382	0.590	0.020818	mg/L
Cr	53	23668.010	0.070	0.020818	mg/L
Co	59	104829.131	0.318	0.009063	mg/L
Cu	63	108884.701	0.329	0.019355	mg/L
Cu	65	53463.799	0.162	0.019456	mg/L
Zn	66	75780.728	0.229	0.046821	mg/L
Zn	68	52684.678	0.159	0.046888	mg/L
Ge	72	329470.482	329470.482		mg/L
As	75	38528.614	0.116	0.019837	mg/L
Se	77	283.008	0.000	0.001058	mg/L
Se	82	84.864	0.000	0.000691	mg/L
Rh	103	360638.566	360638.566		mg/L
Ag	107	1014.082	0.003	0.000101	mg/L
Cd	111	1352.664	0.004	0.000809	mg/L
Cd	114	590.123	0.002	0.000110	mg/L
Tl	203	1263.124	0.004	0.000158	mg/L
Tl	205	3014.688	0.009	0.000164	mg/L
Pb	208	375389.288	1.184	0.015835	mg/L
Bi	209	318451.071	318451.071		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	483774.724	483774.724		mg/L
Be	9	103.002	0.000	0.000342	mg/L
V	51	314715.076	0.962	0.028568	mg/L
Cr	52	206858.648	0.600	0.020873	mg/L
Cr	53	23088.180	0.072	0.021098	mg/L
Co	59	105080.036	0.321	0.009138	mg/L
Cu	63	110716.571	0.338	0.019874	mg/L
Cu	65	55626.567	0.170	0.020374	mg/L
Zn	66	74290.071	0.227	0.046038	mg/L
Zn	68	53398.393	0.163	0.047708	mg/L
Ge	72	326867.682	326867.682		mg/L
As	75	39070.699	0.117	0.020081	mg/L
Se	77	283.008	0.000	0.001074	mg/L
Se	82	116.083	0.000	0.000750	mg/L
Rh	103	366888.193	366888.193		mg/L
Ag	107	1027.084	0.003	0.000101	mg/L
Cd	111	1368.682	0.004	0.000806	mg/L
Cd	114	684.149	0.002	0.000126	mg/L
Tl	203	1283.128	0.004	0.000163	mg/L
Tl	205	3144.724	0.010	0.000173	mg/L
Pb	208	373130.029	1.187	0.015670	mg/L
Bi	209	313884.149	313884.149		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	492695.687	492695.687		mg/L
Be	9	96.002	0.000	0.000312	mg/L
V	51	316489.505	0.966	0.028884	mg/L
Cr	52	209052.134	0.606	0.021187	mg/L
Cr	53	23331.278	0.070	0.020565	mg/L
Co	59	105291.407	0.322	0.009147	mg/L
Cu	63	111917.075	0.341	0.020072	mg/L
Cu	65	55338.052	0.169	0.020286	mg/L
Zn	66	76002.908	0.232	0.048103	mg/L
Zn	68	53818.528	0.163	0.048040	mg/L
Ge	72	327165.038	327165.038		mg/L
As	75	38918.676	0.117	0.019983	mg/L
Se	77	266.008	0.000	0.000989	mg/L
Se	82	122.118	0.000	0.000780	mg/L
Rh	103	365838.170	365838.170		mg/L
Ag	107	878.083	0.002	0.000086	mg/L
Cd	111	1399.239	0.004	0.000820	mg/L
Cd	114	599.440	0.002	0.000110	mg/L
Tl	203	1298.129	0.004	0.000163	mg/L
Tl	205	3040.677	0.009	0.000167	mg/L
Pb	208	373244.709	1.181	0.015681	mg/L
Bi	209	315534.836	315534.836		mg/L

: 00679

Sample Information

Sample ID: 1001382-08
Autosampler Position: 30
Sample Date/Time: Wednesday, February 03, 2010 20:24:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1001382-08.032
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	467756.534	467756.534				mg/L
⌊	Be	9	113.335	0.000	0.000391	0.000	6.360	mg/L
⌈	V	51	395271.969	1.179	0.035370	0.001	2.630	mg/L
|	Cr	52	235860.150	0.677	0.023672	0.001	3.204	mg/L
|	Cr	53	27079.845	0.080	0.023577	0.001	2.947	mg/L
|	Co	59	127892.334	0.385	0.010944	0.000	2.668	mg/L
|	Cu	63	134713.510	0.405	0.023802	0.001	2.505	mg/L
|	Cu	65	66492.748	0.200	0.024013	0.001	2.666	mg/L
|	Zn	66	84487.247	0.254	0.053774	0.001	2.579	mg/L
|	Zn	68	60158.243	0.180	0.052913	0.001	1.196	mg/L
|>	Ge	72	332301.497	332301.497				mg/L
|	As	75	42697.272	0.126	0.021617	0.000	0.448	mg/L
|	Se	77	257.341	0.000	0.000870	0.000	19.713	mg/L
⌊	Se	82	65.165	0.000	0.000487	0.000	50.675	mg/L
⌈>	Rh	103	363307.081	363307.081				mg/L
|	Ag	107	955.740	0.003	0.000095	0.000	2.591	mg/L
|	Cd	111	1524.629	0.004	0.000680	0.000	4.571	mg/L
⌊	Cd	114	703.777	0.002	0.000130	0.000	3.083	mg/L
⌈	Tl	203	1617.866	0.005	0.000214	0.000	2.749	mg/L
|	Tl	205	3695.993	0.012	0.000211	0.000	1.797	mg/L
|	Pb	208	431366.568	1.408	0.018586	0.000	1.090	mg/L
⌊>	Bi	209	305984.338	305984.338				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.977
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.852
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	89.081
|	Ag	106.905	

: 90671

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

83.923

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	466832.393	466832.393		mg/L
Be	9	106.002	0.000	0.000366	mg/L
V	51	394884.688	1.198	0.035879	mg/L
Cr	52	237046.803	0.681	0.024170	mg/L
Cr	53	26966.048	0.081	0.023827	mg/L
Co	59	125626.336	0.384	0.010912	mg/L
Cu	63	134690.378	0.411	0.024158	mg/L
Cu	65	67356.784	0.205	0.024663	mg/L
Zn	66	84962.167	0.258	0.054880	mg/L
Zn	68	59061.629	0.178	0.052758	mg/L
Ge	72	327279.087	327279.087		mg/L
As	75	42193.661	0.127	0.021680	mg/L
Se	77	272.008	0.000	0.000998	mg/L
Se	82	28.000	0.000	0.000309	mg/L
Rh	103	364504.607	364504.607		mg/L
Ag	107	941.071	0.003	0.000083	mg/L
Cd	111	1473.083	0.004	0.000666	mg/L
Cd	114	682.535	0.002	0.000128	mg/L
Tl	203	1673.213	0.006	0.000221	mg/L
Tl	205	3702.997	0.012	0.000211	mg/L
Pb	208	428196.886	1.392	0.018378	mg/L
Bi	209	307183.448	307183.448		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	469289.507	469289.507		mg/L
Be	9	120.002	0.000	0.000414	mg/L
V	51	392229.409	1.143	0.034297	mg/L
Cr	52	232832.193	0.652	0.022798	mg/L
Cr	53	26800.482	0.077	0.022781	mg/L
Co	59	127548.999	0.375	0.010669	mg/L
Cu	63	133840.619	0.393	0.023113	mg/L
Cu	65	66351.411	0.196	0.023421	mg/L
Zn	66	83949.276	0.248	0.052222	mg/L
Zn	68	60807.182	0.178	0.052372	mg/L
Ge	72	339863.475	339853.475		mg/L
As	75	43452.138	0.128	0.021507	mg/L
Se	77	234.006	0.000	0.000875	mg/L
Se	82	124.448	0.000	0.000788	mg/L
Rh	103	364828.538	364828.538		mg/L
Ag	107	987.078	0.003	0.000087	mg/L
Cd	111	1608.871	0.004	0.000718	mg/L
Cd	114	724.566	0.002	0.000134	mg/L
Tl	203	1606.198	0.006	0.000211	mg/L
Tl	205	3856.972	0.011	0.000207	mg/L
Pb	208	433958.588	1.409	0.018598	mg/L
Bi	209	307802.784	307802.784		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	465347.703	465347.703		mg/L
Be	9	114.002	0.000	0.000398	mg/L
V	51	398801.828	1.198	0.035835	mg/L
Cr	52	237701.754	0.688	0.024048	mg/L
Cr	53	27481.037	0.082	0.024111	mg/L
Co	59	130502.667	0.396	0.011250	mg/L
Cu	63	135809.536	0.411	0.024136	mg/L
Cu	65	65768.048	0.199	0.023926	mg/L
Zn	66	84560.308	0.256	0.054210	mg/L
Zn	68	60485.618	0.182	0.053808	mg/L
Ge	72	329771.929	329771.929		mg/L
As	75	42448.018	0.129	0.021854	mg/L
Se	77	266.008	0.000	0.000841	mg/L
Se	82	43.048	0.000	0.000363	mg/L
Rh	103	360588.101	360588.101		mg/L
Ag	107	939.071	0.003	0.000084	mg/L
Cd	111	1491.933	0.004	0.000670	mg/L
Cd	114	704.201	0.002	0.000131	mg/L
Tl	203	1576.189	0.005	0.000210	mg/L
Tl	205	3729.010	0.012	0.000215	mg/L
Pb	208	431944.250	1.423	0.018782	mg/L
Bi	209	303186.802	303186.802		mg/L

00672

Sample Information

Sample ID: 1001382-09
Autosampler Position: 31
Sample Date/Time: Wednesday, February 03, 2010 20:29:06
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1001382-09.033
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	497185.111	497185.111				mg/L
⌊	Be	9	456.686	0.001	0.001518	0.000	4.269	mg/L
⌈	V	51	267515.858	0.763	0.022905	0.000	0.725	mg/L
|	Cr	52	234018.070	0.644	0.022533	0.000	0.718	mg/L
|	Cr	53	26262.119	0.074	0.021957	0.000	1.163	mg/L
|	Co	59	116714.025	0.338	0.009604	0.000	0.356	mg/L
|	Cu	63	253836.486	0.734	0.043153	0.001	2.242	mg/L
|	Cu	65	123786.677	0.358	0.043023	0.000	0.244	mg/L
|	Zn	66	125450.984	0.362	0.076855	0.001	0.812	mg/L
|	Zn	68	94370.371	0.272	0.080050	0.002	2.466	mg/L
|>	Ge	72	345441.468	345441.468				mg/L
|	As	75	39267.175	0.111	0.019076	0.000	1.891	mg/L
|	Se	77	378.014	0.001	0.001589	0.000	13.898	mg/L
⌊	Se	82	248.618	0.001	0.001346	0.000	4.735	mg/L
⌈>	Rh	103	389998.661	389998.661				mg/L
|	Ag	107	1399.151	0.004	0.000130	0.000	5.731	mg/L
|	Cd	111	1987.293	0.005	0.000826	0.000	4.640	mg/L
⌊	Cd	114	2297.392	0.006	0.000402	0.000	3.099	mg/L
⌈	Tl	203	2343.741	0.006	0.000274	0.000	0.281	mg/L
|	Tl	205	5449.800	0.015	0.000275	0.000	1.739	mg/L
|	Pb	208	1176188.524	3.368	0.044463	0.001	1.461	mg/L
⌊>	Bi	209	349031.116	349031.116				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	99.889
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	101.721
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	95.625
|	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

95.730

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	496880 186	496880 186		mg/L
Be	9	458 019	0 001	0 001527	mg/L
V	51	271628 471	0 787	0 023018	mg/L
Cr	52	234698 834	0 639	0 022381	mg/L
Cr	53	26282 528	0 074	0 021737	mg/L
Co	59	117496 885	0 338	0 008687	mg/L
Cu	63	259213 125	0 748	0 043810	mg/L
Cu	65	124821 418	0 357	0 042928	mg/L
Zn	66	125832 480	0 358	0 076153	mg/L
Zn	68	92703 620	0 264	0 077789	mg/L
Ge	72	348107 208	348107 208		mg/L
As	75	39983 098	0 112	0 018224	mg/L
Se	77	365 013	0 001	0 001478	mg/L
Se	82	265 250	0 001	0 001412	mg/L
Rh	103	393831 792	393831 792		mg/L
Ag	107	1473 187	0 004	0 000136	mg/L
Cd	111	1938 586	0 006	0 000787	mg/L
Cd	114	2285 667	0 006	0 000396	mg/L
Tl	203	2372 418	0 008	0 000274	mg/L
Tl	205	5456 138	0 015	0 000272	mg/L
Pb	208	1163737 118	3 343	0 044134	mg/L
Bi	209	353882 908	353882 908		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	503138 434	503138 434		mg/L
Be	9	460 021	0 001	0 001577	mg/L
V	51	286184 076	0 787	0 022714	mg/L
Cr	52	234437 484	0 646	0 022588	mg/L
Cr	53	26181 156	0 074	0 021897	mg/L
Co	59	117018 929	0 339	0 008634	mg/L
Cu	63	257524 652	0 746	0 043607	mg/L
Cu	65	123685 908	0 358	0 043008	mg/L
Zn	66	125744 406	0 363	0 077088	mg/L
Zn	68	95984 157	0 277	0 081429	mg/L
Ge	72	345273 401	345273 401		mg/L
As	75	39773 394	0 113	0 019338	mg/L
Se	77	356 012	0 001	0 001446	mg/L
Se	82	247 381	0 001	0 001342	mg/L
Rh	103	388839 740	388839 740		mg/L
Ag	107	1418 156	0 004	0 000133	mg/L
Cd	111	1938 421	0 006	0 000812	mg/L
Cd	114	2358 722	0 006	0 000417	mg/L
Tl	203	2343 408	0 007	0 000278	mg/L
Tl	205	5536 200	0 015	0 000281	mg/L
Pb	208	1161400 457	3 337	0 044044	mg/L
Bi	209	347888 858	347888 858		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	491535 706	491535 706		mg/L
Be	9	431 017	0 001	0 001446	mg/L
V	51	265737 027	0 766	0 022887	mg/L
Cr	52	232917 922	0 648	0 022662	mg/L
Cr	53	26322 675	0 076	0 022237	mg/L
Co	59	115625 481	0 336	0 008612	mg/L
Cu	63	244771 881	0 715	0 042042	mg/L
Cu	65	122652 706	0 356	0 043136	mg/L
Zn	66	124876 088	0 365	0 077344	mg/L
Zn	68	94453 337	0 275	0 080853	mg/L
Ge	72	341943 797	341943 797		mg/L
As	75	38048 035	0 109	0 018664	mg/L
Se	77	413 016	0 001	0 001843	mg/L
Se	82	233 273	0 001	0 001286	mg/L
Rh	103	389324 453	389324 453		mg/L
Ag	107	1308 133	0 003	0 000122	mg/L
Cd	111	2087 881	0 006	0 000870	mg/L
Cd	114	2248 788	0 006	0 000384	mg/L
Tl	203	2315 398	0 008	0 000274	mg/L
Tl	205	5357 082	0 015	0 000274	mg/L
Pb	208	1163428 000	3 425	0 045211	mg/L
Bi	209	345341 582	345341 582		mg/L

00574

Sample Information

Sample ID: 0B03065-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, February 03, 2010 20:32:28
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-CCV.034
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	483595.225	483595.225				mg/L
⌊	Be	9	11549.780	0.024	0.039782	0.001	1.449	mg/L
⌈	V	51	436142.905	1.298	0.038946	0.001	2.975	mg/L
|	Cr	52	382183.748	1.114	0.038954	0.001	3.232	mg/L
|	Cr	53	43962.312	0.130	0.038452	0.001	1.447	mg/L
|	Co	59	463885.475	1.392	0.039599	0.001	1.820	mg/L
|	Cu	63	229065.776	0.687	0.040377	0.001	2.275	mg/L
|	Cu	65	110232.541	0.331	0.039719	0.001	2.119	mg/L
|	Zn	66	61516.154	0.184	0.038985	0.001	1.995	mg/L
|	Zn	68	45211.755	0.134	0.039558	0.001	1.339	mg/L
|>	Ge	72	333246.000	333246.000				mg/L
|	As	75	79939.074	0.238	0.040694	0.000	0.806	mg/L
|	Se	77	5964.883	0.018	0.039405	0.000	1.128	mg/L
⌊	Se	82	8060.687	0.024	0.039757	0.001	1.436	mg/L
⌈>	Rh	103	395031.798	395031.798				mg/L
|	Ag	107	433885.999	1.098	0.040790	0.001	1.720	mg/L
|	Cd	111	97499.193	0.247	0.040116	0.000	0.056	mg/L
⌊	Cd	114	226626.296	0.574	0.039467	0.001	2.305	mg/L
⌈	Tl	203	335349.786	0.947	0.040007	0.000	0.570	mg/L
|	Tl	205	790265.432	2.232	0.040658	0.001	1.543	mg/L
|	Pb	208	1060328.960	2.993	0.039512	0.000	0.124	mg/L
⌊>	Bi	209	354028.851	354028.851				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.159
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.130
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	96.859
|	Ag	106.905	

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.100

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	480700.179	480700.179		mg/L
Be	9	11446.278	0.024	0.039881	mg/L
V	51	440844.256	1.296	0.039881	mg/L
Cr	52	388008.883	1.116	0.039025	mg/L
Cr	53	44004.871	0.129	0.037976	mg/L
Co	59	473889.874	1.403	0.039923	mg/L
Cu	63	231586.950	0.686	0.040283	mg/L
Cu	65	110681.575	0.327	0.039341	mg/L
Zn	66	61324.736	0.181	0.038356	mg/L
Zn	68	45234.228	0.133	0.039051	mg/L
Ge	72	337848.488	337848.488		mg/L
As	75	80978.086	0.238	0.040688	mg/L
Se	77	5999.979	0.017	0.039112	mg/L
Se	82	8103.825	0.024	0.039444	mg/L
Rh	103	388516.188	388516.188		mg/L
Ag	107	435263.932	1.120	0.041599	mg/L
Cd	111	95849.613	0.247	0.040140	mg/L
Cd	114	228302.938	0.588	0.040418	mg/L
Tl	203	337888.134	0.963	0.040288	mg/L
Tl	205	803530.084	2.298	0.041290	mg/L
Pb	208	1061947.197	2.984	0.039823	mg/L
Bi	209	354486.777	354486.777		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	466832.371	466832.371		mg/L
Be	9	11479.332	0.024	0.039278	mg/L
V	51	425807.238	1.261	0.037837	mg/L
Cr	52	371666.978	1.077	0.037881	mg/L
Cr	53	44030.870	0.130	0.038318	mg/L
Co	59	456381.743	1.363	0.038774	mg/L
Cu	63	225230.103	0.672	0.039509	mg/L
Cu	65	109133.470	0.326	0.039132	mg/L
Zn	66	63174.773	0.188	0.039856	mg/L
Zn	68	45379.146	0.134	0.039814	mg/L
Ge	72	334798.824	334798.824		mg/L
As	75	80953.663	0.239	0.041026	mg/L
Se	77	6068.838	0.018	0.039816	mg/L
Se	82	8028.621	0.024	0.039411	mg/L
Rh	103	401105.313	401105.313		mg/L
Ag	107	439858.307	1.089	0.040423	mg/L
Cd	111	98948.114	0.247	0.040086	mg/L
Cd	114	225125.775	0.561	0.039802	mg/L
Tl	203	333512.786	0.944	0.039882	mg/L
Tl	205	778708.163	2.196	0.040038	mg/L
Pb	208	1056811.425	2.989	0.039458	mg/L
Bi	209	353367.247	353367.247		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	483253.128	483253.128		mg/L
Be	9	11723.730	0.024	0.040408	mg/L
V	51	441577.222	1.338	0.040148	mg/L
Cr	52	384875.808	1.149	0.040176	mg/L
Cr	53	43861.884	0.132	0.039084	mg/L
Co	59	461404.808	1.408	0.040101	mg/L
Cu	63	230371.275	0.703	0.041338	mg/L
Cu	65	110912.578	0.339	0.040683	mg/L
Zn	66	60048.953	0.183	0.038747	mg/L
Zn	68	45021.881	0.136	0.040108	mg/L
Ge	72	327292.690	327292.690		mg/L
As	75	77885.474	0.236	0.040370	mg/L
Se	77	5826.434	0.017	0.039186	mg/L
Se	82	8049.613	0.026	0.040416	mg/L
Rh	103	395473.911	395473.911		mg/L
Ag	107	429735.758	1.087	0.040348	mg/L
Cd	111	97599.861	0.247	0.040113	mg/L
Cd	114	226480.178	0.573	0.039383	mg/L
Tl	203	334587.440	0.944	0.039888	mg/L
Tl	205	790587.070	2.231	0.040848	mg/L
Pb	208	1062128.258	2.998	0.039564	mg/L
Bi	209	354252.529	354252.529		mg/L

: 00676

Sample Information

Sample ID: 0B03065-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, February 03, 2010 20:35:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-CCB.035
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	473135.568	473135.568				mg/L
	Be	9	3.000	-0.000	-0.000002	0.000	199.196	mg/L
	V	51	3719.477	0.000	0.000008	0.000	87.030	mg/L
	Cr	52	11356.134	0.001	0.000039	0.000	58.686	mg/L
	Cr	53	518.024	-0.000	-0.000015	0.000	187.254	mg/L
	Co	59	106.335	-0.000	-0.000000	0.000	253.868	mg/L
	Cu	63	218.006	0.000	0.000002	0.000	115.597	mg/L
	Cu	65	129.002	0.000	0.000006	0.000	89.360	mg/L
	Zn	66	370.013	0.000	0.000077	0.000	15.738	mg/L
	Zn	68	518.024	0.000	0.000067	0.000	13.682	mg/L
>	Ge	72	332541.544	332541.544				mg/L
	As	75	668.712	-0.000	-0.000051	0.000	81.175	mg/L
	Se	77	129.336	0.000	0.000001	0.000	11318.405	mg/L
	Se	82	-0.519	0.000	0.000165	0.000	131.277	mg/L
>	Rh	103	396482.286	396482.286				mg/L
	Ag	107	258.007	0.001	0.000021	0.000	30.093	mg/L
	Cd	111	9.927	0.000	0.000002	0.000	90.160	mg/L
	Cd	114	26.340	0.000	0.000002	0.000	68.670	mg/L
	Tl	203	103.002	0.000	0.000003	0.000	65.469	mg/L
	Tl	205	245.007	0.000	0.000004	0.000	31.404	mg/L
	Pb	208	959.368	0.001	0.000012	0.000	12.855	mg/L
>	Bi	209	354806.946	354806.946				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.057
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.922
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	97.215
	Ag	106.905	

: 00577

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	97.314

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	468711.329	468711.329		mg/L
Be	9	2.000	-0.000	-0.000005	mg/L
V	51	3786.551	0.000	0.000008	mg/L
Cr	52	11278.009	0.001	0.000018	mg/L
Cr	53	504.023	-0.000	-0.000032	mg/L
Co	59	110.002	0.000	0.000000	mg/L
Cu	63	236.006	0.000	0.000006	mg/L
Cu	65	129.002	0.000	0.000005	mg/L
Zn	66	372.013	0.000	0.000078	mg/L
Zn	68	531.025	0.000	0.000074	mg/L
Ge	72	335778.333	335778.333		mg/L
As	75	733.675	-0.000	-0.000020	mg/L
Se	77	138.003	0.000	0.000050	mg/L
Se	82	-7.658	0.000	0.000132	mg/L
Rh	103	398936.815	398936.815		mg/L
Ag	107	328.011	0.001	0.000028	mg/L
Cd	111	13.433	0.000	0.000003	mg/L
Cd	114	25.073	0.000	0.000001	mg/L
Tl	203	117.003	0.000	0.000006	mg/L
Tl	206	265.008	0.000	0.000005	mg/L
Pb	208	971.036	0.001	0.000013	mg/L
Bi	209	351157.133	351157.133		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	474412.946	474412.946		mg/L
Be	9	3.000	-0.000	-0.000002	mg/L
V	51	3733.726	0.000	0.000014	mg/L
Cr	52	11418.233	0.002	0.000063	mg/L
Cr	53	546.028	0.000	0.000017	mg/L
Co	59	108.002	0.000	0.000000	mg/L
Cu	63	209.006	0.000	0.000001	mg/L
Cu	65	142.003	0.000	0.000011	mg/L
Zn	66	384.014	0.000	0.000088	mg/L
Zn	68	514.024	0.000	0.000070	mg/L
Ge	72	327514.521	327514.521		mg/L
As	75	568.330	-0.001	-0.000066	mg/L
Se	77	138.003	0.000	0.000073	mg/L
Se	82	-40.449	-0.000	-0.000033	mg/L
Rh	103	400287.277	400287.277		mg/L
Ag	107	258.007	0.001	0.000021	mg/L
Cd	111	11.150	0.000	0.000002	mg/L
Cd	114	33.707	0.000	0.000003	mg/L
Tl	203	106.002	0.000	0.000003	mg/L
Tl	206	243.007	0.000	0.000003	mg/L
Pb	208	988.036	0.001	0.000013	mg/L
Bi	209	354975.117	354975.117		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	478282.430	478282.430		mg/L
Be	9	4.000	0.000	0.000002	mg/L
V	51	3658.154	0.000	0.000001	mg/L
Cr	52	11372.159	0.001	0.000034	mg/L
Cr	53	504.023	0.000	-0.000030	mg/L
Co	59	101.002	-0.000	-0.000001	mg/L
Cu	63	209.006	0.000	0.000000	mg/L
Cu	65	116.002	0.000	0.000001	mg/L
Zn	66	354.012	0.000	0.000068	mg/L
Zn	68	508.023	0.000	0.000067	mg/L
Ge	72	334331.779	334331.779		mg/L
As	75	704.131	-0.000	-0.000034	mg/L
Se	77	112.002	-0.000	0.000121	mg/L
Se	82	46.549	0.000	0.000397	mg/L
Rh	103	392222.788	392222.788		mg/L
Ag	107	191.004	0.000	0.000015	mg/L
Cd	111	5.198	0.000	0.000000	mg/L
Cd	114	20.239	0.000	0.000001	mg/L
Tl	203	87.001	0.000	0.000001	mg/L
Tl	206	227.006	0.000	0.000002	mg/L
Pb	208	921.032	0.001	0.000010	mg/L
Bi	209	358288.590	358288.590		mg/L

: 00678

Sample Information

Sample ID: 1001382-01
Autosampler Position: 32
Sample Date/Time: Wednesday, February 03, 2010 20:43:41
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1001382-01.036
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

XC

Pr

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	484875.836	-12860.784				mg/L
⌈	Cr	52	70470.968	0.180	0.006285	0.000	0.474	mg/L
|	Cr	53	7699.892	0.022	0.006386	0.000	1.808	mg/L
|	Cu	63	59152.177	0.178	0.010464	0.000	1.065	mg/L
|	Cu	65	28537.531	0.086	0.010315	0.000	1.887	mg/L
|	Zn	66	52599.219	0.158	0.033526	0.001	2.762	mg/L
|	Zn	68	38669.474	0.115	0.033993	0.001	2.890	mg/L
| >	Ge	72	331149.469	331149.469				mg/L
⌊	As	75	10705.788	0.030	0.005143	0.000	1.766	mg/L
	Rh	103	392328.311	-15512.163				mg/L
⌈	Pb	208	594413.754	1.668	0.022018	0.000	1.313	mg/L
⌊ >	Bi	209	356004.920	356004.920				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	Cr	51.941	
|	Cr	52.941	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
| >	Ge	71.922	97.512
⌊	As	74.922	
	Rh	102.905	
⌈	Pb	207.977	
⌊ >	Bi	208.980	97.642

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	481150.007	-16586.614		mg/L
⌈	Cr	52	70842.261	0.179	0.006271	mg/L
|	Cr	53	7632.152	0.021	0.006287	mg/L
|	Cu	63	58987.150	0.178	0.010345	mg/L
|	Cu	65	28833.772	0.088	0.010368	mg/L
|	Zn	66	51839.946	0.154	0.032781	mg/L
|	Zn	68	37726.746	0.112	0.032882	mg/L
| >	Ge	72	334015.482	334015.482		mg/L
⌊	As	75	10888.800	0.030	0.005179	mg/L
	Rh	103	408228.408	387.932		mg/L
⌈	Pb	208	601827.668	1.887	0.022268	mg/L
⌊ >	Bi	209	356360.626	356360.626		mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Li	6	489403.484	8333.136		mg/L

: 30679

[	Cr	52	70411 039	0 181	0 008330	mg/L
I	Cr	53	7857 189	0 022	0 008384	mg/L
I	Cu	63	58388 642	0 180	0 010568	mg/L
I	Cu	65	27789 229	0 084	0 010088	mg/L
I	Zn	66	51827 587	0 157	0 033275	mg/L
I	Zn	68	39010 827	0 117	0 034481	mg/L
I>	Ge	72	328346 976	328346 976		mg/L
L	As	75	10776 642	0 030	0 005210	mg/L
	Rh	103	387756 508	-20083 988		mg/L
[	Pb	208	582367 628	1 644	0 021702	mg/L
I>	Bi	209	358910 184	358910 184		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	484074 018	-13662 802		mg/L
[Cr	52	70066 808	0 179	0 008298	mg/L
I Cr	53	7800 336	0 022	0 008497	mg/L
I Cu	63	58070 836	0 178	0 010483	mg/L
I Cu	65	28889 883	0 087	0 010477	mg/L
I Zn	66	54031 124	0 163	0 034552	mg/L
I Zn	68	39271 061	0 118	0 034638	mg/L
I> Ge	72	330086 849	330086 849		mg/L
L As	75	10472 122	0 029	0 005040	mg/L
Rh	103	381000 021	-26840 453		mg/L
[Pb	208	589056 887	1 673	0 022082	mg/L
I> Bi	209	351743 982	351743 982		mg/L

Sample ID: 1001382-01
Report Date/Time: Wednesday, February 03, 2010 20:44:39

Sample Information

Sample ID: 1001382-01
Autosampler Position: 33
Sample Date/Time: Wednesday, February 03, 2010 20:46:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1001382-01.037
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

x2

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	499477.865	1741.245				mg/L
⌈	Cr	52	159220.623	0.448	0.015657	0.000	0.723	mg/L
|	Cr	53	18245.127	0.053	0.015780	0.000	0.998	mg/L
|	Cu	63	143341.775	0.432	0.025411	0.000	1.552	mg/L
|	Cu	65	69149.469	0.209	0.025056	0.000	1.765	mg/L
|	Zn	66	126857.884	0.382	0.081085	0.001	1.670	mg/L
|	Zn	68	94003.464	0.283	0.083194	0.001	1.573	mg/L
|>	Ge	72	331151.220	331151.220				mg/L
⌊	As	75	25849.805	0.076	0.012979	0.000	2.403	mg/L
	Rh	103	383879.422	-23961.052				mg/L
⌈	Pb	208	1474687.876	4.136	0.054597	0.000	0.536	mg/L
⌊>	Bi	209	356405.745	356405.745				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	Cr	51.941	
|	Cr	52.941	
|	Cu	62.930	
⌊	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.513
⌊	As	74.922	
	Rh	102.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	97.752

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	506448.216	7711.595		mg/L
⌈	Cr	52	160038.540	0.444	0.015537	mg/L
|	Cr	53	18586.336	0.054	0.015873	mg/L
|	Cu	63	142873.157	0.425	0.025001	mg/L
|	Cu	65	68744.910	0.206	0.024588	mg/L
|	Zn	66	126357.082	0.378	0.079721	mg/L
|	Zn	68	93539.386	0.278	0.081708	mg/L
|>	Ge	72	336432.642	336432.642		mg/L
⌊	As	75	25534.372	0.074	0.012848	mg/L
	Rh	103	383288.837	-24553.837		mg/L
⌈	Pb	208	1471087.028	4.117	0.054361	mg/L
⌊>	Bi	209	357129.648	357129.648		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	497758.361	22.741		mg/L

: 00681

[	Cr	52	159021.228	0.449	0.015714	mg/L
I	Cr	53	18257.486	0.064	0.015888	mg/L
I	Cu	63	142888.077	0.433	0.025444	mg/L
I	Cu	65	68084.300	0.208	0.025115	mg/L
I	Zn	66	126308.193	0.382	0.081103	mg/L
I	Zn	68	94148.347	0.284	0.083707	mg/L
I>	Ge	72	329588.177	329588.177		mg/L
L	As	75	26278.903	0.077	0.013283	mg/L
	Rh	103	388587.919	-19257.566		mg/L
[	Pb	208	1490294.243	4.130	0.064819	mg/L
I>	Bi	209	360881.662	360881.662		mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Li	6	486228.020	-2510.801		mg/L
[	Cr	52	158604.102	0.450	0.015730	mg/L
I	Cr	53	17881.568	0.063	0.015888	mg/L
I	Cu	63	144283.080	0.439	0.025788	mg/L
I	Cu	65	68709.188	0.212	0.025466	mg/L
I	Zn	66	127510.379	0.388	0.082426	mg/L
I	Zn	68	94328.678	0.288	0.084188	mg/L
I>	Ge	72	329422.843	329422.843		mg/L
L	As	75	25736.141	0.076	0.013029	mg/L
	Rh	103	379763.711	-28078.784		mg/L
[	Pb	208	1462872.368	4.151	0.054830	mg/L
I>	Bi	209	351406.934	351406.934		mg/L

: 00682

Sample Information

Sample ID: 1001382-02
Autosampler Position: 34
Sample Date/Time: Wednesday, February 03, 2010 20:49:01
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1001382-02.038
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	491989.351	-5747.270				mg/L
⌈	Cr	52	72448.624	0.185	0.006478	0.000	1.613	mg/L
|	Cr	53	7764.629	0.022	0.006429	0.000	1.703	mg/L
|	Cu	63	72214.635	0.217	0.012756	0.000	2.022	mg/L
|	Cu	65	34522.920	0.104	0.012461	0.000	2.064	mg/L
|	Zn	66	57984.371	0.174	0.036898	0.001	2.866	mg/L
|	Zn	68	43811.745	0.131	0.038482	0.001	2.549	mg/L
|>	Ge	72	331868.902	331868.902				mg/L
⌊	As	75	11697.211	0.033	0.005643	0.000	0.390	mg/L
	Rh	*103*	*395267.791*	*-12572.683*				*mg/L*
⌈	Pb	208	737563.814	2.082	0.027484	0.000	0.818	mg/L
⌊>	Bi	209	353967.135	353967.135				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	Cr	51.941	
|	Cr	52.941	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.724
⌊	As	74.922	
	Rh	102.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	97.084

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	493913.849	-3822.971		mg/L
|	Cr	52	72144.222	0.182	0.006383	mg/L
|	Cr	53	7714.241	0.021	0.006308	mg/L
|	Cu	63	71562.408	0.213	0.012501	mg/L
|	Cu	65	34397.970	0.102	0.012279	mg/L
|	Zn	66	56725.922	0.168	0.035881	mg/L
|	Zn	68	43035.686	0.127	0.037371	mg/L
|>	Ge	72	335631.110	335631.110		mg/L
⌊	As	75	11632.727	0.033	0.005646	mg/L
	Rh	103	391027.838	-16812.636		mg/L
⌈	Pb	208	746980.002	2.074	0.027379	mg/L
⌊>	Bi	209	359848.461	359848.461		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	500682.487	2825.848		mg/L

: 00683

	Cr	52	72988.833	0.188	0.006588	mg/L
	Cr	53	7829.387	0.022	0.008523	mg/L
	Cu	63	71812.908	0.217	0.012751	mg/L
	Cu	65	35151.633	0.106	0.012756	mg/L
	Zn	66	58883.297	0.176	0.037886	mg/L
	Zn	68	43887.537	0.132	0.038846	mg/L
IS	Ge	72	330117.351	330117.351		mg/L
	As	75	11580.235	0.033	0.005619	mg/L
	Rh	103	402018.578	5821.886		mg/L
	Pb	208	734800.576	2.071	0.027331	mg/L
IS	Bi	209	354628.818	354628.818		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	481491.937	-16244.684		mg/L
Cr	52	72302.818	0.188	0.008608	mg/L
Cr	53	7750.280	0.022	0.008456	mg/L
Cu	63	73288.562	0.221	0.013017	mg/L
Cu	65	34018.156	0.103	0.012349	mg/L
Zn	66	56343.683	0.170	0.037337	mg/L
Zn	68	44402.023	0.133	0.039228	mg/L
Ge	72	329868.248	329868.248		mg/L
As	75	11668.871	0.033	0.005683	mg/L
Rh	103	392758.867	-15083.517		mg/L
Pb	208	731200.863	2.102	0.027742	mg/L
Bi	209	347624.437	347624.437		mg/L

Sample Information

Sample ID: 1001382-03
Autosampler Position: 35
Sample Date/Time: Wednesday, February 03, 2010 20:51:41
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1001382-03.039
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

x25

Dr

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	487710.733	-10025.887				mg/L
⌈	Cr	52	76803.546	0.200	0.006996	0.000	3.243	mg/L
|	Cr	53	8442.405	0.024	0.007085	0.000	2.507	mg/L
|	Cu	63	193052.695	0.585	0.034403	0.000	0.799	mg/L
|	Cu	65	91813.913	0.278	0.033447	0.001	1.851	mg/L
|	Zn	66	92022.612	0.279	0.059065	0.001	1.807	mg/L
|	Zn	68	65912.041	0.199	0.058504	0.001	1.643	mg/L
|>	Ge	72	329529.469	329529.469				mg/L
⌊	As	75	3439.196	0.008	0.001393	0.000	2.360	mg/L
	Rh	103	397665.155	-10175.320				mg/L
⌈	Pb	208	1805723.438	5.140	0.067854	0.001	1.583	mg/L
⌊>	Bi	209	351230.928	351230.928				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	Cr	51.941	
|	Cr	52.941	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.035
⌊	As	74.922	
	Rh	102.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	96.333

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	492172.388	-5584.232		mg/L
⌈	Cr	52	76287.985	0.196	0.006851	mg/L
|	Cr	53	8478.113	0.024	0.007033	mg/L
|	Cu	63	194329.929	0.583	0.034249	mg/L
|	Cu	65	91175.119	0.273	0.032648	mg/L
|	Zn	66	91117.389	0.273	0.057833	mg/L
|	Zn	68	65817.417	0.197	0.057837	mg/L
|>	Ge	72	333179.788	333179.788		mg/L
⌊	As	75	3467.311	0.008	0.001398	mg/L
	Rh	103	393503.412	-14337.082		mg/L
⌈	Pb	208	1804782.369	5.070	0.066923	mg/L
⌊>	Bi	209	355856.342	355856.342		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	486763.934	-10972.686		mg/L

00685

Sample Information

Sample ID: 1001382-03
Autosampler Position: 36
Sample Date/Time: Wednesday, February 03, 2010 20:54:22
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1001382-03.040
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

X10

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	493926.695	-3809.925				mg/L
⌈	Cr	52	178001.457	0.501	0.017522	0.000	2.171	mg/L
|	Cr	53	20840.238	0.061	0.017976	0.000	2.556	mg/L
|	Cu	63	475278.593	1.426	0.083811	0.003	3.061	mg/L
|	Cu	65	224966.745	0.675	0.081076	0.001	1.143	mg/L
|	Zn	66	226525.816	0.679	0.143987	0.003	1.787	mg/L
|	Zn	68	161922.561	0.484	0.142641	0.000	0.288	mg/L
\>	Ge	72	333306.328	333306.328				mg/L
⌊	As	75	7487.711	0.020	0.003453	0.000	1.287	mg/L
	Rh	103	390689.105	-17151.369				mg/L
⌈	Pb	208	4296438.847	12.453	0.164381	0.003	1.831	mg/L
⌊>	Bi	209	345051.539	345051.539				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	Cr	51.941	
|	Cr	52.941	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
\>	Ge	71.922	98.148
⌊	As	74.922	
	Rh	102.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	94.638

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	491537.848	6198.778		mg/L
⌈	Cr	52	178753.956	0.469	0.017085	mg/L
|	Cr	53	20599.868	0.056	0.017463	mg/L
|	Cu	63	466436.394	1.378	0.080888	mg/L
|	Cu	65	226215.530	0.687	0.080183	mg/L
|	Zn	66	225989.841	0.668	0.141277	mg/L
|	Zn	68	164258.822	0.483	0.142338	mg/L
\>	Ge	72	338824.258	338824.258		mg/L
⌊	As	75	7578.980	0.020	0.003437	mg/L
	Rh	103	393676.975	-14183.899		mg/L
⌈	Pb	208	4309465.543	12.214	0.161228	mg/L
⌊>	Bi	209	352779.218	352779.218		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	501425.998	3689.378		mg/L

00687

	Cr	52	179378.188	0.508	0.017898	mg/L
	Cr	53	21223.686	0.082	0.016349	mg/L
	Cu	63	480476.879	1.444	0.084888	mg/L
	Cu	65	227212.444	0.683	0.082041	mg/L
	Zn	66	228582.195	0.680	0.144295	mg/L
	Zn	68	161434.281	0.484	0.142477	mg/L
	Ge	72	332853.048	332853.048		mg/L
	As	75	7570.729	0.020	0.003504	mg/L
	Rh	103	384828.907	-22911.987		mg/L
	Pb	208	4284584.948	12.478	0.164882	mg/L
	Bi	209	343386.641	343386.641		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	488618.242	-8620.379		mg/L
Cr	52	177872.217	0.508	0.017781	mg/L
Cr	53	20897.149	0.081	0.016117	mg/L
Cu	63	478922.508	1.458	0.085678	mg/L
Cu	65	221472.281	0.674	0.080993	mg/L
Zn	66	226986.712	0.690	0.146398	mg/L
Zn	68	160084.599	0.486	0.143108	mg/L
Ge	72	328441.679	328441.679		mg/L
As	75	7313.423	0.020	0.003420	mg/L
Rh	103	393462.233	-14378.241		mg/L
Pb	208	4295256.048	12.668	0.167224	mg/L
Bi	209	339009.758	339009.758		mg/L

: 00688

Sample Information

Sample ID: 1001382-03
Autosampler Position: 37
Sample Date/Time: Wednesday, February 03, 2010 20:57:04
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1001382-03.041
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

X5

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	507557.189	9820.569				mg/L
[	Cr	52	345272.151	0.987	0.034528	0.001	2.185	mg/L
|	Cr	53	40830.797	0.119	0.035128	0.001	2.028	mg/L
|	Cu	63	937767.837	2.771	0.162866	0.002	1.196	mg/L
|	Cu	65	449941.878	1.329	0.159750	0.001	0.463	mg/L
|	Zn	66	444767.245	1.314	0.278586	0.004	1.425	mg/L
|	Zn	68	321225.415	0.948	0.279093	0.001	0.336	mg/L
\>	Ge	72	338383.792	338383.792				mg/L
[	As	75	14095.586	0.039	0.006741	0.000	1.991	mg/L
	Rh	103	389562.147	-18278.328				mg/L
[	Pb	208	8394632.867	23.281	0.307321	0.009	2.925	mg/L
[>	Bi	209	360666.451	360666.451				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
[	Cr	51.941	
|	Cr	52.941	
|	Cu	62.930	
[	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
\>	Ge	71.922	99.643
[	As	74.922	
	Rh	102.905	
[	Pb	207.977	
[>	Bi	208.980	98.921

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	514776.427	17039.807		mg/L
[	Cr	52	341461.523	0.983	0.033878	mg/L
|	Cr	53	41109.389	0.116	0.034908	mg/L
|	Cu	63	956283.187	2.789	0.183664	mg/L
|	Cu	65	455461.938	1.328	0.159838	mg/L
|	Zn	66	443814.873	1.294	0.274388	mg/L
|	Zn	68	326084.710	0.950	0.279882	mg/L
\>	Ge	72	342781.561	342781.561		mg/L
[	As	75	14047.072	0.039	0.006825	mg/L
	Rh	103	396464.408	-12378.088		mg/L
[	Pb	208	8280828.488	22.497	0.296873	mg/L
[>	Bi	209	368053.878	368053.878		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	503203.735	5467.115		mg/L

00689

[	Cr	52	346958.083	0.995	0.034798	mg/L
[	Cr	53	40059.418	0.117	0.034562	mg/L
[	Cu	63	922182.310	2.732	0.160818	mg/L
[	Cu	65	450883.882	1.338	0.160540	mg/L
[	Zn	66	449438.745	1.331	0.282290	mg/L
[	Zn	68	319074.000	0.944	0.279012	mg/L
[>	Ge	72	337425.301	337425.301		mg/L
[	As	75	14346.028	0.040	0.006888	mg/L
	Rh	103	382340.910	-25498.564		mg/L
[	Pb	208	8386341.873	23.620	0.311785	mg/L
[>	Bi	209	356456.131	356456.131		mg/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
	Li	6	504881.406	6964.784		mg/L
[	Cr	52	347398.848	1.004	0.035110	mg/L
[	Cr	53	41323.802	0.122	0.035925	mg/L
[	Cu	63	934838.015	2.790	0.164027	mg/L
[	Cu	65	443480.001	1.324	0.159073	mg/L
[	Zn	66	441046.118	1.316	0.279070	mg/L
[	Zn	68	318507.535	0.950	0.279578	mg/L
[>	Ge	72	334944.513	334944.513		mg/L
[	As	75	13693.657	0.039	0.006711	mg/L
	Rh	103	390881.125	-18969.350		mg/L
[	Pb	208	8508828.241	23.727	0.313208	mg/L
[>	Bi	209	358490.346	358490.346		mg/L

Sample ID: 1001382-03
Report Date/Time: Wednesday, February 03, 2010 20:58:02

Sample Information

Sample ID: 1001382-04
Autosampler Position: 38
Sample Date/Time: Wednesday, February 03, 2010 20:59:44
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1001382-04.042
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

x20 D

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	496911.743	-824.877				mg/L
⌈	Cr	52	33690.279	0.068	0.002380	0.000	1.447	mg/L
⌈	Cr	53	3303.130	0.008	0.002451	0.000	3.714	mg/L
|	Cu	63	69495.485	0.208	0.012224	0.000	1.751	mg/L
|	Cu	65	32810.862	0.098	0.011792	0.000	0.573	mg/L
|	Zn	66	60631.857	0.181	0.038429	0.000	1.283	mg/L
|	Zn	68	45349.303	0.135	0.039678	0.000	1.050	mg/L
|>	Ge	72	333223.478	333223.478				mg/L
⌊	As	75	5489.202	0.014	0.002427	0.000	1.192	mg/L
	Rh	103	395606.323	-12234.151				mg/L
⌈	Pb	208	1087106.787	3.066	0.040469	0.001	3.041	mg/L
⌊>	Bi	209	354543.724	354543.724				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	Cr	51.941	
|	Cr	52.941	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.123
⌊	As	74.922	
	Rh	102.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	97.242

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	502681.838	4945.218		mg/L
⌈	Cr	52	34132.689	0.069	0.002417	mg/L
⌈	Cr	53	3358.824	0.008	0.002483	mg/L
|	Cu	63	70266.616	0.210	0.012329	mg/L
|	Cu	65	32826.586	0.098	0.011788	mg/L
|	Zn	66	61017.115	0.182	0.038576	mg/L
|	Zn	68	45804.491	0.136	0.040068	mg/L
|>	Ge	72	334038.428	334038.428		mg/L
⌊	As	75	5513.479	0.014	0.002438	mg/L
	Rh	103	398998.613	8943.862		mg/L
⌈	Pb	208	1092945.698	3.029	0.039988	mg/L
⌊>	Bi	209	360721.508	360721.508		mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Li	6	489823.988	7912.732		mg/L

00691

	Cr	52	33168.152	0.068	0.002372	mg/L
	Cr	53	3328.609	0.009	0.002513	mg/L
	Cu	63	66365.877	0.210	0.012388	mg/L
	Cu	65	32223.944	0.098	0.011738	mg/L
	Zn	66	60448.313	0.163	0.038632	mg/L
	Zn	68	44797.484	0.136	0.038738	mg/L
	Ge	72	328797.738	328757.738		mg/L
	As	75	5486.740	0.014	0.002463	mg/L
	Rh	103	398838.498	-9001.976		mg/L
	Pb	208	1089628.521	3.172	0.041671	mg/L
	Si	209	345212.563	345212.563		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	498228.508	492.888		mg/L
Cr	52	33771.987	0.087	0.002360	mg/L
Cr	53	3220.758	0.008	0.002346	mg/L
Cu	63	68864.984	0.204	0.011978	mg/L
Cu	65	33382.157	0.098	0.011868	mg/L
Zn	66	60429.143	0.178	0.037879	mg/L
Zn	68	45345.934	0.133	0.039238	mg/L
Ge	72	328878.270	328878.270		mg/L
As	75	5488.388	0.014	0.002398	mg/L
Rh	103	399083.858	-18756.616		mg/L
Pb	208	1072848.144	2.998	0.039588	mg/L
Si	209	357697.013	357697.013		mg/L

Sample Information

Sample ID: 1001382-04
Autosampler Position: 39
Sample Date/Time: Wednesday, February 03, 2010 21:02:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1001382-04.043
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

x5

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	498024.842	288.221				mg/L
⌈	Cr	52	104052.236	0.278	0.009705	0.000	2.458	mg/L
|	Cr	53	11618.559	0.033	0.009758	0.000	2.427	mg/L
|	Cu	63	268704.473	0.801	0.047111	0.001	1.269	mg/L
|	Cu	65	130440.636	0.389	0.046751	0.001	1.709	mg/L
|	Zn	66	240169.629	0.716	0.151862	0.002	1.415	mg/L
|	Zn	68	175012.194	0.521	0.153443	0.004	2.611	mg/L
|>	Ge	72	335079.545	335079.545				mg/L
⌊	As	75	20142.499	0.058	0.009906	0.000	2.588	mg/L
	Rh	103	388584.039	-19256.435				mg/L
⌈	Pb	208	4047683.200	11.630	0.153521	0.002	1.330	mg/L
⌊>	Bi	209	348038.110	348038.110				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	Cr	51.941	
|	Cr	52.941	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.670
⌊	As	74.922	
	Rh	102.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	95.457

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	503782.802	6248.282		mg/L
⌈	Cr	52	104491.789	0.271	0.009472	mg/L
|	Cr	53	11712.712	0.032	0.009677	mg/L
|	Cu	63	271842.973	0.790	0.046444	mg/L
|	Cu	65	131311.294	0.382	0.045859	mg/L
|	Zn	66	243152.756	0.707	0.149819	mg/L
|	Zn	68	174243.386	0.506	0.148838	mg/L
|>	Ge	72	343793.506	343793.506		mg/L
⌊	As	75	20106.642	0.058	0.009823	mg/L
	Rh	103	388044.536	-19795.938		mg/L
⌈	Pb	208	4089068.458	11.456	0.151212	mg/L
⌊>	Bi	209	355183.127	355183.127		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	494556.546	-1078.074		mg/L

: 00693

[	Cr	52	105812.638	0.265	0.009946	mg/L
[	Cr	53	11426.246	0.033	0.009872	mg/L
[	Cu	63	267511.930	0.805	0.047293	mg/L
[	Cu	65	131164.634	0.394	0.047401	mg/L
[	Zn	66	237879.529	0.715	0.151888	mg/L
[	Zn	68	175811.529	0.528	0.156488	mg/L
[>	Ge	72	332249.918	332249.918		mg/L
[	As	75	20110.144	0.058	0.009874	mg/L
	Rh	103	388156.186	21684.279		mg/L
[	Pb	208	4084408.308	11.686	0.154286	mg/L
[>	Bi	209	346878.444	346878.444		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	493433.076	-4303.848		mg/L
Cr	52	102152.284	0.277	0.009886	mg/L
Cr	53	11716.719	0.034	0.010026	mg/L
Cu	63	266758.617	0.810	0.047587	mg/L
Cu	65	126846.980	0.391	0.048986	mg/L
Zn	66	236478.802	0.727	0.154102	mg/L
Zn	68	174881.686	0.530	0.156014	mg/L
[>	Ge	72	329186.213	329186.213	mg/L
[	As	75	20211.711	0.059	0.010123	mg/L
	Rh	103	391561.387	-16288.088		mg/L
[	Pb	208	4019844.834	11.749	0.155087	mg/L
[>	Bi	209	342072.758	342072.758		mg/L

Sample Information

Sample ID: 1001382-05
Autosampler Position: 40
Sample Date/Time: Wednesday, February 03, 2010 21:05:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1001382-05.044
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

x50

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	499817.604	2080.983				mg/L
[	Cr	52	19700.328	0.026	0.000918	0.000	4.519	mg/L
|	Cr	53	1624.201	0.003	0.000968	0.000	3.975	mg/L
|	Cu	63	114409.898	0.344	0.020204	0.000	1.869	mg/L
|	Cu	65	55022.013	0.165	0.019857	0.000	0.488	mg/L
|	Zn	66	125378.755	0.377	0.079862	0.002	1.982	mg/L
|	Zn	68	91911.567	0.275	0.081038	0.000	0.353	mg/L
|>	Ge	72	332325.229	332325.229				mg/L
[	As	75	1930.448	0.004	0.000601	0.000	7.799	mg/L
	Rh	103	405266.126	-2574.348				mg/L
[	Pb	208	944044.589	2.702	0.035671	0.000	0.947	mg/L
[>	Bi	209	349139.658	349139.658				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
[	Cr	51.941	
|	Cr	52.941	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.859
[	As	74.922	
	Rh	102.905	
[	Pb	207.977	
[>	Bi	208.980	95.759

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	502846.472	4909.852		mg/L
Cr	52	19804.618	0.026	0.000881	mg/L
Cr	53	1621.200	0.003	0.000839	mg/L
Cu	63	115752.516	0.342	0.020075	mg/L
Cu	65	55766.429	0.165	0.019769	mg/L
Zn	66	125829.882	0.371	0.078709	mg/L
Zn	68	93194.968	0.274	0.080709	mg/L
Ge	72	338320.184	338320.184		mg/L
As	75	1956.545	0.003	0.000586	mg/L
Rh	103	400638.809	7301.668		mg/L
Pb	208	948653.907	2.704	0.035881	mg/L
Bi	209	350829.114	350829.114		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	495189.621	2546.998		mg/L

	Cr	52	19507.797	0.026	0.000898	mg/L
	Cr	53	1608.187	0.003	0.000883	mg/L
	Cu	63	112780.885	0.338	0.019908	mg/L
	Cu	65	56000.480	0.166	0.019841	mg/L
	Zn	66	124427.632	0.374	0.079211	mg/L
	Zn	68	92158.830	0.276	0.081227	mg/L
I.S	Ge	72	332438.298	332438.298		mg/L
	As	75	1846.381	0.003	0.000867	mg/L
	Rh	103	408047.177	-1783.297		mg/L
	Pb	208	941313.548	2.727	0.035898	mg/L
I.S	Bi	209	344945.082	344946.082		mg/L

Repeat 3

Analyte	Mass	µMass Intensity	Net Intensity	Concentration	Report Unit
Li	6	501616.718	3680.098		mg/L
Cr	52	19788.971	0.026	0.000896	mg/L
Cr	53	1643.205	0.003	0.001011	mg/L
Cu	63	114688.815	0.351	0.020529	mg/L
Cu	65	54298.124	0.166	0.019981	mg/L
Zn	66	125878.742	0.386	0.081667	mg/L
Zn	68	90381.115	0.276	0.081178	mg/L
I.S	Ge	326219.207	326219.207		mg/L
As	75	1988.416	0.004	0.000860	mg/L
	Rh	406212.393	1371.919		mg/L
	Pb	942188.313	2.676	0.035324	mg/L
I.S	Bi	351844.788	351844.788		mg/L

Sample ID: 1001382-05
Report Date/Time: Wednesday, February 03, 2010 21:06:00

Sample Information

Sample ID: 1001382-05
Autosampler Position: 41
Sample Date/Time: Wednesday, February 03, 2010 21:07:42
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1001382-05.045
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

X40

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	501532.488	3795.867				mg/L
⌈	Cr	52	22407.319	0.033	0.001160	0.000	4.807	mg/L
|	Cr	53	1934.281	0.004	0.001212	0.000	2.578	mg/L
|	Cu	63	146267.223	0.432	0.025372	0.000	1.604	mg/L
|	Cu	65	69883.896	0.206	0.024777	0.000	1.457	mg/L
|	Zn	66	159871.457	0.472	0.100037	0.003	3.313	mg/L
|	Zn	68	116402.004	0.343	0.100877	0.001	1.253	mg/L
|>	Ge	72	338434.768	338434.768				mg/L
⌊	As	75	2249.643	0.004	0.000744	0.000	2.601	mg/L
	Rh	103	394946.404	-12894.070				mg/L
⌈	Pb	208	1181304.330	3.357	0.044316	0.001	1.255	mg/L
⌊>	Bi	209	351702.955	351702.955				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	Cr	51.941	
|	Cr	52.941	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.658
⌊	As	74.922	
	Rh	102.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	96.462

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	502752.563	5015.943		mg/L
⌈	Cr	52	22092.333	0.031	0.001087	mg/L
|	Cr	53	1943.284	0.004	0.001197	mg/L
|	Cu	63	145645.327	0.424	0.024809	mg/L
|	Cu	65	69847.801	0.203	0.024383	mg/L
|	Zn	66	155887.238	0.454	0.098225	mg/L
|	Zn	68	116813.202	0.340	0.099871	mg/L
|>	Ge	72	342988.112	342988.112		mg/L
⌊	As	75	2323.357	0.004	0.000768	mg/L
	Rh	103	408086.479	225.008		mg/L
⌈	Pb	208	1189476.143	3.387	0.044708	mg/L
⌊>	Bi	209	351010.188	351010.188		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	501340.284	3603.664		mg/L

00697

	Cr	52	22435.403	0.034	0.001180	mg/L
	Cr	53	1980.289	0.004	0.001248	mg/L
	Cu	63	146068.672	0.434	0.025630	mg/L
	Cu	65	70098.585	0.208	0.025030	mg/L
	Zn	66	161243.239	0.479	0.101658	mg/L
	Zn	68	117158.135	0.348	0.102321	mg/L
I.S.	Ge	72	335818.140	335818.140		mg/L
	As	75	2203.214	0.004	0.000729	mg/L
	Rh	103	391038.389	-15802.081		mg/L
	Pb	208	1173344.475	3.308	0.043680	mg/L
I.S.	Bi	209	354400.612	354400.612		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	500604.618	2787.986		mg/L
Cr	52	22884.221	0.034	0.001202	mg/L
Cr	53	1898.271	0.004	0.001180	mg/L
Cu	63	147198.688	0.437	0.025878	mg/L
Cu	65	69946.493	0.208	0.024837	mg/L
Zn	66	162483.884	0.482	0.102229	mg/L
Zn	68	115136.675	0.341	0.100340	mg/L
I.S.	Ge	336520.061	336520.061		mg/L
	As	2222.358	0.004	0.000736	mg/L
	Rh	103	385735.341	-22108.133		mg/L
	Pb	208	1181093.372	3.376	0.044580	mg/L
I.S.	Bi	209	349898.088	349898.088		mg/L

Sample ID: 1001382-05
Report Date/Time: Wednesday, February 03, 2010 21:08:40

Sample Information

Sample ID: 0B03065-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, February 03, 2010 21:10:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-CCV.046
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	497871.336	134.715				mg/L
[	Cr	52	387497.866	1.140	0.039870	0.001	1.812	mg/L
|	Cr	53	44494.941	0.133	0.039270	0.000	0.189	mg/L
|	Cu	63	225503.600	0.682	0.040100	0.001	1.376	mg/L
|	Cu	65	108100.344	0.327	0.039295	0.001	2.207	mg/L
|	Zn	66	60902.502	0.184	0.038944	0.001	1.769	mg/L
|	Zn	68	45028.621	0.135	0.039747	0.001	1.495	mg/L
|>	Ge	72	330296.803	330296.803				mg/L
[	As	75	79476.423	0.238	0.040829	0.001	1.931	mg/L
	Rh	103	397813.096	-10027.378				mg/L
[	Pb	208	1048417.235	2.979	0.039328	0.001	1.569	mg/L
[>	Bi	209	351739.588	351739.588				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
[	Cr	51.941	
|	Cr	52.941	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.261
[	As	74.922	
	Rh	102.905	
[	Pb	207.977	
[>	Bi	208.980	96.473

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	491177.281	6558.380		mg/L
Cr	52	383563.847	1.119	0.039133	mg/L
Cr	53	44766.289	0.133	0.039291	mg/L
Cu	63	224104.508	0.673	0.039637	mg/L
Cu	65	106830.016	0.321	0.038525	mg/L
Zn	66	61340.874	0.184	0.038916	mg/L
Zn	68	45724.338	0.138	0.040048	mg/L
Ge	72	332886.556	332886.556		mg/L
As	75	79060.334	0.236	0.040284	mg/L
Rh	103	401382.241	6456.234		mg/L
Pb	208	1049338.829	3.032	0.040030	mg/L
Bi	209	345828.307	345828.307		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	504585.286	6848.068		mg/L

: 00699

	Cr	52	398808.141	1.141	0.039800	mg/L
	Cr	53	44708.918	0.133	0.039346	mg/L
	Cu	63	226278.392	0.663	0.040122	mg/L
	Cu	65	107946.656	0.328	0.039126	mg/L
	Zn	66	60023.742	0.180	0.039276	mg/L
	Zn	68	44364.917	0.133	0.039082	mg/L
	Ge	72	331215.488	331215.488		mg/L
	As	75	79012.376	0.236	0.040476	mg/L
	Rh	103	397342.466	-10498.008		mg/L
	Pb	208	1052323.788	2.981	0.038083	mg/L
	Bi	209	356208.282	356208.282		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	497851.480	114.840		mg/L
Cr	52	390031.810	1.160	0.040577	mg/L
Cr	53	44011.614	0.133	0.039288	mg/L
Cu	63	228130.912	0.681	0.040840	mg/L
Cu	65	109522.359	0.336	0.040238	mg/L
Zn	66	61342.881	0.187	0.039846	mg/L
Zn	68	44976.807	0.136	0.040129	mg/L
Ge	72	326788.384	326788.384		mg/L
As	75	80366.568	0.244	0.041733	mg/L
Rh	103	394714.583	-13125.881		mg/L
Pb	208	1043587.989	2.948	0.038871	mg/L
Bi	209	354182.166	354182.166		mg/L

00700

Sample Information

Sample ID: 0B03065-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, February 03, 2010 21:13:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-CCB.047
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	500315.811	2579.191				mg/L
⌈	Cr	52	10799.935	-0.001	-0.000019	0.000	110.784	mg/L
|	Cr	53	527.358	-0.000	-0.000007	0.000	330.472	mg/L
|	Cu	63	223.006	0.000	0.000003	0.000	7.251	mg/L
|	Cu	65	123.336	0.000	0.000004	0.000	59.683	mg/L
|	Zn	66	317.677	0.000	0.000044	0.000	44.726	mg/L
|	Zn	68	496.356	0.000	0.000048	0.000	36.168	mg/L
|>	Ge	72	332344.103	332344.103				mg/L
⌊	As	75	643.077	-0.000	-0.000063	0.000	29.018	mg/L
	Rh	103	396327.907	-11512.567				mg/L
⌈	Pb	208	942.367	0.001	0.000011	0.000	12.845	mg/L
⌊>	Bi	209	357442.815	357442.815				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	Cr	51.941	
|	Cr	52.941	
|	Cu	62.930	
⌊	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.864
⌊	As	74.922	
	Rh	102.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	98.037

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	494001.419	3735.202		mg/L
Cr	52	10727.158	-0.001	-0.000036	mg/L
Cr	53	521.024	-0.000	0.000018	mg/L
Cu	63	224.008	0.000	0.000003	mg/L
Cu	65	129.002	0.000	0.000006	mg/L
Zn	66	268.008	0.000	0.000223	mg/L
Zn	68	523.024	0.000	0.000088	mg/L
Ge	72	335168.671	335168.671		mg/L
As	75	647.972	-0.000	-0.000064	mg/L
Rh	103	401164.503	6875.971		mg/L
Pb	208	1000.038	0.001	0.000012	mg/L
Bi	209	364873.780	364873.780		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	505472.872	7735.252		mg/L

00701

f	Cr	52	11008.584	0.000	0.000026	mg/L
/	Cr	53	564.027	0.000	0.000018	mg/L
f	Cu	63	224.008	0.000	0.000003	mg/L
l	Cu	65	116.002	0.000	0.000001	mg/L
l	Zn	66	321.010	0.000	0.000048	mg/L
l	Zn	68	461.021	0.000	0.000035	mg/L
l>	Ge	72	331715.830	331715.830		mg/L
L	As	75	677.656	-0.000	0.000048	mg/L
	Rh	103	398217.227	9523.247		mg/L
ſ	Pb	208	800.031	0.001	0.000010	mg/L
l>	Bi	209	356236.618	356236.618		mg/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
	Li	6	501473.142	3738.522		mg/L
f	Cr	52	10888.084	-0.001	-0.000028	mg/L
/	Cr	53	507.023	-0.000	0.000022	mg/L
l	Cu	63	221.008	0.000	0.000003	mg/L
l	Cu	65	125.002	0.000	0.000008	mg/L
l	Zn	66	344.012	0.000	0.000052	mg/L
l	Zn	68	486.021	0.000	0.000041	mg/L
l>	Ge	72	330147.708	330147.708		mg/L
L	As	75	603.604	-0.000	-0.000063	mg/L
	Rh	103	399801.981	-16238.463		mg/L
ſ	Pb	208	927.032	0.001	0.000011	mg/L
l>	Bi	209	351218.070	351218.070		mg/L

Sample ID: 0B03065-CCB
Report Date/Time: Wednesday, February 03, 2010 21:13:57

Sample Information

Sample ID: 1001382-05
Autosampler Position: 42
Sample Date/Time: Wednesday, February 03, 2010 21:15:39
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1001382-05.048
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

x20

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	496806.945	-929.676				mg/L
⌈	Cr	52	34643.157	0.071	0.002474	0.000	1.855	mg/L
|	Cr	53	3335.812	0.008	0.002474	0.000	2.782	mg/L
|	Cu	63	292296.263	0.875	0.051441	0.000	0.820	mg/L
|	Cu	65	141403.137	0.423	0.050870	0.000	0.909	mg/L
|	Zn	66	323790.028	0.969	0.205559	0.002	0.823	mg/L
|	Zn	68	232787.071	0.696	0.204956	0.003	1.556	mg/L
|>	Ge	72	333772.638	333772.638				mg/L
⌊	As	75	4108.069	0.010	0.001714	0.000	4.492	mg/L
	Rh	103	399749.080	-8091.395				mg/L
⌈	Pb	208	2393560.612	6.822	0.090056	0.001	0.663	mg/L
⌊>	Bi	209	350746.129	350746.129				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	Cr	51.941	
|	Cr	52.941	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.285
⌊	As	74.922	
	Rh	102.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	96.200

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	495137.188	2569.456		mg/L
Cr	52	34666.288	0.071	0.002491	mg/L
Cr	53	3411.649	0.008	0.002563	mg/L
Cu	63	298918.078	0.868	0.051050	mg/L
Cu	65	139363.804	0.419	0.050338	mg/L
Zn	66	324561.750	0.978	0.206888	mg/L
Zn	68	235849.841	0.708	0.208483	mg/L
Ge	72	332438.389	332438.389		mg/L
As	75	3948.833	0.010	0.001640	mg/L
Rh	103	405308.849	-2533.825		mg/L
Pb	208	2415404.288	6.849	0.090380	mg/L
Bi	209	352784.918	352784.918		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	492371.430	5365.190		mg/L

: 00703

	Cr	52	34343.708	0.089	0.002422	mg/L
	Cr	53	3302.786	0.008	0.002438	mg/L
	Cu	63	293841.087	0.874	0.061388	mg/L
	Cu	65	142830.313	0.425	0.061083	mg/L
	Zn	66	322821.156	0.980	0.203846	mg/L
	Zn	68	231087.228	0.697	0.202273	mg/L
I.S.	Ge	72	335876.719	335876.719		mg/L
	As	75	4119.147	0.010	0.001707	mg/L
	Rh	103	398210.688	9829.588		mg/L
	Pb	208	2398588.611	6.851	0.090441	mg/L
I.S.	Bi	209	350142.088	350142.088		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	502912.239	5175.618		mg/L
Cr	52	34820.801	0.072	0.002508	mg/L
Cr	53	3282.782	0.008	0.002441	mg/L
Cu	63	294331.643	0.883	0.061888	mg/L
Cu	65	142015.284	0.428	0.061179	mg/L
Zn	66	324187.177	0.972	0.206164	mg/L
Zn	68	231444.148	0.883	0.204111	mg/L
I.S.	Ge	333202.807	333202.807		mg/L
As	75	4256.425	0.010	0.001793	mg/L
	Rh	399729.502	12110.873		mg/L
	Pb	2386877.981	6.770	0.089389	mg/L
I.S.	Bi	349331.799	349331.799		mg/L

Sample ID: 1001382-05
Report Date/Time: Wednesday, February 03, 2010 21:16:36

00704

Sample Information

Sample ID: 1001382-06
Autosampler Position: 43
Sample Date/Time: Wednesday, February 03, 2010 21:18:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1001382-06.049
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

X10

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	497124.258	-612.363				mg/L
[	Cr	52	36203.890	0.075	0.002611	0.000	1.305	mg/L
|	Cr	53	3408.180	0.009	0.002517	0.000	2.772	mg/L
|	Cu	63	73601.323	0.218	0.012836	0.000	0.733	mg/L
|	Cu	65	35656.471	0.106	0.012708	0.000	1.231	mg/L
|	Zn	66	62952.844	0.187	0.039562	0.001	1.674	mg/L
|	Zn	68	45772.663	0.135	0.039706	0.001	1.695	mg/L
|>	Ge	72	336103.284	336103.284				mg/L
[	As	75	3748.394	0.009	0.001516	0.000	2.015	mg/L
	Rh	103	394194.933	-13645.541				mg/L
[	Pb	208	557630.296	1.596	0.021068	0.000	1.255	mg/L
[>	Bi	209	349016.869	349016.869				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
[	Cr	51.941	
|	Cr	52.941	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.971
[	As	74.922	
	Rh	102.905	
[	Pb	207.977	
[>	Bi	208.980	95.726

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	494185.524	-3581.088		mg/L
[	Cr	52	35823.988	0.074	0.002589	mg/L
|	Cr	53	3487.878	0.009	0.002581	mg/L
|	Cu	63	73986.969	0.220	0.012946	mg/L
|	Cu	65	35587.839	0.106	0.012776	mg/L
|	Zn	66	63711.514	0.190	0.040328	mg/L
|	Zn	68	46175.230	0.137	0.040046	mg/L
|>	Ge	72	333711.788	333711.788		mg/L
[	As	75	3764.334	0.009	0.001538	mg/L
	Rh	103	396815.680	-11224.794		mg/L
[	Pb	208	564771.171	1.583	0.020888	mg/L
[>	Bi	209	350029.780	350029.780		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	501345.641	3606.021		mg/L

00705

	Cr	52	36053.188	0.074	0.002589	mg/L
	Cr	53	3344.816	0.009	0.002463	mg/L
	Cu	63	73538.366	0.218	0.012787	mg/L
	Cu	65	38071.210	0.107	0.012818	mg/L
	Zn	66	62560.658	0.186	0.039213	mg/L
	Zn	68	45109.442	0.132	0.039004	mg/L
	Ge	72	337115.187	337115.187		mg/L
	As	75	3881.118	0.008	0.001481	mg/L
	Rh	103	383898.438	24151.049		mg/L
	Pb	208	556113.808	1.619	0.021373	mg/L
	Bi	209	344834.803	344834.803		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	495841.008	-1898.012		mg/L
Cr	52	38724.533	0.078	0.002649	mg/L
Cr	53	3411.849	0.009	0.002509	mg/L
Cu	63	73568.666	0.217	0.012778	mg/L
Cu	65	35300.386	0.104	0.012529	mg/L
Zn	66	62566.356	0.186	0.039148	mg/L
Zn	68	46033.317	0.136	0.039787	mg/L
Ge	72	337482.831	337482.831		mg/L
As	75	3799.730	0.009	0.001529	mg/L
Rh	103	402279.563	5580.791		mg/L
Pb	208	559006.910	1.588	0.020934	mg/L
Bi	209	352088.244	352088.244		mg/L

Sample ID: 1001382-06
Report Date/Time: Wednesday, February 03, 2010 21:19:16

Sample Information

Sample ID: 0B03065-SRD2
Autosampler Position: 44
Sample Date/Time: Wednesday, February 03, 2010 21:20:58
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-SRD2.050
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

X50

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	493965.045	-3771.575				mg/L
⌈	Cr	52	16282.038	0.016	0.000558	0.000	5.315	mg/L
|	Cr	53	1114.431	0.002	0.000515	0.000	2.896	mg/L
|	Cu	63	15065.355	0.045	0.002629	0.000	1.163	mg/L
|	Cu	65	7182.015	0.021	0.002557	0.000	2.118	mg/L
|	Zn	66	12655.997	0.037	0.007919	0.000	1.401	mg/L
|	Zn	68	9454.014	0.027	0.007987	0.000	1.149	mg/L
|>	Ge	72	332208.816	332208.816				mg/L
⌊	As	75	1348.375	0.002	0.000301	0.000	11.057	mg/L
	Rh	103	396499.644	-11340.831				mg/L
⌈	Pb	208	111649.055	0.318	0.004203	0.000	1.702	mg/L
⌊>	Bi	209	348779.836	348779.836				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	Cr	51.941	
|	Cr	52.941	
|	Cu	62.930	
⌊	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.824
⌊	As	74.922	
	Rh	102.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	95.661

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	496575.028	-1161.592		mg/L
⌈	Cr	52	16111.311	0.016	0.000541	mg/L
|	Cr	53	1095.095	0.002	0.000498	mg/L
|	Cu	63	14982.647	0.044	0.002616	mg/L
|	Cu	65	7017.516	0.021	0.002498	mg/L
|	Zn	66	12457.979	0.037	0.007795	mg/L
|	Zn	68	9366.230	0.027	0.007912	mg/L
|>	Ge	72	332108.809	332108.809		mg/L
⌊	As	75	1373.280	0.002	0.000314	mg/L
	Rh	103	406353.906	-1486.569		mg/L
⌈	Pb	208	112065.023	0.315	0.004156	mg/L
⌊>	Bi	209	353982.674	353982.674		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	499199.806	1462.185		mg/L

	Cr	52	18877.614	0.017	0.000582	mg/L
	Cr	53	1132.101	0.002	0.000526	mg/L
	Cu	63	15008.904	0.044	0.002808	mg/L
	Cu	65	7345.849	0.022	0.002808	mg/L
	Zn	66	12851.680	0.038	0.008008	mg/L
	Zn	68	9484.361	0.027	0.007980	mg/L
	Ge	72	333626.938	333626.938		mg/L
	As	75	1280.758	0.002	0.000283	mg/L
	Rh	103	382023.246	-15817.229		mg/L
	Pb	208	111807.016	0.318	0.004168	mg/L
	Bi	209	352088.843	352088.843		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	486121.301	-11615.319		mg/L
Cr	52	18057.186	0.015	0.000541	mg/L
Cr	53	1116.098	0.002	0.000520	mg/L
Cu	63	15203.315	0.045	0.002884	mg/L
Cu	65	7182.681	0.021	0.002568	mg/L
Zn	66	12648.333	0.038	0.007953	mg/L
Zn	68	9531.450	0.027	0.008088	mg/L
Ge	72	330888.902	330888.902		mg/L
As	75	1381.110	0.002	0.000326	mg/L
Rh	103	381121.779	-16718.896		mg/L
Pb	208	111075.125	0.326	0.004285	mg/L
Bi	209	340277.981	340277.981		mg/L

Sample Information

Sample ID: 1000891-PS2
Autosampler Position: 45
Sample Date/Time: Wednesday, February 03, 2010 21:23:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1000891-PS2.051
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

X10

Dr

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	490985.965	-6750.655				mg/L
⌈	Cr	52	214254.321	0.606	0.021200	0.000	0.479	mg/L
|	Cr	53	25034.712	0.073	0.021566	0.000	0.392	mg/L
|	Cu	63	182783.254	0.545	0.032025	0.000	1.275	mg/L
|	Cu	65	87398.048	0.260	0.031300	0.000	1.356	mg/L
|	Zn	66	92620.952	0.276	0.058450	0.001	1.394	mg/L
|	Zn	68	68122.000	0.202	0.059456	0.001	0.856	mg/L
\>	Ge	72	335116.317	335116.317				mg/L
⌊	As	75	40744.443	0.119	0.020432	0.000	1.212	mg/L
	Rh	103	391856.920	-15983.554				mg/L
⌈	Pb	208	1072273.176	3.063	0.040428	0.000	1.180	mg/L
⌊>	Bi	209	349925.204	349925.204				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	Cr	51.941	
|	Cr	52.941	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
\>	Ge	71.922	98.681
⌊	As	74.922	
	Rh	102.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	95.975

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	495249.572	-2467.048		mg/L
⌈	Cr	52	214137.548	0.606	0.021164	mg/L
|	Cr	53	25087.159	0.073	0.021571	mg/L
|	Cu	63	182767.548	0.544	0.031988	mg/L
|	Cu	65	88856.146	0.266	0.031790	mg/L
|	Zn	66	93141.262	0.277	0.058717	mg/L
|	Zn	68	68839.819	0.204	0.060024	mg/L
\>	Ge	72	335467.210	335467.210		mg/L
⌊	As	75	41293.110	0.121	0.020881	mg/L
	Rh	103	393417.888	-14422.587		mg/L
⌈	Pb	208	1070795.771	3.033	0.040041	mg/L
⌊>	Bi	209	352801.268	352801.268		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	482024.096	-15712.524		mg/L

00709

[	Cr	52	213764.629	0.604	0.021121	mg/L
[	Cr	53	24985.807	0.073	0.021479	mg/L
[	Cu	63	185435.017	0.552	0.032486	mg/L
[	Cu	65	86868.906	0.258	0.031072	mg/L
[	Zn	66	91289.568	0.271	0.067836	mg/L
[	Zn	68	68031.116	0.201	0.068303	mg/L
[>	Ge	72	335633.208	335633.208		mg/L
[	As	75	40334.089	0.119	0.020197	mg/L
	Rh	103	397361.874	-10468.501		mg/L
[	Pb	208	1078806.133	3.103	0.040881	mg/L
[>	Bi	209	346846.019	346846.019		mg/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
	Li	6	495894.227	-2062.384		mg/L
[	Cr	52	214880.798	0.610	0.021314	mg/L
[	Cr	53	25070.168	0.073	0.021648	mg/L
[	Cu	63	180147.200	0.536	0.031636	mg/L
[	Cu	65	86468.094	0.256	0.031036	mg/L
[	Zn	66	93432.026	0.279	0.069088	mg/L
[	Zn	68	67466.083	0.201	0.068042	mg/L
[>	Ge	72	334348.537	334348.537		mg/L
[	As	75	40608.150	0.119	0.020408	mg/L
	Rh	103	384800.899	23039.576		mg/L
[	Pb	208	1068118.623	3.052	0.040284	mg/L
[>	Bi	209	350128.325	350128.325		mg/L

Sample Information

Sample ID: 1001382-06
Autosampler Position: 46
Sample Date/Time: Wednesday, February 03, 2010 21:26:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1001382-06.052
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

x5 Dr

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	497617.987	-118.633				mg/L
⌈	Cr	52	59807.962	0.148	0.005171	0.000	3.943	mg/L
|	Cr	53	6282.825	0.017	0.005133	0.000	3.577	mg/L
|	Cu	63	145274.615	0.439	0.025796	0.001	2.614	mg/L
|	Cu	65	70467.072	0.213	0.025583	0.001	4.537	mg/L
|	Zn	66	123061.641	0.372	0.078786	0.002	2.920	mg/L
|	Zn	68	88332.083	0.266	0.078263	0.001	1.129	mg/L
| >	Ge	72	330690.095	330690.095				mg/L
⌊	As	75	6522.764	0.017	0.002985	0.000	2.795	mg/L
	Rh	103	388085.799	-19754.676				mg/L
⌈	Pb	208	1097031.235	3.149	0.041568	0.000	1.191	mg/L
⌊ >	Bi	209	348183.127	348183.127				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	Cr	51.941	
|	Cr	52.941	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
| >	Ge	71.922	97.377
⌊	As	74.922	
	Rh	102.905	
⌈	Pb	207.977	
⌊ >	Bi	208.980	95.497

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	497123.287	-613.353		mg/L
⌈	Cr	52	59108.153	0.142	0.004978	mg/L
|	Cr	53	6256.802	0.017	0.005002	mg/L
|	Cu	63	145408.582	0.431	0.025323	mg/L
|	Cu	65	68396.577	0.203	0.024345	mg/L
|	Zn	66	121879.231	0.361	0.076521	mg/L
|	Zn	68	88818.898	0.262	0.077278	mg/L
| >	Ge	72	337060.198	337060.198		mg/L
⌊	As	75	6460.999	0.017	0.002888	mg/L
	Rh	103	390803.538	-17236.938		mg/L
⌈	Pb	208	1087334.582	3.113	0.041081	mg/L
⌊ >	Bi	208	346100.909	346100.909		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	501779.583	4042.963		mg/L

: 00711

f	Cr	52	60437.211	0.154	0.006383	mg/L
i	Cr	53	6372.905	0.018	0.006343	mg/L
i	Cu	63	146273.994	0.452	0.028589	mg/L
i	Cu	65	71772.502	0.222	0.028547	mg/L
f	Zn	66	123875.148	0.383	0.081120	mg/L
i	Zn	68	87136.133	0.288	0.079987	mg/L
i>	Ge	72	323186.886	323186.886		mg/L
i	As	75	8454.323	0.018	0.003028	mg/L
	Rh	103	380467.387	-17373.087		mg/L
f	Pb	208	1104908.429	3.188	0.042078	mg/L
i>	Bi	209	348416.827	348416.827		mg/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
	Li	6	483861.112	-3785.508		mg/L
f	Cr	52	59877.821	0.147	0.008184	mg/L
i	Cr	53	6218.768	0.017	0.006084	mg/L
i	Cu	63	144141.269	0.434	0.025487	mg/L
i	Cu	65	71233.138	0.214	0.025756	mg/L
f	Zn	66	123430.646	0.371	0.078718	mg/L
i	Zn	68	88943.220	0.267	0.078522	mg/L
i>	Ge	72	331833.194	331833.194		mg/L
i	As	75	8662.870	0.018	0.003040	mg/L
	Rh	103	383186.471	24664.003		mg/L
f	Pb	208	1098850.866	3.148	0.041534	mg/L
i>	Bi	209	349031.644	349031.644		mg/L

Sample Information

Sample ID: 0B03065-SRD3
Autosampler Position: 47
Sample Date/Time: Wednesday, February 03, 2010 21:28:58
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-SRD3.053
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

x25 D

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	489995.187	-7741.434				mg/L
⌈	Cr	52	21194.944	0.031	0.001074	0.000	2.921	mg/L
|	Cr	53	1708.221	0.004	0.001042	0.000	1.378	mg/L
|	Cu	63	30014.922	0.090	0.005272	0.000	2.534	mg/L
|	Cu	65	14414.343	0.043	0.005171	0.000	2.305	mg/L
|	Zn	66	25025.348	0.075	0.015808	0.000	2.173	mg/L
|	Zn	68	18171.266	0.053	0.015704	0.000	1.174	mg/L
|>	Ge	72	332406.575	332406.575				mg/L
⌊	As	75	1840.218	0.003	0.000553	0.000	3.238	mg/L
	Rh	103	397685.998	-10154.476				mg/L
⌈	Pb	208	221243.974	0.634	0.008374	0.000	1.559	mg/L
⌊>	Bi	209	347796.137	347796.137				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	Cr	51.941	
|	Cr	52.941	
|	Cu	62.930	
⌊	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.883
⌊	As	74.922	
	Rh	102.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	95.391

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	483586.602	14150.018		mg/L
Cr	52	21188.538	0.030	0.001038	mg/L
Cr	53	1722.225	0.003	0.001032	mg/L
Cu	63	29852.550	0.088	0.005166	mg/L
Cu	65	14263.389	0.042	0.005041	mg/L
Zn	66	24777.146	0.073	0.015417	mg/L
Zn	68	18280.545	0.053	0.015584	mg/L
Ge	72	337306.852	337306.852		mg/L
As	75	1897.469	0.003	0.000569	mg/L
Rh	103	408224.174	383.700		mg/L
Pb	208	219840.288	0.627	0.008277	mg/L
Bi	209	349586.232	349586.232		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	496146.800	2588.821		mg/L

: 00713

[	Cr	52	21146.464	0.031	0.001089	mg/L
I	Cr	53	1678.214	0.004	0.001036	mg/L
I	Cu	63	29372.582	0.089	0.008228	mg/L
I	Cu	65	14298.440	0.043	0.008198	mg/L
I	Zn	66	25080.240	0.079	0.016082	mg/L
I	Zn	68	18188.250	0.054	0.015913	mg/L
I>	Ge	72	328008.293	328008.293		mg/L
L	As	75	1824.001	0.003	0.000556	mg/L
	Rh	103	386318.472	-21625.002		mg/L
[	Pb	208	222313.773	0.646	0.008522	mg/L
I>	Bi	209	344770.979	344770.979		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	491252.156	-6484.462		mg/L
Cr	52	21270.837	0.031	0.001086	mg/L
Cr	53	1724.225	0.004	0.001058	mg/L
Cu	63	30819.684	0.092	0.008422	mg/L
Cu	65	14881.219	0.044	0.008278	mg/L
Zn	66	25208.857	0.079	0.015946	mg/L
Zn	68	18088.003	0.053	0.015836	mg/L
I>	Ge	72	331908.579	331908.579	mg/L
L	As	75	1799.184	0.003	0.000834	mg/L
	Rh	103	398518.347	9322.129		mg/L
[	Pb	208	220677.868	0.630	0.008322	mg/L
I>	Bi	209	349022.188	349022.188		mg/L

00714

Sample Information

Sample ID: 1000891-PS3
Autosampler Position: 48
Sample Date/Time: Wednesday, February 03, 2010 21:31:40
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1000891-PS3.054
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

X5

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	497727.684	-8.936				mg/L
⌈	Cr	52	243507.291	0.694	0.024259	0.000	1.340	mg/L
|	Cr	53	27840.766	0.081	0.024042	0.000	0.929	mg/L
|	Cu	63	257973.475	0.769	0.045225	0.001	1.249	mg/L
|	Cu	65	122406.789	0.365	0.043865	0.001	2.054	mg/L
|	Zn	66	154427.117	0.460	0.097581	0.000	0.460	mg/L
|	Zn	68	111384.639	0.331	0.097483	0.001	0.546	mg/L
|>	Ge	72	335055.176	335055.176				mg/L
⌊	As	75	44401.396	0.130	0.022310	0.000	1.922	mg/L
	Rh	103	387472.790	-20367.685				mg/L
⌈	Pb	208	1641114.343	4.716	0.062248	0.000	0.661	mg/L
⌊>	Bi	209	347889.045	347889.045				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	Cr	51.941	
|	Cr	52.941	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.663
⌊	As	74.922	
	Rh	102.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	95.416

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	498627.921	891.301		mg/L
⌈	Cr	52	243684.427	0.704	0.024631	mg/L
|	Cr	53	27746.082	0.082	0.024298	mg/L
|	Cu	63	257281.106	0.778	0.045733	mg/L
|	Cu	65	122877.120	0.372	0.044648	mg/L
|	Zn	66	153030.422	0.462	0.096048	mg/L
|	Zn	68	110233.175	0.332	0.097827	mg/L
|>	Ge	72	330430.340	330430.340		mg/L
⌊	As	75	44848.986	0.133	0.022753	mg/L
	Rh	103	392927.991	-14912.483		mg/L
⌈	Pb	208	1640410.521	4.660	0.061775	mg/L
⌊>	Bi	209	350390.838	350390.838		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	496468.545	749.925		mg/L

00715

[	Cr	52	242010.833	0.660	0.024119	mg/L
I	Cr	53	27884.707	0.081	0.023884	mg/L
I	Cu	63	254338.383	0.758	0.044617	mg/L
I	Cu	65	118580.847	0.357	0.042888	mg/L
I	Zn	66	194258.480	0.468	0.087841	mg/L
I	Zn	68	110807.906	0.335	0.086871	mg/L
I>	Ge	72	334813.563	334813.563		mg/L
L	As	75	44320.808	0.130	0.022281	mg/L
	Rh	103	386380.386	-21460.109		mg/L
[	Pb	208	1668044.809	4.737	0.082528	mg/L
I>	Bi	209	351374.448	351374.448		mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Li	6	498088.588	-1668.036		mg/L
[	Cr	52	244838.813	0.667	0.024038	mg/L
I	Cr	53	28121.529	0.081	0.023833	mg/L
I	Cu	63	262302.937	0.771	0.045334	mg/L
I	Cu	65	124782.389	0.367	0.044087	mg/L
I	Zn	66	155881.478	0.456	0.087184	mg/L
I	Zn	68	113312.837	0.332	0.087752	mg/L
I>	Ge	72	339921.906	339921.906		mg/L
L	As	75	44233.418	0.126	0.021888	mg/L
	Rh	103	383100.013	-24740.462		mg/L
[	Pb	208	1617888.000	4.735	0.082446	mg/L
I>	Bi	209	341901.869	341901.869		mg/L

00715

Sample Information

Sample ID: 1001382-06
Autosampler Position: 49
Sample Date/Time: Wednesday, February 03, 2010 21:34:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1001382-06.055
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

x2

D

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	496206.201	-1530.419				mg/L
⌈	Cr	52	132846.871	0.368	0.012858	0.000	1.882	mg/L
|	Cr	53	14949.118	0.043	0.012832	0.000	3.512	mg/L
|	Cu	63	357893.848	1.079	0.063436	0.002	2.510	mg/L
|	Cu	65	173265.258	0.522	0.062777	0.001	2.349	mg/L
|	Zn	66	298763.978	0.901	0.190978	0.003	1.368	mg/L
|	Zn	68	215741.119	0.649	0.191221	0.001	0.649	mg/L
| >	Ge	72	331481.019	331481.019				mg/L
⌊	As	75	15725.913	0.045	0.007733	0.000	1.685	mg/L
	Rh	103	383405.400	-24435.074				mg/L
⌈	Pb	208	2739041.748	7.867	0.103847	0.002	1.859	mg/L
⌊ >	Bi	209	348136.126	348136.126				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	Cr	51.941	
|	Cr	52.941	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
| >	Ge	71.922	97.610
⌊	As	74.922	
	Rh	102.905	
⌈	Pb	207.977	
⌊ >	Bi	208.980	95.484

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	492350.027	5386.593		mg/L
Cr	52	134807.550	0.371	0.012967	mg/L
Cr	53	15036.968	0.043	0.012870	mg/L
Cu	63	359980.873	1.078	0.063366	mg/L
Cu	65	175595.901	0.528	0.063189	mg/L
Zn	66	298593.201	0.894	0.189584	mg/L
Zn	68	218838.940	0.654	0.192653	mg/L
Ge	72	333756.798	333756.798		mg/L
As	75	15598.880	0.044	0.007612	mg/L
Rh	103	386763.819	22076.858		mg/L
Pb	208	2777741.339	7.841	0.103508	mg/L
Bi	209	354169.582	354169.582		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	491137.672	6598.948		mg/L

Sample ID: 1001382-06
Report Date/Time: Wednesday, February 03, 2010 21:35:19

: 00717

	Cr	52	133292 508	0 373	0 013038	mg/L
	Cr	53	15331 580	0 046	0 013289	mg/L
	Cu	63	363868 798	1 107	0 065082	mg/L
	Cu	65	175181 178	0 539	0 084008	mg/L
	Zn	66	300803 184	0 916	0 193984	mg/L
	Zn	68	213157 081	0 647	0.180584	mg/L
	Ge	72	328646 809	328646 809		mg/L
	As	75	15667 889	0 048	0 007871	mg/L
	Rh	103	380843 828	27298 648		mg/L
	Pb	208	2743946 048	8 025	0 105028	mg/L
	Bi	209	341887 280	341887 280		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	508130.803	7394 283		mg/L
Cr	52	130440.547	0 380	0 012581	mg/L
Cr	53	14475.788	0 042	0 012388	mg/L
Cu	63	348742.171	1 053	0 081880	mg/L
Cu	65	166048 688	0 509	0 081142	mg/L
Zn	66	296796 541	0 893	0 189387	mg/L
Zn	68	215229 536	0 647	0 180448	mg/L
Ge	72	332038 487	332038 487		mg/L
As	75	15720 181	0 048	0 007718	mg/L
Rh	103	383808 784	23931 720		mg/L
Pb	208	2686437 838	7 739	0 102110	mg/L
Bi	209	348371 556	348371 556		mg/L

00718

Sample Information

Sample ID: 1000891-MS1
Autosampler Position: 50
Sample Date/Time: Wednesday, February 03, 2010 21:37:01
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1000891-MS1.056
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

x2 Dr

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	494185.735	-3550.885				mg/L
⌈	Cr	52	299995.549	0.879	0.030729	0.001	2.046	mg/L
|	Cr	53	34599.611	0.104	0.030552	0.000	0.246	mg/L
|	Cu	63	438515.244	1.332	0.078311	0.000	0.534	mg/L
|	Cu	65	211791.955	0.643	0.077322	0.001	1.559	mg/L
|	Zn	66	349279.530	1.061	0.224967	0.003	1.332	mg/L
|	Zn	68	252373.979	0.766	0.225455	0.003	1.145	mg/L
| >	Ge	72	329012.618	329012.618				mg/L
⌊	As	75	53070.197	0.159	0.027237	0.000	0.637	mg/L
	Rh	103	378661.626	-29178.849				mg/L
⌈	Pb	208	3045181.871	8.920	0.117753	0.002	1.942	mg/L
⌊ >	Bi	209	341345.376	341345.376				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	Cr	51.941	
|	Cr	52.941	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
| >	Ge	71.922	96.883
⌊	As	74.922	
	Rh	102.905	
⌈	Pb	207.977	
⌊ >	Bi	208.980	93.622

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	489080.088	6646.552		mg/L
Cr	52	299328.940	0.878	0.030694	mg/L
Cr	53	34464.288	0.103	0.030467	mg/L
Cu	63	440586.805	1.340	0.078783	mg/L
Cu	65	212138.118	0.646	0.077536	mg/L
Zn	66	345677.588	1.051	0.222840	mg/L
Zn	68	253347.133	0.770	0.226588	mg/L
Ge	72	328617.497	328617.497		mg/L
As	75	53370.328	0.160	0.027428	mg/L
Rh	103	379468.081	28382.384		mg/L
Pb	208	3014284.858	8.724	0.115162	mg/L
Bi	209	345434.938	345434.938		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	497745.439	8.819		mg/L

: 00719

[	Cr	52	304294.484	0.897	0.031375	mg/L
]	Cr	53	34482.279	0.104	0.030811	mg/L
[	Cu	63	434511.100	1.328	0.078068	mg/L
[	Cu	65	213810.175	0.652	0.078407	mg/L
[	Zn	66	352523.020	1.077	0.226394	mg/L
[	Zn	68	252824.541	0.772	0.227276	mg/L
[>	Ge	72	327075.061	327075.061		mg/L
[	As	75	52886.533	0.156	0.027199	mg/L
	Rh	103	372371.280	-35469.194		mg/L
[	Pb	208	3072884.389	9.052	0.119488	mg/L
[>	Bi	209	339388.013	339388.013		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Limit
	Li	6	486721.888	-2014.922	mg/L
[	Cr	52	298388.252	0.881	0.030119 mg/L
[	Cr	53	34872.288	0.104	0.030878 mg/L
[	Cu	63	440347.825	1.328	0.078084 mg/L
[	Cu	65	209729.872	0.633	0.078024 mg/L
[	Zn	66	348737.972	1.056	0.223688 mg/L
[	Zn	68	250860.283	0.756	0.222500 mg/L
[>	Ge	72	331348.306	331348.306	mg/L
[	As	75	53153.728	0.158	0.027086 mg/L
	Rh	103	384156.907	23684.988	mg/L
[	Pb	208	3048685.368	8.988	0.118810 mg/L
[>	Bi	209	339218.178	339218.178	mg/L

Sample ID: 1000891-MS1
Report Date/Time: Wednesday, February 03, 2010 21:37:59

Sample Information

Sample ID: 1000891-MSD1
Autosampler Position: 51
Sample Date/Time: Wednesday, February 03, 2010 21:39:41
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1000891-MSD1.057
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

x2 Dw

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	493996.196	-3740.424				mg/L
[	Cr	52	297704.564	0.866	0.030279	0.000	0.915	mg/L
|	Cr	53	34617.379	0.103	0.030371	0.001	2.625	mg/L
|	Cu	63	422093.431	1.274	0.074889	0.000	0.368	mg/L
|	Cu	65	203121.007	0.613	0.073675	0.001	1.522	mg/L
|	Zn	66	312251.402	0.942	0.199797	0.004	1.930	mg/L
|	Zn	68	224995.336	0.678	0.199642	0.001	0.604	mg/L
|>	Ge	72	331160.010	331160.010				mg/L
[	As	75	58078.322	0.173	0.029649	0.000	0.843	mg/L
	Rh	103	372349.895	-35490.580				mg/L
[	Pb	208	2696240.226	7.885	0.104085	0.001	0.978	mg/L
[>	Bi	209	341893.858	341893.858				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
[	Cr	51.941	
|	Cr	52.941	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.516
[	As	74.922	
	Rh	102.905	
[	Pb	207.977	
[>	Bi	208.980	93.772

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	495194.974	2541.648		mg/L
Cr	52	297803.818	0.871	0.030472	mg/L
Cr	53	34854.178	0.104	0.030759	mg/L
Cu	63	420583.288	1.277	0.075066	mg/L
Cu	65	204414.729	0.621	0.074573	mg/L
Zn	66	317244.120	0.983	0.204174	mg/L
Zn	68	223054.382	0.678	0.198074	mg/L
Ge	72	329232.882	329232.882		mg/L
As	75	58282.606	0.175	0.029935	mg/L
Rh	103	375858.898	-31984.578		mg/L
Pb	208	2714570.664	7.898	0.104228	mg/L
Bi	209	343715.901	343715.901		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	496825.437	3068.817		mg/L

: 00721

	Cr	52	297577.078	0.857	0.029982	mg/L
	Cr	53	33919.688	0.100	0.029454	mg/L
	Cu	63	424397.288	1.269	0.074871	mg/L
	Cu	65	201613.758	0.603	0.072418	mg/L
	Zn	66	312989.588	0.935	0.198318	mg/L
	Zn	68	226257.840	0.675	0.198825	mg/L
	Ge	72	334378.910	334378.910		mg/L
	As	75	58306.910	0.172	0.029475	mg/L
	Rh	103	374382.977	-33447.487		mg/L
	Pb	208	2697384.910	7.803	0.103003	mg/L
	Bi	209	345601.724	345601.724		mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Li	6	488988.177	-10768.444		mg/L
	Cr	52	297733.395	0.670	0.030404	mg/L
	Cr	53	35078.273	0.105	0.030898	mg/L
	Cu	63	421299.718	1.277	0.075038	mg/L
	Cu	65	203334.536	0.616	0.074036	mg/L
	Zn	66	308540.519	0.929	0.195889	mg/L
	Zn	68	225673.787	0.683	0.201028	mg/L
	Ge	72	329866.227	329866.227		mg/L
	As	75	57638.452	0.172	0.029536	mg/L
	Rh	103	368800.811	-41038.663		mg/L
	Pb	208	2676766.103	7.958	0.105023	mg/L
	Bi	209	336363.949	336363.949		mg/L

Sample ID: 1000891-MSD1
Report Date/Time: Wednesday, February 03, 2010 21:40:39
Page 2

Sample Information

Sample ID: 0B03065-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, February 03, 2010 21:42:20
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-CCV.058
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	487193.727	-10542.894				mg/L
⌈	Cr	52	377045.554	1.123	0.039256	0.001	1.378	mg/L
|	Cr	53	43337.188	0.131	0.038714	0.000	0.685	mg/L
|	Cu	63	222823.004	0.682	0.040109	0.000	0.447	mg/L
|	Cu	65	106172.332	0.325	0.039068	0.000	0.760	mg/L
|	Zn	66	60682.346	0.185	0.039287	0.001	2.662	mg/L
|	Zn	68	44818.634	0.136	0.040058	0.001	2.153	mg/L
\>	Ge	72	326255.444	326255.444				mg/L
⌊	As	75	78301.592	0.238	0.040719	0.000	0.616	mg/L
	Rh	103	388112.769	-19727.705				mg/L
⌈	Pb	208	1050644.842	3.060	0.040396	0.000	0.862	mg/L
⌊>	Bi	209	343123.048	343123.048				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	Cr	51.941	
|	Cr	52.941	
|	Cu	62.930	
⌊	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
\>	Ge	71.922	96.071
⌊	As	74.922	
	Rh	102.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	94.109

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	487438.706	-10297.816		mg/L
⌈	Cr	52	377944.932	1.118	0.039078	mg/L
|	Cr	53	43881.879	0.132	0.038882	mg/L
|	Cu	63	225197.088	0.689	0.040287	mg/L
|	Cu	65	105863.080	0.322	0.038725	mg/L
|	Zn	66	59280.567	0.180	0.038114	mg/L
|	Zn	68	44186.567	0.133	0.039199	mg/L
\>	Ge	72	328449.005	328448.005		mg/L
⌊	As	75	78784.432	0.239	0.040886	mg/L
	Rh	103	388614.903	22325.671		mg/L
⌈	Pb	208	1039152.748	3.039	0.040087	mg/L
⌊>	Bi	209	341896.588	341896.588		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	486511.525	8225.098		mg/L

: 00723

	Cr	52	379300.016	1.140	0.038883	mg/L
	Cr	53	42633.278	0.130	0.038428	mg/L
	Cu	63	219747.174	0.679	0.038916	mg/L
	Cu	65	105645.583	0.328	0.039228	mg/L
	Zn	66	61416.520	0.189	0.040121	mg/L
	Zn	68	45372.100	0.139	0.040923	mg/L
I>	Ge	72	323329.121	323329.121		mg/L
	As	75	78088.466	0.238	0.040880	mg/L
	Rh	103	391080.614	-16758.881		mg/L
	Pb	208	1058108.089	3.084	0.040313	mg/L
I>	Bi	209	346288.808	346288.808		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	484630.851	-13106.888		mg/L
Cr	52	373891.712	1.110	0.038828	mg/L
Cr	53	43488.407	0.131	0.038762	mg/L
Cu	63	223524.753	0.683	0.040147	mg/L
Cu	65	108818.324	0.327	0.038253	mg/L
Zn	66	61349.981	0.187	0.039527	mg/L
Zn	68	44817.234	0.136	0.040061	mg/L
I> Ge	72	329888.207	329888.207		mg/L
As	75	78024.889	0.238	0.040481	mg/L
Rh	103	387742.791	20097.884		mg/L
Pb	208	1054673.882	3.088	0.040778	mg/L
I> Bi	208	341208.770	341208.770		mg/L

Sample Information

Sample ID: 0B03065-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, February 03, 2010 21:44:59
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-CCB.059
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	487060.903	-10675.717				mg/L
[	Cr	52	10265.809	-0.001	-0.000034	0.000	54.750	mg/L
|	Cr	53	495.689	-0.000	-0.000018	0.000	45.219	mg/L
|	Cu	63	224.672	0.000	0.000005	0.000	77.656	mg/L
|	Cu	65	135.003	0.000	0.000010	0.000	39.281	mg/L
|	Zn	66	326.011	0.000	0.000057	0.000	38.673	mg/L
|	Zn	68	496.356	0.000	0.000065	0.000	23.758	mg/L
|>	Ge	72	320082.418	320082.418				mg/L
[	As	75	516.694	-0.001	-0.000118	0.000	36.845	mg/L
	Rh	103	390250.310	-17590.164				mg/L
[	Pb	208	918.700	0.001	0.000012	0.000	19.344	mg/L
[>	Bi	209	341455.989	341455.989				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
[	Cr	51.941	
|	Cr	52.941	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	94.254
[	As	74.922	
	Rh	102.905	
[	Pb	207.977	
[>	Bi	208.980	93.652

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	486713.558	9023.081		mg/L
[	Cr	52	10416.694	-0.001	0.000029	mg/L
|	Cr	53	509.023	-0.000	0.000010	mg/L
|	Cu	63	250.007	0.002	0.000009	mg/L
|	Cu	65	141.003	0.000	0.000013	mg/L
|	Zn	66	298.009	0.000	0.000035	mg/L
|	Zn	68	482.021	0.000	0.000047	mg/L
|>	Ge	72	323364.220	323364.220		mg/L
[	As	75	451.519	-0.001	0.000158	mg/L
	Rh	103	384772.424	23068.060		mg/L
[	Pb	208	939.034	0.001	0.000012	mg/L
[>	Bi	209	341657.824	341657.824		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	486888.653	8867.956		mg/L

: 00725

[	Cr	52	10313.644	-0.001	-0.000018	mg/L
I	Cr	53	492.022	-0.009	-0.000017	mg/L
I	Cu	63	216.008	0.000	0.000004	mg/L
I	Cu	65	122.002	0.000	0.000005	mg/L
I	Zn	66	323.011	0.000	0.000057	mg/L
I	Zn	68	503.023	0.000	0.000075	mg/L
I>	Ge	72	317121.688	317121.688		mg/L
L	As	75	492.987	-0.001	-0.000128	mg/L
	Rh	103	392383.871	-15486.804		mg/L
[	Pb	208	956.029	0.001	0.000009	mg/L
L>	Bi	209	342328.448	342328.448		mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Li	6	483600.488	-14138.123		mg/L
[	Cr	52	10087.180	-0.003	-0.000055	mg/L
I	Cr	53	488.021	-0.000	-0.000038	mg/L
I	Cu	63	208.008	0.000	0.000002	mg/L
I	Cu	65	142.003	0.000	0.000013	mg/L
I	Zn	66	358.013	0.000	0.000079	mg/L
I	Zn	68	504.023	0.000	0.000072	mg/L
I>	Ge	72	319771.188	319771.188		mg/L
L	As	75	606.987	-0.000	-0.000070	mg/L
	Rh	103	393624.837	-14215.838		mg/L
[	Pb	208	962.036	0.001	0.000014	mg/L
L>	Bi	209	340184.700	340184.700		mg/L

Sample Information

Sample ID: 0B03065-SRD4
Autosampler Position: 52
Sample Date/Time: Wednesday, February 03, 2010 21:47:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-SRD4.060
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

X10

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	485203.318	-12533.302				mg/L
⌈	Cr	52	34931.912	0.073	0.002545	0.000	1.689	mg/L
|	Cr	53	3427.523	0.009	0.002590	0.000	2.234	mg/L
|	Cu	63	73309.683	0.222	0.013022	0.000	0.535	mg/L
|	Cu	65	35320.485	0.107	0.012822	0.000	2.235	mg/L
|	Zn	66	62264.832	0.188	0.039849	0.000	0.247	mg/L
|	Zn	68	44941.395	0.135	0.039701	0.000	0.692	mg/L
|>	Ge	72	330021.385	330021.385				mg/L
⌊	As	75	3445.579	0.008	0.001394	0.000	0.456	mg/L
	Rh	103	389373.778	-18466.696				mg/L
⌈	Pb	208	562545.314	1.628	0.021489	0.000	1.445	mg/L
⌊>	Bi	209	345235.812	345235.812				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	Cr	51.941	
|	Cr	52.941	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.180
⌊	As	74.922	
	Rh	102.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	94.689

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	490168.150	-7571.470		mg/L
Cr	52	35578.744	0.074	0.002584	mg/L
Cr	53	3382.835	0.009	0.002525	mg/L
Cu	63	73443.375	0.220	0.012941	mg/L
Cu	65	35661.809	0.107	0.012802	mg/L
Zn	66	62592.876	0.187	0.039740	mg/L
Zn	68	45084.187	0.134	0.039481	mg/L
Ge	72	332666.812	332666.812		mg/L
As	75	3458.251	0.008	0.001387	mg/L
Rh	103	387888.441	-19951.033		mg/L
Pb	208	564818.481	1.603	0.021158	mg/L
Bi	209	351977.054	351977.054		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	475368.448	22368.173		mg/L

: 00727

f	Cr	52	34204.040	0.071	0.002466	mg/L
i	Cr	53	3416.851	0.008	0.002805	mg/L
i	Cu	63	72911.997	0.222	0.013080	mg/L
i	Cu	65	35632.008	0.109	0.013117	mg/L
i	Zn	66	61867.391	0.188	0.039830	mg/L
i	Zn	68	44482.336	0.136	0.039801	mg/L
i>	Ge	72	327248.788	327248.788		mg/L
i	As	75	3421.158	0.008	0.001386	mg/L
	Rh	103	380435.725	-17404.750		mg/L
f	Pb	208	556316.214	1.631	0.021533	mg/L
i>	Bi	209	342469.488	342469.488		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	490078.388	-7889.884		mg/L
Cr	52	35012.853	0.073	0.002563	mg/L
Cr	53	3482.884	0.008	0.002838	mg/L
Cu	63	73573.707	0.223	0.013083	mg/L
Cu	65	34577.837	0.104	0.012548	mg/L
Zn	66	62334.430	0.189	0.039978	mg/L
Zn	68	45307.682	0.138	0.040012	mg/L
i>	Ge	330148.784	330148.784		mg/L
i	As	3458.318	0.008	0.001389	mg/L
	Rh	388786.188	-18044.306		mg/L
f	Pb	563601.246	1.680	0.021778	mg/L
i>	Bi	341230.882	341230.882		mg/L

Sample Information

Sample ID: 1000891-PS4
Autosampler Position: 53
Sample Date/Time: Wednesday, February 03, 2010 21:50:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\1000891-PS4.061
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	494154.485	-3582.136				mg/L
⌈	Cr	52	306992.655	0.900	0.031473	0.001	1.614	mg/L
|	Cr	53	36142.571	0.108	0.031938	0.000	1.242	mg/L
|	Cu	63	466609.957	1.418	0.083331	0.000	0.263	mg/L
|	Cu	65	223364.212	0.679	0.081551	0.001	1.107	mg/L
|	Zn	66	326077.938	0.990	0.210011	0.002	0.952	mg/L
|	Zn	68	235316.837	0.714	0.210192	0.002	0.913	mg/L
|>	Ge	72	329004.726	329004.726				mg/L
⌊	As	75	51696.071	0.155	0.026523	0.000	1.313	mg/L
	Rh	103	378742.995	-29097.479				mg/L
⌈	Pb	208	3194594.779	9.446	0.124691	0.003	2.101	mg/L
⌊>	Bi	209	338240.075	338240.075				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	Cr	51.941	
|	Cr	52.941	
|	Cu	62.930	
|	Cu	64.928	
⌈	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.881
⌊	As	74.922	
	Rh	102.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	92.770

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	499037.068	1300.448		mg/L
Cr	52	304312.188	0.883	0.030891	mg/L
Cr	53	35981.668	0.107	0.031480	mg/L
Cu	63	472321.948	1.422	0.083584	mg/L
Cu	65	223084.298	0.672	0.080701	mg/L
Zn	66	327489.407	0.998	0.208998	mg/L
Zn	68	235467.529	0.708	0.208401	mg/L
Ge	72	332028.987	332028.987		mg/L
As	75	51484.668	0.153	0.026187	mg/L
Rh	103	378623.497	29216.978		mg/L
Pb	208	3208008.848	9.227	0.121797	mg/L
Bi	209	347813.945	347813.945		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	489265.818	8450.803		mg/L

: 00729

	Cr	52	309729.806	0.910	0.031828	mg/L
	Cr	53	36332.532	0.109	0.032172	mg/L
	Cu	63	464879.581	1.418	0.083191	mg/L
	Cu	65	222656.241	0.678	0.081482	mg/L
	Zn	66	329895.891	1.001	0.212313	mg/L
	Zn	68	237107.478	0.721	0.212218	mg/L
	Ge	72	328339.121	328339.121		mg/L
	As	75	51628.344	0.156	0.026549	mg/L
	Rh	103	377511.908	-30328.588		mg/L
	Pb	208	3175812.680	9.488	0.125374	mg/L
	Bi	209	334278.384	334278.384		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	494140.588	-3596.063		mg/L
Cr	52	308836.973	0.907	0.031700	mg/L
Cr	53	36133.524	0.108	0.032162	mg/L
Cu	63	462829.342	1.416	0.083217	mg/L
Cu	65	224352.102	0.688	0.082488	mg/L
Zn	66	321758.618	0.984	0.208722	mg/L
Zn	68	233375.804	0.713	0.209667	mg/L
Ge	72	328646.070	328646.070		mg/L
As	75	51877.702	0.157	0.026683	mg/L
Rh	103	380083.584	27746.881		mg/L
Pb	208	3200262.600	9.614	0.126902	mg/L
Bi	209	332827.918	332827.918		mg/L

: 00730

Sample Information

Sample ID: 0B03065-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, February 03, 2010 21:52:57
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-CCV.062
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	484242.879	-13493.742				mg/L
⌈	Cr	52	370022.491	1.098	0.038409	0.001	3.533	mg/L
|	Cr	53	43354.948	0.131	0.038637	0.001	2.036	mg/L
|	Cu	63	229222.284	0.700	0.041162	0.001	1.693	mg/L
|	Cu	65	107707.779	0.329	0.039531	0.000	0.422	mg/L
|	Zn	66	60740.832	0.185	0.039216	0.000	0.570	mg/L
|	Zn	68	44103.519	0.134	0.039307	0.000	0.586	mg/L
|>	Ge	72	327099.256	327099.256				mg/L
⌊	As	75	78266.255	0.237	0.040598	0.001	1.525	mg/L
	Rh	103	384106.796	-23733.678				mg/L
⌈	Pb	208	1034786.962	3.022	0.039896	0.000	0.409	mg/L
⌊>	Bi	209	342169.575	342169.575				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	Cr	51.941	
|	Cr	52.941	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.320
⌊	As	74.922	
	Rh	102.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	93.848

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	481377.602	-16356.018		mg/L
⌈	Cr	52	364817.934	1.067	0.037316	mg/L
|	Cr	53	43125.223	0.128	0.037689	mg/L
|	Cu	63	229287.208	0.691	0.040803	mg/L
|	Cu	65	108691.808	0.327	0.039344	mg/L
|	Zn	66	61895.634	0.186	0.039417	mg/L
|	Zn	68	44420.135	0.133	0.039042	mg/L
|>	Ge	72	331646.923	331646.923		mg/L
⌊	As	75	77982.324	0.233	0.039889	mg/L
	Rh	103	386189.908	-21670.588		mg/L
⌈	Pb	208	1038631.554	3.029	0.039831	mg/L
⌊>	Bi	209	342578.140	342578.140		mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Li	6	484666.160	-13071.461		mg/L

: 00731

f	Cr	52	366462.761	1.008	0.037992	mg/L
I	Cr	53	43202.969	0.131	0.038563	mg/L
I	Cu	63	227608.771	0.668	0.040841	mg/L
I	Cu	65	107874.559	0.330	0.038893	mg/L
I	Zn	66	60881.354	0.186	0.038256	mg/L
I	Zn	68	44182.729	0.134	0.038488	mg/L
I>	Ge	72	328608.819	328608.819		mg/L
L	As	75	78856.918	0.239	0.040872	mg/L
	Rh	103	383348.847	24491.629		mg/L
f	Pb	208	1037321.875	3.033	0.040038	mg/L
I>	Bi	209	341784.433	341784.433		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	480886.874	-11080.748		mg/L
Cr	52	379886.777	1.142	0.039629	mg/L
Cr	53	43736.632	0.134	0.039469	mg/L
Cu	63	230770.872	0.714	0.041943	mg/L
Cu	65	108556.980	0.329	0.039587	mg/L
Zn	66	59536.907	0.184	0.038975	mg/L
Zn	68	43997.992	0.134	0.039422	mg/L
I>	Ge	72	323141.927	323141.927		mg/L
L	As	75	76149.522	0.240	0.041033	mg/L
	Rh	103	382801.634	-25038.840		mg/L
f	Pb	208	1030107.458	3.008	0.039719	mg/L
I>	Bi	209	342146.152	342146.152		mg/L

Sample Information

Sample ID: 0B03065-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, February 03, 2010 21:55:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B03065.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0B03065\0B03065-CCB.063
Tuning File: C:\elandata\Tuning\03feb2010_6020a_b.tun
Optimization File: C:\elandata\Optimize\03feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	484845.399	-12891.222				mg/L
⌈	Cr	52	10622.666	-0.001	-0.000026	0.000	77.940	mg/L
|	Cr	53	488.022	-0.000	-0.000037	0.000	24.021	mg/L
|	Cu	63	225.672	0.000	0.000004	0.000	13.223	mg/L
|	Cu	65	121.002	0.000	0.000003	0.000	149.027	mg/L
|	Zn	66	364.013	0.000	0.000076	0.000	23.630	mg/L
|	Zn	68	481.688	0.000	0.000040	0.000	62.751	mg/L
\>	Ge	72	328968.385	328968.385				mg/L
⌊	As	75	383.218	-0.001	-0.000195	0.000	21.341	mg/L
	Rh	103	390807.216	-17033.259				mg/L
⌈	Pb	208	907.031	0.001	0.000011	0.000	10.578	mg/L
⌊>	Bi	209	344859.696	344859.696				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	Cr	51.941	
|	Cr	52.941	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
\>	Ge	71.922	96.870
⌊	As	74.922	
	Rh	102.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	94.586

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	478736.648	-16998.874		mg/L
⌈	Cr	52	10635.018	-0.001	-0.000040	mg/L
|	Cr	53	504.023	-0.000	-0.000029	mg/L
|	Cu	63	230.008	0.000	0.000004	mg/L
|	Cu	65	107.002	-0.000	-0.000002	mg/L
|	Zn	66	339.011	0.000	0.000066	mg/L
|	Zn	68	511.023	0.000	0.000080	mg/L
\>	Ge	72	333468.801	333468.801		mg/L
⌊	As	75	471.080	-0.001	0.000163	mg/L
	Rh	103	392841.534	-17198.940		mg/L
⌈	Pb	208	908.032	0.001	0.000011	mg/L
⌊>	Bi	209	345098.231	345098.231		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	492971.798	-4764.823		mg/L

Sample ID: 0B03065-CCB
Report Date/Time: Wednesday, February 03, 2010 21:56:33

[	Cr	52	10817.982	-0.008	-0.000003	mg/L
I	Cr	53	479.021	-0.000	-0.000036	mg/L
I	Cu	63	223.008	0.000	0.000004	mg/L
I	Cu	65	130.002	0.000	0.000008	mg/L
I	Zn	66	381.014	0.000	0.000082	mg/L
I	Zn	68	460.021	0.000	0.000047	mg/L
I>	Ge	72	322082.781	322082.781		mg/L
L	As	75	371.669	-0.001	-0.000197	mg/L
	Rh	103	398130.660	21709.984		mg/L
[	Pb	208	870.029	0.001	0.000010	mg/L
I>	Br	209	342348.512	342348.512		mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Li	6	482827.752	14908.889		mg/L
[	Cr	52	10814.986	-0.001	-0.000038	mg/L
I	Cr	53	481.021	-0.000	-0.000046	mg/L
I	Cu	63	224.006	0.000	0.000003	mg/L
I	Cu	65	126.002	0.000	0.000005	mg/L
I	Zn	66	372.013	0.000	0.000078	mg/L
I	Zn	68	454.019	0.000	0.000012	mg/L
I>	Ge	72	331373.573	331373.573		mg/L
L	As	75	308.925	-0.001	-0.000236	mg/L
	Rh	103	395849.232	-12191.242		mg/L
[	Pb	208	943.033	0.001	0.000012	mg/L
I>	Br	209	347132.346	347132.346		mg/L

Sample ID: 0B03065-CCB
Report Date/Time: Wednesday, February 03, 2010 21:56:33

2/8 due 2/9

TriMatrix Laboratories, Inc. Cal ID: 0B08014

Metals Laboratory Instrument Run Sequence

Instrument #: 201 Data File: 0B08082

Date: 2/8/10 Calibration BLK/ICB/CCB: 2.5%HNO3#1109060 5%HCl#410905(

Analyst: MSM Internal Standard #: 9110470

All samples are run at a 5x dilution which is accounted for on the prep benchsheet

Autosampler Position: 96 0.1

1. BLK/ICB/CCB/9120104
2. ICV/SCV/CCV 40ug/L 0010905
3. STD2 0.2 ug/L 9120110
4. STD3 1.0 ug/L 9120109
5. STD4 10 ug/L 9120108
6. STD5 20 ug/L 9120107
7. STD6 50 ug/L 9120106
8. STD7 100 ug/L 9120105
9.
10. IFA1 0010906
11. IFB1 0010907

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	1000842-BLK1				35/51	1001382-07			
2/18	-BS1				36/52	-08			
3/19	1001350-01				37/53	-09			
4/20	-02				38/54	1001350-10	1	10	10
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	-13				49/65				
16/32	-14				50/66				
17/33	-15				51/67				
18/34	-16				52/68				
19/35	-MS1				53/69				
20/36	-MSD1				54/70				
21/37	-SD1	0.4	10	25	55/71				
22/38	-PS1				56/72				
23/39	1000929-BLK1				57/73				
24/40	-BS1				58/74				
25/41	1001382-01				59/75				
26/42	-02				60/76				
27/43	-03				61/77				
28/44	-04				62/78				
29/45	-05				63/79				
30/46	-06				64/80				
31/47	-MS1				65/81				
32/48	-MSD1				66/82				
33/49	-SD2	0.4	10	25	67/83				
34/50	-PS1				68/84				

Instrument Tuning Report

File Name: 08FEB2010_6020A_A.tun
File Path: C:\Elandata\Tuning

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
Li	7.016	6.975	1546	2020	0.879	
Co	58.933	58.929	14189	2050	0.861	
In	114.904	114.878	27798	2095	0.845	
Ba	137.905	137.929	33398	2110	0.840	
Ce	139.905	139.929	33897	2115	0.849	
Tl	204.975	205.027	49721	2180	0.829	

: 00736

Daily Performance Report

Sample ID: 0010896
Sample Date/Time: Monday, February 08, 2010 09:55:41
Sample Description:
Method File: c:\elandata\Method\6020A_Daily.mth
Dataset File: c:\elandata\Dataset\default\0010896.4343
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_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	13878.2	13878.221	387.644	2.8
	Co	58.9	188248.0	188247.961	3631.820	1.9
	In	114.9	410585.0	410585.018	5307.237	1.3
	Tl	205.0	277465.5	277465.494	2931.791	1.1
⌈>	Ba	137.9	337746.2	337746.229	4265.011	1.3
⌊	Ba++	69.0	7773.8	0.023	0.000	1.6
⌈>	Ce	139.9	419762.5	419762.547	3979.627	0.9
⌊	CeO	155.9	10197.4	0.024	0.001	2.7
	Bkgd	220.0	13.0	13.000	3.521	27.1

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	14418.463	14418.463
Co	59	184967.241	184967.241
In	115	406615.940	406615.940
Tl	205	276801.026	276801.026
Ba	138	334052.144	334052.144
Ba++	69	7517.389	0.023
Ce	140	416786.370	416786.370
CeO	156	10385.467	0.025
Bkgd	220	13.000	13.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	13410.782	13410.782
Co	59	183087.406	183087.406
In	115	403327.323	403327.323
Tl	205	277285.748	277285.748
Ba	138	335846.597	335846.597
Ba++	69	7708.564	0.023
Ce	140	418541.119	418541.119
CeO	156	10501.613	0.025
Bkgd	220	11.000	11.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	14149.001	14149.001
Co	59	188325.206	188325.206
In	115	412885.068	412885.068
Tl	205	274099.909	274099.909
Ba	138	332339.414	332339.414
Ba++	69	7828.676	0.024
Ce	140	416422.857	416422.857
CeO	156	9909.889	0.024
Bkgd	220	10.000	10.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	14052.839	14052.839
Co	59	189595.529	189595.529
In	115	411800.894	411800.894

Tl	205	281861.480	281861.480
Ba	138	339883.695	339883.695
Ba++	69	7901.744	0.023
Ce	140	417544.966	417544.966
CeO	156	9757.709	0.023
Bkgd	220	10.000	10.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	13657.182	13657.182
Co	59	192785.475	192785.475
In	115	418677.713	418677.713
Tl	205	274939.912	274939.912
Ba	138	342733.358	342733.358
Ba++	69	7818.666	0.023
Ce	140	423029.451	423029.451
CeO	156	10233.279	0.024
Bkgd	220	15.000	15.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	13581.058	13581.058
Co	59	190726.911	190726.911
In	115	410203.169	410203.169
Tl	205	279804.886	279804.886
Ba	138	341622.164	341622.164
Ba++	69	7867.712	0.023
Ce	140	426250.520	426250.520
CeO	156	10396.481	0.024
Bkgd	220	19.000	19.000

Sample/Batch Report

User Name: analystME
Computer Name: ELAN6100_08
Sample File: C:\Elandata\Sample\0B08022.sam
Report Date/Time: Monday, February 08, 2010 10:18:47

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
17		1000842-BLK1		Sample					
18		1000842-BS1		Sample					
19		1001350-01		Sample					
20		1001350-02		Sample					
21		1001350-03		Sample					
22		1001350-04		Sample					
23		1001350-05		Sample					
24		1001350-06		Sample					
25		1001350-07		Sample					
26		1001350-08		Sample					
27		1001350-09		Sample					
28		1001350-10		Sample					
29		1001350-11		Sample					
30		1001350-12		Sample					
31		1001350-13		Sample					
32		1001350-14		Sample					
33		1001350-15		Sample					
34		1001350-16		Sample					
35		1000842-MS1		Sample					
36		1000842-MSD1		Sample					
37		0B08022-SRD1		Sample					
38		1000842-PS1		Sample					
39		1000929-BLK1		Sample					
40		1000929-BS1		Sample					
41		1001382-01		Sample					
42		1001382-02		Sample					
43		1001382-03		Sample					
44		1001382-04		Sample					
45		1001382-05		Sample					
46		1001382-06		Sample					
47		1000929-MS1		Sample					
48		1000929-MSD1		Sample					
49		0B08022-SRD2		Sample					
50		1000929-PS1		Sample					
51		1001382-07		Sample					
52		1001382-08		Sample					
53		1001382-09		Sample					

Sample Information

Sample ID: Blank
Autosampler Position: 1
Sample Date/Time: Monday, February 08, 2010 10:22:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\Blank.001
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	296184.821					mg/L
	Sb	121	431.015					mg/L
	Sb	123	328.581					mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	294866.714			mg/L
Sb	121	415.014			mg/L
Sb	123	323.670			mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	300788.871			mg/L
Sb	121	439.016			mg/L
Sb	123	300.372			mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	292799.877			mg/L
Sb	121	439.016			mg/L
Sb	123	361.901			mg/L

00740

Sample Information

Sample ID: Standard 2
Autosampler Position: 3
Sample Date/Time: Monday, February 08, 2010 10:24:15
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\Standard 2.002
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	295374.560	295374.560				mg/L
	Sb	121	2795.497	0.008	0.000200	0.000	3.444	mg/L
	Sb	123	2103.313	0.006	0.000200	0.000	3.461	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	294388.827	294388.827		mg/L
Sb	121	2700.464	0.008	0.000193	mg/L
Sb	123	2151.408	0.008	0.000209	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	298045.847	298045.847		mg/L
Sb	121	2897.533	0.008	0.000208	mg/L
Sb	123	2056.636	0.006	0.000183	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	293680.808	293680.808		mg/L
Sb	121	2788.464	0.008	0.000201	mg/L
Sb	123	2102.886	0.008	0.000201	mg/L

Sample Information

Sample ID: Standard 3
Autosampler Position: 4
Sample Date/Time: Monday, February 08, 2010 10:26:22
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\Standard 3.003
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	297265.175	297265.175				mg/L
	Sb	121	12072.526	0.039	0.000999	0.000	0.976	mg/L
	Sb	123	9186.810	0.030	0.001000	0.000	1.582	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	299726.314	299726.314		mg/L
Sb	121	12040.613	0.039	0.000998	mg/L
Sb	123	9103.929	0.029	0.000992	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	296212.333	296212.333		mg/L
Sb	121	12054.833	0.039	0.001005	mg/L
Sb	123	9231.190	0.030	0.001012	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	296856.879	296856.879		mg/L
Sb	121	12121.931	0.039	0.001005	mg/L
Sb	123	9225.310	0.030	0.001005	mg/L

: 00742

Sample Information

Sample ID: Standard 4
Autosampler Position: 5
Sample Date/Time: Monday, February 08, 2010 10:28:30
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\Standard 4.004
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	296854.949	296854.949				mg/L
	Sb	121	118140.862	0.397	0.010001	0.000	1.858	mg/L
	Sb	123	91233.889	0.306	0.010003	0.000	0.329	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	292979.212	292979.212		mg/L
Sb	121	115984.721	0.394	0.009847	mg/L
Sb	123	90318.884	0.307	0.010033	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	294771.504	294771.504		mg/L
Sb	121	119744.375	0.406	0.010306	mg/L
Sb	123	90841.881	0.308	0.010056	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	302814.131	302814.131		mg/L
Sb	121	118983.480	0.391	0.009848	mg/L
Sb	123	92743.022	0.308	0.009868	mg/L

: 00743

Sample Information

Sample ID: Standard 5
Autosampler Position: 6
Sample Date/Time: Monday, February 08, 2010 10:30:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\Standard 5.005
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	In	115	304095.131	304095.131				mg/L
|	Sb	121	233157.835	0.765	0.019855	0.000	1.184	mg/L
L	Sb	123	180202.774	0.591	0.019859	0.000	0.682	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	In	114.904	
|	Sb	120.904	
L	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	In	115	303228.652	303228.652		mg/L
|	Sb	121	231531.627	0.762	0.018772	mg/L
L	Sb	123	179342.485	0.590	0.019621	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	In	115	302428.680	302428.680		mg/L
|	Sb	121	234863.286	0.776	0.020120	mg/L
L	Sb	123	178184.071	0.589	0.019748	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	In	115	308630.081	308630.081		mg/L
|	Sb	121	232958.384	0.758	0.019873	mg/L
L	Sb	123	183071.785	0.596	0.020008	mg/L

: 00744

Sample Information

Sample ID: Standard 6
Autosampler Position: 7
Sample Date/Time: Monday, February 08, 2010 10:32:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\Standard 6.006
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	310057.030	310057.030				mg/L
	Sb	121	576680.781	1.859	0.049695	0.001	2.226	mg/L
	Sb	123	444506.963	1.433	0.049674	0.001	1.601	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	315525.310	315525.310		mg/L
Sb	121	572086.859	1.812	0.048433	mg/L
Sb	123	446866.534	1.416	0.049078	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	305184.104	305184.104		mg/L
Sb	121	572843.843	1.878	0.050148	mg/L
Sb	123	445556.153	1.459	0.050577	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	309451.677	309451.677		mg/L
Sb	121	585011.843	1.888	0.050501	mg/L
Sb	123	440888.203	1.424	0.049368	mg/L

00745

Sample Information

Sample ID: Standard 7
Autosampler Position: 8
Sample Date/Time: Monday, February 08, 2010 10:34:59
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\Standard 7.007
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	In	115	317202.440	317202.440				mg/L
|	Sb	121	1158164.616	3.650	0.099429	0.000	0.291	mg/L
L	Sb	123	888938.070	2.801	0.099321	0.001	0.870	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	In	114.904	
|	Sb	120.904	
L	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	316388.237	316388.237		mg/L
|	Sb	121	1151234.288	3.637	0.099394	mg/L
L	Sb	123	885130.581	2.828	0.100274	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	315115.254	315115.254		mg/L
|	Sb	121	1153412.728	3.658	0.099891	mg/L
L	Sb	123	881140.322	2.795	0.099089	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	320122.827	320122.827		mg/L
|	Sb	121	1170948.830	3.695	0.099801	mg/L
L	Sb	123	895843.336	2.781	0.099380	mg/L

: 00746

Quantitative Analysis Calibration Report

File Name:
File Path:
Calibration Type: External Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
In	114.904	Linear Thru Zero	0.00	0.00	0.000000
Sb	120.904	Linear Thru Zero	36.71	0.00	0.999919
Sb	122.904	Linear Thru Zero	28.21	0.00	0.999893

Method Equation

Analyte	Mass	Corrections
In	114.904	- 0.014038 * Sn 118
Sb	122.904	- 0.125884 * Te 125

: 00747

Sample Information

Sample ID: 0B08022-SCV1
Autosampler Position: 2
Sample Date/Time: Monday, February 08, 2010 10:37:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\0B08022-SCV1.008
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	312792.516	312792.516				mg/L
	Sb	121	457352.757	1.461	0.039798	0.000	1.024	mg/L
	Sb	123	352009.215	1.124	0.039866	0.001	1.825	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	105.607
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	308865.884	308865.884		mg/L
	Sb	121	456459.508	1.478	0.040205	mg/L
	Sb	123	349128.679	1.129	0.040020	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	317888.983	317888.983		mg/L
	Sb	121	460053.304	1.446	0.039369	mg/L
	Sb	123	350871.574	1.102	0.039074	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	311513.280	311513.280		mg/L
	Sb	121	455545.481	1.461	0.039798	mg/L
	Sb	123	350229.383	1.142	0.040804	mg/L

: 00748

Sample Information

Sample ID: 0B08022-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 08, 2010 10:39:12
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\0B08022-CCB.009
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	309543.387	309543.387				mg/L
	Sb	121	1101.084	0.002	0.000057	0.000	5.304	mg/L
	Sb	123	828.532	0.002	0.000056	0.000	6.305	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	104.510
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	307586.865	307586.865		mg/L
Sb	121	1133.088	0.002	0.000061	mg/L
Sb	123	807.807	0.002	0.000054	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	308261.814	308261.814		mg/L
Sb	121	1084.081	0.002	0.000056	mg/L
Sb	123	860.284	0.002	0.000060	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	312781.483	312781.483		mg/L
Sb	121	1086.082	0.002	0.000056	mg/L
Sb	123	817.406	0.002	0.000053	mg/L

Sample Information

Sample ID: 0B08022-CRL1
Autosampler Position: 4
Sample Date/Time: Monday, February 08, 2010 10:41:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\0B08022-CRL1.010
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	306689.779	306689.779				mg/L
	Sb	121	12425.381	0.039	0.001064	0.000	0.740	mg/L
	Sb	123	9534.955	0.030	0.001063	0.000	2.731	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	103.547
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	307116.312	307116.312		mg/L
Sb	121	12353.273	0.039	0.001066	mg/L
Sb	123	9470.986	0.030	0.001064	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	306480.446	306480.446		mg/L
Sb	121	12418.370	0.039	0.001064	mg/L
Sb	123	8325.170	0.029	0.001039	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	306472.581	306472.581		mg/L
Sb	121	12504.500	0.039	0.001072	mg/L
Sb	123	9808.730	0.031	0.001086	mg/L

Sample Information

Sample ID: 0B08022-IFA1
Autosampler Position: 10
Sample Date/Time: Monday, February 08, 2010 10:43:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\0B08022-IFA1.011
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	302821.347	302821.347				mg/L
	Sb	121	697.703	0.001	0.000023	0.000	20.586	mg/L
	Sb	123	536.174	0.001	0.000023	0.000	5.563	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	102.241
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	304721.508	304721.508		mg/L
Sb	121	845.031	0.001	0.000018	mg/L
Sb	123	529.134	0.001	0.000022	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	298897.821	298897.821		mg/L
Sb	121	700.038	0.001	0.000024	mg/L
Sb	123	542.883	0.001	0.000028	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	303744.914	303744.914		mg/L
Sb	121	748.041	0.001	0.000027	mg/L
Sb	123	536.508	0.001	0.000023	mg/L

: 00751

Sample Information

Sample ID: 0B08022-IFB1
Autosampler Position: 11
Sample Date/Time: Monday, February 08, 2010 10:45:28
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\0B08022-IFB1.012
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	301028.462	301028.462				mg/L
	Sb	121	221702.739	0.735	0.020035	0.001	3.164	mg/L
	Sb	123	170829.862	0.567	0.020093	0.001	3.091	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	101.635
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	308584.525	308584.525		mg/L
	Sb	121	219828.941	0.712	0.018368	mg/L
	Sb	123	170115.880	0.554	0.019833	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	290881.256	290881.256		mg/L
	Sb	121	220958.151	0.758	0.020854	mg/L
	Sb	123	170868.100	0.587	0.020799	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	305819.802	305819.802		mg/L
	Sb	121	225523.124	0.736	0.020083	mg/L
	Sb	123	171405.638	0.560	0.019846	mg/L

: 00752

Sample Information

Sample ID: 0B08022-CCV

Autosampler Position: 2
Sample Date/Time: Monday, February 08, 2010 10:47:33
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\0B08022-CCV.013
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	312795.117	312795.117				mg/L
	Sb	121	452819.617	1.446	0.039400	0.001	1.814	mg/L
	Sb	123	347100.709	1.109	0.039305	0.000	0.645	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	105.608
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	312080.124	312080.124		mg/L
Sb	121	443832.080	1.421	0.038712	mg/L
Sb	123	346416.224	1.108	0.038314	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	310888.788	310888.788		mg/L
Sb	121	456203.429	1.473	0.040138	mg/L
Sb	123	346948.709	1.116	0.038553	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	315808.431	315808.431		mg/L
Sb	121	456323.343	1.444	0.039300	mg/L
Sb	123	347837.186	1.101	0.038047	mg/L

Sample Information

Sample ID: 0B08022-CCB 2
Autosampler Position: 1
Sample Date/Time: Monday, February 08, 2010 10:49:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\0B08022-CCB.014
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	309125.416	309125.416				mg/L
	Sb	121	857.719	0.001	0.000036	0.000	9.143	mg/L
	Sb	123	681.522	0.001	0.000039	0.000	26.740	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	104.369
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	305149.748	305149.748		mg/L
	Sb	121	858.053	0.001	0.000037	mg/L
	Sb	123	767.858	0.001	0.000080	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	308784.137	308784.137		mg/L
	Sb	121	880.088	0.001	0.000038	mg/L
	Sb	123	673.388	0.001	0.000039	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	312482.385	312482.385		mg/L
	Sb	121	825.048	0.001	0.000033	mg/L
	Sb	123	603.510	0.001	0.000029	mg/L

: 00754

Sample Information

Sample ID: 1000842-BLK1
Autosampler Position: 17
Sample Date/Time: Monday, February 08, 2010 10:51:44
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1000842-BLK1.015
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	308364.199	308364.199				mg/L
	Sb	121	713.038	0.001	0.000023	0.000	6.343	mg/L
	Sb	123	593.344	0.001	0.000029	0.000	10.659	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	104.112
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	308864.728	308864.728		mg/L
Sb	121	713.038	0.001	0.000023	mg/L
Sb	123	595.666	0.001	0.000026	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	311666.736	311666.736		mg/L
Sb	121	738.040	0.001	0.000028	mg/L
Sb	123	603.836	0.001	0.000029	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	304539.133	304539.133		mg/L
Sb	121	668.035	0.001	0.000022	mg/L
Sb	123	610.511	0.001	0.000032	mg/L

: 00755

Sample Information

Sample ID: 1000842-BS1
Autosampler Position: 18
Sample Date/Time: Monday, February 08, 2010 10:53:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1000842-BS1.016
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	317317.307	317317.307				mg/L
	Sb	121	443441.143	1.396	0.038032	0.000	0.317	mg/L
	Sb	123	342639.923	1.079	0.038243	0.001	1.386	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	107.135
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	313194.078	313194.078		mg/L
Sb	121	439081.816	1.400	0.038152	mg/L
Sb	123	335410.451	1.070	0.037830	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	319784.703	319784.703		mg/L
Sb	121	445488.867	1.392	0.037911	mg/L
Sb	123	342802.122	1.070	0.037843	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	318883.139	318883.139		mg/L
Sb	121	445772.547	1.398	0.038034	mg/L
Sb	123	348807.184	1.088	0.038654	mg/L

: 00756

Sample Information

Sample ID: 1001350-01
Autosampler Position: 19
Sample Date/Time: Monday, February 08, 2010 10:57:01
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1001350-01.017
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	302566.338	302566.338				mg/L
	Sb	121	17917.422	0.058	0.001574	0.000	0.918	mg/L
	Sb	123	13781.571	0.044	0.001576	0.000	2.691	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	102.155
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	297686.290	297686.290		mg/L
Sb	121	17804.177	0.058	0.001580	mg/L
Sb	123	13968.808	0.046	0.001624	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	306884.961	306884.961		mg/L
Sb	121	18120.862	0.058	0.001570	mg/L
Sb	123	13706.979	0.044	0.001545	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	303315.782	303315.782		mg/L
Sb	121	17827.226	0.057	0.001562	mg/L
Sb	123	13889.930	0.044	0.001558	mg/L

: 00757

Sample Information

Sample ID: 1001350-02
Autosampler Position: 20
Sample Date/Time: Monday, February 08, 2010 10:59:09
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1001350-02.018
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	300070.084	300070.084				mg/L
	Sb	121	42929.754	0.142	0.003859	0.000	3.051	mg/L
	Sb	123	33290.290	0.110	0.003895	0.000	1.987	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	101.312
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	304784.083	304784.083		mg/L
Sb	121	42380.918	0.138	0.003748	mg/L
Sb	123	33051.217	0.107	0.003808	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	297600.803	297600.803		mg/L
Sb	121	42434.189	0.141	0.003846	mg/L
Sb	123	33402.108	0.111	0.003840	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	297825.357	297825.357		mg/L
Sb	121	43874.157	0.146	0.003883	mg/L
Sb	123	33417.548	0.111	0.003839	mg/L

: 00758

Sample Information

Sample ID: 1001350-03
Autosampler Position: 21
Sample Date/Time: Monday, February 08, 2010 11:01:19
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1001350-03.019
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	295807.541	295807.541				mg/L
	Sb	121	99117.679	0.334	0.009089	0.000	1.513	mg/L
	Sb	123	75887.519	0.255	0.009056	0.000	2.560	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	99.873
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	298088.479	298088.479		mg/L
Sb	121	98563.676	0.332	0.008932	mg/L
Sb	123	73721.156	0.248	0.008788	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	294720.230	294720.230		mg/L
Sb	121	100453.829	0.338	0.009246	mg/L
Sb	123	78644.391	0.258	0.009181	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	298833.915	298833.915		mg/L
Sb	121	98315.533	0.330	0.008880	mg/L
Sb	123	77297.007	0.259	0.009188	mg/L

Sample Information

Sample ID: 1001350-04
Autosampler Position: 22
Sample Date/Time: Monday, February 08, 2010 11:03:29
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1001350-04.020
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	303282.438	303282.438				mg/L
	Sb	121	7989.575	0.025	0.000678	0.000	2.778	mg/L
	Sb	123	6279.780	0.020	0.000695	0.000	1.487	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	102.396
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	301978.282	301978.282		mg/L
	Sb	121	8033.951	0.025	0.000685	mg/L
	Sb	123	6329.529	0.020	0.000704	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	300288.317	300288.317		mg/L
	Sb	121	8070.987	0.025	0.000693	mg/L
	Sb	123	6238.588	0.020	0.000697	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	307580.708	307580.708		mg/L
	Sb	121	7863.787	0.024	0.000667	mg/L
	Sb	123	6271.228	0.019	0.000664	mg/L

: 00760

Sample Information

Sample ID: 1001350-05
Autosampler Position: 23
Sample Date/Time: Monday, February 08, 2010 11:05:39
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1001350-05.021
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	297717.548	297717.548				mg/L
	Sb	121	2905.536	0.008	0.000226	0.000	1.409	mg/L
	Sb	123	2423.790	0.007	0.000249	0.000	3.381	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	100.517
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	300698.189	300698.189		mg/L
Sb	121	2893.531	0.008	0.000223	mg/L
Sb	123	2394.783	0.007	0.000243	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	295329.838	295329.838		mg/L
Sb	121	2885.532	0.008	0.000227	mg/L
Sb	123	2464.891	0.007	0.000259	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	297268.516	297268.516		mg/L
Sb	121	2927.543	0.008	0.000229	mg/L
Sb	123	2391.686	0.007	0.000246	mg/L

00761

Sample Information

Sample ID: 1001350-06
Autosampler Position: 24
Sample Date/Time: Monday, February 08, 2010 11:07:46
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1001350-06.022
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	288422.532	288422.532				mg/L
	Sb	121	2911.538	0.009	0.000235	0.000	1.028	mg/L
	Sb	123	2329.981	0.007	0.000247	0.000	4.944	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	97.379
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	286388.118	286388.118		mg/L
Sb	121	2861.520	0.009	0.000233	mg/L
Sb	123	2250.008	0.007	0.000238	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	292102.018	292102.018		mg/L
Sb	121	2963.559	0.009	0.000237	mg/L
Sb	123	2308.138	0.007	0.000241	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	286777.462	286777.462		mg/L
Sb	121	2909.537	0.009	0.000237	mg/L
Sb	123	2430.801	0.007	0.000261	mg/L

00762

Sample Information

Sample ID: 1001350-07
Autosampler Position: 25
Sample Date/Time: Monday, February 08, 2010 11:09:49
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1001350-07.023
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	289852.862	289852.862				mg/L
	Sb	121	3876.942	0.012	0.000325	0.000	6.705	mg/L
	Sb	123	3022.154	0.009	0.000330	0.000	3.582	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	97.862
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	292047.431	292047.431		mg/L
Sb	121	3810.909	0.012	0.000316	mg/L
Sb	123	2938.374	0.009	0.000317	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	292480.750	292480.750		mg/L
Sb	121	3744.979	0.011	0.000309	mg/L
Sb	123	3074.289	0.009	0.000333	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	286050.406	286050.406		mg/L
Sb	121	4075.027	0.013	0.000350	mg/L
Sb	123	3053.788	0.010	0.000340	mg/L

Sample Information

Sample ID: 1001350-08
Autosampler Position: 26
Sample Date/Time: Monday, February 08, 2010 11:11:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1001350-08.024
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	286140.964	286140.964				mg/L
	Sb	121	1435.805	0.004	0.000097	0.000	4.508	mg/L
	Sb	123	1130.391	0.003	0.000101	0.000	2.451	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	96.609
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	283849.278	283849.278		mg/L
	Sb	121	1372.127	0.003	0.000092	mg/L
	Sb	123	1089.049	0.003	0.000096	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	288884.129	288884.129		mg/L
	Sb	121	1462.147	0.004	0.000100	mg/L
	Sb	123	1158.309	0.003	0.000103	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	285889.488	285889.488		mg/L
	Sb	121	1453.141	0.004	0.000099	mg/L
	Sb	123	1135.816	0.003	0.000102	mg/L

00764

Sample Information

Sample ID: 0B08022-CCV 3
Autosampler Position: 2
Sample Date/Time: Monday, February 08, 2010 11:13:58
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\0B08022-CCV.025
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	297088.486	297088.486				mg/L
	Sb	121	433838.471	1.459	0.039756	0.001	1.778	mg/L
	Sb	123	334768.510	1.126	0.039930	0.001	3.416	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	100.305
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	*Analyte*	*Mass*	*Out of Limits Message*

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	290286.848	290286.848		mg/L
Sb	121	428945.859	1.476	0.040218	mg/L
Sb	123	328058.673	1.129	0.040028	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	308216.386	308216.386		mg/L
Sb	121	438160.280	1.429	0.038842	mg/L
Sb	123	333035.728	1.086	0.039520	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	284760.313	284760.313		mg/L
Sb	121	434408.286	1.472	0.040110	mg/L
Sb	123	343213.933	1.163	0.041243	mg/L

Sample Information

Sample ID: 0B08022-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 08, 2010 11:16:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\0B08022-CCB.026
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	301043.905	301043.905				mg/L
	Sb	121	708.704	0.001	0.000025	0.000	7.674	mg/L
	Sb	123	557.635	0.001	0.000026	0.000	3.840	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	101.641
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	300578.710	300578.710		mg/L
Sb	121	723.039	0.001	0.000028	mg/L
Sb	123	595.500	0.001	0.000026	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	297188.889	297188.889		mg/L
Sb	121	708.037	0.001	0.000025	mg/L
Sb	123	559.640	0.001	0.000027	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	305363.116	305363.116		mg/L
Sb	121	695.036	0.001	0.000023	mg/L
Sb	123	557.766	0.001	0.000025	mg/L

: 00766

Sample Information

Sample ID: 1001350-09
Autosampler Position: 27
Sample Date/Time: Monday, February 08, 2010 11:18:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1001350-09.027
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	286474.174	286474.174				mg/L
	Sb	121	7498.447	0.025	0.000674	0.000	1.272	mg/L
	Sb	123	5738.306	0.019	0.000671	0.000	2.525	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	96.721
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	286874.863	286874.863		mg/L
Sb	121	7508.464	0.024	0.000684	mg/L
Sb	123	5742.878	0.019	0.000681	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	282770.038	282770.038		mg/L
Sb	121	7431.386	0.025	0.000678	mg/L
Sb	123	5821.153	0.019	0.000681	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	285977.520	285977.520		mg/L
Sb	121	7557.501	0.025	0.000680	mg/L
Sb	123	5850.788	0.019	0.000681	mg/L

: 00767

Sample Information

Sample ID: 1001350-10
Autosampler Position: 28
Sample Date/Time: Monday, February 08, 2010 11:20:12
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1001350-10.028
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	301361.746	301361.746				mg/L
	Sb	121	1208971.893	4.011	0.109262	0.001	1.366	mg/L
	Sb	123	925037.117	3.069	0.108800	0.003	2.407	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	101.748
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	300224.810	300224.810		mg/L
Sb	121	1211570.834	4.034	0.108800	mg/L
Sb	123	908258.607	3.017	0.108862	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	298826.253	298826.253		mg/L
Sb	121	1208820.814	4.050	0.110328	mg/L
Sb	123	942019.429	3.153	0.111801	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	305234.174	305234.174		mg/L
Sb	121	1209823.832	3.948	0.107598	mg/L
Sb	123	926835.315	3.036	0.107818	mg/L

: 00768

Sample Information

Sample ID: 1001350-11
Autosampler Position: 29
Sample Date/Time: Monday, February 08, 2010 11:22:17
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1001350-11.029
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	295435.361	295435.361				mg/L
	Sb	121	7414.705	0.024	0.000644	0.000	0.748	mg/L
	Sb	123	5720.852	0.018	0.000647	0.000	5.408	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	99.747
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	298163.653	298163.653		mg/L
Sb	121	7526.473	0.024	0.000648	mg/L
Sb	123	5439.648	0.017	0.000607	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	293830.535	293830.535		mg/L
Sb	121	7311.279	0.023	0.000639	mg/L
Sb	123	5836.323	0.019	0.000688	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	294491.887	294491.887		mg/L
Sb	121	7406.364	0.024	0.000648	mg/L
Sb	123	5870.584	0.019	0.000687	mg/L

: 00769

Sample Information

Sample ID: 1001350-12
Autosampler Position: 30
Sample Date/Time: Monday, February 08, 2010 11:24:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1001350-12.030
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	In	115	279164.050	279164.050				mg/L
|	Sb	121	11256.713	0.039	0.001059	0.000	1.882	mg/L
L	Sb	123	8836.005	0.031	0.001083	0.000	2.596	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	In	114.904	94.253
|	Sb	120.904	
L	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[.	In	115	278361.554	278361.554		mg/L
|	Sb	121	11260.716	0.039	0.001082	mg/L
L	Sb	123	8867.679	0.030	0.001087	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[.	In	115	278262.528	278262.528		mg/L
|	Sb	121	11000.388	0.038	0.001037	mg/L
L	Sb	123	8674.161	0.030	0.001088	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[.	In	115	280068.070	280068.070		mg/L
|	Sb	121	11509.057	0.040	0.001077	mg/L
L	Sb	123	9146.174	0.031	0.001115	mg/L

: 00770

Sample Information

Sample ID: 1001350-13
Autosampler Position: 31
Sample Date/Time: Monday, February 08, 2010 11:26:29
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1001350-13.031
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	283271.337	283271.337				mg/L
	Sb	121	6961.309	0.023	0.000630	0.000	1.593	mg/L
	Sb	123	5547.741	0.018	0.000655	0.000	2.804	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	95.640
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	283731.887	283731.887		mg/L
Sb	121	6945.983	0.023	0.000627	mg/L
Sb	123	5408.359	0.018	0.000638	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	286268.864	286268.864		mg/L
Sb	121	6948.864	0.023	0.000631	mg/L
Sb	123	5615.626	0.019	0.000656	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	279813.448	279813.448		mg/L
Sb	121	6981.001	0.024	0.000641	mg/L
Sb	123	5621.238	0.019	0.000673	mg/L

: 00771

Sample Information

Sample ID: 1001350-14
Autosampler Position: 32
Sample Date/Time: Monday, February 08, 2010 11:28:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1001350-14.032
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	289709.245	289709.245				mg/L
	Sb	121	6274.758	0.020	0.000550	0.000	1.046	mg/L
	Sb	123	4983.895	0.016	0.000571	0.000	2.639	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	97.814
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	288131.832	288131.832		mg/L
Sb	121	6197.388	0.020	0.000544	mg/L
Sb	123	5105.282	0.017	0.000587	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	290078.581	290078.581	.	mg/L
Sb	121	6339.474	0.020	0.000556	mg/L
Sb	123	4971.236	0.016	0.000568	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	289917.314	289917.314		mg/L
Sb	121	6287.434	0.020	0.000551	mg/L
Sb	123	4875.158	0.016	0.000557	mg/L

: 00772

Sample Information

Sample ID: 1001350-15
Autosampler Position: 33
Sample Date/Time: Monday, February 08, 2010 11:31:54
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1001350-15.033
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	279126.321	279126.321				mg/L
	Sb	121	4054.361	0.013	0.000356	0.000	3.297	mg/L
	Sb	123	3337.277	0.011	0.000385	0.000	0.690	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	94.241
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	278997.540	278997.540		mg/L
Sb	121	3689.847	0.013	0.000343	mg/L
Sb	123	3290.085	0.011	0.000382	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	277300.753	277300.753		mg/L
Sb	121	4080.029	0.013	0.000358	mg/L
Sb	123	3318.349	0.011	0.000385	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	283110.870	283110.870		mg/L
Sb	121	4213.107	0.013	0.000368	mg/L
Sb	123	3406.386	0.011	0.000387	mg/L

00773

Sample Information

Sample ID: 1001350-16
Autosampler Position: 34
Sample Date/Time: Monday, February 08, 2010 11:34:02
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1001350-16.034
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	282562.035	282562.035				mg/L
	Sb	121	5151.310	0.017	0.000457	0.000	3.260	mg/L
	Sb	123	4077.659	0.013	0.000472	0.000	3.048	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	95.401
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	284807.461	284807.461		mg/L
Sb	121	5188.887	0.017	0.000457	mg/L
Sb	123	3977.565	0.013	0.000458	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	283103.568	283103.568		mg/L
Sb	121	5008.558	0.016	0.000442	mg/L
Sb	123	4182.884	0.014	0.000482	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	279775.064	279775.064		mg/L
Sb	121	5256.708	0.017	0.000472	mg/L
Sb	123	4082.748	0.014	0.000479	mg/L

00774

Sample Information

Sample ID: 1000842-MS1
Autosampler Position: 35
Sample Date/Time: Monday, February 08, 2010 11:36:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1000842-MS1.035
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	283176.278	283176.278				mg/L
	Sb	121	409324.482	1.444	0.039338	0.001	1.983	mg/L
	Sb	123	315053.618	1.111	0.039406	0.001	2.024	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	95.608
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	282468.433	282468.433		mg/L
Sb	121	398291.087	1.412	0.038488	mg/L
Sb	123	315497.707	1.118	0.039568	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	283852.089	283852.089		mg/L
Sb	121	418615.188	1.467	0.039974	mg/L
Sb	123	306885.674	1.087	0.038544	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	283388.316	283388.316		mg/L
Sb	121	412087.172	1.453	0.039574	mg/L
Sb	123	320877.272	1.132	0.040118	mg/L

Sample Information

Sample ID: 1000842-MSD1
Autosampler Position: 36
Sample Date/Time: Monday, February 08, 2010 11:38:19
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1000842-MSD1.036
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	289021.145	289021.145				mg/L
	Sb	121	410082.954	1.417	0.038616	0.001	1.412	mg/L
	Sb	123	316358.857	1.094	0.038772	0.001	1.368	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	97.581
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	288780.874	288780.874		mg/L
Sb	121	403666.916	1.397	0.038680	mg/L
Sb	123	317880.222	1.099	0.038863	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	288118.732	288118.732		mg/L
Sb	121	411583.104	1.437	0.039190	mg/L
Sb	123	316503.152	1.108	0.039180	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	292169.629	292169.629		mg/L
Sb	121	414786.841	1.418	0.038838	mg/L
Sb	123	314883.187	1.077	0.038175	mg/L

: 00776

Sample Information

Sample ID: 0B08022-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 08, 2010 11:41:26
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\0B08022-CCV.037
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	286901.034	286901.034				mg/L
	Sb	121	431380.856	1.502	0.040922	0.000	0.186	mg/L
	Sb	123	329997.181	1.149	0.040738	0.000	0.799	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	96.866
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	283577.880	283577.880		mg/L
Sb	121	425473.429	1.499	0.040836	mg/L
Sb	123	323168.882	1.139	0.040385	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	289086.788	289086.788		mg/L
Sb	121	434858.938	1.503	0.040854	mg/L
Sb	123	334261.880	1.156	0.040980	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	288089.419	288089.419		mg/L
Sb	121	433709.209	1.504	0.040877	mg/L
Sb	123	332561.202	1.153	0.040881	mg/L

Sample Information

Sample ID: 0B08022-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 08, 2010 11:43:31
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\0B08022-CCB.038
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	291572.191	291572.191				mg/L
	Sb	121	619.696	0.001	0.000018	0.000	8.316	mg/L
	Sb	123	501.549	0.001	0.000022	0.000	18.467	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	98.443
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	295618.743	295618.743		mg/L
Sb	121	611.029	0.001	0.000017	mg/L
Sb	123	475.130	0.000	0.000018	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	290725.508	290725.508		mg/L
Sb	121	620.029	0.001	0.000016	mg/L
Sb	123	500.887	0.001	0.000022	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	288372.324	288372.324		mg/L
Sb	121	626.030	0.001	0.000020	mg/L
Sb	123	526.630	0.001	0.000026	mg/L

00778

Sample Information

Sample ID: 0B08022-SRD1
Autosampler Position: 37
Sample Date/Time: Monday, February 08, 2010 11:45:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\0B08022-SRD1.039
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	284792.198	284792.198				mg/L
	Sb	121	1320.118	0.003	0.000087	0.000	5.254	mg/L
	Sb	123	1020.970	0.002	0.000088	0.000	7.673	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	96.154
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	287480.300	287480.300		mg/L
Sb	121	1343.122	0.003	0.000088	mg/L
Sb	123	1045.810	0.003	0.000080	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	284987.079	284987.079		mg/L
Sb	121	1269.109	0.003	0.000082	mg/L
Sb	123	981.687	0.002	0.000080	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	281928.216	281928.216		mg/L
Sb	121	1348.123	0.003	0.000091	mg/L
Sb	123	1056.434	0.003	0.000093	mg/L

00779

Sample Information

Sample ID: 1000842-PS1
Autosampler Position: 38
Sample Date/Time: Monday, February 08, 2010 11:47:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1000842-PS1.040
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	278723.642	278723.642				mg/L
	Sb	121	203485.970	0.729	0.019849	0.000	1.477	mg/L
	Sb	123	158093.903	0.566	0.020072	0.000	1.693	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	94.105
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	277757.048	277757.048		mg/L
Sb	121	203118.657	0.730	0.019863	mg/L
Sb	123	158168.442	0.572	0.020277	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	280182.309	280182.309		mg/L
Sb	121	207378.641	0.738	0.020123	mg/L
Sb	123	159835.329	0.565	0.019879	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	276221.571	276221.571		mg/L
Sb	121	199881.813	0.717	0.019540	mg/L
Sb	123	156279.839	0.571	0.020256	mg/L

: 00780

Sample Information

Sample ID: 1000929-BLK1
Autosampler Position: 39
Sample Date/Time: Monday, February 08, 2010 11:50:58
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1000929-BLK1.041
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	280921.101	280921.101				mg/L
	Sb	121	366.345	-0.000	-0.000004	0.000	47.215	mg/L
	Sb	123	295.120	-0.000	-0.000002	0.000	166.634	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	94.847
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	278851.515	278851.515		mg/L
Sb	121	348.011	-0.000	-0.000008	mg/L
Sb	123	300.488	-0.000	-0.000001	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	282803.029	282803.029		mg/L
Sb	121	392.013	-0.000	-0.000002	mg/L
Sb	123	316.373	0.000	0.000001	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	283308.756	283308.756		mg/L
Sb	121	358.011	-0.000	-0.000005	mg/L
Sb	123	286.488	-0.000	-0.000006	mg/L

Sample Information

Sample ID: 1000929-BS1
Autosampler Position: 40
Sample Date/Time: Monday, February 08, 2010 11:53:04
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1000929-BS1.042
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	289923.490	289923.490				mg/L
	Sb	121	412581.519	1.422	0.038727	0.001	1.821	mg/L
	Sb	123	321354.416	1.107	0.039257	0.001	1.795	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	97.886
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	288689.508	288689.508		mg/L
	Sb	121	402849.042	1.382	0.037831	mg/L
	Sb	123	313715.888	1.086	0.038482	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	291588.789	291588.789		mg/L
	Sb	121	420762.906	1.443	0.039274	mg/L
	Sb	123	325262.046	1.114	0.039509	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	288292.178	288292.178		mg/L
	Sb	121	414312.517	1.431	0.038877	mg/L
	Sb	123	325086.538	1.123	0.039602	mg/L

: 00782

Sample Information

Sample ID: 1001382-01
Autosampler Position: 41
Sample Date/Time: Monday, February 08, 2010 11:56:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1001382-01.043
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	In	115	273096.634	273096.634				mg/L
[	Sb	121	19088.036	0.068	0.001865	0.000	2.887	mg/L
[	Sb	123	15000.064	0.054	0.001909	0.000	4.231	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	In	114.904	92.205
[	Sb	120.904	
[	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	270827.648	270827.648		mg/L
Sb	121	19548.808	0.087	0.001828	mg/L
Sb	123	14864.786	0.054	0.001907	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	281254.938	281254.938		mg/L
Sb	121	18413.781	0.088	0.001841	mg/L
Sb	123	14828.763	0.052	0.001830	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	267407.114	267407.114		mg/L
Sb	121	19301.520	0.071	0.001827	mg/L
Sb	123	15316.845	0.056	0.001991	mg/L

00783

Sample Information

Sample ID: 1001382-02
Autosampler Position: 42
Sample Date/Time: Monday, February 08, 2010 11:58:11
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1001382-02.044
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	276417.693	276417.693				mg/L
	Sb	121	23956.960	0.085	0.002322	0.000	1.972	mg/L
	Sb	123	18347.923	0.065	0.002315	0.000	1.786	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	93.326
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	281888.659	281888.659		mg/L
Sb	121	24040.888	0.084	0.002294	mg/L
Sb	123	18338.288	0.064	0.002287	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	276988.155	276988.155		mg/L
Sb	121	23968.429	0.086	0.002310	mg/L
Sb	123	18566.005	0.069	0.002338	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	270384.285	270384.285		mg/L
Sb	121	23941.562	0.087	0.002379	mg/L
Sb	123	18151.489	0.068	0.002341	mg/L

: 00784

Sample Information

Sample ID: 1001382-03
Autosampler Position: 43
Sample Date/Time: Monday, February 08, 2010 12:00:15
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1001382-03.045
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	277748.005	277748.005				mg/L
	Sb	121	859429.359	3.094	0.084298	0.003	3.089	mg/L
	Sb	123	661611.868	2.382	0.084454	0.003	3.079	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	93.775
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	282445.085	282445.085		mg/L
Sb	121	855593.906	3.029	0.082486	mg/L
Sb	123	664279.278	2.351	0.083345	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	270287.865	270287.865		mg/L
Sb	121	866351.932	3.204	0.087262	mg/L
Sb	123	666760.808	2.466	0.087428	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	280811.087	280811.087		mg/L
Sb	121	856342.238	3.051	0.083127	mg/L
Sb	123	653765.416	2.330	0.082581	mg/L

00785

Sample Information

Sample ID: 1001382-04
Autosampler Position: 44
Sample Date/Time: Monday, February 08, 2010 12:02:20
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1001382-04.046
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	282026.330	282026.330				mg/L
	Sb	121	109101.305	0.385	0.010500	0.000	0.617	mg/L
	Sb	123	84465.295	0.298	0.010581	0.000	2.809	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	95.220
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	281188.187	281188.187		mg/L
Sb	121	108984.866	0.388	0.010518	mg/L
Sb	123	83204.714	0.295	0.010452	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	285097.829	285097.829		mg/L
Sb	121	109733.842	0.383	0.010426	mg/L
Sb	123	83846.597	0.282	0.010388	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	279311.973	279311.973		mg/L
Sb	121	108808.216	0.387	0.010583	mg/L
Sb	123	86344.578	0.306	0.010821	mg/L

: 00786

Sample Information

Sample ID: 1001382-05
Autosampler Position: 45
Sample Date/Time: Monday, February 08, 2010 12:04:25
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1001382-05.047
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	283656.753	283656.753				mg/L
	Sb	121	222613.485	0.783	0.021344	0.001	2.435	mg/L
	Sb	123	171186.595	0.602	0.021358	0.000	0.734	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	95.770
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	285336.720	285336.720		mg/L
Sb	121	218836.925	0.766	0.020864	mg/L
Sb	123	173234.610	0.606	0.021488	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	279588.729	279588.729		mg/L
Sb	121	225131.749	0.804	0.021888	mg/L
Sb	123	169108.082	0.604	0.021404	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	286034.810	286034.810		mg/L
Sb	121	223788.780	0.781	0.021273	mg/L
Sb	123	171216.062	0.597	0.021163	mg/L

Sample Information

Sample ID: 1001382-06
Autosampler Position: 46
Sample Date/Time: Monday, February 08, 2010 12:06:30
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1001382-06.048
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	275511.000	275511.000				mg/L
	Sb	121	37191.520	0.134	0.003639	0.000	2.109	mg/L
	Sb	123	28545.646	0.103	0.003635	0.000	2.115	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	93.020
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	281250.472	281250.472		mg/L
Sb	121	37113.833	0.131	0.003556	mg/L
Sb	123	28646.035	0.101	0.003572	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	267891.278	267891.278		mg/L
Sb	121	36801.448	0.138	0.003708	mg/L
Sb	123	28368.027	0.105	0.003721	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	277621.248	277621.248		mg/L
Sb	121	37656.277	0.134	0.003658	mg/L
Sb	123	28800.877	0.102	0.003613	mg/L

Sample Information

Sample ID: 0B08022-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 08, 2010 12:08:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\0B08022-CCV.049
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	283453.684	283453.684				mg/L
	Sb	121	419761.303	1.480	0.040310	0.001	1.509	mg/L
	Sb	123	323546.757	1.141	0.040438	0.001	1.816	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	95.702
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	284486.542	284486.542		mg/L
	Sb	121	417371.672	1.466	0.039829	mg/L
	Sb	123	324783.488	1.141	0.040438	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	278112.937	278112.937		mg/L
	Sb	121	419077.185	1.505	0.041012	mg/L
	Sb	123	323276.505	1.161	0.041172	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	287781.574	287781.574		mg/L
	Sb	121	422836.073	1.488	0.039881	mg/L
	Sb	123	322570.288	1.120	0.039704	mg/L

00789

Sample Information

Sample ID: 0B08022-CCB 5
Autosampler Position: 1
Sample Date/Time: Monday, February 08, 2010 12:10:40
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\0B08022-CCB.050
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	279035.749	279035.749				mg/L
	Sb	121	613.029	0.001	0.000020	0.000	14.101	mg/L
	Sb	123	480.965	0.001	0.000022	0.000	7.881	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	94.210
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	284304.687	284304.687		mg/L
Sb	121	586.027	0.001	0.000017	mg/L
Sb	123	500.132	0.001	0.000023	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	280175.317	280175.317		mg/L
Sb	121	645.031	0.001	0.000023	mg/L
Sb	123	468.008	0.001	0.000022	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	272827.043	272827.043		mg/L
Sb	121	589.028	0.001	0.000020	mg/L
Sb	123	454.758	0.001	0.000020	mg/L

Sample Information

Sample ID: 1000929-MS1
Autosampler Position: 47
Sample Date/Time: Monday, February 08, 2010 12:12:46
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1000929-MS1.051
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	271486.691	271486.691				mg/L
	Sb	121	432145.549	1.591	0.043337	0.001	2.280	mg/L
	Sb	123	331098.088	1.219	0.043209	0.001	2.657	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	91.661
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	271147.853	271147.853		mg/L
Sb	121	430334.808	1.588	0.043187	mg/L
Sb	123	323601.072	1.192	0.042280	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	278688.888	278688.888		mg/L
Sb	121	431298.677	1.567	0.042428	mg/L
Sb	123	334958.049	1.209	0.042881	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	269823.534	269823.534		mg/L
Sb	121	434808.186	1.629	0.044386	mg/L
Sb	123	334634.143	1.256	0.044488	mg/L

: 00791

Sample Information

Sample ID: 1000929-MSD1
Autosampler Position: 48
Sample Date/Time: Monday, February 08, 2010 12:14:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1000929-MSD1.052
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	276342.902	276342.902				mg/L
	Sb	121	448857.567	1.623	0.044215	0.001	1.851	mg/L
	Sb	123	347183.870	1.255	0.044502	0.000	1.026	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	93.301
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	271858.719	271858.719		mg/L
Sb	121	440544.197	1.618	0.044108	mg/L
Sb	123	342917.077	1.260	0.044682	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	275812.458	275812.458		mg/L
Sb	121	456862.012	1.656	0.045082	mg/L
Sb	123	342583.840	1.241	0.043883	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	281299.531	281299.531		mg/L
Sb	121	448048.522	1.585	0.043456	mg/L
Sb	123	356040.583	1.266	0.044841	mg/L

Sample Information

Sample ID: 0B08022-SRD2
Autosampler Position: 49
Sample Date/Time: Monday, February 08, 2010 12:17:59
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\0B08022-SRD2.053
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	275783.991	275783.991				mg/L
	Sb	121	7542.822	0.026	0.000706	0.000	2.799	mg/L
	Sb	123	5851.762	0.020	0.000713	0.000	1.636	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	93.112
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	280339.149	280339.149		mg/L
Sb	121	7607.547	0.028	0.000700	mg/L
Sb	123	5843.564	0.020	0.000700	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	274246.014	274246.014		mg/L
Sb	121	7339.304	0.026	0.000688	mg/L
Sb	123	5860.803	0.020	0.000718	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	272764.811	272764.811		mg/L
Sb	121	7691.816	0.027	0.000728	mg/L
Sb	123	5851.088	0.020	0.000721	mg/L

Sample Information

Sample ID: 1000929-PS1
Autosampler Position: 50
Sample Date/Time: Monday, February 08, 2010 12:20:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1000929-PS1.054
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	270306.420	270306.420				mg/L
	Sb	121	233750.892	0.863	0.023521	0.000	1.756	mg/L
	Sb	123	179514.202	0.663	0.023509	0.000	1.370	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	91.263
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	273683.456	273683.456		mg/L
	Sb	121	232786.116	0.849	0.023133	mg/L
	Sb	123	179084.940	0.653	0.023161	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	267058.008	267058.008		mg/L
	Sb	121	230482.388	0.862	0.023473	mg/L
	Sb	123	179551.741	0.671	0.023798	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	270177.786	270177.786		mg/L
	Sb	121	237986.163	0.879	0.023855	mg/L
	Sb	123	179686.828	0.668	0.023588	mg/L

: 00794

Sample Information

Sample ID: 1001382-07
Autosampler Position: 51
Sample Date/Time: Monday, February 08, 2010 12:23:15
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1001382-07.055
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	268800.782	268800.782				mg/L
	Sb	121	3550.459	0.012	0.000320	0.000	2.962	mg/L
	Sb	123	2902.132	0.010	0.000343	0.000	2.743	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	90.754
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	271883.453	271883.452		mg/L
Sb	121	3582.810	0.012	0.000321	mg/L
Sb	123	2887.951	0.009	0.000336	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	268224.863	268224.863		mg/L
Sb	121	3447.746	0.011	0.000311	mg/L
Sb	123	2972.486	0.010	0.000364	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	266463.930	266463.930		mg/L
Sb	121	3610.618	0.012	0.000329	mg/L
Sb	123	2885.867	0.010	0.000342	mg/L

Sample Information

Sample ID: 1001382-08
Autosampler Position: 52
Sample Date/Time: Monday, February 08, 2010 12:25:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1001382-08.056
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	270361.034	270361.034				mg/L
	Sb	121	4438.226	0.015	0.000408	0.000	1.664	mg/L
	Sb	123	3601.812	0.012	0.000433	0.000	2.416	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	91.281
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	274982.207	274982.207		mg/L
Sb	121	4438.226	0.015	0.000400	mg/L
Sb	123	3570.585	0.012	0.000421	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	268881.860	268881.860		mg/L
Sb	121	4472.244	0.015	0.000413	mg/L
Sb	123	3635.889	0.012	0.000440	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	267228.837	267228.837		mg/L
Sb	121	4403.207	0.015	0.000408	mg/L
Sb	123	3568.872	0.012	0.000436	mg/L

Sample Information

Sample ID: 1001382-09
Autosampler Position: 53
Sample Date/Time: Monday, February 08, 2010 12:27:32
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1001382-09.057
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	271450.468	271450.468				mg/L
	Sb	121	9195.163	0.032	0.000883	0.000	2.868	mg/L
	Sb	123	7623.892	0.027	0.000957	0.000	2.176	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	91.649
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	273883.171	273883.171		mg/L
Sb	121	9187.153	0.032	0.000874	mg/L
Sb	123	7557.245	0.028	0.000938	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	273532.300	273532.300		mg/L
Sb	121	9073.027	0.032	0.000864	mg/L
Sb	123	7643.087	0.027	0.000951	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	268935.831	268935.831		mg/L
Sb	121	9325.308	0.033	0.000912	mg/L
Sb	123	7671.383	0.028	0.000980	mg/L

: 00797

Sample Information

Sample ID: 1001351-10
Autosampler Position: 54
Sample Date/Time: Monday, February 08, 2010 12:29:41
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\1001351-10.058
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	In	115	280501.050	280501.050				mg/L
|	Sb	121	581862.738	2.073	0.056487	0.002	2.681	mg/L
[	Sb	123	452671.117	1.613	0.057195	0.002	2.808	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	In	114.904	94.705
|	Sb	120.904	
[	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	279316.887	279316.887		mg/L
Sb	121	571601.218	2.046	0.055730	mg/L
Sb	123	448567.871	1.605	0.056887	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	286137.272	286137.272		mg/L
Sb	121	583340.351	2.037	0.055800	mg/L
Sb	123	460322.808	1.573	0.055758	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	276048.891	276048.891		mg/L
Sb	121	580448.647	2.137	0.058231	mg/L
Sb	123	458132.673	1.662	0.058629	mg/L

Sample Information

Sample ID: 0B08022-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 08, 2010 12:31:49
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\0B08022-CCV.059
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	282310.828	282310.828				mg/L
	Sb	121	420077.667	1.487	0.040498	0.000	0.627	mg/L
	Sb	123	326632.224	1.156	0.040982	0.000	0.794	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	95.316
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	280827.995	280827.995		mg/L
Sb	121	420902.988	1.499	0.040768	mg/L
Sb	123	325807.832	1.158	0.041091	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	284141.789	284141.789		mg/L
Sb	121	422446.088	1.485	0.040484	mg/L
Sb	123	325824.883	1.146	0.040816	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	281982.709	281982.709		mg/L
Sb	121	416883.864	1.478	0.040283	mg/L
Sb	123	328183.978	1.163	0.041239	mg/L

Sample Information

Sample ID: 0B08022-CCB

Autosampler Position: 1
Sample Date/Time: Monday, February 08, 2010 12:33:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08022.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08022\0B08022-CCB.060
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	283776.539	283776.539				mg/L
	Sb	121	636.697	0.001	0.000021	0.000	15.317	mg/L
	Sb	123	513.841	0.001	0.000025	0.000	13.333	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	95.811
	Sb	120.904	
	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	283485.857	283485.857		mg/L
Sb	121	672.034	0.001	0.000025	mg/L
Sb	123	512.881	0.001	0.000025	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	284783.888	284783.888		mg/L
Sb	121	635.031	0.001	0.000021	mg/L
Sb	123	542.387	0.001	0.000028	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	283079.774	283079.774		mg/L
Sb	121	603.028	0.001	0.000018	mg/L
Sb	123	486.257	0.001	0.000022	mg/L

: 02800

2/10

2-08-10
10 Dr 2-08-10
Cal. OB09013

HS

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence

Instrument #: 201

Date: 2-08-10

Analyst: DWG

Data File: ~~OB08046~~ Dr 2-08-10 OB08046

Calibration BLK/ICB/CCB: 1% HNO3 LOT#1109060

Internal Standard #: 9110476

All samples are run at a 5x dilution which is accounted for on the prep benchsheet

Autosampler Position:

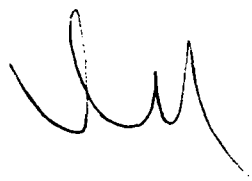
1. BLK/ICB/CCB/9120094
2. ICV/SCV/CCV 40ug/L 0010901
3. STD2 0.2 ug/L 9120100
4. STD3 1.0 ug/L 9120099
5. STD4 10 ug/L 9120098
6. STD5 20 ug/L 9120097
7. STD6 50 ug/L 9120096
8. STD7 100 ug/L 9120095
9. STD1 0.04 ug/L 9120101
10. IFA1 0010903
11. IFB1 0010904

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	1000891-BLK2				35/51				
2/18	1000891-BS2				36/52				
3/19	1001392-01				37/53				
4/20	1001392-02				38/54				
5/21	1001392-03				39/55				
6/22	1001392-04				40/56				
7/23	1001392-05				41/57				
8/24	1001392-06				42/58				
9/25	1000891-MS2				43/59				
10/26	1000891-MS02				44/60				
11/27	SF01				45/61				
12/28	1000891-PS25 Dr 2-08-10				46/62				
13/29	1001392-07				47/63				
14/30	1001392-08				48/64				
15/31	1001392-09				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: 08FEB2010_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	6.976	1537	2020	0.870	
Co	58.933	58.929	14187	2050	0.873	
In	114.904	114.928	27803	2095	0.862	
Ba	137.905	137.929	33403	2110	0.849	
Ce	139.905	139.879	33890	2115	0.862	
Tl	204.975	205.027	49733	2180	0.833	



Daily Performance Report

Sample ID: 0010896
Sample Date/Time: Monday, February 08, 2010 14:52:16
Sample Description:
Method File: c:\elandata\Method\6020A_Daily.mth
Dataset File: c:\elandata\Dataset\default\0010896.4344
Tuning File: C:\Elandata\Tuning\08FEB2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\08FEB2010_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	12691.0	12690.992	232.192	1.8
	Co	58.9	174590.2	174590.202	2960.281	1.7
	In	114.9	407820.0	407820.027	7214.735	1.8
	Tl	205.0	261505.4	261505.430	6269.249	2.4
⌈>	Ba	137.9	324853.0	324852.982	4540.429	1.4
⌊	Ba++	69.0	7447.3	0.023	0.000	1.8
⌈>	Ce	139.9	400631.3	400631.348	6681.312	1.7
⌊	CeO	155.9	10639.8	0.027	0.001	4.7
	Bkgd	220.0	8.2	8.167	2.639	32.3

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	12926.017	12926.017
Co	59	169317.812	169317.812
In	115	401763.083	401763.083
Tl	205	259083.817	259083.817
Ba	138	323381.649	323381.649
Ba++	69	7527.398	0.023
Ce	140	394551.242	394551.242
CeO	156	11125.422	0.028
Bkgd	220	12.000	12.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	12954.061	12954.061
Co	59	177802.808	177802.808
In	115	403554.693	403554.693
Tl	205	251037.069	251037.069
Ba	138	322508.731	322508.731
Ba++	69	7578.444	0.023
Ce	140	393066.488	393066.488
CeO	156	9888.864	0.025
Bkgd	220	9.000	9.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	12633.569	12633.569
Co	59	174047.773	174047.773
In	115	403020.734	403020.734
Tl	205	263508.355	263508.355
Ba	138	326301.991	326301.991
Ba++	69	7357.246	0.023
Ce	140	400273.683	400273.683
CeO	156	10643.793	0.027
Bkgd	220	5.000	5.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	12350.145	12350.145
Co	59	176890.703	176890.703
In	115	416933.864	416933.864

Tl	205	265096.553	265096.553
Ba	138	320134.864	320134.864
Ba++	69	7386.272	0.023
Ce	140	401707.252	401707.252
CeO	156	10073.084	0.025
Bkgd	220	7.000	7.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	12539.427	12539.427
Co	59	174921.790	174921.790
In	115	404450.485	404450.485
Tl	205	260820.758	260820.758
Ba	138	323601.559	323601.559
Ba++	69	7301.197	0.023
Ce	140	402395.284	402395.284
CeO	156	11055.328	0.027
Bkgd	220	6.000	6.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	12742.735	12742.735
Co	59	174560.328	174560.328
In	115	417197.302	417197.302
Tl	205	269486.029	269486.029
Ba	138	333189.098	333189.098
Ba++	69	7533.404	0.023
Ce	140	411794.139	411794.139
CeO	156	11052.324	0.027
Bkgd	220	10.000	10.000

Sample/Batch Report

User Name: analystME
Computer Name: ELAN6100_08
Sample File: C:\Elandata\Sample\0B08046.sam
Report Date/Time: Monday, February 08, 2010 17:48:54

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
17		1000891-BLK2		Sample					
18		1000891-BS2		Sample					
19		1001382-01		Sample					
20		1001382-02		Sample					
21		1001382-03		Sample					
22		1001382-04		Sample					
23		1001382-05		Sample					
24		1001382-06		Sample					
25		1000891-MS2		Sample					
26		1000891-MSD2		Sample					
27		0B08046-SRD1		Sample					
28		1000891-PS2		Sample					
29		1001382-07		Sample					
30		1001382-08		Sample					
31		1001382-09		Sample					

Sample Information

Sample ID: 0B08046-CAL1
Autosampler Position: 1
Sample Date/Time: Monday, February 08, 2010 17:49:44
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\0B08046-CAL1.001
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	366467.329					mg/L
	As	75	696.405					mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	366473.378			mg/L
As	75	693.425			mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	360781.889			mg/L
As	75	724.107			mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	372146.741			mg/L
As	75	701.683			mg/L

Sample Information

Sample ID: 0B08046-CAL2
Autosampler Position: 3
Sample Date/Time: Monday, February 08, 2010 17:51:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\0B08046-CAL2.002
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	374091.281	374091.281				mg/L
	As	75	1376.426	0.002	0.000200	0.000	7.231	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	375111.380	375111.380		mg/L
As	75	1416.139	0.002	0.000211	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	378385.864	378385.864		mg/L
As	75	1414.034	0.002	0.000205	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	367788.529	367788.529		mg/L
As	75	1298.105	0.002	0.000184	mg/L

: 00807

Sample Information

Sample ID: 0B08046-CAL3
Autosampler Position: 4
Sample Date/Time: Monday, February 08, 2010 17:53:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\0B08046-CAL3.003
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	376927.044	376927.044				mg/L
	As	75	3778.584	0.008	0.000996	0.000	3.283	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	377882.914	377882.914		mg/L
As	75	3898.284	0.008	0.001032	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	379770.481	379770.481		mg/L
As	75	3718.734	0.008	0.000958	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	373117.756	373117.756		mg/L
As	75	3716.735	0.008	0.000869	mg/L

: 00808

Sample Information

Sample ID: 0B08046-CAL4
Autosampler Position: 5
Sample Date/Time: Monday, February 08, 2010 17:55:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\0B08046-CAL4.004
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	375303.864	375303.864				mg/L
	As	75	31206.521	0.081	0.010000	0.000	1.567	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	377318.750	377318.750		mg/L
As	75	30828.188	0.080	0.008821	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	374833.811	374833.811		mg/L
As	75	31526.880	0.082	0.010174	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	373856.232	373856.232		mg/L
As	75	31264.708	0.082	0.010083	mg/L

Sample Information

Sample ID: 0B08046-CAL5
Autosampler Position: 6
Sample Date/Time: Monday, February 08, 2010 17:58:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\0B08046-CAL5.005
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	374433.186	374433.186				mg/L
	As	75	59192.465	0.156	0.019838	0.000	2.195	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	373982.252	373982.252		mg/L
As	75	57881.942	0.153	0.019410	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	374347.101	374347.101		mg/L
As	75	60484.246	0.160	0.020281	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	374970.204	374970.204		mg/L
As	75	58231.207	0.154	0.019823	mg/L

00810

Sample Information

Sample ID: 0B08046-CAL6
Autosampler Position: 7
Sample Date/Time: Monday, February 08, 2010 18:00:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\0B08046-CAL6.006
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	373571.426	373571.426				mg/L
	As	75	145940.704	0.389	0.049894	0.001	1.762	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	372329.647	372329.647		mg/L
As	75	145216.515	0.388	0.048620	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	389127.760	389127.760		mg/L
As	75	141768.779	0.382	0.048054	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	376256.640	376256.640		mg/L
As	75	150838.818	0.396	0.050808	mg/L

: 00811

Sample Information

Sample ID: 0B08046-CAL7
Autosampler Position: 8
Sample Date/Time: Monday, February 08, 2010 18:02:14
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\0B08046-CAL7.007
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	375494.566	375494.566				mg/L
	As	75	295257.188	0.785	0.100165	0.002	1.991	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	384088.838	384088.838		mg/L
As	75	295736.688	0.788	0.098053	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	366809.158	366809.158		mg/L
As	75	293877.734	0.788	0.102017	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	375807.701	375807.701		mg/L
As	75	296357.132	0.787	0.100424	mg/L

Quantitative Analysis Calibration Report

File Name:
File Path:
Calibration Type: External Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Ge	71.922	Linear Thru Zero	0.00	0.00	0.000000
As	74.922	Linear Thru Zero	7.83	0.00	0.999988

Method Equation

Analyte	Mass	Corrections
As	74.922	-3.127 *(ArCl 77 -(0.696999898 *Se 82))

00813

Sample Information

Sample ID: 0B08046-SCV
Autosampler Position: 2
Sample Date/Time: Monday, February 08, 2010 18:04:19
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\0B08046-SCV.008
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	370917.787	370917.787				mg/L
	As	75	121340.278	0.325	0.041520	0.000	0.477	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	101.214
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	384827.449	384827.449		mg/L
As	75	119822.918	0.327	0.041719	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	370856.056	370856.056		mg/L
As	75	121320.219	0.325	0.041518	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	377089.853	377089.853		mg/L
As	75	122777.697	0.324	0.041323	mg/L

Sample Information

Sample ID: 0B08046-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 08, 2010 18:06:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\0B08046-CCB.009
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	370548.801	370548.801				mg/L
	As	75	902.510	0.001	0.000068	0.000	98.096	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	101.114
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	368397.689	368397.689		mg/L
As	75	1039.985	0.001	0.000120	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	374831.152	374831.152		mg/L
As	75	986.089	0.001	0.000083	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	370217.562	370217.562		mg/L
As	75	681.557	-0.000	-0.000008	mg/L

: 00815

Sample Information

Sample ID: 0B08046-CRL1
Autosampler Position: 4
Sample Date/Time: Monday, February 08, 2010 18:08:24
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\0B08046-CRL1.010
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	373708.108	373708.108				mg/L
	As	75	3748.047	0.008	0.001038	0.000	2.308	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	101.976
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	372022.367	372022.367		mg/L
As	75	3809.152	0.008	0.001084	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	375042.345	375042.345		mg/L
As	75	3704.084	0.008	0.001018	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	374058.811	374058.811		mg/L
As	75	3730.805	0.008	0.001031	mg/L

Sample Information

Sample ID: 0B08046-IFA1
Autosampler Position: 10
Sample Date/Time: Monday, February 08, 2010 18:10:26
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\0B08046-IFA1.011
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	363557.329	363557.329				mg/L
	As	75	1027.432	0.001	0.000118	0.000	39.523	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	99.206
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	370333.570	370333.570		mg/L
As	75	1172.410	0.001	0.000162	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	359711.025	359711.025		mg/L
As	75	1030.020	0.001	0.000123	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	360827.391	360827.391		mg/L
As	75	979.885	0.001	0.000089	mg/L

: 00817

Sample Information

Sample ID: 0B08046-IFB1
Autosampler Position: 11
Sample Date/Time: Monday, February 08, 2010 18:12:28
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\0B08046-IFB1.012
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	354407.908	354407.908				mg/L
	As	75	57172.189	0.159	0.020350	0.000	0.023	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	96.709
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	357709.568	357709.568		mg/L
As	75	57710.188	0.158	0.020352	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	351253.382	351253.382		mg/L
As	75	56872.677	0.159	0.020354	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	354280.787	354280.787		mg/L
As	75	57133.505	0.159	0.020345	mg/L

: 00818

Sample Information

Sample ID: 0B08046-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 08, 2010 18:14:30
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\0B08046-CCV.013
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	358684.137	358684.137				mg/L
	As	75	117054.100	0.324	0.041423	0.001	2.689	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	97.876
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	363079.523	363079.523		mg/L
As	75	114877.413	0.314	0.040147	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	351031.310	351031.310		mg/L
As	75	115845.886	0.328	0.041822	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	361841.579	361841.579		mg/L
As	75	120338.193	0.331	0.042200	mg/L

Sample Information

Sample ID: 0B08046-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 08, 2010 18:16:32
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\0B08046-CCB.014
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	356837.329	356837.329				mg/L
	As	75	610.183	-0.000	-0.000024	0.000	149.460	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	97.372
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	356379.286	356379.286		mg/L
As	75	722.241	0.000	0.000018	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	357299.124	357299.124		mg/L
As	75	537.816	-0.000	-0.000054	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	356867.577	356867.577		mg/L
As	75	560.888	-0.000	-0.000035	mg/L

: 00820

Sample Information

Sample ID: 1000891-BLK2
Autosampler Position: 17
Sample Date/Time: Monday, February 08, 2010 18:18:35
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\1000891-BLK2.015
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	369522.093	369522.093				mg/L
	As	75	818.166	0.000	0.000040	0.000	161.361	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	100.834
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	369880.525	369880.525		mg/L
As	75	827.815	0.001	0.000078	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	370513.302	370513.302		mg/L
As	75	826.438	0.001	0.000077	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	368182.453	368182.453		mg/L
As	75	800.244	-0.000	-0.000034	mg/L

: 00821

Sample Information

Sample ID: 1000891-BS2
Autosampler Position: 18
Sample Date/Time: Monday, February 08, 2010 18:20:40
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\1000891-BS2.016
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	360281.952	360281.952				mg/L
	As	75	112228.620	0.310	0.039522	0.000	1.081	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	98.312
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	361314.209	361314.209		mg/L
As	75	112732.402	0.310	0.039587	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	360108.882	360108.882		mg/L
As	75	110888.847	0.308	0.039087	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	358422.885	358422.885		mg/L
As	75	113083.772	0.313	0.039914	mg/L

: 09822

Sample Information

Sample ID: 1001382-01
Autosampler Position: 19
Sample Date/Time: Monday, February 08, 2010 18:22:45
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\1001382-01.017
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	374643.338	374643.338				mg/L
	As	75	75589.465	0.200	0.025517	0.000	1.895	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	102.231
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	377881.410	377881.410		mg/L
As	75	75008.888	0.197	0.025087	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	376276.150	376276.150		mg/L
As	75	75811.303	0.199	0.025408	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	369772.454	369772.454		mg/L
As	75	76148.086	0.204	0.026048	mg/L

Sample Information

Sample ID: 1001382-02
Autosampler Position: 20
Sample Date/Time: Monday, February 08, 2010 18:24:51
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\1001382-02.018
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	365646.182	365646.182				mg/L
	As	75	79627.733	0.216	0.027559	0.000	1.590	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	99.776
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	368728.697	368728.697		mg/L
As	75	79878.523	0.212	0.027085	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	365303.648	365303.648		mg/L
As	75	79897.795	0.217	0.027713	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	362908.211	362908.211		mg/L
As	75	80008.880	0.219	0.027800	mg/L

Sample Information

Sample ID: 1001382-03
Autosampler Position: 21
Sample Date/Time: Monday, February 08, 2010 18:26:57
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\1001382-03.019
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	383639.236	383639.236				mg/L
	As	75	94236.412	0.244	0.031114	0.000	0.925	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	104.686
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	381863.869	381863.869		mg/L
As	75	93078.382	0.242	0.030873	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	383871.121	383871.121		mg/L
As	75	95250.833	0.246	0.031433	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	385182.619	385182.619		mg/L
As	75	94380.242	0.243	0.031036	mg/L

: 00825

Sample Information

Sample ID: 1001382-04
Autosampler Position: 22
Sample Date/Time: Monday, February 08, 2010 18:29:04
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\1001382-04.020
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	375602.391	375602.391				mg/L
	As	75	142642.982	0.378	0.048240	0.000	0.966	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	102.493
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	378009.007	378008.007		mg/L
As	75	142187.087	0.374	0.047769	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	370811.123	370811.123		mg/L
As	75	142188.704	0.381	0.048700	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	377987.043	377987.043		mg/L
As	75	143585.156	0.378	0.048253	mg/L

: 00826

Sample Information

Sample ID: 1001382-05
Autosampler Position: 23
Sample Date/Time: Monday, February 08, 2010 18:31:11
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\1001382-05.021
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	389802.853	389802.853				mg/L
	As	75	92548.879	0.236	0.030071	0.001	1.903	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	106.368
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	390235.711	390235.711		mg/L
As	75	91972.423	0.234	0.029842	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	394816.080	394816.080		mg/L
As	75	92388.882	0.232	0.029648	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	384536.784	384536.784		mg/L
As	75	93274.353	0.241	0.030722	mg/L

00827

Sample Information

Sample ID: 1001382-06
Autosampler Position: 24
Sample Date/Time: Monday, February 08, 2010 18:33:15
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\1001382-06.022
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	375520.278	375520.278				mg/L
	As	75	46004.899	0.121	0.015396	0.000	1.105	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	102.470
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	375178.173	375178.173		mg/L
As	75	45848.883	0.120	0.015289	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	377386.619	377386.619		mg/L
As	75	46812.803	0.122	0.015582	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	373886.842	373886.842		mg/L
As	75	45555.212	0.120	0.015307	mg/L

Sample Information

Sample ID: 1000891-MS2
Autosampler Position: 25
Sample Date/Time: Monday, February 08, 2010 18:35:15
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\1000891-MS2.023
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	379482.577	379482.577				mg/L
	As	75	157348.999	0.413	0.052693	0.001	1.367	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	103.552
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	382383.088	382383.088		mg/L
As	75	159830.834	0.408	0.052050	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	375548.256	375548.256		mg/L
As	75	158019.037	0.418	0.053471	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	380538.360	380538.360		mg/L
As	75	157397.324	0.412	0.052556	mg/L

Sample Information

Sample ID: 1000891-MSD2
Autosampler Position: 26
Sample Date/Time: Monday, February 08, 2010 18:37:16
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\1000891-MSD2.024
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	377961.166	377961.166				mg/L
	As	75	174710.642	0.460	0.058770	0.001	1.086	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	103.136
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	382808.345	382808.345		mg/L
As	75	174802.583	0.456	0.058033	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	372988.191	372988.191		mg/L
As	75	173538.029	0.463	0.059154	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	376007.981	376007.981		mg/L
As	75	175781.316	0.463	0.059123	mg/L

Sample Information

Sample ID: 0B08046-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 08, 2010 18:39:17
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\0B08046-CCV.025
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	371170.103	371170.103				mg/L
	As	75	120691.469	0.323	0.041268	0.000	0.972	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	101.283
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	371420.361	371420.361		mg/L
As	75	119828.580	0.320	0.040873	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	374740.194	374740.194		mg/L
As	75	121821.398	0.323	0.041256	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	367349.732	367349.732		mg/L
As	75	120824.420	0.326	0.041675	mg/L

Sample Information

Sample ID: 0B08046-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 08, 2010 18:41:19
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\0B08046-CCB.026
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	367436.048	367436.048				mg/L
	As	75	690.127	-0.000	-0.000003	0.000	1441.279	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	100.264
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	370683.785	370683.785		mg/L
As	75	829.951	0.000	0.000043	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	368588.334	368588.334		mg/L
As	75	672.047	-0.000	-0.000008	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	365148.048	365148.048		mg/L
As	75	668.372	-0.000	-0.000044	mg/L

Sample Information

Sample ID: 0B08046-SRD1
Autosampler Position: 27
Sample Date/Time: Monday, February 08, 2010 18:43:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\0B08046-SRD1.027
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	375133.655	375133.655				mg/L
	As	75	10283.722	0.026	0.003257	0.000	1.254	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	102.365
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	378531.853	378531.853		mg/L
As	75	10288.862	0.025	0.003211	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	374758.013	374758.013		mg/L
As	75	10313.139	0.026	0.003270	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	371109.869	371109.869		mg/L
As	75	10268.084	0.026	0.003260	mg/L

Sample Information

Sample ID: 1000891-PS2
Autosampler Position: 28
Sample Date/Time: Monday, February 08, 2010 18:45:22
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\1000891-PS2.028
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	382797.053	382797.053				mg/L
	As	75	102731.695	0.266	0.034015	0.000	0.784	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	104.456
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	383673.689	383673.689		mg/L
As	75	102369.395	0.265	0.033781	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	378015.282	378015.282		mg/L
As	75	101237.881	0.268	0.033845	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	386402.188	386402.188		mg/L
As	75	104588.029	0.269	0.034310	mg/L

Sample Information

Sample ID: 1001382-07
Autosampler Position: 29
Sample Date/Time: Monday, February 08, 2010 18:47:24
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\1001382-07.029
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	380028.499	380028.499				mg/L
	As	75	59598.565	0.155	0.019783	0.001	3.104	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	103.701
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	388801.105	388801.105		mg/L
As	75	58529.883	0.149	0.019084	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	374858.749	374858.749		mg/L
As	75	58843.547	0.157	0.020029	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	378524.844	378524.844		mg/L
As	75	60722.454	0.158	0.020238	mg/L

: 00835

Sample Information

Sample ID: 100 1382-08
Autosampler Posi ition: 30
Sample Date/Time: Monday, February 08, 2010 18:49:27
Initial Sample Qua ntity (mg):
Sample Prep Volu me (mL):
Aliquot Volume (m L):
Diluted To Volum e (mL):
Number of Replic ates: 3
Sample File: C:\E elandata\Sample\0B08046.sam
Method File: c:\e landata\Method\Solid_6020A_201.mth
Dataset File: C:\ Elandata\DataSet\0B08046\1001382-08.030
Tuning File: c:\e landata\Tuning\08feb2010_6020a_b.tun
Optimization Fil e: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	380827.307	380827.307				mg/L
	As	75	66121.899	0.172	0.021921	0.000	1.053	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	103.918
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	379122.946	379122.946		mg/L
As	75	65044.839	0.170	0.021656	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	379171.121	379171.121		mg/L
As	75	66188.352	0.173	0.022082	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	385187.853	385187.853		mg/L
As	75	67154.505	0.172	0.022013	mg/L

: 00836

Sample Information

Sample ID: 1001382-09
Autosampler Position: 31
Sample Date/Time: Monday, February 08, 2010 18:51:30
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\1001382-09.031
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	396117.803	396117.803				mg/L
	As	75	61727.126	0.154	0.019656	0.000	2.070	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	108.091
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	405786.575	405786.575		mg/L
As	75	61755.970	0.150	0.019186	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	391108.234	391108.234		mg/L
As	75	61688.580	0.156	0.019886	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	391480.197	391480.197		mg/L
As	75	61729.848	0.156	0.019895	mg/L

: 00837

Sample Information

Sample ID: 0B08046-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 08, 2010 18:53:33
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\0B08046-CCV.032
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	381540.558	381540.558				mg/L
	As	75	122727.100	0.320	0.040819	0.000	0.480	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	104.113
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	385483.514	385483.514		mg/L
As	75	124237.776	0.320	0.040868	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	377616.809	377616.809		mg/L
As	75	121892.310	0.321	0.040864	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	381511.352	381511.352		mg/L
As	75	122051.313	0.318	0.040588	mg/L

Sample Information

Sample ID: 0B08046-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 08, 2010 18:55:35
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B08046.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B08046\0B08046-CCB.033
Tuning File: c:\elandata\Tuning\08feb2010_6020a_b.tun
Optimization File: c:\elandata\Optimize\08feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Ge	72	376622.849	376622.849				mg/L
	As	75	919.299	0.001	0.000069	0.000	25.716	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Ge	71.922	102.771
	As	74.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	374535.282	374535.282		mg/L
As	75	958.885	0.001	0.000085	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	378084.794	378084.794		mg/L
As	75	930.016	0.001	0.000073	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Ge	72	379248.472	379248.472		mg/L
As	75	868.216	0.000	0.000050	mg/L

TriMatrix Laboratories, Inc.

SulTRAC

Project: Plainwell Mill

SDG: PM012510

USEPA-7471A

: 00840

SAMPLE ID SUMMARY
USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-SO-56394-CB-012510-129	1001350-01
S-SO-56394-CB-012510-133	1001350-02
S-SO-56394-CB-012510-137	1001350-03
S-SO-56394-CB-012510-144	1001350-04
S-SO-56394-DR-012510-1069	1001350-05
S-SO-56394-DR-012510-1059	1001350-06
S-SO-56394-CB-012510-143	1001350-07
S-SO-56394-DR-012510-1063	1001350-08
S-SO-56394-CB-012610-153	1001350-09
S-SO-56394-CB-012610-158	1001350-10
S-SO-56394-CB-012610-160	1001350-11
S-SO-56394-CB-012610-165	1001350-12
S-SO-56394-DR-012610-1078	1001350-13
SD-SO-56394-DR-012610-1078	1001350-14
S-SO-56394-DR-012610-1075	1001350-15
S-SO-56394-CB-012610-166	1001350-16
S-SO-56394-CB-012710-168	1001382-01
SD-SO-56394-CB-012710-168	1001382-02
S-SO-56394-CB-012710-177	1001382-03
S-SO-56394-CB-012710-180	1001382-04
S-SO-56394-CB-012710-182	1001382-05
S-SO-56394-CB-012710-183	1001382-06
S-SO-56394-CB-012810-189	1001382-07
SD-SO-56394-CB-012810-189	1001382-08
S-SO-56394-CB-012810-190	1001382-09

: 00841

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-012510-129

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 09:55
Solids: 86.07
Laboratory ID: 1001350-01

SDG: PM012510
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 02/01/10 15:00
Initial/Final: 0.3004 g / 50 mL
QC Batch: 1000853

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.73	mg/kg dry wt.	1	0.050	0.016		02/02/10 09:19

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-012510-133

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 11:25
Solids: 85.09
Laboratory ID: 1001350-02

SDG: PM012510
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 02/01/10 15:00
Initial/Final: 0.3026 g / 50 mL
QC Batch: 1000853

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.24	mg/kg dry wt.	1	0.050	0.016		02/02/10 09:24

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-012510-137

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 12:55
Solids: 93.43
Laboratory ID: 1001350-03

SDG: PM012510
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 02/01/10 15:00
Initial/Final: 0.3052 g / 50 mL
QC Batch: 1000853

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.29	mg/kg dry wt.	1	0.050	0.016		02/02/10 09:28

00844

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-012510-144

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 15:50
Solids: 89.23
Laboratory ID: 1001350-04

SDG: PM012510
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 02/01/10 15:00
Initial/Final: 0.3275 g / 50 mL
QC Batch: 1000853

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.20	mg/kg dry wt.	1	0.046	0.015		02/02/10 09:33

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-DR-012510-1069

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 14:40
Solids: 87.99
Laboratory ID: 1001350-05

SDG: PM012510
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 02/01/10 15:00
Initial/Final: 0.3019 g / 50 mL
QC Batch: 1000853

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.19	mg/kg dry wt.	1	0.050	0.016		02/02/10 09:38

00846

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-DR-012510-1059

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 09:25
Solids: 96.12
Laboratory ID: 1001350-06

SDG: PM012510
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 02/01/10 15:00
Initial/Final: 0.317 g / 50 mL
QC Batch: 1000853

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.018	mg/kg dry wt.	1	0.050	0.016	J	02/02/10 09:43

: 00847

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-012510-143

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 13:05
Solids: 92.69
Laboratory ID: 1001350-07

SDG: PM012510
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 02/01/10 15:00
Initial/Final: 0.3018 g / 50 mL
QC Batch: 1000853

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.034	mg/kg dry wt.	1	0.050	0.016	J	02/02/10 09:48

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-DR-012510-1063

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 11:25
Solids: 94.79
Laboratory ID: 1001350-08

SDG: PM012510
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 02/01/10 15:00
Initial/Final: 0.3015 g / 50 mL
QC Batch: 1000853

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.050	mg/kg dry wt.	1	0.050	0.016	U	02/02/10 09:53

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-012610-153

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 10:20
Solids: 93.33
Laboratory ID: 1001350-09

SDG: PM012510
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 02/01/10 15:00
Initial/Final: 0.3047 g / 50 mL
QC Batch: 1000853

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.019	mg/kg dry wt.	1	0.050	0.016	J	02/02/10 09:58

00850

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-012610-158

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 12:50
Solids: 89.12
Laboratory ID: 1001350-10

SDG: PM012510
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 02/01/10 15:00
Initial/Final: 0.3125 g / 50 mL
QC Batch: 1000853

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	1.2	mg/kg dry wt.	5	0.25	0.082		02/02/10 13:09

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-012610-160

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 13:45
Solids: 89.48
Laboratory ID: 1001350-11

SDG: PM012510
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 02/01/10 15:00
Initial/Final: 0.3109 g / 50 mL
QC Batch: 1000853

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.027	mg/kg dry wt.	1	0.050	0.016	J	02/02/10 10:23

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-012610-165

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 15:20
Solids: 94.94
Laboratory ID: 1001350-12

SDG: PM012510
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 02/01/10 15:00
Initial/Final: 0.3116 g / 50 mL
QC Batch: 1000853

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.050	mg/kg dry wt.	1	0.050	0.016	U	02/02/10 10:28

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-DR-012610-1078

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 11:35
Solids: 76.18
Laboratory ID: 1001350-13

SDG: PM012510
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 02/01/10 15:00
Initial/Final: 0.3046 g / 50 mL
QC Batch: 1000853

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.017	mg/kg dry wt.	1	0.050	0.016	J	02/02/10 10:33

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

SD-SO-56394-DR-012610-1078

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 11:35
Solids: 75.13
Laboratory ID: 1001350-14

SDG: PM012510
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 02/01/10 15:00
Initial/Final: 0.3016 g / 50 mL
QC Batch: 1000853

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.020	mg/kg dry wt.	1	0.050	0.016	J	02/02/10 10:38

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-DR-012610-1075

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 09:25
Solids: 96.00
Laboratory ID: 1001350-15

SDG: PM012510
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 02/01/10 15:00
Initial/Final: 0.3079 g / 50 mL
QC Batch: 1000853

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.050	mg/kg dry wt.	1	0.050	0.016	U	02/02/10 10:43

00856

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-012610-166

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 16:10
Solids: 92.05
Laboratory ID: 1001350-16

SDG: PM012510
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 02/01/10 15:00
Initial/Final: 0.3073 g / 50 mL
QC Batch: 1000853

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	2.1	mg/kg dry wt.	10	0.50	0.16		02/02/10 13:35

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-012710-168

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 09:00
Solids: 88.49
Laboratory ID: 1001382-01

SDG: PM012510
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 02/01/10 15:00
Initial/Final: 0.3108 g / 50 mL
QC Batch: 1000855

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.29	mg/kg dry wt.	1	0.050	0.016		02/02/10 11:09

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

SD-SO-56394-CB-012710-168

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 09:00
Solids: 88.06
Laboratory ID: 1001382-02

SDG: PM012510
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 02/01/10 15:00
Initial/Final: 0.3159 g / 50 mL
QC Batch: 1000855

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.28	mg/kg dry wt.	1	0.050	0.016		02/02/10 11:14

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-012710-177

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 11:35
Solids: 85.97
Laboratory ID: 1001382-03

SDG: PM012510
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 02/01/10 15:00
Initial/Final: 0.3118 g / 50 mL
QC Batch: 1000855

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	84	mg/kg dry wt.	200	10	3.3		02/02/10 13:40

00860

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-012710-180

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 13:50
Solids: 86.74
Laboratory ID: 1001382-04

SDG: PM012510
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 02/01/10 15:00
Initial/Final: 0.3101 g / 50 mL
QC Batch: 1000855

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.54	mg/kg dry wt.	1	0.050	0.016		02/02/10 11:47

: 00861

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-012710-182

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 14:50
Solids: 87.54
Laboratory ID: 1001382-05

SDG: PM012510
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 02/01/10 15:00
Initial/Final: 0.3199 g / 50 mL
QC Batch: 1000855

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	1.2	mg/kg dry wt.	5	0.23	0.077		02/02/10 13:24

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-012710-183

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 15:20
Solids: 92.32
Laboratory ID: 1001382-06

SDG: PM012510
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 02/01/10 15:00
Initial/Final: 0.3035 g / 50 mL
QC Batch: 1000855

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.28	mg/kg dry wt.	1	0.050	0.016		02/02/10 12:11

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-012810-189

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/28/10 09:15
Solids: 94.86
Laboratory ID: 1001382-07

SDG: PM012510
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 02/01/10 15:00
Initial/Final: 0.3102 g / 50 mL
QC Batch: 1000855

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.27	mg/kg dry wt.	1	0.050	0.016		02/02/10 12:27

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

SD-SO-56394-CB-012810-189

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/28/10 09:15
Solids: 94.96
Laboratory ID: 1001382-08

SDG: PM012510
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 02/01/10 15:00
Initial/Final: 0.3166 g / 50 mL
QC Batch: 1000855

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.24	mg/kg dry wt.	1	0.050	0.016		02/02/10 12:32

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-012810-190

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/28/10 10:05
Solids: 89.70
Laboratory ID: 1001382-09

SDG: PM012510
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 02/01/10 15:00
Initial/Final: 0.3049 g / 50 mL
QC Batch: 1000855

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	1.1	mg/kg dry wt.	5	0.25	0.082		02/02/10 13:29

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B03012

SDG: PM012510
Project: Plainwell Mill
Instrument: 216
Calibration: 0B03005

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B03012-CAL1	f02so-a2-001	02/02/10 07:26
Cal Standard	0B03012-CAL2	f02so-a2-004	02/02/10 07:31
Cal Standard	0B03012-CAL3	f02so-a2-007	02/02/10 07:36
Cal Standard	0B03012-CAL4	f02so-a2-010	02/02/10 07:40
Cal Standard	0B03012-CAL5	f02so-a2-013	02/02/10 07:45
Cal Standard	0B03012-CAL6	f02so-a2-016	02/02/10 07:50
Secondary Cal Check	0B03012-SCV1	f02so-a2-019	02/02/10 07:56
Calibration Check	0B03012-CCV1	f02so-a2-019	02/02/10 07:56
Calibration Blank	0B03012-CCB1	f02so-a2-022	02/02/10 08:01
MRL Check	0B03012-CRL1	f02so-a2-025	02/02/10 08:06
Calibration Check	0B03012-CCV2	f02so-a2-028	02/02/10 08:11
Calibration Blank	0B03012-CCB2	f02so-a2-031	02/02/10 08:15
Blank	1000853-BLK1	f02so-a2-058	02/02/10 08:59
LCS	1000853-BS1	f02so-a2-061	02/02/10 09:04
Calibration Check	0B03012-CCV3	f02so-a2-064	02/02/10 09:09
Calibration Blank	0B03012-CCB3	f02so-a2-067	02/02/10 09:14
S-SO-56394-CB-012510-129	1001350-01	f02so-a2-070	02/02/10 09:19
S-SO-56394-CB-012510-133	1001350-02	f02so-a2-073	02/02/10 09:24
S-SO-56394-CB-012510-137	1001350-03	f02so-a2-076	02/02/10 09:28
S-SO-56394-CB-012510-144	1001350-04	f02so-a2-079	02/02/10 09:33
S-SO-56394-DR-012510-1069	1001350-05	f02so-a2-082	02/02/10 09:38
S-SO-56394-DR-012510-1059	1001350-06	f02so-a2-085	02/02/10 09:43
S-SO-56394-CB-012510-143	1001350-07	f02so-a2-088	02/02/10 09:48
S-SO-56394-DR-012510-1063	1001350-08	f02so-a2-091	02/02/10 09:53
S-SO-56394-CB-012610-153	1001350-09	f02so-a2-094	02/02/10 09:58
Calibration Blank	0B03012-CCB4	f02so-a2-103	02/02/10 10:13
Calibration Check	0B03012-CCV4	f02so-a2-106	02/02/10 10:18
S-SO-56394-CB-012610-160	1001350-11	f02so-a2-109	02/02/10 10:23
S-SO-56394-CB-012610-165	1001350-12	f02so-a2-112	02/02/10 10:28
S-SO-56394-DR-012610-1078	1001350-13	f02so-a2-115	02/02/10 10:33
SD-SO-56394-DR-012610-1078	1001350-14	f02so-a2-118	02/02/10 10:38
S-SO-56394-DR-012610-1075	1001350-15	f02so-a2-121	02/02/10 10:43

: 00867

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B03012

SDG: PM012510
Project: Plainwell Mill
Instrument: 216
Calibration: 0B03005

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0B03012-CCV5	f02so-a2-130	02/02/10 10:59
Calibration Blank	0B03012-CCB5	f02so-a2-133	02/02/10 11:04
S-SO-56394-CB-012710-168	1001382-01	f02so-a2-136	02/02/10 11:09
SD-SO-56394-CB-012710-168	1001382-02	f02so-a2-139	02/02/10 11:14
Blank	1000855-BLK1	f02so-a2-145	02/02/10 11:37
LCS	1000855-BS1	f02so-a2-148	02/02/10 11:42
S-SO-56394-CB-012710-180	1001382-04	f02so-a2-151	02/02/10 11:47
Calibration Check	0B03012-CCV6	f02so-a2-154	02/02/10 11:52
Calibration Blank	0B03012-CCB6	f02so-a2-157	02/02/10 11:57
S-SO-56394-CB-012710-183	1001382-06	f02so-a2-163	02/02/10 12:11
S-SO-56394-CB-012710-183	1000855-MS1	f02so-a2-166	02/02/10 12:16
S-SO-56394-CB-012710-183	1000855-MSD1	f02so-a2-169	02/02/10 12:21
S-SO-56394-CB-012810-189	1001382-07	f02so-a2-172	02/02/10 12:27
SD-SO-56394-CB-012810-189	1001382-08	f02so-a2-175	02/02/10 12:32
Calibration Check	0B03012-CCV7	f02so-a2-190	02/02/10 12:57
Calibration Blank	0B03012-CCB7	f02so-a2-193	02/02/10 13:02
S-SO-56394-CB-012610-158	1001350-10	f02so-a2-196	02/02/10 13:09
S-SO-56394-CB-012710-182	1001382-05	f02so-a2-205	02/02/10 13:24
S-SO-56394-CB-012810-190	1001382-09	f02so-a2-208	02/02/10 13:29
S-SO-56394-CB-012610-166	1001350-16	f02so-a2-211	02/02/10 13:35
S-SO-56394-CB-012710-177	1001382-03	f02so-a2-214	02/02/10 13:40
Calibration Check	0B03012-CCV8	f02so-a2-217	02/02/10 13:45
Calibration Blank	0B03012-CCB8	f02so-a2-220	02/02/10 13:50

00868

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B03012
Instrument ID: 216
Control Limt: +/- 10.00%
Calibration: 0B03005

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B03012-CCV1	Mercury	3.00	3.08	103	ug/L	02/02/10 07:56
0B03012-CCV2	Mercury	2.00	2.00	100	ug/L	02/02/10 08:11
0B03012-CCV3	Mercury	2.00	1.99	100	ug/L	02/02/10 09:09
0B03012-CCV4	Mercury	2.00	1.95	98	ug/L	02/02/10 10:18
0B03012-CCV5	Mercury	2.00	2.07	104	ug/L	02/02/10 10:59
0B03012-CCV6	Mercury	2.00	1.95	98	ug/L	02/02/10 11:52
0B03012-CCV7	Mercury	2.00	1.79	90	ug/L	02/02/10 12:57
0B03012-CCV8	Mercury	2.00	2.02	101	ug/L	02/02/10 13:45

* Values outside of QC limits

: 00869

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B03012
Instrument: 216
Laboratory ID: 0B03012-SCV1
Calibration: 0B03005

Analyte	Expected	Found	% R	QC Limit	Units
Mercury	3.00	3.08	103	90-110	ug/L

* Values outside of QC limits

: 00870

CRDL STANDARD

USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0B03012

Instrument ID: 216

Calibration: 0B03005

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B03012-CRL1	Mercury	0.200	0.223	111	ug/L	50 - 150

* Values outside of QC limits

: 00871

BLANKS
USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B03012
Instrument ID: 216
Calibration: 0B03005

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B03012-CCB1	Mercury	-0.021	0.30	0.098	ug/L	U	02/02/10 08:01
0B03012-CCB2	Mercury	-0.010	0.30	0.098	ug/L	U	02/02/10 08:15
0B03012-CCB3	Mercury	-0.014	0.30	0.098	ug/L	U	02/02/10 09:14
0B03012-CCB4	Mercury	0.00085	0.30	0.098	ug/L	U	02/02/10 10:13
0B03012-CCB5	Mercury	0.0079	0.30	0.098	ug/L	U	02/02/10 11:04
0B03012-CCB6	Mercury	-0.0056	0.30	0.098	ug/L	U	02/02/10 11:57
0B03012-CCB7	Mercury	-0.00081	0.30	0.098	ug/L	U	02/02/10 13:02
0B03012-CCB8	Mercury	-0.0090	0.30	0.098	ug/L	U	02/02/10 13:50

* Values outside of QC limits

: 00872

QC BATCH SUMMARY
USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510

Client: SulTRAC Project: Plainwell Mill

QC Batch: 1000853 QC Batch Matrix: Soil Preparation: 7471A Mercury Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000853-BLK1	02/01/10 15:00	
LCS	1000853-BS1	02/01/10 15:00	
S-SO-56394-CB-012510-129	1001350-01	02/01/10 15:00	soil
S-SO-56394-CB-012510-133	1001350-02	02/01/10 15:00	soil
S-SO-56394-CB-012510-137	1001350-03	02/01/10 15:00	soil
S-SO-56394-CB-012510-144	1001350-04	02/01/10 15:00	soil
S-SO-56394-DR-012510-1069	1001350-05	02/01/10 15:00	soil
S-SO-56394-DR-012510-1059	1001350-06	02/01/10 15:00	soil
S-SO-56394-CB-012510-143	1001350-07	02/01/10 15:00	soil
S-SO-56394-DR-012510-1063	1001350-08	02/01/10 15:00	soil
S-SO-56394-CB-012610-153	1001350-09	02/01/10 15:00	soil
S-SO-56394-CB-012610-158	1001350-10	02/01/10 15:00	soil
S-SO-56394-CB-012610-160	1001350-11	02/01/10 15:00	soil
S-SO-56394-CB-012610-165	1001350-12	02/01/10 15:00	soil
S-SO-56394-DR-012610-1078	1001350-13	02/01/10 15:00	soil
SD-SO-56394-DR-012610-1078	1001350-14	02/01/10 15:00	soil
S-SO-56394-DR-012610-1075	1001350-15	02/01/10 15:00	soil
S-SO-56394-CB-012610-166	1001350-16	02/01/10 15:00	soil

00873

QC BATCH SUMMARY
USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510

Client: SulTRAC
Project: Plainwell Mill

QC Batch: 1000855
QC Batch Matrix: Soil
Preparation: 7471A Mercury Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000855-BLK1	02/01/10 15:00	
LCS	1000855-BS1	02/01/10 15:00	
S-SO-56394-CB-012710-183	1000855-MS1	02/01/10 15:00	
S-SO-56394-CB-012710-183	1000855-MSD1	02/01/10 15:00	
S-SO-56394-CB-012710-168	1001382-01	02/01/10 15:00	soil
SD-SO-56394-CB-012710-168	1001382-02	02/01/10 15:00	soil
S-SO-56394-CB-012710-177	1001382-03	02/01/10 15:00	soil
S-SO-56394-CB-012710-180	1001382-04	02/01/10 15:00	soil
S-SO-56394-CB-012710-182	1001382-05	02/01/10 15:00	soil
S-SO-56394-CB-012710-183	1001382-06	02/01/10 15:00	soil
S-SO-56394-CB-012810-189	1001382-07	02/01/10 15:00	soil
SD-SO-56394-CB-012810-189	1001382-08	02/01/10 15:00	soil
S-SO-56394-CB-012810-190	1001382-09	02/01/10 15:00	soil

: 00874

METHOD BLANK DATA SHEET
USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000853-BLK1
File ID: f02so-a2-058
Prepared: 02/01/10 15:00
Preparation: 7471A Mercury Digestior
Initial/Final: 0.3 g / 50 mL
Analyzed: 02/02/10 08:59
Instrument: 216
QC Batch: 1000853
Sequence: 0B03012
Calibration: 0B03005

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7439-97-6	Mercury, Total	0.016	0.050	0.050	mg/kg dry wt.	U

: 00875

METHOD BLANK DATA SHEET
USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000855-BLK1
File ID: f02so-a2-145
Prepared: 02/01/10 15:00
Preparation: 7471A Mercury Digestior
Initial/Final: 0.3 g / 50 mL
Analyzed: 02/02/10 11:37
Instrument: 216
QC Batch: 1000855
Sequence: 0B03012
Calibration: 0B03005

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7439-97-6	Mercury, Total	0.016	0.050	0.050	mg/kg dry wt.	U

: 00876

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-7471A

S-SO-56394-CB-012710-183

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510

Project: Plainwell Mill

Preparation: 7471A Mercury Digestion

Initial/Final: 0.3053 g / 50 mL

Laboratory ID: 1000855-MS1

QC Batch: 1000855

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Mercury, Total	0.328	0.283	0.564	86	80 - 120	mg/kg dry wt.

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

* Values outside of QC limits

: 00877

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-7471A

S-SO-56394-CB-012710-183

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510

Project: Plainwell Mill

Preparation: 7471A Mercury Digestion

Initial/Final: 0.3062 g / 50 mL

Laboratory ID: 1000855-MSD1

QC Batch: 1000855

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Mercury, Total	0.327	0.620	103	9	20	80 - 120	mg/kg dry wt.

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

* Values outside of QC limits

: 00878

LCS / LCS DUPLICATE RECOVERY
USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Laboratory ID: 1000853-BS1

SDG: PM012510
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Initial/Final: 0.3 g / 50 mL
QC Batch: 1000853
Sequence: 0B03012

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Mercury, Total	0.333	0.340	102	80 - 120	mg/kg dry wt.

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

* Values outside of QC limits

: 00879

LCS / LCS DUPLICATE RECOVERY
USEPA-7471A

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

Laboratory ID: 1000855-BS1

SDG: PM012510
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Initial/Final: 0.3 g / 50 mL
QC Batch: 1000855
Sequence: 0B03012

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Mercury, Total	0.333	0.315	94	80 - 120	mg/kg dry wt.

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

* Values outside of QC limits

00880

HOLDING TIME SUMMARY
USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
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	01/26/10		02/01/10	7	NA	02/02/10	8	28	
S-SO-56394-CB-012510-133	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	28	
S-SO-56394-CB-012510-137	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	28	
S-SO-56394-CB-012510-144	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	28	
S-SO-56394-DR-012510-1069	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	28	
S-SO-56394-DR-012510-1059	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	28	
S-SO-56394-CB-012510-143	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	28	
S-SO-56394-DR-012510-1063	01/25/10	01/26/10		02/01/10	7	NA	02/02/10	8	28	
S-SO-56394-CB-012610-153	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	28	
S-SO-56394-CB-012610-158	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	28	
S-SO-56394-CB-012610-160	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	28	
S-SO-56394-CB-012610-165	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	28	
S-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	28	
SD-SO-56394-DR-012610-1078	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	28	
S-SO-56394-DR-012610-1075	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	28	
S-SO-56394-CB-012610-166	01/26/10	01/26/10		02/01/10	6	NA	02/02/10	7	28	
S-SO-56394-CB-012710-168	01/27/10	01/28/10		02/01/10	5	NA	02/02/10	6	28	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10		02/01/10	5	NA	02/02/10	6	28	
S-SO-56394-CB-012710-177	01/27/10	01/28/10		02/01/10	5	NA	02/02/10	6	28	
S-SO-56394-CB-012710-180	01/27/10	01/28/10		02/01/10	5	NA	02/02/10	6	28	
S-SO-56394-CB-012710-182	01/27/10	01/28/10		02/01/10	5	NA	02/02/10	6	28	
S-SO-56394-CB-012710-183	01/27/10	01/28/10		02/01/10	5	NA	02/02/10	6	28	

: 00881

HOLDING TIME SUMMARY
USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510

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-012810-189	01/28/10	01/28/10		02/01/10	4	NA	02/02/10	5	28	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10		02/01/10	4	NA	02/02/10	5	28	
S-SO-56394-CB-012810-190	01/28/10	01/28/10		02/01/10	4	NA	02/02/10	5	28	

: 00882

Metals, Soil, 7471A Mercury Digestion

88883

Batch comments:

MAS 02/01/10 3:00-3:30PM
INST#218@93.9C#222
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client: Source ID	Client: Spike ID	Client: uL Spike	Comments	
1000853-BLK1		Feb-01-10 15:00	MAS	0.3	50					
1000853-BS1		Feb-01-10 15:00	MAS	0.3	50		9100898	100		
1000853-MS1		Feb-01-10 15:00	MAS	0.3187	50	1001350-16	9100898	100		
1000853-MSD1		Feb-01-10 15:00	MAS	0.3073	50	1001350-16	9100898	100		
1001350-01 *Hg Total 7471A*	A	Feb-01-10 15:00	MAS	0.3004	50	SulTRAC			soil	soil
1001350-02 *Hg Total 7471A*	A	Feb-01-10 15:00	MAS	0.3026	50	SulTRAC			soil	soil
1001350-03 *Hg Total 7471A*	A	Feb-01-10 15:00	MAS	0.3052	50	SulTRAC			soil	soil
1001350-04 *Hg Total 7471A*	A	Feb-01-10 15:00	MAS	0.3275	50	SulTRAC			soil	soil
1001350-05 *Hg Total 7471A*	A	Feb-01-10 15:00	MAS	0.3019	50	SulTRAC			soil	soil
1001350-06 *Hg Total 7471A*	A	Feb-01-10 15:00	MAS	0.317	50	SulTRAC			soil	soil
1001350-07 *Hg Total 7471A*	A	Feb-01-10 15:00	MAS	0.3018	50	SulTRAC			soil	soil
1001350-08 *Hg Total 7471A*	A	Feb-01-10 15:00	MAS	0.3015	50	SulTRAC			soil	soil
1001350-09 *Hg Total 7471A*	A	Feb-01-10 15:00	MAS	0.3047	50	SulTRAC			soil	soil
1001350-10 *Hg Total 7471A*	A	Feb-01-10 15:00	MAS	0.3125	50	SulTRAC			soil	soil

Comments:

Analyst Initials:

Metals, Soil, 7471A Mercury Digestion

68884

Batch comments:

MAS 02/01/10 3:00-3:30PM
INST#218@93.9C#222
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments	
1001350-11	A	Feb-01-10 15:00	MAS	0.3109	50	SulTRAC			soil	soil
Hg Total 7471A										
1001350-12	A	Feb-01-10 15:00	MAS	0.3116	50	SulTRAC			soil	soil
Hg Total 7471A										
1001350-13	A	Feb-01-10 15:00	MAS	0.3046	50	SulTRAC			soil	soil
Hg Total 7471A										
1001350-14	A	Feb-01-10 15:00	MAS	0.3016	50	SulTRAC			soil	soil
Hg Total 7471A										
1001350-15	A	Feb-01-10 15:00	MAS	0.3079	50	SulTRAC			soil	soil
Hg Total 7471A										
1001350-16	A	Feb-01-10 15:00	MAS	0.3073	50	SulTRAC			soil	soil
Hg Total 7471A										

Comments:

Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH **1000855** Page 1 of 1

Printed: 2/11/2010 1:51:48PM

Metals, Soil, 7471A Mercury Digestion

6835

Batch comments:

MAS 02/01/10 3:00-3:30PM
INST#218@93.9C#222
HOTBLOCK VESSEL LOT#A905LS269

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client: Source ID	Client: Spike ID	Client: uL Spike	Comments	
1000855-BLK1		Feb-01-10 15:00	MAS	0.3	50					
1000855-BS1		Feb-01-10 15:00	MAS	0.3	50		9100898	100		
1000855-MS1		Feb-01-10 15:00	MAS	0.3053	50	1001382-06	9100898	100		
1000855-MSD1		Feb-01-10 15:00	MAS	0.3062	50	1001382-06	9100898	100		
1001382-01	A	Feb-01-10 15:00	MAS	0.3108	50	SulTRAC			soil	soil
Hg Total 7471A										
1001382-02	A	Feb-01-10 15:00	MAS	0.3159	50	SulTRAC			soil	soil
Hg Total 7471A										
1001382-03	A	Feb-01-10 15:00	MAS	0.3118	50	SulTRAC			soil	soil
Hg Total 7471A										
1001382-04	A	Feb-01-10 15:00	MAS	0.3101	50	SulTRAC			soil	soil
Hg Total 7471A										
1001382-05	A	Feb-01-10 15:00	MAS	0.3199	50	SulTRAC			soil	soil
Hg Total 7471A										
1001382-06	A	Feb-01-10 15:00	MAS	0.3035	50	SulTRAC			soil	soil
Hg Total 7471A										
1001382-07	A	Feb-01-10 15:00	MAS	0.3102	50	SulTRAC			soil	soil
Hg Total 7471A										
1001382-08	A	Feb-01-10 15:00	MAS	0.3166	50	SulTRAC			soil	soil
Hg Total 7471A										
1001382-09	A	Feb-01-10 15:00	MAS	0.3049	50	SulTRAC			soil	soil
Hg Total 7471A										

Comments:

Analyst Initials:

2/3

TriMatrix Laboratories, Inc.

OB03012 soil calib. OB03005
OB03014 waste

Metals Laboratory Instrument Run Sequence Hg Solids

Instrument #: 216
Date: 2-~~3~~-10
Analyst: KW
SnCl#: 9120943

Data File: F0250-A2
Calibration BLK/ICB/CCB: 0.5% HNO3 LOT#1109060
Std/SCV prep date/analyst: 1-2-10 / KW

Standards/SCV prepped daily
Autosampler Position:

1. BLK/ICB/CCB/9020470
2. STD1/CRL/0.2 ug/L 9100905
3. STD2/0.5 ug/L 9100906
4. STD3/1.0 ug/L 9100907
5. STD4/CCV/2.0 ug/L 9100908
6. STD5/5.0 ug/L 9100909
7. SCV/3.0 ug/L 9100910

	Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor	Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor
Soil	11	1000852-BLK1				45	1001382-05			
	12	~~Low~~ BS				46	06			
	13	1001326-01 ~~BS1~~				47	1000855-MS1			
	14	1000852-MS1				48	MSD			
	15	MSD1				49	1001382-07			
waste	16	1000854-BLK1				50	08			
	17	BS1				51	09			
	18	1001360-01				waste 52	1000856-BLK1			
Soil 4MD	19	1000853-BLK1				53	BS1			
	20	BS1				54	1001373-01			
	21	1001350-01				Soil 55	1001350-10	5	25	5
	22	02				56	1001350-16	0.2	20	100
	23	03				57	1001382-03	0.2	20	100
	24	04				58	1001382-05	5	25	5
	25	05				59	1001382-09	5	25	5
	26	06				60	1001350-16	2	20	10X
	27	07				61	~~1001350~~ 1001382-03	0.2 10	20 20	200X
	28	08				62				
	29	09				63				
	30	10				64				
	31	11				65				
	32	12				66				
	33	13				67				
	34	14				68				
	35	15				69				
	36	16				70				
	37	1000853-MS1				71				
	38	MSD1				72				
Soil 4MD	rerun 39	1000855-BLK1				73				
	40	BS1				74				
	41	1001382-01				75				
	42	02				76				
	43	03				77				
	rerun 44	04				78				

Calibration Report -

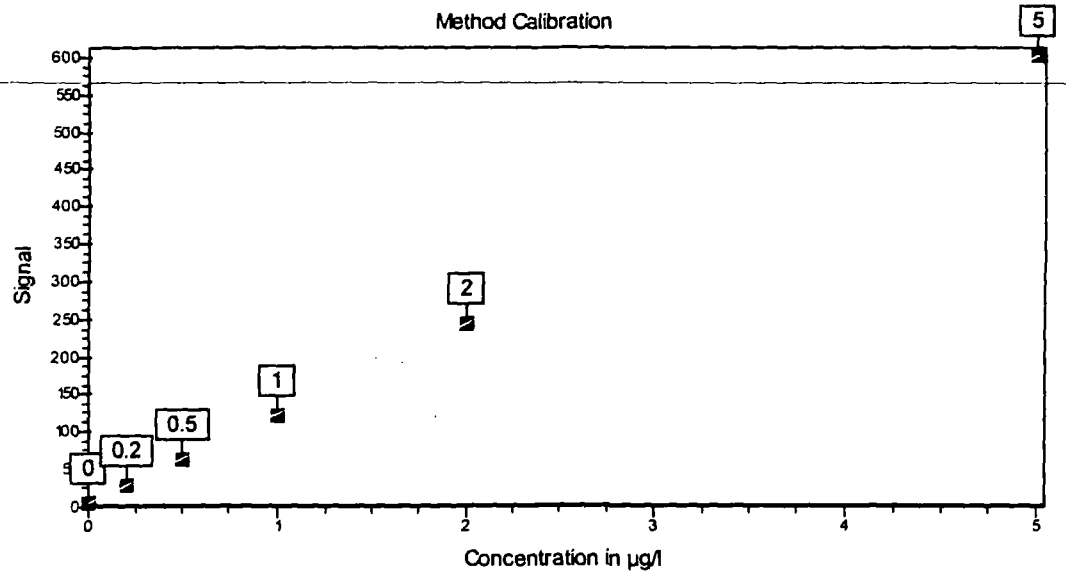
General Details

Measured By :

Calibration #:	Default
Fit Type :	Least Squares
Unit :	µg/l
Slope :	119.535439
Y Intercept :	4.662583
Correlation Coefficient :	0.999988
Reslope %:	

Definition of Standards

Include	*Pos*	*Runs*	*Conc*	*Pk Ht*	*Pk Area*	*Res %*	*Res Conc*	*Date/Time*
Yes	1	2	0.000	5.716608	-97.795990	0.000000	0.008818	02 Feb 2010 07:26
Yes	2	2	0.200	29.519178	537.861084	3.971655	0.007943	02 Feb 2010 07:31
Yes	3	2	0.500	63.275539	945.432312	-1.932085	-0.009660	02 Feb 2010 07:36
Yes	4	2	1.000	122.653938	1964.756592	-1.291737	-0.012917	02 Feb 2010 07:40
Yes	5	2	2.000	244.248459	3999.309814	0.215417	0.004308	02 Feb 2010 07:45
Yes	6	2	5.000	602.520081	9797.213867	0.030168	0.001508	02 Feb 2010 07:50



00887

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f02so-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	0.000		0.000	5.7166	-97.7960	-3.2945	2.7127	47.45	—	—		D	TriMatrix Mercury	02 Feb 2010 07:26
—	1/2	—	—	—	0.000	7.6348	-223.5887	-7.6348	—	—	—	—			TriMatrix Mercury	02 Feb 2010 07:24
—	2/2	—	—	—	0.000	3.7984	27.9967	1.0457	—	—	—	—			TriMatrix Mercury	02 Feb 2010 07:28
2	2	Cal	0.200		0.200	29.5192	537.8611	1.5588	0.1872	0.63	—	—		D	TriMatrix Mercury	02 Feb 2010 07:31
—	1/2	—	—	—	0.200	29.6515	431.9142	0.6084	—	—	—	—		D	TriMatrix Mercury	02 Feb 2010 07:28
—	2/2	—	—	—	0.200	29.3868	643.8080	2.5092	—	—	—	—		D	TriMatrix Mercury	02 Feb 2010 07:31
3	2	Cal	0.500		0.500	63.2755	945.4323	-0.2307	1.0835	1.71	—	—		D	TriMatrix Mercury	02 Feb 2010 07:36
—	1/2	—	—	—	0.500	62.5095	924.2971	0.4999	—	—	—	—		D	TriMatrix Mercury	02 Feb 2010 07:33
—	2/2	—	—	—	0.500	64.0416	966.5676	-0.9613	—	—	—	—		D	TriMatrix Mercury	02 Feb 2010 07:36
4	2	Cal	1.000		1.000	122.6539	1964.7566	-1.0760	0.1957	0.16	—	—		D	TriMatrix Mercury	02 Feb 2010 07:40
—	1/2	—	—	—	1.000	122.7887	2125.6885	0.3647	—	—	—	—		D	TriMatrix Mercury	02 Feb 2010 07:38
—	2/2	—	—	—	1.000	122.5192	1803.8248	-2.5168	—	—	—	—		D	TriMatrix Mercury	02 Feb 2010 07:40
5	2	Cal	2.000		2.000	244.2485	3999.3098	-0.8821	7.7655	3.18	—	—		D	TriMatrix Mercury	02 Feb 2010 07:45
—	1/2	—	—	—	2.000	249.7397	4195.8960	-0.4863	—	—	—	—		D	TriMatrix Mercury	02 Feb 2010 07:43
—	2/2	—	—	—	2.000	238.7572	3802.7234	-1.2778	—	—	—	—		D	TriMatrix Mercury	02 Feb 2010 07:45
6	2	Cal	5.000		5.000	602.5201	9797.2139	-1.3701	15.5851	2.59	—	—		D	TriMatrix Mercury	02 Feb 2010 07:50
—	1/2	—	—	—	5.000	613.5428	10253.6748	0.1853	—	—	—	—		D	TriMatrix Mercury	02 Feb 2010 07:48
—	2/2	—	—	—	5.000	591.4974	9340.7529	-2.9255	—	—	—	—		D	TriMatrix Mercury	02 Feb 2010 07:50
7	2	Sample	scv		3.085	373.3857	6162.7939	-0.3322	0.0409	1.33	1.00	—		D	TriMatrix Mercury	02 Feb 2010 07:56
—	1/2	—	—	—	3.056	369.9282	6034.6606	-1.2992	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 07:54
—	2/2	—	—	—	3.114	376.8434	6290.9277	0.6348	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 07:56
1	2	Sample	ccb		-0.021	2.1385	-262.2630	-2.1385	0.0038	-17.91	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:01
—	1/2	—	—	—	-0.018	2.4581	-398.5256	-2.4581	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 07:59
—	2/2	—	—	—	-0.024	1.8188	-126.0004	-1.8188	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:01
2	2	Sample	crl		0.223	31.2762	660.1214	1.4617	0.0080	3.61	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:06
—	1/2	—	—	—	0.217	30.5964	604.3698	0.9379	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:03
—	2/2	—	—	—	0.228	31.9561	715.8730	1.9855	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:06
5	2	Sample	ccv		1.998	243.4858	3907.8496	-0.3248	0.0177	0.88	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:11
—	1/2	—	—	—	1.985	241.9921	3963.6553	0.7425	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:08
—	2/2	—	—	—	2.010	244.9796	3852.0442	-1.3921	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:11
1	2	Sample	ccb		-0.010	3.4535	-105.3600	-2.2579	0.0103	-102.06	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:15
—	1/2	—	—	—	-0.017	2.5810	-75.4354	-1.5595	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:13
—	2/2	—	—	—	-0.003	4.3261	-135.2845	-2.9563	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:15

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f02so-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	1000852-blk1		0.029	8.1289	226.1880	1.4764	0.0156	53.88	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:20
—	1/2	—	—	—	0.018	6.8082	117.7779	1.2471	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:18
—	2/2	—	—	—	0.040	9.4496	334.5982	1.7056	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:22
12	2	Sample	1000852-bs1		2.011	244.9899	3988.5645	0.2997	0.0340	1.69	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:25
—	1/2	—	—	—	1.986	242.1169	3844.3140	-0.7437	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:23
—	2/2	—	—	—	2.035	247.8628	4132.8149	1.3431	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:25
13	2	Sample	1001326-01		0.049	10.5732	373.6614	3.7451	0.0014	2.77	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:30
—	1/2	—	—	—	0.048	10.4575	441.7414	5.5404	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:28
—	2/2	—	—	—	0.050	10.6889	305.5815	1.9499	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:30
14	2	Sample	1000852-ms1		2.118	257.8631	4053.1533	-1.6042	0.0293	1.38	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:35
—	1/2	—	—	—	2.097	255.3858	4004.5134	-2.3117	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:33
—	2/2	—	—	—	2.139	260.3406	4101.7930	-0.8966	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:35
15	2	Sample	1000852-msd1		2.189	266.3498	4259.9751	-1.3185	0.0426	1.94	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:40
—	1/2	—	—	—	2.159	262.7527	4110.7710	-2.0892	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:37
—	2/2	—	—	—	2.219	269.9468	4409.1792	-0.5479	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:40
16	2	Sample	1000854-blk1		-0.001	4.4968	56.5962	0.7101	0.0222	-1597.95	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:45
—	1/2	—	—	—	-0.017	2.6235	-145.2096	-1.7965	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:42
—	2/2	—	—	—	0.014	6.3702	258.4021	3.2167	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:45
17	2	Sample	1000854-bs1		2.053	250.0524	4240.7705	1.9825	0.0134	0.65	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:49
—	1/2	—	—	—	2.062	251.1850	4152.4863	1.4113	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:47
—	2/2	—	—	—	2.043	248.9198	4329.0547	2.5536	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:49
18	2	Sample	1001360-01		-0.008	3.6565	-187.7427	-2.4801	0.0049	-57.73	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:54
—	1/2	—	—	—	-0.012	3.2459	-302.9739	-3.2459	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:52
—	2/2	—	—	—	-0.005	4.0671	-72.5115	-1.7144	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:54
19	2	Sample	1000853-blk1		-0.009	3.5423	-108.5417	-0.9994	0.0133	-141.93	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:59
—	1/2	—	—	—	-0.019	2.4180	13.1277	0.3828	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:57
—	2/2	—	—	—	0.000	4.6666	-226.2110	-2.3815	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 08:59
20	2	Sample	1000853-bs1		2.039	248.3740	4113.5420	-0.0131	0.0136	0.67	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:04
—	1/2	—	—	—	2.048	249.5293	4260.2290	1.3426	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:02
—	2/2	—	—	—	2.029	247.2188	3966.8552	-1.3687	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:04
5	2	Sample	ccv		1.992	242.8132	3932.2991	-0.6289	0.0081	0.41	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:09
—	1/2	—	—	—	1.987	242.1286	3795.2095	-1.4400	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:07
—	2/2	—	—	—	1.998	243.4978	4069.3887	0.1822	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:09

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f02so-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		-0.014	2.9487	-66.1583	-0.7086	0.0049	-34.51	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:14
—	1/2	—	—	—	-0.018	2.5304	-117.8504	-1.4863	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:13
—	2/2	—	—	—	-0.011	3.3670	-14.4661	0.0690	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:16
21	2	Sample	1001350-01		4.388	529.2402	8615.9336	-0.5552	0.0545	1.24	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:19
—	1/2	—	—	—	4.427	533.8516	8844.8691	0.0126	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:16
—	2/2	—	—	—	4.350	524.6288	8386.9980	-1.1229	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:19
22	2	Sample	1001350-02		1.474	180.8210	3040.1174	0.3827	0.0065	0.44	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:24
—	1/2	—	—	—	1.469	180.2745	2873.9038	-1.8254	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:21
—	2/2	—	—	—	1.478	181.3674	3206.3308	2.5908	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:24
23	2	Sample	1001350-03		1.748	213.6447	3403.0015	-2.3078	0.0062	0.35	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:28
—	1/2	—	—	—	1.753	214.1666	3375.4529	-1.4469	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:26
—	2/2	—	—	—	1.744	213.1229	3430.5498	-3.1687	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:28
24	2	Sample	1001350-04		1.296	159.5207	2414.4019	-5.0199	0.0167	1.29	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:33
—	1/2	—	—	—	1.307	160.9351	2308.4954	-9.4735	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:31
—	2/2	—	—	—	1.284	158.1063	2520.3083	-0.5662	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:33
25	2	Sample	1001350-05		1.139	140.8220	2125.9778	-2.1534	0.0354	3.10	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:38
—	1/2	—	—	—	1.164	143.8105	2372.9546	-0.4780	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:36
—	2/2	—	—	—	1.114	137.8335	1879.0010	-3.8289	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:38
26	2	Sample	1001350-06		0.112	18.0714	377.1147	0.8222	0.0416	37.05	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:43
—	1/2	—	—	—	0.083	14.5581	296.6512	1.6884	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:41
—	2/2	—	—	—	0.142	21.5846	457.5783	-0.0441	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:43
27	2	Sample	1001350-07		0.207	29.3828	523.6403	1.7345	0.0249	12.06	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:48
—	1/2	—	—	—	0.189	27.2749	486.5146	2.3461	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:46
—	2/2	—	—	—	0.224	31.4906	560.7659	1.1229	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:48
28	2	Sample	1001350-08		0.025	7.6890	95.6167	0.9782	0.0423	167.27	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:53
—	1/2	—	—	—	-0.005	4.1095	-159.5013	0.6967	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:51
—	2/2	—	—	—	0.055	11.2684	350.7348	1.2597	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:53
29	2	Sample	1001350-09		0.118	18.7100	221.7761	-0.3891	0.0379	32.25	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:58
—	1/2	—	—	—	0.091	15.5065	-42.6167	-3.2828	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:56
—	2/2	—	—	—	0.144	21.9135	486.1689	2.5047	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 09:58
30	2	Sample	1001350-10		7.272	873.8765	14118.5371	-6.0887	0.0606	0.83	1.00	Extrapolated		D	TriMatrix Mercury	02 Feb 2010 10:03
—	1/2	—	—	—	7.229	868.7562	14133.3525	-10.2031	—	—	1.00	Extrapolated		D	TriMatrix Mercury	02 Feb 2010 10:01
—	2/2	—	—	—	7.314	878.9968	14103.7227	-1.9744	—	—	1.00	Extrapolated		D	TriMatrix Mercury	02 Feb 2010 10:03

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f02so-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		1.502	184.1575	2648.9609	0.0583	0.6594	43.91	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:08
—	1/2	—	—	—	1.968	239.8903	3806.1765	-1.2419	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:05
—	2/2	—	—	—	1.035 (10% out)	128.4247	1491.7455	1.3545	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:08
1	2	Sample	ccb		0.001	4.7646	77.7542	-0.1463	0.0075	884.24	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:13
—	1/2	—	—	—	0.006	5.4025	194.6888	1.8851	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:10
—	2/2	—	—	—	-0.004	4.1267	-39.1804	-2.1777	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:13
5	2	Sample	ccv		1.955	238.3165	3894.9639	-2.1633	0.0083	0.43	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:18
—	1/2	—	—	—	1.961	239.0237	3769.3679	-5.4598	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:15
—	2/2	—	—	—	1.949	237.6093	4020.5598	1.1332	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:18
31	2	Sample	1001350-11		0.170	25.0431	352.4348	0.6027	0.0651	38.17	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:23
—	1/2	—	—	—	0.217	30.5444	644.4456	2.6817	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:20
—	2/2	—	—	—	0.124	19.5418	60.4239	-1.4762	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:23
32	2	Sample	1001350-12		0.026	7.7459	196.7020	1.0079	0.0599	232.35	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:28
—	1/2	—	—	—	0.068	12.8118	433.1435	2.2186	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:25
—	2/2	—	—	—	-0.017	2.6801	-39.7396	-0.2028	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:28
33	2	Sample	1001350-13		0.102	16.8001	256.3259	-0.5279	0.0330	32.54	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:33
—	1/2	—	—	—	0.078	14.0071	92.1463	-1.8052	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:30
—	2/2	—	—	—	0.125	19.5931	420.5055	0.7495	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:33
34	2	Sample	1001350-14		0.122	19.2126	184.9877	-3.0861	0.0052	4.30	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:38
—	1/2	—	—	—	0.118	18.7700	116.2481	-6.5034	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:35
—	2/2	—	—	—	0.125	19.6552	253.7273	0.3312	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:38
35	2	Sample	1001350-15		0.038	9.2360	106.1579	0.9922	0.0308	80.42	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:43
—	1/2	—	—	—	0.017	6.6352	113.7150	1.4365	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:40
—	2/2	—	—	—	0.060	11.8367	98.6007	0.5479	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:43
39	2	Sample	1000855-blk1		0.016	6.5723	76.4174	-1.4176	0.0363	227.38	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:51
—	1/2	—	—	—	0.042	9.6429	300.0266	0.6666	—	—	1.00	Over Range		D	TriMatrix Mercury	02 Feb 2010 10:50
—	2/2	—	—	—	-0.010	3.5018	-147.1918	-3.5018	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:51
40	2	Sample	1000855-bs1		1.136	140.4039	-2784.8154	-45.6451	0.5623	49.52	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:54
—	1/2	—	—	—	1.533	187.9343	2696.0603	-1.6105	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:52
—	2/2	—	—	—	0.738	92.8734	-8265.6914	-89.6797	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:54
5	2	Sample	ccv		2.070	252.1252	4129.4165	1.4500	0.0382	1.84	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:59
—	1/2	—	—	—	2.097	255.3527	4354.3726	2.9564	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:56
—	2/2	—	—	—	2.043	248.8978	3904.4607	-0.0564	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 10:59

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f02so-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		0.008	5.6097	95.1528	-1.4523	0.0347	437.62	1.00	—		D	TriMatrix Mercury	02 Feb 2010 11:04
—	1/2	—	—	—	-0.017	2.6791	72.1566	0.4446	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 11:01
—	2/2	—	—	—	0.032	8.5404	118.1490	-3.3493	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 11:04
41	2	Sample	1001382-01		1.788	218.3432	3423.5027	-5.0400	0.0295	1.65	1.00	—		D	TriMatrix Mercury	02 Feb 2010 11:09
—	1/2	—	—	—	1.808	220.8353	3448.1721	-8.0121	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 11:06
—	2/2	—	—	—	1.767	215.8510	3398.8330	-2.0678	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 11:09
42	2	Sample	1001382-02		1.769	216.1541	3495.8433	-2.2811	0.0222	1.26	1.00	—		D	TriMatrix Mercury	02 Feb 2010 11:14
—	1/2	—	—	—	1.785	218.0312	3573.1433	-1.8328	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 11:11
—	2/2	—	—	—	1.754	214.2771	3418.5432	-2.7294	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 11:14
44	2	Sample	1001382-04		3.774	455.7301	7928.6431	-1.4083	0.5898	15.63	1.00	—		D	TriMatrix Mercury	02 Feb 2010 11:27
—	1/2	—	—	—	4.191	505.5831	9483.1797	1.5355	—	—	1.00	Over Range		D	TriMatrix Mercury	02 Feb 2010 11:24
—	2/2	—	—	—	3.356	405.8771	6374.1064	-4.3521	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 11:27
39	2	Sample	1000855-blk1		-0.012	3.1927	-15.9238	0.3089	0.0050	-40.96	1.00	—		D	TriMatrix Mercury	02 Feb 2010 11:37
—	1/2	—	—	—	-0.009	3.6184	-126.7632	-1.2085	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 11:34
—	2/2	—	—	—	-0.016	2.7671	94.9155	1.8264	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 11:37
40	2	Sample	1000855-bs1		1.888	230.3223	3640.4551	-0.9122	0.0106	0.56	1.00	—		D	TriMatrix Mercury	02 Feb 2010 11:42
—	1/2	—	—	—	1.880	229.4278	3603.9490	-1.6567	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 11:39
—	2/2	—	—	—	1.895	231.2168	3676.9609	0.0324	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 11:42
44	2	Sample	1001382-04		3.338	403.4093	6827.9863	1.8141	0.0148	0.44	1.00	—		D	TriMatrix Mercury	02 Feb 2010 11:47
—	1/2	—	—	—	3.346	404.6638	7022.9634	2.2831	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 11:44
—	2/2	—	—	—	3.325	402.1549	6633.0093	1.3451	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 11:47
5	2	Sample	ccv		1.951	237.9091	3829.2585	-1.7671	0.0947	4.86	1.00	—		D	TriMatrix Mercury	02 Feb 2010 11:52
—	1/2	—	—	—	1.884	229.9007	3746.7163	-2.5980	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 11:49
—	2/2	—	—	—	2.018	245.9175	3911.8008	-0.9361	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 11:52
1	2	Sample	ccb		-0.006	3.9885	-171.2929	-0.2288	0.0023	-41.48	1.00	—		D	TriMatrix Mercury	02 Feb 2010 11:57
—	1/2	—	—	—	-0.004	4.1861	-146.2511	-1.7646	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 11:54
—	2/2	—	—	—	-0.007	3.7908	-196.3347	1.3071	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 11:57
45	2	Sample	1001382-05		7.566	909.0197	15089.5459	-4.4089	0.0874	1.16	1.00	Extrapolated		D	TriMatrix Mercury	02 Feb 2010 12:06
—	1/2	—	—	—	7.627	916.4078	15333.0850	-1.1549	—	—	1.00	Extrapolated		D	TriMatrix Mercury	02 Feb 2010 12:04
—	2/2	—	—	—	7.504	901.6315	14846.0068	-7.6629	—	—	1.00	Extrapolated		D	TriMatrix Mercury	02 Feb 2010 12:08
46	2	Sample	1001382-06		1.720	210.2538	3181.9766	-1.4019	0.0730	4.24	1.00	—		D	TriMatrix Mercury	02 Feb 2010 12:11
—	1/2	—	—	—	1.668	204.0858	2883.4683	-4.2838	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 12:09
—	2/2	—	—	—	1.772	216.4214	3480.4851	1.4799	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 12:11

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f02so-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
47	2	Sample	1000855-ms1		3.444	416.3952	6536.6675	-1.8917	0.0562	1.63	1.00	—		D	TriMatrix Mercury	02 Feb 2010 12:16
—	1/2	—	—	—	3.484	421.1433	6880.4561	1.2059	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 12:14
—	2/2	—	—	—	3.405	411.6472	6192.8784	-4.9893	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 12:18
48	2	Sample	1000855-msd1		3.796	458.4763	7215.6440	-3.5393	0.0433	1.14	1.00	—		D	TriMatrix Mercury	02 Feb 2010 12:21
—	1/2	—	—	—	3.827	462.1346	7452.8398	-0.3434	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 12:19
—	2/2	—	—	—	3.766	454.8181	6978.4482	-6.7352	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 12:21
49	2	Sample	1001382-07		1.658	202.8758	3203.8315	-0.5028	0.1094	6.60	1.00	—		D	TriMatrix Mercury	02 Feb 2010 12:27
—	1/2	—	—	—	1.581	193.6266	2856.6609	-1.8679	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 12:24
—	2/2	—	—	—	1.736	212.1249	3551.0024	0.8623	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 12:27
50	2	Sample	1001382-08		1.522	186.5968	2863.6499	-0.9216	0.0179	1.17	1.00	—		D	TriMatrix Mercury	02 Feb 2010 12:32
—	1/2	—	—	—	1.509	185.0857	2706.6638	-2.7992	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 12:29
—	2/2	—	—	—	1.535	188.1079	3020.6360	0.9560	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 12:32
51	2	Sample	1001382-09		6.468	777.7860	12535.8213	-5.2614	0.0513	0.79	1.00	Extrapolated		D	TriMatrix Mercury	02 Feb 2010 12:37
—	1/2	—	—	—	6.504	782.1278	12706.4697	-2.3533	—	—	1.00	Extrapolated		D	TriMatrix Mercury	02 Feb 2010 12:34
—	2/2	—	—	—	6.431	773.4444	12365.1729	-8.1696	—	—	1.00	Extrapolated		D	TriMatrix Mercury	02 Feb 2010 12:37
52	2	Sample	1000856-blk1		-0.014	3.0032	-224.9198	-2.0923	0.0137	-98.51	1.00	—		D	TriMatrix Mercury	02 Feb 2010 12:42
—	1/2	—	—	—	-0.004	4.1591	-198.9020	-2.3373	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 12:39
—	2/2	—	—	—	-0.024	1.8474	-250.9376	-1.8474	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 12:42
53	2	Sample	1000856-bs1		2.012	245.1093	3947.4312	0.6070	0.0650	3.23	1.00	—		D	TriMatrix Mercury	02 Feb 2010 12:47
—	1/2	—	—	—	2.057	250.6031	4128.2319	1.0522	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 12:44
—	2/2	—	—	—	1.966	239.6155	3766.6301	0.1619	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 12:47
54	2	Sample	1001373-01		0.016	6.6322	-7.4046	-1.7962	0.0010	5.80	1.00	—		D	TriMatrix Mercury	02 Feb 2010 12:52
—	1/2	—	—	—	0.017	6.7130	34.3237	-1.4946	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 12:49
—	2/2	—	—	—	0.016	6.5514	-49.1328	-2.0978	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 12:52
5	2	Sample	ccv		1.794	219.1648	3587.2014	0.4970	0.1069	5.96	1.00	—		D	TriMatrix Mercury	02 Feb 2010 12:57
—	1/2	—	—	—	1.870	228.1981	3863.8298	1.0343	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 12:54
—	2/2	—	—	—	1.719	210.1314	3310.5728	-0.0403	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 12:57
1	2	Sample	ccb		-0.001	4.5657	-7.7787	0.5577	0.0350	-4320.72	1.00	—		D	TriMatrix Mercury	02 Feb 2010 13:02
—	1/2	—	—	—	-0.026	1.6057	-106.0818	1.8659	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 12:59
—	2/2	—	—	—	0.024	7.5256	90.5243	-0.7506	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 13:02
55	2	Sample	1001350-10 5x		1.481	181.6697	2861.9900	0.2551	0.0895	6.04	1.00	—		D	TriMatrix Mercury	02 Feb 2010 13:09
—	1/2	—	—	—	1.544	189.2358	3018.3203	-0.9773	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 13:07
—	2/2	—	—	—	1.417	174.1037	2705.6599	1.4875	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 13:09

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f02so-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
56	2	Sample	1001350-16 100x		0.138	21.1895	371.5671	-0.4273	0.0222	16.05	1.00	—		D	TriMatrix Mercury	02 Feb 2010 13:15
—	1/2	—	—	—	0.123	19.3142	295.9748	-0.5715	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 13:12
—	2/2	—	—	—	0.154	23.0647	447.1595	-0.2832	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 13:14
57	2	Sample	1001382-03 100x		5.826	701.1030	11518.0039	-0.6155	0.0682	1.17	1.00	Extrapolated		D	TriMatrix Mercury	02 Feb 2010 13:19
—	1/2	—	—	—	5.874	706.8690	11666.4912	-0.0582	—	—	1.00	Extrapolated		D	TriMatrix Mercury	02 Feb 2010 13:17
—	2/2	—	—	—	5.778	695.3370	11369.5176	-1.1727	—	—	1.00	Extrapolated		D	TriMatrix Mercury	02 Feb 2010 13:19
58	2	Sample	1001382-05 5x		1.542	189.0168	2784.7173	-2.5748	0.0463	3.00	1.00	—		D	TriMatrix Mercury	02 Feb 2010 13:24
—	1/2	—	—	—	1.575	192.9300	2786.0193	-2.9585	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 13:22
—	2/2	—	—	—	1.510	185.1035	2783.4155	-2.1911	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 13:24
59	2	Sample	1001382-09 5x		1.289	158.7230	2519.6172	0.4653	0.0317	2.46	1.00	—		D	TriMatrix Mercury	02 Feb 2010 13:29
—	1/2	—	—	—	1.311	161.4064	2595.5723	0.8805	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 13:27
—	2/2	—	—	—	1.266	156.0396	2443.6621	0.0501	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 13:29
60	2	Sample	1001350-16 10x		1.261	155.4381	2581.5237	1.9928	0.0084	0.67	1.00	—		D	TriMatrix Mercury	02 Feb 2010 13:35
—	1/2	—	—	—	1.267	156.1503	2462.6343	0.5470	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 13:32
—	2/2	—	—	—	1.255	154.7259	2700.4133	3.4387	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 13:35
61	2	Sample	1001382-03 200x		2.633	319.4165	5165.0952	-3.4036	0.0445	1.69	1.00	—		D	TriMatrix Mercury	02 Feb 2010 13:40
—	1/2	—	—	—	2.665	323.1764	5153.1631	-6.5317	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 13:37
—	2/2	—	—	—	2.602	315.6566	5177.0273	-0.2755	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 13:40
5	2	Sample	ccv		2.020	246.0770	3913.6362	-2.5683	0.0044	0.22	1.00	—		D	TriMatrix Mercury	02 Feb 2010 13:45
—	1/2	—	—	—	2.018	245.7036	3772.7029	-5.2088	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 13:42
—	2/2	—	—	—	2.023	246.4503	4054.5698	0.0721	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 13:45
1	2	Sample	ccb		-0.009	3.5846	-130.4205	-1.0530	0.0159	-176.61	1.00	—		D	TriMatrix Mercury	02 Feb 2010 13:50
—	1/2	—	—	—	-0.020	2.2384	-134.6999	-0.1259	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 13:47
—	2/2	—	—	—	0.002	4.9308	-126.1412	-1.9801	—	—	1.00	—		D	TriMatrix Mercury	02 Feb 2010 13:50

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: PM012510

USEPA-3550B

: 00896

SAMPLE ID SUMMARY

USEPA-3550B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-SO-56394-CB-012510-129	1001350-01
S-SO-56394-CB-012510-133	1001350-02
S-SO-56394-CB-012510-137	1001350-03
S-SO-56394-CB-012510-144	1001350-04
S-SO-56394-DR-012510-1069	1001350-05
S-SO-56394-DR-012510-1059	1001350-06
S-SO-56394-CB-012510-143	1001350-07
S-SO-56394-DR-012510-1063	1001350-08
S-SO-56394-CB-012610-153	1001350-09
S-SO-56394-CB-012610-158	1001350-10
S-SO-56394-CB-012610-160	1001350-11
S-SO-56394-CB-012610-165	1001350-12
S-SO-56394-DR-012610-1078	1001350-13
SD-SO-56394-DR-012610-1078	1001350-14
S-SO-56394-DR-012610-1075	1001350-15
S-SO-56394-CB-012610-166	1001350-16
S-SO-56394-CB-012710-168	1001382-01
SD-SO-56394-CB-012710-168	1001382-02
S-SO-56394-CB-012710-177	1001382-03
S-SO-56394-CB-012710-180	1001382-04
S-SO-56394-CB-012710-182	1001382-05
S-SO-56394-CB-012710-183	1001382-06
S-SO-56394-CB-012810-189	1001382-07
SD-SO-56394-CB-012810-189	1001382-08
S-SO-56394-CB-012810-190	1001382-09

: 00897

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-012510-129

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 09:55
Solids: 86.07
Laboratory ID: 1001350-01

SDG: PM012510
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/27/10 02:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000732

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	86	%	1	0.1	0.1		01/27/10 14:00

: 00898

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-012510-133

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 11:25
Solids: 85.09
Laboratory ID: 1001350-02

SDG: PM012510
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/27/10 02:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000732

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	85	%	1	0.1	0.1		01/27/10 14:00

00899

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-012510-137

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 12:55
Solids: 93.43
Laboratory ID: 1001350-03

SDG: PM012510
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/27/10 02:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000732

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	93	%	1	0.1	0.1		01/27/10 14:00

: 00900

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-012510-144

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 15:50
Solids: 89.23
Laboratory ID: 1001350-04

SDG: PM012510
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/27/10 02:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000732

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	89	%	1	0.1	0.1		01/27/10 14:00

: 00901

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-DR-012510-1069

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 14:40
Solids: 87.99
Laboratory ID: 1001350-05

SDG: PM012510
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/27/10 02:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000732

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	88	%	1	0.1	0.1		01/27/10 14:00

: 00902

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-DR-012510-1059

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 09:25
Solids: 96.12
Laboratory ID: 1001350-06

SDG: PM012510
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/27/10 02:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000732

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	96	%	1	0.1	0.1		01/27/10 14:00

: 00903

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-012510-143

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 13:05
Solids: 92.69
Laboratory ID: 1001350-07

SDG: PM012510
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/27/10 02:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000732

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	93	%	1	0.1	0.1		01/27/10 14:00

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-DR-012510-1063

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 11:25
Solids: 94.79
Laboratory ID: 1001350-08

SDG: PM012510
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/27/10 02:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000732

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	95	%	1	0.1	0.1		01/27/10 14:00

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-012610-153

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 10:20
Solids: 93.33
Laboratory ID: 1001350-09

SDG: PM012510
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/27/10 02:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000732

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	93	%	1	0.1	0.1		01/27/10 14:00

00906

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-012610-158

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 12:50
Solids: 89.12
Laboratory ID: 1001350-10

SDG: PM012510
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/27/10 02:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000732

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	89	%	1	0.1	0.1		01/27/10 14:00

00907

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-012610-160

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 13:45
Solids: 89.48
Laboratory ID: 1001350-11

SDG: PM012510
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/27/10 02:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000732

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	89	%	1	0.1	0.1		01/27/10 14:00

00908

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-012610-165

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 15:20
Solids: 94.94
Laboratory ID: 1001350-12

SDG: PM012510
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/27/10 02:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000732

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	95	%	1	0.1	0.1		01/27/10 14:00

: 00909

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-DR-012610-1078

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 11:35
Solids: 76.18
Laboratory ID: 1001350-13

SDG: PM012510
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/27/10 02:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000732

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	76	%	1	0.1	0.1		01/27/10 14:00

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

SD-SO-56394-DR-012610-1078

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 11:35
Solids: 75.13
Laboratory ID: 1001350-14

SDG: PM012510
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/27/10 02:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000732

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	75	%	1	0.1	0.1		01/27/10 14:00

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-DR-012610-1075

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 09:25
Solids: 96.00
Laboratory ID: 1001350-15

SDG: PM012510
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/27/10 02:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000732

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	96	%	1	0.1	0.1		01/27/10 14:00

00912

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-012610-166

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 16:10
Solids: 92.05
Laboratory ID: 1001350-16

SDG: PM012510
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/27/10 02:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000732

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	92	%	1	0.1	0.1		01/27/10 14:00

: 00913

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-012710-168

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 09:00
Solids: 88.49
Laboratory ID: 1001382-01

SDG: PM012510
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/29/10 09:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000798

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	88	%	1	0.1	0.1		01/29/10 09:00

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

SD-SO-56394-CB-012710-168

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 09:00
Solids: 88.06
Laboratory ID: 1001382-02

SDG: PM012510
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/29/10 09:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000798

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	88	%	1	0.1	0.1		01/29/10 09:00

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-012710-177

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 11:35
Solids: 85.97
Laboratory ID: 1001382-03

SDG: PM012510
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/29/10 09:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000798

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	86	%	1	0.1	0.1		01/29/10 09:00

: 00916

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-012710-180

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 13:50
Solids: 86.74
Laboratory ID: 1001382-04

SDG: PM012510
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/29/10 09:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000798

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	87	%	1	0.1	0.1		01/29/10 09:00

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-012710-182

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 14:50
Solids: 87.54
Laboratory ID: 1001382-05

SDG: PM012510
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/29/10 09:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000798

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	88	%	1	0.1	0.1		01/29/10 09:00

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-012710-183

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 15:20
Solids: 92.32
Laboratory ID: 1001382-06

SDG: PM012510
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/29/10 09:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000798

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	92	%	1	0.1	0.1		01/29/10 09:00

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-012810-189

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/28/10 09:15
Solids: 94.86
Laboratory ID: 1001382-07

SDG: PM012510
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/29/10 09:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000798

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	95	%	1	0.1	0.1		01/29/10 09:00

00920

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

SD-SO-56394-CB-012810-189

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/28/10 09:15
Solids: 94.96
Laboratory ID: 1001382-08

SDG: PM012510
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/29/10 09:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000798

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	95	%	1	0.1	0.1		01/29/10 09:00

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-012810-190

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/28/10 10:05
Solids: 89.70
Laboratory ID: 1001382-09

SDG: PM012510
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/29/10 09:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000798

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	90	%	1	0.1	0.1		01/29/10 09:00

: 00922

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-3550B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A27041

SDG: PM012510
Project: Plainwell Mill
Instrument: 210
Calibration: UNASSIGNED

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	1000732-BLK1		01/27/10 14:00
S-SO-56394-CB-012510-129	1001350-01		01/27/10 14:00
S-SO-56394-CB-012510-133	1001350-02		01/27/10 14:00
S-SO-56394-CB-012510-137	1001350-03		01/27/10 14:00
S-SO-56394-CB-012510-144	1001350-04		01/27/10 14:00
S-SO-56394-DR-012510-1069	1001350-05		01/27/10 14:00
S-SO-56394-DR-012510-1059	1001350-06		01/27/10 14:00
S-SO-56394-CB-012510-143	1001350-07		01/27/10 14:00
S-SO-56394-DR-012510-1063	1001350-08		01/27/10 14:00
S-SO-56394-DR-012510-1063	1000732-DUP1		01/27/10 14:00
S-SO-56394-CB-012610-153	1001350-09		01/27/10 14:00
S-SO-56394-CB-012610-158	1001350-10		01/27/10 14:00
S-SO-56394-CB-012610-160	1001350-11		01/27/10 14:00
S-SO-56394-CB-012610-165	1001350-12		01/27/10 14:00
S-SO-56394-DR-012610-1078	1001350-13		01/27/10 14:00
SD-SO-56394-DR-012610-1078	1001350-14		01/27/10 14:00
S-SO-56394-DR-012610-1075	1001350-15		01/27/10 14:00
S-SO-56394-CB-012610-166	1001350-16		01/27/10 14:00

00923

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-3550B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A29003

SDG: PM012510
Project: Plainwell Mill
Instrument: 210
Calibration: UNASSIGNED

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	1000798-BLK1		01/29/10 09:00
S-SO-56394-CB-012710-168	1001382-01		01/29/10 09:00
SD-SO-56394-CB-012710-168	1001382-02		01/29/10 09:00
S-SO-56394-CB-012710-177	1001382-03		01/29/10 09:00
S-SO-56394-CB-012710-180	1001382-04		01/29/10 09:00
S-SO-56394-CB-012710-182	1001382-05		01/29/10 09:00
S-SO-56394-CB-012710-183	1001382-06		01/29/10 09:00
S-SO-56394-CB-012710-183	1000798-DUP1		01/29/10 09:00
S-SO-56394-CB-012810-189	1001382-07		01/29/10 09:00
SD-SO-56394-CB-012810-189	1001382-08		01/29/10 09:00
S-SO-56394-CB-012810-190	1001382-09		01/29/10 09:00

00924

QC BATCH SUMMARY
USEPA-3550B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1000732
QC Batch Matrix: Soil
Preparation: General Inorganic Prep

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000732-BLK1	01/27/10 02:00	
S-SO-56394-DR-012510-1063	1000732-DUP1	01/27/10 02:00	
S-SO-56394-CB-012510-129	1001350-01	01/27/10 02:00	
S-SO-56394-CB-012510-133	1001350-02	01/27/10 02:00	
S-SO-56394-CB-012510-137	1001350-03	01/27/10 02:00	
S-SO-56394-CB-012510-144	1001350-04	01/27/10 02:00	
S-SO-56394-DR-012510-1069	1001350-05	01/27/10 02:00	
S-SO-56394-DR-012510-1059	1001350-06	01/27/10 02:00	
S-SO-56394-CB-012510-143	1001350-07	01/27/10 02:00	
S-SO-56394-DR-012510-1063	1001350-08	01/27/10 02:00	
S-SO-56394-CB-012610-153	1001350-09	01/27/10 02:00	
S-SO-56394-CB-012610-158	1001350-10	01/27/10 02:00	
S-SO-56394-CB-012610-160	1001350-11	01/27/10 02:00	
S-SO-56394-CB-012610-165	1001350-12	01/27/10 02:00	
S-SO-56394-DR-012610-1078	1001350-13	01/27/10 02:00	
SD-SO-56394-DR-012610-1078	1001350-14	01/27/10 02:00	
S-SO-56394-DR-012610-1075	1001350-15	01/27/10 02:00	
S-SO-56394-CB-012610-166	1001350-16	01/27/10 02:00	

: 00925

QC BATCH SUMMARY
USEPA-3550B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1000798
QC Batch Matrix: Soil
Preparation: General Inorganic Prep

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000798-BLK1	01/29/10 09:00	
S-SO-56394-CB-012710-183	1000798-DUP1	01/29/10 09:00	
S-SO-56394-CB-012710-168	1001382-01	01/29/10 09:00	
SD-SO-56394-CB-012710-168	1001382-02	01/29/10 09:00	
S-SO-56394-CB-012710-177	1001382-03	01/29/10 09:00	
S-SO-56394-CB-012710-180	1001382-04	01/29/10 09:00	
S-SO-56394-CB-012710-182	1001382-05	01/29/10 09:00	
S-SO-56394-CB-012710-183	1001382-06	01/29/10 09:00	
S-SO-56394-CB-012810-189	1001382-07	01/29/10 09:00	
SD-SO-56394-CB-012810-189	1001382-08	01/29/10 09:00	
S-SO-56394-CB-012810-190	1001382-09	01/29/10 09:00	

: 00926

METHOD BLANK DATA SHEET
USEPA-3550B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000732-BLK1
File ID:
Prepared: 01/27/10 02:00
Preparation: General Inorganic Prep
Initial/Final: 10 g / 10 mL
Analyzed: 01/27/10 14:00
Instrument: 210
QC Batch: 1000732
Sequence: 0A27041
Calibration: UNASSIGNED

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
	Percent Solids	0.1	0.1	0.1	%	U

: 00927

METHOD BLANK DATA SHEET
USEPA-3550B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000798-BLK1
File ID:
Prepared: 01/29/10 09:00
Preparation: General Inorganic Prep
Initial/Final: 10 g / 10 mL
Analyzed: 01/29/10 09:00
Instrument: 210
QC Batch: 1000798
Sequence: 0A29003
Calibration: UNASSIGNED

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
	Percent Solids	0.1	0.1	0.1	%	U

DUPLICATES
USEPA-3550B

S-SO-56394-DR-012510-1063

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
QC Batch: 1000732
Preparation: General Inorganic Prep
Source Sample Name: S-SO-56394-DR-012510-1063

SDG: PM012510
Project: Plainwell Mill
Laboratory ID: 1000732-DUP1
Lab Source ID: 1001350-08
Initial/Final: 10 g / 10 mL
% Solids: 94.79

Analyte	Control Limit	Sample Conc.	C	Dup. Conc.	C	RPD %	Q	Method	Units
Percent Solids	20	95		95		0.03		USEPA-3550B	%

* Values outside of QC limits

00929

DUPLICATES
USEPA-3550B

S-SO-56394-CB-012710-183

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
QC Batch: 1000798
Preparation: General Inorganic Prep
Source Sample Name: S-SO-56394-CB-012710-183

SDG: PM012510
Project: Plainwell Mill
Laboratory ID: 1000798-DUP1
Lab Source ID: 1001382-06
Initial/Final: 10 g / 10 mL
% Solids: 92.32

Analyte	Control Limit	Sample Conc.	C	Dup. Conc.	C	RPD %	Q	Method	Units
Percent Solids	20	92		93		0.8		USEPA-3550B	%

* Values outside of QC limits

HOLDING TIME SUMMARY
USEPA-3550B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510

Client: SulTRAC

Project: Plainwell Mill

Analyte: Percent Solids

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	01/26/10		01/27/10	2	NA	01/27/10	2	14	
S-SO-56394-CB-012510-133	01/25/10	01/26/10		01/27/10	2	NA	01/27/10	2	14	
S-SO-56394-CB-012510-137	01/25/10	01/26/10		01/27/10	2	NA	01/27/10	2	14	
S-SO-56394-CB-012510-144	01/25/10	01/26/10		01/27/10	1	NA	01/27/10	2	14	
S-SO-56394-DR-012510-1069	01/25/10	01/26/10		01/27/10	1	NA	01/27/10	2	14	
S-SO-56394-DR-012510-1059	01/25/10	01/26/10		01/27/10	2	NA	01/27/10	2	14	
S-SO-56394-CB-012510-143	01/25/10	01/26/10		01/27/10	2	NA	01/27/10	2	14	
S-SO-56394-DR-012510-1063	01/25/10	01/26/10		01/27/10	2	NA	01/27/10	2	14	
S-SO-56394-CB-012610-153	01/26/10	01/26/10		01/27/10	1	NA	01/27/10	1	14	
S-SO-56394-CB-012610-158	01/26/10	01/26/10		01/27/10	1	NA	01/27/10	1	14	
S-SO-56394-CB-012610-160	01/26/10	01/26/10		01/27/10	1	NA	01/27/10	1	14	
S-SO-56394-CB-012610-165	01/26/10	01/26/10		01/27/10	0	NA	01/27/10	1	14	
S-SO-56394-DR-012610-1078	01/26/10	01/26/10		01/27/10	1	NA	01/27/10	1	14	
SD-SO-56394-DR-012610-1078	01/26/10	01/26/10		01/27/10	1	NA	01/27/10	1	14	
S-SO-56394-DR-012610-1075	01/26/10	01/26/10		01/27/10	1	NA	01/27/10	1	14	
S-SO-56394-CB-012610-166	01/26/10	01/26/10		01/27/10	0	NA	01/27/10	1	14	
S-SO-56394-CB-012710-168	01/27/10	01/28/10		01/29/10	2	NA	01/29/10	2	14	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10		01/29/10	2	NA	01/29/10	2	14	
S-SO-56394-CB-012710-177	01/27/10	01/28/10		01/29/10	2	NA	01/29/10	2	14	
S-SO-56394-CB-012710-180	01/27/10	01/28/10		01/29/10	2	NA	01/29/10	2	14	
S-SO-56394-CB-012710-182	01/27/10	01/28/10		01/29/10	2	NA	01/29/10	2	14	
S-SO-56394-CB-012710-183	01/27/10	01/28/10		01/29/10	2	NA	01/29/10	2	14	

: 00931

HOLDING TIME SUMMARY
USEPA-3550B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510

Client: SulTRAC

Project: Plainwell Mill

Analyte: Percent Solids

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-012810-189	01/28/10	01/28/10		01/29/10	1	NA	01/29/10	1	14	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10		01/29/10	1	NA	01/29/10	1	14	
S-SO-56394-CB-012810-190	01/28/10	01/28/10		01/29/10	1	NA	01/29/10	1	14	

Inorganic - Wet Chemistry, Soil, Jan-27-10

Instrument = 210, Calibration = UNASSIGNED

Sequence Analyses:
Solids, Total 3550B (%)

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
1000732-BLK1	QC				BLANK	
1001350-01	Solids, Total 3550B (%)	A			SulTRAC	
1001350-02	Solids, Total 3550B (%)	A			SulTRAC	
1001350-03	Solids, Total 3550B (%)	A			SulTRAC	
1001350-04	Solids, Total 3550B (%)	A			SulTRAC	
1001350-05	Solids, Total 3550B (%)	A			SulTRAC	
1001350-06	Solids, Total 3550B (%)	A			SulTRAC	
1001350-07	Solids, Total 3550B (%)	A			SulTRAC	
1001350-08	Solids, Total 3550B (%)	A			SulTRAC	
1000732-DUP1	QC				DUPLICATE	
1001350-09	Solids, Total 3550B (%)	A			SulTRAC	
1001350-10	Solids, Total 3550B (%)	A			SulTRAC	
1001350-11	Solids, Total 3550B (%)	A			SulTRAC	
1001350-12	Solids, Total 3550B (%)	A			SulTRAC	
1001350-13	Solids, Total 3550B (%)	A			SulTRAC	
1001350-14	Solids, Total 3550B (%)	A			SulTRAC	
1001350-15	Solids, Total 3550B (%)	A			SulTRAC	
1001350-16	Solids, Total 3550B (%)	A			SulTRAC	

Comments:

Analyst Initials:

seq_TriMatrix.rpt

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1000732

Printed: 2/8/2010 8:09:03AM

NB 2-9-10

Inorganic - Wet Chemistry, Soil, General Inorganic Prep

(No Surrogate)

Batch Comments: (none)

2-9 LV4

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1001350	Solids, Total 3550B (%)				

Lab Number	*Contain*	*Prepared*	*By*	*Initial (g)*	*Final (mL)*	*uL Surrogate*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1000732-BLK1		Jan-27-10 02:00	MJB	10	10					BLANK	
1000732-DUP1		Jan-27-10 02:00	MJB	10	10		1001350-08			DUPLICATE	
1001350-01	A	Jan-27-10 02:00	MJB	10	10					SulTRAC	
1001350-02	A	Jan-27-10 02:00	MJB	10	10					SulTRAC	
1001350-03	A	Jan-27-10 02:00	MJB	10	10					SulTRAC	
1001350-04	A	Jan-27-10 02:00	MJB	10	10					SulTRAC	
1001350-05	A	Jan-27-10 02:00	MJB	10	10					SulTRAC	
1001350-06	A	Jan-27-10 02:00	MJB	10	10					SulTRAC	
1001350-07	A	Jan-27-10 02:00	MJB	10	10					SulTRAC	
1001350-08	A	Jan-27-10 02:00	MJB	10	10					SulTRAC	
1001350-09	A	Jan-27-10 02:00	MJB	10	10					SulTRAC	
1001350-10	A	Jan-27-10 02:00	MJB	10	10					SulTRAC	
1001350-11	A	Jan-27-10 02:00	MJB	10	10					SulTRAC	
1001350-12	A	Jan-27-10 02:00	MJB	10	10					SulTRAC	
1001350-13	A	Jan-27-10 02:00	MJB	10	10					SulTRAC	
1001350-14	A	Jan-27-10 02:00	MJB	10	10					SulTRAC	
1001350-15	A	Jan-27-10 02:00	MJB	10	10					SulTRAC	
1001350-16	A	Jan-27-10 02:00	MJB	10	10					SulTRAC	

Comments:

Analyst Initials: MB

Rerun Macro

TriMatrix Laboratories, Inc.

TOTAL PERCENT SOLIDS

BATCH INFORMATION	ANALYSIS STEPS							QUALITY CONTROL	QC BATCH AN
Sequence: 127041	Step	Start Date	Start Time	Start Temp (°C)	End Date	End Time	End Temp (°C)	Difference Between Weighings: Less than 0.0005 g	Batch Number:
Balance Number: 210									
Analysis Date: 01/27/10	Step #1	1-27-10	2:00 PM	104	1-28-10	9:30 AM	104	Blank Concentration: Less than 0.1%(w/w)	
Analyst: MJB	Step #2								
Parameter: Percent Solids	Step #3							MS/MSD Precision: <20%	Supervisor Approva
Matrix: Soil	Step #1	Evaporation to dryness @ 103-105° C (overnight)							
Method Reference: Solids, Total 3550B (%)	Step #2	Recheck of Step #1 after further cooling in desiccator (if necessary)						LCS Accuracy: N/A	
Units: %	Step #3								
Default MRL: 0.1									

Sample ID	Client	QC	Dish ID	Dish (g)	Sample Size (g)	Final Dish + Residue (g)	TS Result (%)	TS Result (If <10) (%)	Analysis Duplicate %RPD	Result to be Exported into ELEMENT (%)
1000732-BLK1		BLK1	BLK	2.2195	10	2.2196		0.0		0.001
1001350-01	SulTRAC	REG	350-01	2.2874	10.0235	10.9145	86			86.06873846
1001350-02	SulTRAC	REG	350-02	2.2233	10.0002	10.7328	85			85.09329813
1001350-03	SulTRAC	REG	350-03	2.2828	10.039	11.6619	93			93.42663612
1001350-04	SulTRAC	REG	350-04	2.2651	10.0296	11.215	89			89.2348648
1001350-05	SulTRAC	REG	350-05	2.2464	10.0428	11.0827	88			87.98641813
1001350-06	SulTRAC	REG	350-06	2.2422	10.0017	11.856	96			96.12165932
1001350-07	SulTRAC	REG	350-07	2.2809	10.0331	11.5802	93			92.68620865
1001350-08	SulTRAC	REG	350-08	2.2328	10.0248	11.7357	95			94.7939111
1000732-DUP1		DUP1	DUP: 350-08	2.27	10.0375	11.7822	95			94.76662516

Sample ID	Client	QC	Dish ID	Dish (g)	Sample Size (g)	Final Dish + Residue (g)	TS Result (%)	TS Result (If <10) (%)	Analysis Duplicate %RPD	Result to be Exported into ELEMENT (%)
1001350-09	SulTRAC	REG	350-09	2.2641	10.0578	11.6512	93			93.33154368
1001350-10	SulTRAC	REG	350-10	2.267	10.0305	11.2058	89			89.1161956
1001350-11	SulTRAC	REG	350-11	2.2454	10.0077	11.2002	89			89.47910109
1001350-12	SulTRAC	REG	350-12	2.2666	10.0005	11.7609	95			94.93825309
1001350-13	SulTRAC	REG	350-13	2.2356	10.033	9.8784	76			76.17661716
1001350-14	SulTRAC	REG	350-14	2.2395	10.0311	9.7762	75			75.13333533
1001350-15	SulTRAC	REG	350-15	2.2443	10.0195	11.8631	96			96.00079844
1001350-16	SulTRAC	REG	350-16	2.3155	10.0426	11.5594	92			92.04688029

Rerun Macro

TriMatrix Laboratories, Inc.

TOTAL PERCENT SOLIDS

BATCH INFORMATION	ANALYSIS STEPS							QUALITY CONTROL	QC BATCH AN
Sequence: 127041	Step	Start Date	Start Time	Start Temp (°C)	End Date	End Time	End Temp (°C)	Difference Between Weighings: Less than 0.0005 g	Batch Number: 9
Balance Number: 210									
Analysis Date: 01/27/10	Step #1	1-27-10	2:00 PM	104				Blank Concentration: Less than 0.1%(w/w)	
Analyst: MJB	Step #2								
Parameter: Percent Solids	Step #3							MS/MSD Precision: <20%	Supervisor Approva
Matrix: Soil	Step #1	Evaporation to dryness @ 103-105° C (overnight)							
Method Reference: Solids, Total 3550B (%)	Step #2	Recheck of Step #1 after further cooling in desiccator (if necessary)						LCS Accuracy: N/A	
Units: %	Step #3								
Default MRL: 0.1									

Sample ID	Client	QC	Dish ID	Dish (g)	Sample Size (g)	Final Dish + Residue (g)	TS Result (%)	TS Result (If <10) (%)	Analysis Duplicate %RPD	Result to be Exported into ELEMENT (%)
1000732-BLK1		BLK1	BLK	2.2195	10					
1001350-01	SulTRAC	REG	350-01	2.2874	10.0235			-22.8		-22.82037213
1001350-02	SulTRAC	REG	350-02	2.2233	10.0002			-22.2		-22.23255535
1001350-03	SulTRAC	REG	350-03	2.2828	10.039			-22.7		-22.73931667
1001350-04	SulTRAC	REG	350-04	2.2651	10.0296			-22.6		-22.58415091
1001350-05	SulTRAC	REG	350-05	2.2464	10.0428			-22.4		-22.36826383
1001350-06	SulTRAC	REG	350-06	2.2422	10.0017			-22.4		-22.41818891
1001350-07	SulTRAC	REG	350-07	2.2809	10.0331			-22.7		-22.73375128
1001350-08	SulTRAC	REG	350-08	2.2328	10.0248			-22.3		-22.27276355
1000732-DUP1		DUP1	DUP: 350-08	2.27	10.0375			-22.6		-22.61519303

Sample ID	Client	QC	Dish ID	Dish (g)	Sample Size (g)	Final Dish + Residue (g)	TS Result (%)	TS Result (If <10) (%)	Analysis Duplicate %RPD	Result to be Exported into ELEMENT (%)
1001350-09	SulTRAC	REG	350-09	2.2641	10.0578			-22.5		-22.51088707
1001350-10	SulTRAC	REG	350-10	2.267	10.0305			-22.6		-22.60106675
1001350-11	SulTRAC	REG	350-11	2.2454	10.0077			-22.4		-22.43672372
1001350-12	SulTRAC	REG	350-12	2.2666	10.0005			-22.7		-22.66486676
1001350-13	SulTRAC	REG	350-13	2.2356	10.033			-22.3		-22.28246786
1001350-14	SulTRAC	REG	350-14	2.2395	10.0311			-22.3		-22.32556749
1001350-15	SulTRAC	REG	350-15	2.2443	10.0195			-22.4		-22.39932132
1001350-16	SulTRAC	REG	350-16	2.3155	10.0426			-23.1		-23.05677813

Inorganic - Wet Chemistry, Soil, Jan-29-10

Instrument = 210, Calibration = UNASSIGNED

Sequence Analyses:
Solids, Total 3550B (%)

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
1000798-BLK1	QC				BLANK	
1001382-01	Solids, Total 3550B (%)	A			SulTRAC	
1001382-02	Solids, Total 3550B (%)	A			SulTRAC	
1001382-03	Solids, Total 3550B (%)	A			SulTRAC	
1001382-04	Solids, Total 3550B (%)	A			SulTRAC	
1001382-05	Solids, Total 3550B (%)	A			SulTRAC	
1001382-06	Solids, Total 3550B (%)	B			SulTRAC	
1000798-DUP1	QC				DUPLICATE	
1001382-07	Solids, Total 3550B (%)	A			SulTRAC	
1001382-08	Solids, Total 3550B (%)	A			SulTRAC	
1001382-09	Solids, Total 3550B (%)	A			SulTRAC	

Comments:

Analyst Initials:

TriMatrix Laboratories, Inc.

MLB 2-9-10

PREPARATION BATCH **1000798** Page 1 of 1

Printed: 2/8/2010 8:34:32AM

Inorganic - Wet Chemistry, Soil, General Inorganic Prep

(No Surrogate)

Batch Comments: (none)

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1001382	Solids, Total 3550B (%)				

Lab Number	*Contain*	*Prepared*	*By*	*Initial (g)*	*Final (mL)*	*uL Surrogate*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1000798-BLK1		Jan-29-10 09:00	MJB	10	10					BLANK	
1000798-DUP1		Jan-29-10 09:00	MJB	10	10		1001382-06			DUPLICATE	
1001382-01	A	Jan-29-10 09:00	MJB	10	10					SulTRAC	
1001382-02	A	Jan-29-10 09:00	MJB	10	10					SulTRAC	
1001382-03	A	Jan-29-10 09:00	MJB	10	10					SulTRAC	
1001382-04	A	Jan-29-10 09:00	MJB	10	10					SulTRAC	
1001382-05	A	Jan-29-10 09:00	MJB	10	10					SulTRAC	
1001382-06	B	Jan-29-10 09:00	MJB	10	10					SulTRAC	
1001382-07	A	Jan-29-10 09:00	MJB	10	10					SulTRAC	
1001382-08	A	Jan-29-10 09:00	MJB	10	10					SulTRAC	
1001382-09	A	Jan-29-10 09:00	MJB	10	10					SulTRAC	

Comments:

Analyst Initials: MJB

bch_TriMatrix.rpt

Rerun Macro

TriMatrix Laboratories, Inc.

TOTAL PERCENT SOLIDS

BATCH INFORMATION		ANALYSIS STEPS							QUALITY CONTROL	QC BATCH AN
Sequence: 129003		Step	Start Date	Start Time	Start Temp (°C)	End Date	End Time	End Temp (°C)	Difference Between Weighings: Less than 0.0005 g	Batch Number:
Balance Number: 210										
Analysis Date: 01/29/10		Step #1	1-29-10	9:00am	104	2-1-10	8:30 AM	104	Blank Concentration: Less than 0.1%(w/w)	
Analyst: MJB		Step #2								
Parameter: Percent Solids		Step #3							MS/MSD Precision: <20%	Supervisor Approva
Matrix: Soil		Step #1	Evaporation to dryness @ 103-105° C (overnight)							
Method Reference: Solids, Total 3550B (%)		Step #2	Recheck of Step #1 after further cooling in desiccator (if necessary)						LCS Accuracy: N/A	
Units: %		Step #3								
Default MRL: 0.1										

Sample ID	Client	QC	Dish ID	Dish (g)	Sample Size (g)	Final Dish + Residue (g)	TS Result (%)	TS Result (If <10) (%)	Analysis Duplicate %RPD	Result to be Exported into ELEMENT (%)
1000798-BLK1		BLK1	blk	2.2679	10	2.2679		0.0		0
1001382-01	SulTRAC	REG	382-01	2.2425	10.0173	11.1064	88			88.48591936
1001382-02	SulTRAC	REG	382-02	2.2352	10.0139	11.0538	88			88.06359161
1001382-03	SulTRAC	REG	382-03	2.2256	10.0114	10.8326	86			85.97199193
1001382-04	SulTRAC	REG	382-04	2.2402	10.0472	10.9548	87			86.73660323
1001382-05	SulTRAC	REG	382-05	2.2458	10.0347	11.0304	88			87.54222847
1001382-06	SulTRAC	REG	382-06	2.2625	10.0292	11.5211	92			92.31643601
1000798-DUP1		DUP1	DUP 382-06	2.2551	10.017	11.5806	93			93.09673555
1001382-07	SulTRAC	REG	382-07	2.2709	10.0111	11.7674	95			94.85970573
1001382-08	SulTRAC	REG	382-08	2.2555	10.016	11.7666	95			94.9590655
1001382-09	SulTRAC	REG	382-09	2.2885	10.0011	11.2596	90			89.70113288

Rerun Macro

TriMatrix Laboratories, Inc.

TOTAL PERCENT SOLIDS

BATCH INFORMATION	ANALYSIS STEPS							QUALITY CONTROL	QC BATCH AN
Sequence: 129003	**Step**	**Start Date**	**Start Time**	**Start Temp (°C)**	**End Date**	**End Time**	**End Temp (°C)**	**Difference Between Weighings:** Less than 0.0005 g	**Batch Number:**
Balance Number: 210									
Analysis Date: 01/29/10	Step #1	1-29-10	9:00am	104				Blank Concentration: Less than 0.1%(w/w)	
Analyst: MJB	Step #2								
Parameter: Percent Solids	Step #3							MS/MSD Precision: <20%	Supervisor Approva
Matrix: Soil	Step #1	Evaporation to dryness @ 103-105° C (overnight)							
Method Reference: Solids, Total 3550B (%)	Step #2	Recheck of Step #1 after further cooling in desiccator (if necessary)						LCS Accuracy: N/A	
Units: %	Step #3								
Default MRL: 0.1									

Sample ID	Client	QC	Dish ID	Dish (g)	Sample Size (g)	Final Dish + Residue (g)	TS Result (%)	TS Result (If <10) (%)	Analysis Duplicate %RPD	Result to be Exported into ELEMENT (%)
1000798-BLK1		BLK1	blk	2.2679						
1001382-01	SulTRAC	REG	382-01	2.2425	10.0173			-22.4		-22.38627175
1001382-02	SulTRAC	REG	382-02	2.2352	10.0139			-22.3		-22.32097385
1001382-03	SulTRAC	REG	382-03	2.2256	10.0114			-22.2		-22.23065705
1001382-04	SulTRAC	REG	382-04	2.2402	10.0472			-22.3		-22.2967593
1001382-05	SulTRAC	REG	382-05	2.2458	10.0347			-22.4		-22.38034022
1001382-06	SulTRAC	REG	382-06	2.2625	10.0292			-22.6		-22.55912735
1000798-DUP1		DUP1	DUP 382-06	2.2551	10.017			-22.5		-22.51272836
1001382-07	SulTRAC	REG	382-07	2.2709	10.0111			-22.7		-22.68382096
1001382-08	SulTRAC	REG	382-08	2.2555	10.016			-22.5		-22.51896965

TriMatrix Laboratories, Inc.

SulTRAC

Project: Plainwell Mill

SDG: PM012510

USEPA-9014

SAMPLE ID SUMMARY

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

SDG: PM012510

Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-SO-56394-CB-012510-129	1001350-01
S-SO-56394-CB-012510-133	1001350-02
S-SO-56394-CB-012510-137	1001350-03
S-SO-56394-CB-012510-144	1001350-04
S-SO-56394-DR-012510-1069	1001350-05
S-SO-56394-DR-012510-1059	1001350-06
S-SO-56394-CB-012510-143	1001350-07
S-SO-56394-DR-012510-1063	1001350-08
S-SO-56394-CB-012610-153	1001350-09
S-SO-56394-CB-012610-158	1001350-10
S-SO-56394-CB-012610-160	1001350-11
S-SO-56394-CB-012610-165	1001350-12
S-SO-56394-DR-012610-1078	1001350-13
SD-SO-56394-DR-012610-1078	1001350-14
S-SO-56394-DR-012610-1075	1001350-15
S-SO-56394-CB-012610-166	1001350-16
S-SO-56394-CB-012710-168	1001382-01
SD-SO-56394-CB-012710-168	1001382-02
S-SO-56394-CB-012710-177	1001382-03
S-SO-56394-CB-012710-180	1001382-04
S-SO-56394-CB-012710-182	1001382-05
S-SO-56394-CB-012710-183	1001382-06
S-SO-56394-CB-012810-189	1001382-07
SD-SO-56394-CB-012810-189	1001382-08
S-SO-56394-CB-012810-190	1001382-09

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: 86.07
Laboratory ID: 1001350-01

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/27/10 07:00
Initial/Final: 25 g / 250 mL
QC Batch: 1000733

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.21	mg/kg dry	1	0.12	0.077		02/01/10 09:00

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: 85.09
Laboratory ID: 1001350-02

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/27/10 07:00
Initial/Final: 25.06 g / 250 mL
QC Batch: 1000733

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.37	mg/kg dry	1	0.12	0.078		02/01/10 09:00

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-012510-137

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 12:55
Solids: 93.43
Laboratory ID: 1001350-03

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/27/10 07:00
Initial/Final: 24.66 g / 250 mL
QC Batch: 1000733

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.11	mg/kg dry	1	0.11	0.071	U	02/01/10 09:07

: 00947

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-012510-144

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 15:50
Solids: 89.23
Laboratory ID: 1001350-04

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/27/10 07:00
Initial/Final: 25.86 g / 250 mL
QC Batch: 1000733

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.077	mg/kg dry	1	0.11	0.075	J	02/01/10 09:07

: 00948

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-DR-012510-1069

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 14:40
Solids: 87.99
Laboratory ID: 1001350-05

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/27/10 07:00
Initial/Final: 24.64 g / 250 mL
QC Batch: 1000733

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.11	mg/kg dry	1	0.11	0.076	U	02/01/10 09:07

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-DR-012510-1059

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 09:25
Solids: 96.12
Laboratory ID: 1001350-06

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/27/10 07:00
Initial/Final: 24.98 g / 250 mL
QC Batch: 1000733

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.10	mg/kg dry	1	0.10	0.069	U	02/01/10 09:07

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-012510-143

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 13:05
Solids: 92.69
Laboratory ID: 1001350-07

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/27/10 07:00
Initial/Final: 25.01 g / 250 mL
QC Batch: 1000733

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.11	mg/kg dry	1	0.11	0.072	U	02/01/10 09:07

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-DR-012510-1063

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/25/10 11:25
Solids: 94.79
Laboratory ID: 1001350-08

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/27/10 07:00
Initial/Final: 25.1 g / 250 mL
QC Batch: 1000733

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.11	mg/kg dry	1	0.11	0.070	U	02/01/10 09:08

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-012610-153

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 10:20
Solids: 93.33
Laboratory ID: 1001350-09

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/27/10 07:00
Initial/Final: 25.44 g / 250 mL
QC Batch: 1000733

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.11	mg/kg dry	1	0.11	0.071	U	02/01/10 09:08

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: 89.12
Laboratory ID: 1001350-10

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/27/10 07:00
Initial/Final: 25.04 g / 250 mL
QC Batch: 1000733

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.13	mg/kg dry	1	0.11	0.075		02/01/10 09:08

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: 89.48
Laboratory ID: 1001350-11

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/27/10 07:00
Initial/Final: 25.21 g / 250 mL
QC Batch: 1000733

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.091	mg/kg dry	1	0.11	0.075	J	02/01/10 09:08

: 00955

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-012610-165

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 15:20
Solids: 94.94
Laboratory ID: 1001350-12

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/27/10 07:00
Initial/Final: 25.16 g / 250 mL
QC Batch: 1000733

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.11	mg/kg dry	1	0.11	0.070	U	02/01/10 09:15

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: 76.18
Laboratory ID: 1001350-13

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/28/10 07:00
Initial/Final: 24.94 g / 250 mL
QC Batch: 1000733

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.14	mg/kg dry	1	0.13	0.088		02/01/10 09:30

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: 75.13
Laboratory ID: 1001350-14

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/28/10 07:00
Initial/Final: 25.29 g / 250 mL
QC Batch: 1000733

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.16	mg/kg dry	1	0.13	0.089		02/01/10 09:37

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-DR-012610-1075

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 09:25
Solids: 96.00
Laboratory ID: 1001350-15

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/28/10 07:00
Initial/Final: 25.17 g / 250 mL
QC Batch: 1000733

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.10	mg/kg dry	1	0.10	0.069	U	02/01/10 10:20

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-012610-166

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/26/10 16:10
Solids: 92.05
Laboratory ID: 1001350-16

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/28/10 07:00
Initial/Final: 25.03 g / 250 mL
QC Batch: 1000733

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.11	mg/kg dry	1	0.11	0.072	U	02/01/10 09:30

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: 88.49
Laboratory ID: 1001382-01

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/29/10 07:30
Initial/Final: 25.02 g / 250 mL
QC Batch: 1000800

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.15	mg/kg dry	1	0.11	0.075		02/01/10 09:45

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: 88.06
Laboratory ID: 1001382-02

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/29/10 07:30
Initial/Final: 24.91 g / 250 mL
QC Batch: 1000800

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.12	mg/kg dry	1	0.11	0.076		02/01/10 09:45

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: 85.97
Laboratory ID: 1001382-03

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/29/10 07:30
Initial/Final: 25.32 g / 250 mL
QC Batch: 1000800

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	1.2	mg/kg dry	1	0.12	0.078		02/01/10 09:45

: 00963

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: 86.74
Laboratory ID: 1001382-04

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/29/10 07:30
Initial/Final: 25.25 g / 250 mL
QC Batch: 1000800

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.19	mg/kg dry	1	0.12	0.077		02/01/10 09:45

: 00964

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: 87.54
Laboratory ID: 1001382-05

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/29/10 07:30
Initial/Final: 25.23 g / 250 mL
QC Batch: 1000800

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.67	mg/kg dry	1	0.11	0.076		02/01/10 09:45

: 00965

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-012710-183

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/27/10 15:20
Solids: 92.32
Laboratory ID: 1001382-06

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/29/10 07:30
Initial/Final: 25.14 g / 250 mL
QC Batch: 1000800

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.11	mg/kg dry	1	0.11	0.072	U	02/01/10 09:37

: 00966

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: 94.86
Laboratory ID: 1001382-07

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/29/10 07:30
Initial/Final: 24.82 g / 250 mL
QC Batch: 1000800

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	1.8	mg/kg dry	1	0.11	0.070		02/01/10 09:45

: 00967

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

SD-SO-56394-CB-012810-189

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/28/10 09:15
Solids: 94.96
Laboratory ID: 1001382-08

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/29/10 07:30
Initial/Final: 24.98 g / 250 mL
QC Batch: 1000800

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.11	mg/kg dry	1	0.11	0.070	U	02/01/10 10:06

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-012810-190

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/28/10 10:05
Solids: 89.70
Laboratory ID: 1001382-09

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/29/10 07:30
Initial/Final: 25.23 g / 250 mL
QC Batch: 1000800

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.11	mg/kg dry	1	0.11	0.074	U	02/01/10 09:52

00969

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B01026

SDG: PM012510
Project: Plainwell Mill
Instrument: 298
Calibration: 0B01005

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B01026-CAL1	020110cnm-001	02/01/10 07:47
Cal Standard	0B01026-CAL2	020110cnm-002	02/01/10 07:47
Cal Standard	0B01026-CAL3	020110cnm-003	02/01/10 07:47
Cal Standard	0B01026-CAL4	020110cnm-004	02/01/10 07:47
Cal Standard	0B01026-CAL5	020110cnm-005	02/01/10 07:47
Cal Standard	0B01026-CAL6	020110cnm-006	02/01/10 07:47
Cal Standard	0B01026-CAL7	020110cnm-007	02/01/10 07:47
Calibration Check	0B01026-CCV1	020110cnm-008	02/01/10 09:00
Calibration Blank	0B01026-CCB1	020110cnm-009	02/01/10 09:00
High Cal Check	0B01026-HCV1	020110cnm-011	02/01/10 09:00
Low Cal Check	0B01026-LCV1	020110cnm-012	02/01/10 09:00
MRL Check	0B01026-CRL1	020110cnm-013	02/01/10 09:00
Blank	1000733-BLK1	020110cnm-014	02/01/10 09:00
S-SO-56394-CB-012510-129	1001350-01	020110cnm-015	02/01/10 09:00
S-SO-56394-CB-012510-133	1001350-02	020110cnm-016	02/01/10 09:00
S-SO-56394-CB-012510-137	1001350-03	020110cnm-017	02/01/10 09:07
Calibration Check	0B01026-CCV2	020110cnm-018	02/01/10 09:07
Calibration Blank	0B01026-CCB2	020110cnm-019	02/01/10 09:07
S-SO-56394-CB-012510-144	1001350-04	020110cnm-020	02/01/10 09:07
S-SO-56394-DR-012510-1069	1001350-05	020110cnm-021	02/01/10 09:07
S-SO-56394-DR-012510-1059	1001350-06	020110cnm-022	02/01/10 09:07
S-SO-56394-CB-012510-143	1001350-07	020110cnm-023	02/01/10 09:07
S-SO-56394-DR-012510-1063	1001350-08	020110cnm-024	02/01/10 09:08
S-SO-56394-CB-012610-153	1001350-09	020110cnm-025	02/01/10 09:08
S-SO-56394-CB-012610-158	1001350-10	020110cnm-026	02/01/10 09:08
S-SO-56394-CB-012610-160	1001350-11	020110cnm-027	02/01/10 09:08
S-SO-56394-CB-012610-165	1001350-12	020110cnm-028	02/01/10 09:15
Calibration Check	0B01026-CCV3	020110cnm-030	02/01/10 09:15
Calibration Blank	0B01026-CCB3	020110cnm-031	02/01/10 09:15
Blank	1000733-BLK2	020110cnm-051	02/01/10 09:30
S-SO-56394-CB-012610-166	1001350-16	020110cnm-054	02/01/10 09:30
S-SO-56394-DR-012610-1078	1001350-13	020110cnm-055	02/01/10 09:30

: 00970

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B01026

SDG: PM012510
Project: Plainwell Mill
Instrument: 298
Calibration: 0B01005

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
SD-SO-56394-DR-012610-1078	1001350-14	020110cnm-056	02/01/10 09:37
Blank	1000800-BLK1	020110cnm-057	02/01/10 09:37
S-SO-56394-CB-012710-183	1001382-06	020110cnm-060	02/01/10 09:37
S-SO-56394-CB-012710-168	1001382-01	020110cnm-061	02/01/10 09:45
SD-SO-56394-CB-012710-168	1001382-02	020110cnm-062	02/01/10 09:45
S-SO-56394-CB-012710-177	1001382-03	020110cnm-063	02/01/10 09:45
S-SO-56394-CB-012710-180	1001382-04	020110cnm-064	02/01/10 09:45
Calibration Check	0B01026-CCV4	020110cnm-066	02/01/10 09:45
Calibration Blank	0B01026-CCB4	020110cnm-067	02/01/10 09:45
S-SO-56394-CB-012710-182	1001382-05	020110cnm-068	02/01/10 09:45
S-SO-56394-CB-012810-189	1001382-07	020110cnm-069	02/01/10 09:45
S-SO-56394-CB-012810-190	1001382-09	020110cnm-080	02/01/10 09:52
LCS	1000733-BS3	020110cnm-081	02/01/10 09:56
LCS	1000733-BS4	020110cnm-082	02/01/10 09:56
SD-SO-56394-CB-012810-189	1001382-08	020110cnm-087	02/01/10 10:06
Calibration Check	0B01026-CCV5	020110cnm-088	02/01/10 10:14
Calibration Blank	0B01026-CCB5	020110cnm-089	02/01/10 10:14
S-SO-56394-DR-012610-1075	1001350-15	020110cnm-090	02/01/10 10:20
LCS	1000733-BS1	020110cnm-091	02/01/10 10:37
LCS	1000733-BS2	020110cnm-092	02/01/10 10:38
LCS	1000800-BS1	020110cnm-093	02/01/10 10:38
LCS	1000800-BS2	020110cnm-094	02/01/10 10:38
S-SO-56394-CB-012610-166	1000733-MS1	020110cnm-095	02/01/10 10:38
S-SO-56394-CB-012610-166	1000733-MSD1	020110cnm-096	02/01/10 10:38
S-SO-56394-CB-012710-183	1000800-MS1	020110cnm-097	02/01/10 10:38
S-SO-56394-CB-012710-183	1000800-MSD1	020110cnm-098	02/01/10 10:38
Calibration Check	0B01026-CCV6	020110cnm-101	02/01/10 10:45
Calibration Blank	0B01026-CCB6	020110cnm-102	02/01/10 10:45

: 00971

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B01026
Instrument ID: 298
Control Limt: +/- 10.00%
Calibration: 0B01005

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B01026-CCV1	Cyanide, Total	0.100	0.103	103	mg/L	02/01/10 09:00
0B01026-CCV2	Cyanide, Total	0.100	0.101	101	mg/L	02/01/10 09:07
0B01026-CCV3	Cyanide, Total	0.100	0.101	101	mg/L	02/01/10 09:15
0B01026-CCV4	Cyanide, Total	0.100	0.105	105	mg/L	02/01/10 09:45
0B01026-CCV5	Cyanide, Total	0.100	0.107	107	mg/L	02/01/10 10:14
0B01026-CCV6	Cyanide, Total	0.100	0.108	108	mg/L	02/01/10 10:45

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B01026
Instrument: 298
Laboratory ID: 0B01026-LCV1
Calibration: 0B01005

Analyte	Expected	Found	% Drift	QC Limit	Units
Cyanide, Total	0.0500	0.0504	0.7	10.00	mg/L

* Values outside of QC limits

: 00973

HIGH-CONCENTRATION CALIBRATION VERIFICATION

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B01026
Instrument: 298
Laboratory ID: 0B01026-HCV1
Calibration: 0B01005

Analyte	Expected	Found	% Drift	QC Limit	Units
Cyanide, Total	0.100	0.0992	-0.8	10.00	mg/L

* Values outside of QC limits

: 00974

CRDL STANDARD

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B01026

SDG: PM012510

Project: Plainwell Mill

Instrument ID: 298

Calibration: 0B01005

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B01026-CRL1	Cyanide, Total	0.00500	0.00508	102	mg/L	50 - 150

* Values outside of QC limits

: 00975

BLANKS
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B01026

SDG: PM012510
Project: Plainwell Mill
Instrument ID: 298
Calibration: 0B01005

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B01026-CCB1	Cyanide, Total	0.000060	0.010	0.0067	mg/L	U	02/01/10 09:00
0B01026-CCB2	Cyanide, Total	-0.00027	0.010	0.0067	mg/L	U	02/01/10 09:07
0B01026-CCB3	Cyanide, Total	0.00025	0.010	0.0067	mg/L	U	02/01/10 09:15
0B01026-CCB4	Cyanide, Total	0.00046	0.010	0.0067	mg/L	U	02/01/10 09:45
0B01026-CCB5	Cyanide, Total	0.00025	0.010	0.0067	mg/L	U	02/01/10 10:14
0B01026-CCB6	Cyanide, Total	0.00033	0.010	0.0067	mg/L	U	02/01/10 10:45

* Values outside of QC limits

: 00976

QC BATCH SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510

Client: SulTRAC Project: Plainwell Mill

QC Batch: 1000733 QC Batch Matrix: Soil Preparation: 9010B Cyanide Distillation

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000733-BLK1	01/27/10 07:00	
Blank	1000733-BLK2	01/28/10 07:00	
LCS	1000733-BS1	01/27/10 07:00	
LCS	1000733-BS2	01/27/10 07:00	
LCS	1000733-BS3	01/28/10 07:00	
LCS	1000733-BS4	01/28/10 07:00	
S-SO-56394-CB-012610-166	1000733-MS1	01/28/10 07:00	
S-SO-56394-CB-012610-166	1000733-MSD1	01/28/10 07:00	
S-SO-56394-CB-012510-129	1001350-01	01/27/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-012510-133	1001350-02	01/27/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-012510-137	1001350-03	01/27/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-012510-144	1001350-04	01/27/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-DR-012510-1069	1001350-05	01/27/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-DR-012510-1059	1001350-06	01/27/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-012510-143	1001350-07	01/27/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-DR-012510-1063	1001350-08	01/27/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-012610-153	1001350-09	01/27/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-012610-158	1001350-10	01/27/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-012610-160	1001350-11	01/27/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-012610-165	1001350-12	01/27/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-DR-012610-1078	1001350-13	01/28/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
SD-SO-56394-DR-012610-1078	1001350-14	01/28/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-DR-012610-1075	1001350-15	01/28/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-012610-166	1001350-16	01/28/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP

00977

QC BATCH SUMMARY

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510

Client: SulTRAC

Project: Plainwell Mill

QC Batch: 1000800 QC Batch Matrix: Soil

Preparation: 9010B Cyanide Distillation

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000800-BLK1	01/29/10 07:30	
LCS	1000800-BS1	01/29/10 07:30	
LCS	1000800-BS2	01/29/10 07:30	
S-SO-56394-CB-012710-183	1000800-MS1	01/29/10 07:30	
S-SO-56394-CB-012710-183	1000800-MSD1	01/29/10 07:30	
S-SO-56394-CB-012710-168	1001382-01	01/29/10 07:30	one week turn, if >= 0.09Jppm, set up SPLP
SD-SO-56394-CB-012710-168	1001382-02	01/29/10 07:30	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-012710-177	1001382-03	01/29/10 07:30	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-012710-180	1001382-04	01/29/10 07:30	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-012710-182	1001382-05	01/29/10 07:30	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-012710-183	1001382-06	01/29/10 07:30	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-012810-189	1001382-07	01/29/10 07:30	one week turn, if >= 0.09Jppm, set up SPLP
SD-SO-56394-CB-012810-189	1001382-08	01/29/10 07:30	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-012810-190	1001382-09	01/29/10 07:30	one week turn, if >= 0.09Jppm, set up SPLP

: 00978

METHOD BLANK DATA SHEET
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000733-BLK1
File ID: 020110cnm-014
Prepared: 01/27/10 07:00
Preparation: 9010B Cyanide Distillatic
Initial/Final: 24.94 g / 250 mL
Analyzed: 02/01/10 09:00
Instrument: 298
QC Batch: 1000733
Sequence: 0B01026
Calibration: 0B01005

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
57-12-5	Cyanide, Total	0.067	0.10	0.10	mg/kg wet	U

: 00979

METHOD BLANK DATA SHEET
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000733-BLK2
File ID: 020110cnm-051
Prepared: 01/28/10 07:00
Preparation: 9010B Cyanide Distillatic
Initial/Final: 24.6 g / 250 mL
Analyzed: 02/01/10 09:30
Instrument: 298
QC Batch: 1000733
Sequence: 0B01026
Calibration: 0B01005

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
57-12-5	Cyanide, Total	0.067	0.10	0.10	mg/kg wet	U

: 00980

METHOD BLANK DATA SHEET
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM012510
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000800-BLK1
File ID: 020110cnm-057
Prepared: 01/29/10 07:30
Preparation: 9010B Cyanide Distillatic
Initial/Final: 24.8 g / 250 mL
Analyzed: 02/01/10 09:37
Instrument: 298
QC Batch: 1000800
Sequence: 0B01026
Calibration: 0B01005

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
57-12-5	Cyanide, Total	0.067	0.10	0.10	mg/kg wet	U

00981

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-012610-166

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510

Project: Plainwell Mill

Preparation: 9010B Cyanide Distillation

Initial/Final: 25.01 g / 250 mL

Laboratory ID: 1000733-MS1

QC Batch: 1000733

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Cyanide, Total	1.09	ND	1.13	104	51 - 126	mg/kg dry

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

* Values outside of QC limits

00982

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-012610-166

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510

Project: Plainwell Mill

Preparation: 9010B Cyanide Distillation

Initial/Final: 25 g / 250 mL

Laboratory ID: 1000733-MSD1

QC Batch: 1000733

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Cyanide, Total	1.09	1.14	105	0.5	20	51 - 126	mg/kg dry

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-9014

S-SO-56394-CB-012710-183

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM012510

Project: Plainwell Mill

Preparation: 9010B Cyanide Distillation

Initial/Final: 25.35 g / 250 mL

Laboratory ID: 1000800-MSD1

QC Batch: 1000800

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Cyanide, Total	1.07	1.11	104	0.3	20	51 - 126	mg/kg dry

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

* Values outside of QC limits

: 00985

LCS / LCS DUPLICATE RECOVERY
USEPA-9014

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

Laboratory ID: 1000733-BS1

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Initial/Final: 25.04 g / 250 mL
QC Batch: 1000733
Sequence: 0B01026

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Cyanide, Total	0.998	1.00	100	90 - 110	mg/kg wet

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

* Values outside of QC limits

: 00986

LCS / LCS DUPLICATE RECOVERY
USEPA-9014

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

Laboratory ID: 1000733-BS2

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Initial/Final: 25.02 g / 250 mL
QC Batch: 1000733
Sequence: 0B01026

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Cyanide, Total	0.500	0.513	103	90 - 110	mg/kg wet

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

* Values outside of QC limits

: 00987

LCS / LCS DUPLICATE RECOVERY
USEPA-9014

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

Laboratory ID: 1000733-BS3

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Initial/Final: 24.55 g / 250 mL
QC Batch: 1000733
Sequence: 0B01026

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Cyanide, Total	1.02	0.948	93	90 - 110	mg/kg wet

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

* Values outside of QC limits

: 00988

LCS / LCS DUPLICATE RECOVERY
USEPA-9014

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

Laboratory ID: 1000733-BS4

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Initial/Final: 25.03 g / 250 mL
QC Batch: 1000733
Sequence: 0B01026

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Cyanide, Total	0.479	0.441	92	90 - 110	mg/kg wet

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

* Values outside of QC limits

: 00989

LCS / LCS DUPLICATE RECOVERY
USEPA-9014

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

Laboratory ID: 1000800-BS1

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Initial/Final: 25 g / 250 mL
QC Batch: 1000800
Sequence: 0B01026

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Cyanide, Total	1.00	1.01	101	90 - 110	mg/kg wet

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

* Values outside of QC limits

: 00990

LCS / LCS DUPLICATE RECOVERY
USEPA-9014

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

Laboratory ID: 1000800-BS2

SDG: PM012510
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Initial/Final: 24.57 g / 250 mL
QC Batch: 1000800
Sequence: 0B01026

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Cyanide, Total	0.509	0.529	104	90 - 110	mg/kg wet

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

* Values outside of QC limits

HOLDING TIME SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc. SDG: PM012510

Client: SulTRAC Project: Plainwell Mill

Analyte: Cyanide, Total

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	01/26/10		01/27/10	2	NA	02/01/10	7	14	
S-SO-56394-CB-012510-133	01/25/10	01/26/10		01/27/10	2	NA	02/01/10	7	14	
S-SO-56394-CB-012510-137	01/25/10	01/26/10		01/27/10	2	NA	02/01/10	7	14	
S-SO-56394-CB-012510-144	01/25/10	01/26/10		01/27/10	2	NA	02/01/10	7	14	
S-SO-56394-DR-012510-1069	01/25/10	01/26/10		01/27/10	2	NA	02/01/10	7	14	
S-SO-56394-DR-012510-1059	01/25/10	01/26/10		01/27/10	2	NA	02/01/10	7	14	
S-SO-56394-CB-012510-143	01/25/10	01/26/10		01/27/10	2	NA	02/01/10	7	14	
S-SO-56394-DR-012510-1063	01/25/10	01/26/10		01/27/10	2	NA	02/01/10	7	14	
S-SO-56394-CB-012610-153	01/26/10	01/26/10		01/27/10	1	NA	02/01/10	6	14	
S-SO-56394-CB-012610-158	01/26/10	01/26/10		01/27/10	1	NA	02/01/10	6	14	
S-SO-56394-CB-012610-160	01/26/10	01/26/10		01/27/10	1	NA	02/01/10	6	14	
S-SO-56394-CB-012610-165	01/26/10	01/26/10		01/27/10	1	NA	02/01/10	6	14	
S-SO-56394-DR-012610-1078	01/26/10	01/26/10		01/28/10	2	NA	02/01/10	6	14	
SD-SO-56394-DR-012610-1078	01/26/10	01/26/10		01/28/10	2	NA	02/01/10	6	14	
S-SO-56394-DR-012610-1075	01/26/10	01/26/10		01/28/10	2	NA	02/01/10	6	14	
S-SO-56394-CB-012610-166	01/26/10	01/26/10		01/28/10	2	NA	02/01/10	6	14	
S-SO-56394-CB-012710-168	01/27/10	01/28/10		01/29/10	2	NA	02/01/10	5	14	
SD-SO-56394-CB-012710-168	01/27/10	01/28/10		01/29/10	2	NA	02/01/10	5	14	
S-SO-56394-CB-012710-177	01/27/10	01/28/10		01/29/10	2	NA	02/01/10	5	14	
S-SO-56394-CB-012710-180	01/27/10	01/28/10		01/29/10	2	NA	02/01/10	5	14	
S-SO-56394-CB-012710-182	01/27/10	01/28/10		01/29/10	2	NA	02/01/10	5	14	
S-SO-56394-CB-012710-183	01/27/10	01/28/10		01/29/10	2	NA	02/01/10	5	14	

: 00992

HOLDING TIME SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM012510

Client: SulTRAC

Project: Plainwell Mill

Analyte: Cyanide, Total

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-012810-189	01/28/10	01/28/10		01/29/10	1	NA	02/01/10	4	14	
SD-SO-56394-CB-012810-189	01/28/10	01/28/10		01/29/10	1	NA	02/01/10	4	14	
S-SO-56394-CB-012810-190	01/28/10	01/28/10		01/29/10	1	NA	02/01/10	4	14	

00993

Inorganic - Wet Chemistry, Soil, Feb-01-10

Instrument = 298, Calibration = 0B01005

Sequence Analyses:
Cyanide, Total 9014

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
0B01026-CAL1	QC		0020023		CAL STANDARD	
0B01026-CAL2	QC		0020022		CAL STANDARD	
0B01026-CAL3	QC		0020021		CAL STANDARD	
0B01026-CAL4	QC		0020020		CAL STANDARD	
0B01026-CAL5	QC		0020019		CAL STANDARD	
0B01026-CAL6	QC		0020018		CAL STANDARD	
0B01026-CAL7	QC		0020017		CAL STANDARD	
0B01026-CCV1	QC		0020018		CALIBRATION CHECK	
0B01026-CCB1	QC		0020023		CALIBRATION BLANK	
0B01026-HCV1	QC		0020013		HIGH CAL CHECK	
0B01026-LCV1	QC		0020014		LOW CAL CHECK	
0B01026-CRL1	QC		0020022		MRL CHECK	
1000733-BLK1	QC				BLANK	
1001350-01	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001350-02	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001350-03	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
0B01026-CCV2	QC		0020018		CALIBRATION CHECK	
0B01026-CCB2	QC		0020023		CALIBRATION BLANK	
1001350-04	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001350-05	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001350-06	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001350-07	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001350-08	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001350-09	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001350-10	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001350-11	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001350-12	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
0B01026-CCV3	QC		0020018		CALIBRATION CHECK	
0B01026-CCB3	QC		0020023		CALIBRATION BLANK	
1000733-BLK2	QC				BLANK	
1001350-16	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001350-13	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP

Comments:

Analyst Initials:

Inorganic - Wet Chemistry, Soil, Feb-01-10

Instrument = 298, Calibration = 0B01005

1001350-14	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1000800-BLK1	QC				BLANK	
1001382-06	Cyanide, Total 9014	C 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001382-01	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001382-02	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001382-03	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001382-04	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
0B01026-CCV4	QC		0020018		CALIBRATION CHECK	
0B01026-CCB4	QC		0020023		CALIBRATION BLANK	
1001382-05	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001382-07	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001382-09	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1000733-BS3	QC				LCS	
1000733-BS4	QC				LCS	
1001382-08	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
0B01026-CCV5	QC		0020018		CALIBRATION CHECK	
0B01026-CCB5	QC		0020023		CALIBRATION BLANK	
1001350-15	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1000733-BS1	QC				LCS	
1000733-BS2	QC				LCS	
1000800-BS1	QC				LCS	
1000800-BS2	QC				LCS	
1000733-MS1	QC				MATRIX SPIKE	
1000733-MSD1	QC				MATRIX SPIKE DUP	
1000800-MS1	QC				MATRIX SPIKE	
1000800-MSD1	QC				MATRIX SPIKE DUP	
0B01026-CCV6	QC		0020018		CALIBRATION CHECK	
0B01026-CCB6	QC		0020023		CALIBRATION BLANK	

Comments:

Analyst Initials:

seq_TriMatrix.rpt

TriMatrix Laboratories, Inc.

due 02/09/10

PREPARATION BATCH **1000733** Page 1 of 1

Printed: 2/1/2010 12:15:49PM

NLB 2-7-10

Inorganic - Wet Chemistry, Soil, 9010B Cyanide Distillation

4MD

(No Surrogate)

Batch Comments: (none)

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1001350	Cyanide, Total 9014				

Lab Number	*Contain*	*Prepared*	*By*	*Initial (g)*	*Final (mL)*	*uL Surrogate*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1000733-BLK1		Jan-27-10 07:00	LMA	24.94	250					BLANK	
1000733-BS1		Jan-27-10 07:00	LMA	25.04	250			0010706	250	LCS	
1000733-BS2		Jan-27-10 07:00	LMA	25.02	250			0010706	125	LCS	
1001350-01	A	Jan-27-10 07:00	LMA	25	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-02	A	Jan-27-10 07:00	LMA	25.06	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-03	A	Jan-27-10 07:00	LMA	24.66	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-04	A	Jan-27-10 07:00	LMA	25.86	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-05	A	Jan-27-10 07:00	LMA	24.64	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-06	A	Jan-27-10 07:00	LMA	24.98	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-07	A	Jan-27-10 07:00	LMA	25.01	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-08	A	Jan-27-10 07:00	LMA	25.1	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-09	A	Jan-27-10 07:00	LMA	25.44	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-10	A	Jan-27-10 07:00	LMA	25.04	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-11	A	Jan-27-10 07:00	LMA	25.21	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-12	A	Jan-27-10 07:00	LMA	25.16	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1000733-BLK2		Jan-28-10 07:00	LMA	24.6	250					BLANK	
1000733-BS3		Jan-28-10 07:00	LMA	24.55	250			0010706	250	LCS	
1000733-BS4		Jan-28-10 07:00	LMA	25.03	250			0010706	120	LCS	
1000733-MS1		Jan-28-10 07:00	LMA	25.01	250		1001350-16	0010706	250	MATRIX SPIKE	
1000733-MSD1		Jan-28-10 07:00	LMA	25	250		1001350-16	0010706	250	MATRIX SPIKE DUP	
1001350-13	A	Jan-28-10 07:00	LMA	24.94	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-14	A	Jan-28-10 07:00	LMA	25.29	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-15	A	Jan-28-10 07:00	LMA	25.17	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-16	A	Jan-28-10 07:00	LMA	25.03	250					SulTRAC	one week turn, if >= 0.09Jppm, set up

Comments:

Analyst Initials:

due 02/10/10

TriMatrix Laboratories, Inc.

PREPARATION BATCH **1000800** Page 1 of 1

Printed: 1/29/2010 9:22:30AM

Inorganic - Wet Chemistry, Soil, 9010B Cyanide Distillation

4MD

(No Surrogate)

Batch Comments: (none)

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1001382	Cyanide, Total 9014				

Lab Number	*Contain*	*Prepared*	*By*	*Initial (g)*	*Final (mL)*	*uL Surrogate*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1000800-BLK1		Jan-29-10 07:30	LMA	24.8	250					BLANK	
1000800-BS1		Jan-29-10 07:30	LMA	25	250			0010706	250	LCS	
1000800-BS2		Jan-29-10 07:30	LMA	24.57	250			0010706	125	LCS	
1000800-MS1		Jan-29-10 07:30	LMA	25.33	250		1001382-06	0010706	250	MATRIX SPIKE	
1000800-MSD1		Jan-29-10 07:30	LMA	25.35	250		1001382-06	0010706	250	MATRIX SPIKE DUP	
1001382-01	A	Jan-29-10 07:30	LMA	25.02	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001382-02	A	Jan-29-10 07:30	LMA	24.91	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001382-03	A	Jan-29-10 07:30	LMA	25.32	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001382-04	A	Jan-29-10 07:30	LMA	25.25	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001382-05	A	Jan-29-10 07:30	LMA	25.23	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001382-06	C	Jan-29-10 07:30	LMA	25.14	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001382-07	A	Jan-29-10 07:30	LMA	24.82	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001382-08	A	Jan-29-10 07:30	LMA	24.98	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001382-09	A	Jan-29-10 07:30	LMA	25.23	250					SulTRAC	one week turn, if >= 0.09Jppm, set up

Comments: See Raw Data

Analyst Initials:

TriMatrix Laboratories, Inc.

due 02/09/10

PREPARATION BATCH 1000733

Printed: 1/27/2010 1:31:29PM

Inorganic - Wet Chemistry, Soil, 9010B Cyanide Distillation

(No Surrogate)

4,4D

Batch Comments: (none)

60998

Standard	Description	Solvent	LotNum
0010706	Cyanide 100 mg/L	INR10.55-14	N/A

RawData

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1001350	Cyanide, Total 9014				

Lab Number	Contain	Prepared	By	Initial (g)	Final (mL)	Dilution	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1000733-BLK1		Jan 27, 10 7:00am	LMK	24.94	250					BLANK	
1000733-BS1				25.04				0010706	250	LCS	
1000733-BS2				25.02				"	125	LCS	
1001350-01				25.00						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-02				25.06						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-03				24.66						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-04				25.80						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-05				24.64						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-06				24.98						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-07				25.01						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-08				25.10						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-09				25.44						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-10				25.04						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-11				25.21						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-12		"	"	25.16	"					SulTRAC	one week turn, if >= 0.09Jppm, set up

Comments: pH>12 w/ NaOH checked for interferences

Reagents INR10.43-8, INR10.45-8, INR10.44-8, H_2SO_4 Lot# 094609

7:00-8:45am

Analyst Initials:

Due 02/09/10

TriMatrix Laboratories, Inc.

PREPARATION BATCH **1000733** Page 1 of 2

Printed: 1/28/2010 6:54:13AM

4 MD

Inorganic - Wet Chemistry, Soil, 9010B Cyanide Distillation

(No Surrogate)

Batch Comments: (none)

Raw Data

66666

Standard	Description	Solvent	LotNum
0010706	Cyanide 100 mg/L	INR10.55-14	N/A

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1001350	Cyanide, Total 9014				

Lab Number	*Contain*	*Prepared*	*By*	*Initial (g)*	*Final (mL)*	*Dilution*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1000733-BLK1										BLANK	
1000733-BS1										LCS	
1000733-BS2										LCS	
1001350-01										SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-02										SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-03										SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-04										SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-05										SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-06										SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-07										SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-08										SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-09										SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-10										SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-11										SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-12										SulTRAC	one week turn, if >= 0.09Jppm, set up
1000733-BLK2		Jan28,10 7:00am	MK	24.60	250					BLANK	
1000733-BS3		↓	↓	24.55	↓					LCS	
1000733-BS4				25.03						LCS	
1000733-MS1	A			25.01			1001350-16			MATRIX SPIKE	
1000733-MSD1	A			25.00			1001350-16			MATRIX SPIKE DUP	
1001350-13	A	↓	↓	24.94	↓					SulTRAC	one week turn, if >= 0.09Jppm, set up

Comments:

ANY2W/NaOH checked for interferences Reagents INR-10.43-8, H_2SO_4 Lot# 0944009, INR10.45-8, INR10.44-8 7:00-8:00am

Analyst Initials:

Inorganic - Wet Chemistry, Soil, 9010B Cyanide Distillation

(No Surrogate)

Batch Comments: (none)

Lab Number	*Contain*	*Prepared*	*By*	*Initial (g)*	*Final (mL)*	*Dilution*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1001350-14	A	Jan 28,10 7:00am	WL	25.29	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-15	A	"		25.17	"					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001350-16	A	"		25.03	"					SulTRAC	one week turn, if >= 0.09Jppm, set up

Comments:	Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1000800

Printed: 1/29/2010 9:22:37AM

Inorganic - Wet Chemistry, Soil, 9010B Cyanide Distillation

(No Surrogate)

Batch Comments: (none)

01001

Standard	Description	Solvent	LotNum
0010706	Cyanide 100 mg/L	INR10.55-14	N/A

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1001382	Cyanide, Total 9014				

Lab Number	*Contain*	*Prepared*	*By*	*Initial (g)*	*Final (mL)*	*Dilution*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1000800-BLK1		Jan29,10 7:30am	LMK	24.80	250					BLANK	
1000800-BS1				25.00				0010706	+250	LCS	
1000800-BS2				24.57					+125	LCS	
1000800-MS1	A			25.33			1001382-06		+250	MATRIX SPIKE	
1000800-MSD1				25.35			1001382-06	↓	↓	MATRIX SPIKE DUP	
1001382-01				25.02						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001382-02				24.91						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001382-03				25.32						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001382-04				25.25						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001382-05				25.23						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001382-06	TC			25.14						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001382-07				25.82						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001382-08				24.98						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001382-09	↓	↓	↓	25.23	↓					SulTRAC	one week turn, if >= 0.09Jppm, set up

Comments: pH>12 w/NaOH checked for interferences Reagents INR10.43-8 INR10.45-8 INR10.44-8 H2SO4 Lot# 094609 7:30-8:15am

Analyst Initials:

Calibration results AquaKem 6.5 Page: 1

Laboratory inst#298
Konelab User

01.02.2010 07:52

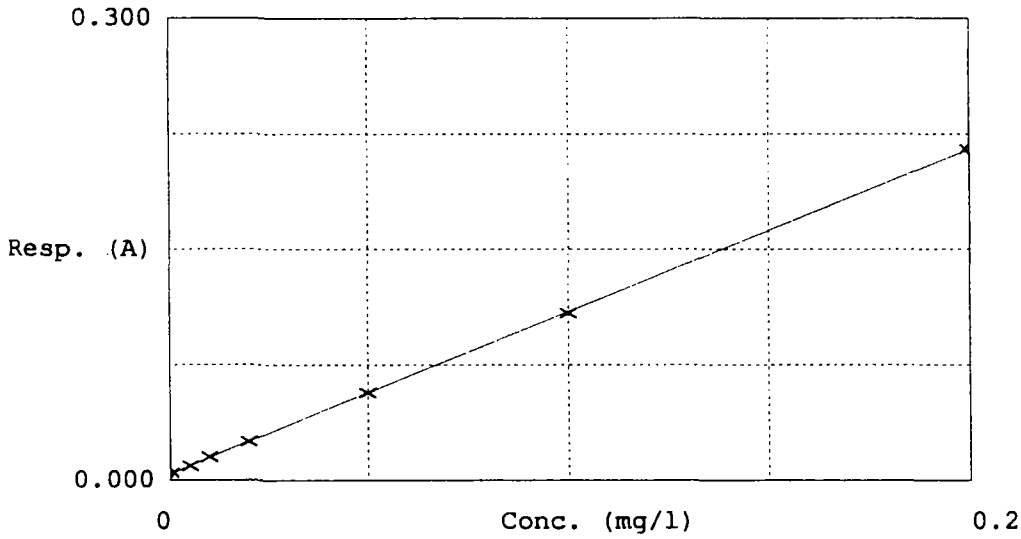
Test CN

7:30-11:00am

Reagents
INR10.55-14
INK9.88-2
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

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		