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

EPA Region 5 Records Ctr.
350174

TRANSMITTAL FORM

Date: February 4, 2010

Attention: Mr. Jeff Lifka
To: Tetra Tech EM, Inc.
1 S. Wacker Drive; 37th Floor
Chicago, IL 60606-4651
312-201.7491

Project No.: 1001142, 1001177
Client: SulTRAC
Project Name: Plainwell Mill
SDG Name: PM011110
Location: Plainwell, Michigan

WE ARE SENDING YOU:

BY: ____ U.S. Mail ____ UPS __X__ Federal Express ____ Other: ____

ENCLOSED WITH THIS TRANSMITTAL: *X* *UNDER SEPARATE COVER:* ____

____ Work Plan(s)	____ Report(s) (DRAFT)(FINAL)	____ Contract Documents
____ Specifications	____ Design Plans	__X__ Data Package
____ Shop Drawings	____ Proposal(s)	____ Other

QUANTITY	*DESCRIPTION / DOCUMENT NAME*
1	Copy of the data validation package (paper – EPA)
1	Copy of the data validation package (paper and CD– Jeff Lifka)

THESE ARE TRANSMITTED AS CHECKED BELOW:

____ For Approval	____ For Your Information	____ For Your Use
____ For File	__X__ Furnished As Requested	____ As Corrected
____ For Review and Comment	____ Revise and Resubmit	____ For Field Use
____ Rejected	____ ____	____ For Submittal To: ____

REMARKS:

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

BY: Lisa M. Harvey
Project Chemist

DATA VALIDATION PACKAGE

Prepared for:

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

Project:

Plainwell Mill

Sample Delivery Group (SDG):

PM011110

Date:

February 04, 2010

Prepared by:

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

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Individual sample results relate only to the sample tested.

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SulTRAC
Plainwell Mill

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SDG: PM011110

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SDG CASE NARRATIVE

SulTRAC
Plainwell Mill

SDG Executive Summary

This case narrative applies to samples received on January 12, 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

02.04.2010
Date

SDG: PM011110

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SDG CASE NARRATIVE

Sample Receipt and Login -- Work Order: 1001142

TriMatrix Laboratories received the cooler(s) for this work order on January 12, 2010, at 18:10pm. 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-VAS-56394-DR-011110-1001	1001142-01	Water	1/11/2010
S-SO-56394-CB-011110-003	1001142-02	Soil	1/11/2010
S-SS-56394-EV-011210-011	1001142-03	Soil	1/12/2010
S-SO-56394-CB-011210-015	1001142-04	Soil	1/12/2010

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

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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.

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SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Dissolved 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 less than 5 times the MB value, is considered estimated.

Analysis: USEPA-6020A

Sample/Analyte: 1001142-01 S-VAS-56394-DR-011110-1001 Chromium

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: 1001142-01 S-VAS-56394-DR-011110-1001 Iron

Qualification: The sample was digested as a result of elevated turbidity, particulate matter, and/or odor levels.

Analysis: USEPA-6010B

Sample/Analyte: 1001142-01 S-VAS-56394-DR-011110-1001

Analysis: USEPA-6020A

Sample/Analyte: 1001142-01 S-VAS-56394-DR-011110-1001

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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 less than 5 times the MB value, is considered estimated.

Analysis: USEPA-6020A

Sample/Analyte:	
1001142-01 S-VAS-56394-DR-011110-1001	Chromium
1001142-01 S-VAS-56394-DR-011110-1001	Zinc

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

Analysis: USEPA-6020A

Sample/Analyte:	
1001142-02 S-SO-56394-CB-011110-003	Chromium
1001142-02 S-SO-56394-CB-011110-003	Vanadium
1001142-03 S-SS-56394-EV-011210-011	Chromium
1001142-03 S-SS-56394-EV-011210-011	Vanadium
1001142-04 S-SO-56394-CB-011210-015	Chromium
1001142-04 S-SO-56394-CB-011210-015	Vanadium

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SECTION - A

FIELD COC RECORDS AND RECEIVING DOCUMENTATION

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TriMatrix Laboratories, Inc.

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Phone (616) 975-4500 Fax (616) 942-7463
www.trimatrixlabs.com

Chain of Custody Record

COC No. TK001

For Lab Use Only

Cart: 1
VOA Rack/Tray: –
Receipt Log No.: 10-31
Project Chemist: Lisa Harvey
Work Order No.: 1001142

PM01110

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

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

Analyses Requested

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

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

Schedule	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	Comp / Grab	Matrix	Total	Sample Comments
F	~~WP~~ WG	01	1	S-VAS-56394-DR-011110-1001	TR 1902	01/11/10	1645 ~~1650~~	G	Grab	2	D-MET T-MET *
A	SO	02	2	S-SO-56394-CB-011110-003		01/11/10	1535	G	Soil	1	
A	NC SO	03	3	S-SS-56394-EV-011210-011		01/12/10	1120	Comp	Soil	1	
A	SO	04	4	S-SO-56394-CB-011210-015		01/12/10	1600	G	Soil	1	
			5								
			6								
			7								
			8								
			9								
			10								

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

How Shipped?
Tracking No.

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

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
	1/12/10	1810						

1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
						D. Riordin	1-12-10	18:10

TriMatrix Laboratories, Inc.

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Phone (616) 975-4500 Fax (616) 942-7463
www.trimatrixlabs.com

Chain of Custody Record

COC No. 06233

For Lab Use Only
Cart: 6
VOA Rack/Tray: –
Receipt Log No.: 13-16
Project Chemist: Lisa Harvey
Work Order No.: 1001177

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)	B Dissolved Metals* (wtr)		Total	Sample Comments
				Container Type (corresponds to Container Packing List)						17	17	17	17		5	6	23	15			
				Number of Containers Submitted																	
A		01	1	S-SS-S6394-EV-011310-021		01-13-10	1135	Comp	S	X	X									1	TOTAL METALS + TOTAL CN in soil containers
		02	2	S-SO-S6394-CB-011410-033		1-14-10	0905	Comp	S	X	X									1	
	FD	03	3	SD-SO-S6394-CB-011410-033		1-14-10	0907	Comp	S	X	X									1	
		04	4	S-SO-S6394-CB-011410-046		1-14-10	1225	Comp	S	X	X									1	
B		05	5	S-SO-S6394-CB-011410-041		1-14-10	1120	Comp	S	X 3a	X 3a									3	MS/MSD
I		06	6	S-VAS-S6394-DR-011410-1013		1-14-10	0845	Grab	W							X				1	
H		07	7	S-VAS-S6394-DR-011410-1013		1-14-10	0845	Grab	W									X		1	filtered in field
I	FD	08	8	SD-VAS-S6394-DR-011310-1008		1-13-10	1010	Grab	W							X				1	
H	FD	09	9	SD-VAS-S6394-DR-011310-1008		1-13-10	1010	Grab	W									X		1	filtered in field
I		10	10	S-VAS-S6394-DR-011310-1008		1-13-10	1010	Grab	W							X				1	

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

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

How Shipped?
Tracking No.

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

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
Kristi Root	1-14-10	1736						
1. Received By	**Date**	**Time**	**2. Received By**	**Date**	**Time**	**3. Received For Lab By**	**Date**	**Time**
						D. Nardin	1-14-10	17:36

TriMatrix Laboratories, Inc.

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Phone (616) 975-4500 Fax (616) 942-7463
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Chain of Custody Record

COC No. 06234

For Lab Use Only

Cart: 6
VOA Rack/Tray:
Receipt Log No.: 13-16
Project Chemist: Lisa Harvey
Work Order No.: 1001177

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

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

Analyses Requested

	A	A	A	A		E	B	A	B	
	Total Metals* (soil)	Total CN, %S (soil)	SPLP-Metals* (soil)	SPLP-Cyanide (Soil)		Total CN (wtr)	Total Metals* (wtr)	LLHg (wtr)	Dissolved Metals* (wtr)	
Container Type (corresponds to Container Packing List)	17	17	17	17		5	6	23	15	
Number of Containers Submitted										

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

Schedule	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	Comp / Grab	Matrix	Total	Sample Comments
H		11	1	S-VAS-S6394-DR-011310-1008		1-13-10	1010	Grab	W	1	filtered in field
A		12	2	S-SO-S6394-DR-011310-1011		1-13-10	1325	Comp	S	1	Total metals + CN in same jar
↓		13	3	S-SO-S6394-CB-011310-028		1-13-10	1630	Comp	S	1	
		14	4	S-SO-S6394-CB-011410-040		1-14-10	1025	Comp	S	1	
↓		15	5	S-SO-S6394-CB-011310-026		1-13-10	1520	Comp	S	1	
			6								
			7								
			8								
			9								
			10								

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

How Shipped?
Tracking No.

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

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
Kristi Root	1-14-10	1736						

1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
						DNardin	1-14-10	17:36

TriMatrix Laboratories, Inc.

SAMPLE RECEIVING / LOG-IN CHECKLIST

Client: SUITRAC | Project-Submittal No. New / Add To: 1001142
Receipt Record Page/Line No.: 10-31 | Project Chemist: MA | Sample Nos.: 01-04

Coolers Received

Recorded by (initials/date): DN 1-12-10

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

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

Cooler No. / Time	Cooler No. / Time	Cooler No. / Time	Cooler No. / Time
1N1906 / 9:50			
Custody Seals:			
☑ None	☐ None	☐ None	☐ None
☐ Present / Intact	☐ Present / Intact	☐ Present / Intact	☐ Present / Intact
☐ Present / Not Intact	☐ Present / Not Intact	☐ Present / Not Intact	☐ Present / Not Intact
Coolant Location:			
Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom
Coolant/Temperature Taken Via:			
☐ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers
☑ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers
☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers
☐ None / Avg 2-3 containers	☐ None / Avg 2-3 containers	☐ None / Avg 2-3 containers	☐ None / Avg 2-3 containers
Alternate Temperature Taken Via:			
☑ Temperature Blank (TB)	☐ Temperature Blank (TB)	☐ Temperature Blank (TB)	☐ Temperature Blank (TB)
☐ 1 Container	☐ 1 Container	☐ 1 Container	☐ 1 Container
Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C
Temp Blank: 0 / 9.3	Temp Blank:	Temp Blank:	Temp Blank:
TB location: Representative / Not Representative	TB location: Representative / Not Representative	TB location: Representative / Not Representative	TB location: Representative / Not Representative
1: 9.2 / 0 / 9.2	1:	1:	1:
2: 9.7 / 0 / 9.7	2:	2:	2:
3: 9.4 / 0 / 9.4	3:	3:	3:
Average °C: 9.4	Average °C:	Average °C:	Average °C:
☑ Cooler ID on COC?	☐ Cooler ID on COC?	☐ Cooler ID on COC?	☐ Cooler ID on COC?
☐ VOC Trip Blank received?	☐ VOC Trip Blank received?	☐ VOC Trip Blank received?	☐ VOC Trip Blank received?

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

Paperwork Received

☐ No COC Received

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

COC ID Nos. TR0001

☑ TriMatrix

☐ Other (Name or ID#)____

Check COC for Accuracy

☐ No analysis requested

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

Sample Condition Summary

☐ Non-TriMatrix containers, see Notes

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

Check Sample Preservation

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

☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

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

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

Notes

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

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
DN 1-12-10	DN 1-12-10	Yes / No

TriMatrix Laboratories, Inc.

SAMPLE RECEIVING / LOG-IN CHECKLIST

Client	Project-Submittal No.
SUBTRAC	New / Add To 1001177
Receipt Record Page/Line No. 13-14	Project Chemist / Sample Nos.

Coolers Received

Recorded by (initials/date): DN 1-14-10

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

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

Cooler No. / Time	Cooler No. / Time	Cooler No. / Time	Cooler No. / Time
TMU44618:15			
Custody Seals:	**Custody Seals:**	**Custody Seals:**	**Custody Seals:**
☐ None	☐ None	☐ None	☐ None
☑ Present / Intact	☐ Present / Intact	☐ Present / Intact	☐ Present / Intact
☐ Present / Not Intact	☐ Present / Not Intact	☐ Present / Not Intact	☐ Present / Not Intact
Coolant Location:	**Coolant Location:**	**Coolant Location:**	**Coolant Location:**
Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom
Coolant/Temperature Taken Via:	**Coolant/Temperature Taken Via:**	**Coolant/Temperature Taken Via:**	**Coolant/Temperature Taken Via:**
☐ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers
☐ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers
☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers
☑ None / Avg 2-3 containers	☑ None / Avg 2-3 containers	☑ None / Avg 2-3 containers	☑ None / Avg 2-3 containers
Alternate Temperature Taken Via:	**Alternate Temperature Taken Via:**	**Alternate Temperature Taken Via:**	**Alternate Temperature Taken Via:**
☑ Temperature Blank (TB)	☐ Temperature Blank (TB)	☐ Temperature Blank (TB)	☐ Temperature Blank (TB)
☐ 1 Container	☐ 1 Container	☐ 1 Container	☐ 1 Container

Recorded °C	Correction Factor °C	Actual °C
Temp Blank:	0	1.7
TB location: (Representative) / Not Representative		
1 3.7	0	3.7
2 4.1	0	4.1
3 4.4	0	4.4
Average °C		4.1
☐ 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. 06233, 06234

☑ TriMatrix

☐ Other (Name or ID#)____

Check COC for Accuracy

☐ No analysis requested

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

Sample Condition Summary

☐ Non-TriMatrix containers, see Notes

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

Check Sample Preservation

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

☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

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

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

Notes

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

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
DN 1-14-10	DN 1-14-10	Yes / No

TriMatrix Laboratories, Inc.

SAMPLE PRESERVATION VERIFICATION FORM

page 1 of 1

Client	Sultrac	Project-Submittal No.	1001142
Receipt Log No.	10-31	Completed By (initials/date)	QN 1-12-10
		Project Chemist	VMH

COC ID No.	TR001	Adjusted by:_____ Date:_____		DO NOT ADJUST pH FOR THESE CONTAINER TYPES			
Container Type	5	4	13	3	6	15	
Tag Color	Lt. Blue	Blue	Brown	Green	Red	Red Stripe	
Preservative	NaOH	H_2SO_4	H_2SO_4	None	HNO_3	HNO_3	
Expected pH	>12	<2	<2	~7	<2	<2	
COC Line No. 1					✓	→ X	
COC Line No. 2							
COC Line No. 3							
COC Line No. 4							
COC Line No. 5							
COC Line No. 6							
COC Line No. 7							
COC Line No. 8							
COC Line No. 9							
COC Line No. 10							

Comments

↑ One is Field Filtered - VMH

pH strip lot No.
☑ HC932216
☐ _____

Aqueous Samples: For each sample and container type, check the box if pH is acceptable. **If pH is not acceptable for any sample container, record pH in box, and note on Sample Receiving Checklist and on Sample Receiving Non-Conformance Form.** If approved by Project Chemist, add acid or base to the sample to achieve the correct pH. Add up to, but do not exceed 2x the volume initially added at container prep (see table below for initial volumes used). **Add orange pH tag to sample container and record information requested. Record adjusted pH on this form. Do not adjust pH for container types 3, 6, and 15.**

COC ID No.		Adjusted by:_____ Date:_____		DO NOT ADJUST pH FOR THESE CONTAINER TYPES			
Container Type	5	4	13	3	6	15	
Tag Color	Lt. Blue	Blue	Brown	Green	Red	Red Stripe	
Preservative	NaOH	H_2SO_4	H_2SO_4	None	HNO_3	HNO_3	
Expected pH	>12	<2	<2	~7	<2	<2	
COC Line No. 1							
COC Line No. 2							
COC Line No. 3							
COC Line No. 4							
COC Line No. 5							
COC Line No. 6							
COC Line No. 7							
COC Line No. 8							
COC Line No. 9							
COC Line No. 10							

Comments

Container Size (mL)	Original Vol. of Preservative (mL)
Container Type 5:	NaOH
500	2.5
1000	5.0
Container Type 4:	H_2SO_4
125	0.5
250	1.0
500	2.0
1000	4.0
Container Type 13	H_2SO_4
500	2.5

TriMatrix Laboratories, Inc.

SAMPLE PRESERVATION VERIFICATION FORM

page 1 of 1

Client	SUTRAC	Project-Submittal No.	1001177
Receipt Log No.	13-16	Completed By (initials/date)	DN 1-14-10
		Project Chemist	

COC ID No. D6233	Adjusted by: / Date:	DO NOT ADJUST pH FOR THESE CONTAINER TYPES			
Container Type	5	4	13		
Tag Color	Lt. Blue	Blue	Brown		
Preservative	NaOH	H_2SO_4	H_2SO_4		
Expected pH	>12	<2	<2		
COC Line No. 1					
COC Line No. 2					
COC Line No. 3					
COC Line No. 4					
COC Line No. 5					
COC Line No. 6					
COC Line No. 7					
COC Line No. 8					
COC Line No. 9					
COC Line No. 10					

3	6	15	
Green	Red	Red Stripe	
None	HNO_3	HNO_3	
~7	<2	<2	
	✓		
		✓	
	✓		
		✓	
	✓		

Comments

COC ID No. D6234	Adjusted by: / Date:	DO NOT ADJUST pH FOR THESE CONTAINER TYPES			
Container Type	5	4	13		
Tag Color	Lt. Blue	Blue	Brown		
Preservative	NaOH	H_2SO_4	H_2SO_4		
Expected pH	>12	<2	<2		
COC Line No. 1					
COC Line No. 2					
COC Line No. 3					
COC Line No. 4					
COC Line No. 5					
COC Line No. 6					
COC Line No. 7					
COC Line No. 8					
COC Line No. 9					
COC Line No. 10					

3	6	15	
Green	Red	Red Stripe	
None	HNO_3	HNO_3	
~7	<2	<2	
		✓	

Comments

pH strip lot No.

☑ HC932216

☐ _____

Aqueous Samples: For each sample and container type, check the box if pH is acceptable. **If pH is not acceptable for any sample container, record pH in box, and note on Sample Receiving Checklist and on Sample Receiving Non-Conformance Form.** If approved by Project Chemist, add acid or base to the sample to achieve the correct pH. Add up to, but do not exceed 2x the volume initially added at container prep (see table below for initial volumes used). **Add orange pH tag to sample container and record information requested. Record adjusted pH on this form. Do not adjust pH for container types 3, 6, and 15.**

Container Size (mL)	Original Vol. of Preservative (mL)
Container Type 5:	NaOH
500	2.5
1000	5.0
Container Type 4:	H_2SO_4
125	0.5
250	1.0
500	2.0
1000	4.0
Container Type 13	H_2SO_4
500	2.5

Official Sample Seal		TriMatrix Laboratories, Inc.
CUSTODY SEAL	Signature [signature]	(616) 975-4500
	Site Plainwell Mill Date 1-14-10	

10017

00016

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-12-10 18:10**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001142-01 S-VAS-56394-DR-011110-1001						
1001142-02 S-SO-56394-CB-011110-003	A	Ina Scott	01-18-10 7:00 AM	01-18-10 4:00 pm	No	A01
1001142-03 S-SS-56394-EV-011210-011	A	"	"	"	No	A01
1001142-04 S-SO-56394-CB-011210-015	A	Ina Scott	01-18-10 7:00 AM	01-18-10 4:00 pm	No	A01

Internal Chain of Custody --- Work Order # **1001142**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-12-10 18:10**

Department: **Metals**

Analysis: ~~ICPMS 6020A~~ KW 2-1-10 ICP6010B

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001142-01 S-VAS-56394-DR-011110-1001						
1001142-02 S-SO-56394-CB-011110-003	A01	Kara Vosler	1-18-10 4:00pm	1-21-10 2:15pm	no	
1001142-03 S-SS-56394-EV-011210-011	A01	JKW	JKW	JKW	JKW	
1001142-04 S-SO-56394-CB-011210-015	A01	Kara Vosler	1-18-10 4:00pm	1-21-10 2:15pm	no	

Internal Chain of Custody --- Work Order # **1001142**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-12-10 18:10**

Department: **Metals**

Analysis: 3010A Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001142-01 S-VAS-56394-DR-011110-1001	A	Mia Scott	01-18-10 7^00 Am	01-18-10 4^00 pm	NO	A01
1001142-02 S-SO-56394-CB-011110-003						
1001142-03 S-SS-56394-EV-011210-011						
1001142-04 S-SO-56394-CB-011210-015						

52565

Internal Chain of Custody --- Work Order # **1001142**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-12-10 18:10**

Department: **Metals**

Analysis: ICP 6010B

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001142-01 S-VAS-56394-DR-011110-1001	A01	Joann Jay	1/18/10 4:00p	1/19/10 3:10p	NO	
1001142-02 S-SO-56394-CB-011110-003						
1001142-03 S-SS-56394-EV-011210-011						
1001142-04 S-SO-56394-CB-011210-015						

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-12-10 18:10**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001142-01 S-VAS-56394-DR-011110-1001	B	Ma Scott	01-18-10 7am	01-18-10 4pm	ND	B01
1001142-02 S-SO-56394-CB-011110-003						
1001142-03 S-SS-56394-EV-011210-011						
1001142-04 S-SO-56394-CB-011210-015						

22068

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-12-10 18:10**

Department: **Metals**

Analysis: ICP 6010B Dissolved

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001142-01 S-VAS-56394-DR-011110-1001	B01	Joanne Fay	1/18/10 4:00pm	1/19/10 3:10pm	NO	
1001142-02 S-SO-56394-CB-011110-003						
1001142-03 S-SS-56394-EV-011210-011						
1001142-04 S-SO-56394-CB-011210-015						

00023

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-12-10 18:10**

Department: **Metals**

Analysis: 3020A Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001142-01 S-VAS-56394-DR-011110-1001	A	Ina Scott	01-18-10 7:00 AM	01-18-10 4:00 PM	No	A02
1001142-02 S-SO-56394-CB-011110-003						
1001142-03 S-SS-56394-EV-011210-011						
1001142-04 S-SO-56394-CB-011210-015						

00024

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-12-10 18:10**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001142-01 S-VAS-56394-DR-011110-1001	A02	[signature]	1/10/10 4:00pm	1/21/10 7:55p	No	
1001142-02 S-SO-56394-CB-011110-003						
1001142-03 S-SS-56394-EV-011210-011						
1001142-04 S-SO-56394-CB-011210-015						

Internal Chain of Custody --- Work Order # **1001142**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-12-10 18:10**

Department: **Metals**

Analysis: 3020A Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001142-01 S-VAS-56394-DR-011110-1001	B	Tina Scott	01-18-10 7am	01-18-10 4pm	no	802
1001142-02 S-SO-56394-CB-011110-003						
1001142-03 S-SS-56394-EV-011210-011						
1001142-04 S-SO-56394-CB-011210-015						

37559

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-12-10 18:10**

Department: **Metals**

Analysis: ICPMS 6020A Dissolved

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001142-01 S-VAS-56394-DR-011110-1001	BOZ	[signature]	1/18/10 4:00pm	1/21/10 7:55pm	No	
1001142-02 S-SO-56394-CB-011110-003						
1001142-03 S-SS-56394-EV-011210-011						
1001142-04 S-SO-56394-CB-011210-015						

00027

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-12-10 18:10**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001142-01 S-VAS-56394-DR-011110-1001						
1001142-02 S-SO-56394-CB-011110-003	A	Ma Scott	01-18-10 7:00 Am	01-18-10 4:00 pm	No	A02
1001142-03 S-SS-56394-EV-011210-011	A	"	"	"	No	A02
1001142-04 S-SO-56394-CB-011210-015	A	Ma Scott	01-18-10 7:00 Am	01-18-10 4:00 pm	No	A02

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-12-10 18:10**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001142-01 S-VAS-56394-DR-011110-1001						
1001142-02 S-SO-56394-CB-011110-003	A02	Melanie Sr Lyn	1/18/10 4:00pm	1/25/10 4:15pm	No	
1001142-03 S-SS-56394-EV-011210-011	A02	"	"	"	No	
1001142-04 S-SO-56394-CB-011210-015	A02	Melanie Sr Lyn	1/18/10 4:00pm	1/25/10 4:15pm	No	

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-12-10 18:10**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001142-01 S-VAS-56394-DR-011110-1001						
1001142-02 S-SO-56394-CB-011110-003	A		1-18-10 10:15AM	1-18-10 12:15pm	NO	A04
1001142-03 S-SS-56394-EV-011210-011	A	↓ KOB	↓ KOB	↓ KOB	↓ KVB	A04
1001142-04 S-SO-56394-CB-011210-015	A		1-18-10 10:15AM	1-18-10 12:15pm	NO	A04

Internal Chain of Custody --- Work Order # **1001142**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-12-10 18:10**

Department: **Metals**

Analysis: ICPMS 6020A Sb

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001142-01 S-VAS-56394-DR-011110-1001						
1001142-02 S-SO-56394-CB-011110-003	A04		1-18-10 12:15 PM	1-20-10 12:30 PM	NO	
1001142-03 S-SS-56394-EV-011210-011	A04		〃	〃	〃	
1001142-04 S-SO-56394-CB-011210-015	A04		1-18-10 12:15 PM	1-20-10 12:30 PM	NO	

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-12-10 18:10**

Department: **Metals**

Analysis: Hg 7471A Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001142-01 S-VAS-56394-DR-011110-1001						
1001142-02 S-SO-56394-CB-011110-003	A	Ina Scott	01-20-10 1:30 pm	01-20-10 2:00 pm	No	AOS
1001142-03 S-SS-56394-EV-011210-011	A				No	AOS
1001142-04 S-SO-56394-CB-011210-015	A	Ma Scott	01-20-10 1:30 pm	01-20-10 2:00 pm	No	AOS

00032

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-12-10 18:10**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001142-01 S-VAS-56394-DR-011110-1001						
1001142-02 S-SO-56394-CB-011110-003	AOS	Kari Vissers	1-20-10 2:00pm	1-20-10 4:30pm	yes	
1001142-03 S-SS-56394-EV-011210-011	AOS	JKW	JKW	JKW	JKW	
1001142-04 S-SO-56394-CB-011210-015	AOS	Kari Vissers	1-20-10 2:00pm	1-20-10 4:30pm	yes	

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-14-10 17:36**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001177-01 S-SS-56394-EV-011310-021	A	Ma Scott	01-18-10 7:00 AM	01-18-10 4:00 PM	NO	A01
1001177-02 S-SO-56394-CB-011410-033	A	Ma Scott	01-18-10 7:00 AM	01-18-10 4:00 PM	No	A01
1001177-03 SD-SO-56394-CB-011410-033	A	"	"	"	"	A01
1001177-04 S-SO-56394-CB-011410-046	A	"	"	"	"	A01
1001177-05 S-SO-56394-CB-011410-041	C	Ma Scott	01-18-10 7:00 AM	01-18-10 4:00 PM	No	C01
1001177-06 S-VAS-56394-DR-011410-1013						
1001177-07 S-VAS-56394-DR-011410-1013						
1001177-08 SD-VAS-56394-DR-011310-1008						
1001177-09 SD-VAS-56394-DR-011310-1008						
1001177-10 S-VAS-56394-DR-011310-1008						
1001177-11 S-VAS-56394-DR-011310-1008						
1001177-12 S-SO-56394-DR-011310-1011	A	Ma Scott	01-18-10 7:00 AM	01-18-10 4:00 PM	No	A01
1001177-13 S-SO-56394-CB-011310-028	A	Ma Scott	01-18-10 7:00 AM	01-18-10 4:00 PM	No	A01
1001177-14 S-SO-56394-CB-011410-040	A	Ma Scott	01-18-10 7:00 AM	01-18-10 4:00 PM	No	A01

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-14-10 17:36**

Department: **Metals** Analysis: 30SOB Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001177-15 S-SO-56394-CB-011310-026	A	Ina Scott	01-18-10 7:00 AM	01-18-10 4:00 PM	Nd	A01

00035

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-14-10 17:36**

Department: **Metals** Analysis: ~~ICPMS 6020A~~ KW 2-4-10 ICP6010B

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001177-01 S-SS-56394-EV-011310-021	A01	Kari Vissers	1-18-10 4:00pm	1-21-10 2:15pm	no	
1001177-02 S-SO-56394-CB-011410-033	A01	↓ KW	↓ KW	↓ KW	↓ KW	
1001177-03 SD-SO-56394-CB-011410-033	A01	↓	↓	↓	↓	
1001177-04 S-SO-56394-CB-011410-046	A01	↓	↓	↓	↓	
1001177-05 S-SO-56394-CB-011410-041	C01	Kari Vissers	1-18-10 4:00pm	1-21-10 2:15pm	no	
1001177-06 S-VAS-56394-DR-011410-1013						
1001177-07 S-VAS-56394-DR-011410-1013						
1001177-08 SD-VAS-56394-DR-011310-1008						
1001177-09 SD-VAS-56394-DR-011310-1008						
1001177-10 S-VAS-56394-DR-011310-1008						
1001177-11 S-VAS-56394-DR-011310-1008						
1001177-12 S-SO-56394-DR-011310-1011	A01	Kari Vissers	1-18-10 4:00pm	1-21-10 2:15pm	no	
1001177-13 S-SO-56394-CB-011310-028	A01	↓ KW	↓ KW	↓ KW	↓ KW	
1001177-14 S-SO-56394-CB-011410-040	A01	Kari Vissers	1-18-10 4:00pm	1-21-10 2:15pm	no	

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-14-10 17:36**

Department: **Metals** Analysis: ~~ICPMS 6020A~~ KW 2-1-10 ICP 6010B

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001177-15 S-SO-56394-CB-011310-026	A01	Kurt Unsen	1-18-10 4:00pm	1-21-10 2:15pm	No	

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-14-10 17:36**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001177-01 S-SS-56394-EV-011310-021						
1001177-02 S-SO-56394-CB-011410-033						
1001177-03 SD-SO-56394-CB-011410-033						
1001177-04 S-SO-56394-CB-011410-046						
1001177-05 S-SO-56394-CB-011410-041						
1001177-06 S-VAS-56394-DR-011410-1013						
1001177-07 S-VAS-56394-DR-011410-1013	A	Ma Scott	01-18-10 7°° AM	01-18-10 4°° PM	NO	A01
1001177-08 SD-VAS-56394-DR-011310-1008						
1001177-09 SD-VAS-56394-DR-011310-1008	A	Ma Scott	01-18-10 7°° AM	01-18-10 4°° PM	NO	A01
1001177-10 S-VAS-56394-DR-011310-1008						
1001177-11 S-VAS-56394-DR-011310-1008	A	Ma Scott	01-18-10 7°° AM	01-18-10 4°° PM	NO	A01
1001177-12 S-SO-56394-DR-011310-1011						
1001177-13 S-SO-56394-CB-011310-028						
1001177-14 S-SO-56394-CB-011410-040						

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-14-10 17:36**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001177-01 S-SS-56394-EV-011310-021						
1001177-02 S-SO-56394-CB-011410-033						
1001177-03 SD-SO-56394-CB-011410-033						
1001177-04 S-SO-56394-CB-011410-046						
1001177-05 S-SO-56394-CB-011410-041						
1001177-06 S-VAS-56394-DR-011410-1013						
1001177-07 S-VAS-56394-DR-011410-1013	A01	Joanne Jay	1/18/10 4:00pm	1/19/10 3:10pm	No	
1001177-08 SD-VAS-56394-DR-011310-1008						
1001177-09 SD-VAS-56394-DR-011310-1008	A01	Joanne Jay	1/18/10 4:00pm	1/19/10 3:10pm	No	
1001177-10 S-VAS-56394-DR-011310-1008						
1001177-11 S-VAS-56394-DR-011310-1008	A01	Joanne Jay	1/18/10 4:00pm	1/19/10 3:10pm	No	
1001177-12 S-SO-56394-DR-011310-1011						
1001177-13 S-SO-56394-CB-011310-028						
1001177-14 S-SO-56394-CB-011410-040						

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-14-10 17:36**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001177-01 S-SS-56394-EV-011310-021						
1001177-02 S-SO-56394-CB-011410-033						
1001177-03 SD-SO-56394-CB-011410-033						
1001177-04 S-SO-56394-CB-011410-046						
1001177-05 S-SO-56394-CB-011410-041						
1001177-06 S-VAS-56394-DR-011410-1013	A	Ina Scott	01-18-10 7:00 am	01-18-10 4:00 pm	No	A01
1001177-07 S-VAS-56394-DR-011410-1013						
1001177-08 SD-VAS-56394-DR-011310-1008	A	Ina Scott	01-18-10 7:00 am	01-18-10 4:00 pm	No	A01
1001177-09 SD-VAS-56394-DR-011310-1008						
1001177-10 S-VAS-56394-DR-011310-1008	A	Ina Scott	01-18-10 7:00 am	01-18-10 4:00 pm	No	A01
1001177-11 S-VAS-56394-DR-011310-1008						
1001177-12 S-SO-56394-DR-011310-1011						
1001177-13 S-SO-56394-CB-011310-028						
1001177-14 S-SO-56394-CB-011410-040						

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-14-10 17:36**

Department: **Metals**

Analysis: ICP 6010B

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001177-01 S-SS-56394-EV-011310-021						
1001177-02 S-SO-56394-CB-011410-033						
1001177-03 SD-SO-56394-CB-011410-033						
1001177-04 S-SO-56394-CB-011410-046						
1001177-05 S-SO-56394-CB-011410-041						
1001177-06 S-VAS-56394-DR-011410-1013	A01	Joanne Joy	1/18/10 4:00pm	1/19/10 3:10pm	NO	
1001177-07 S-VAS-56394-DR-011410-1013						
1001177-08 SD-VAS-56394-DR-011310-1008	A01	Joanne Joy	1/18/10 4:00pm	1/19/10 3:10pm	NO	
1001177-09 SD-VAS-56394-DR-011310-1008						
1001177-10 S-VAS-56394-DR-011310-1008	A01	Joanne Joy	1/18/10 4:00pm	1/19/10 3:10pm	NO	
1001177-11 S-VAS-56394-DR-011310-1008						
1001177-12 S-SO-56394-DR-011310-1011						
1001177-13 S-SO-56394-CB-011310-028						
1001177-14 S-SO-56394-CB-011410-040						

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-14-10 17:36**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001177-01 S-SS-56394-EV-011310-021						
1001177-02 S-SO-56394-CB-011410-033						
1001177-03 SD-SO-56394-CB-011410-033						
1001177-04 S-SO-56394-CB-011410-046						
1001177-05 S-SO-56394-CB-011410-041						
1001177-06 S-VAS-56394-DR-011410-1013						
1001177-07 S-VAS-56394-DR-011410-1013	A	Ma Scott	01-18-10 7°° AM	01-18-10 4°° PM	No	A02
1001177-08 SD-VAS-56394-DR-011310-1008						
1001177-09 SD-VAS-56394-DR-011310-1008	A	Ma Scott	01-18-10 7°° AM	01-18-10 4°° PM	No	A02
1001177-10 S-VAS-56394-DR-011310-1008						
1001177-11 S-VAS-56394-DR-011310-1008	A	Ma Scott	01-18-10 7°° AM	01-18-10 4°° PM	NC	A02
1001177-12 S-SO-56394-DR-011310-1011						
1001177-13 S-SO-56394-CB-011310-028						
1001177-14 S-SO-56394-CB-011410-040						

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-14-10 17:36**

Department: **Metals**

Analysis: ICPMS 6020A Dissolved

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001177-01 S-SS-56394-EV-011310-021						
1001177-02 S-SO-56394-CB-011410-033						
1001177-03 SD-SO-56394-CB-011410-033						
1001177-04 S-SO-56394-CB-011410-046						
1001177-05 S-SO-56394-CB-011410-041						
1001177-06 S-VAS-56394-DR-011410-1013						
1001177-07 S-VAS-56394-DR-011410-1013	A02	[signature]	1/18/10 4:00pm	1/21/10 7:55pm	No	
~~**1001177-08**~~ SD-VAS-56394-DR-011310-1008		↑ mfm	↑ mfm	↑ mfm		
1001177-09 SD-VAS-56394-DR-011310-1008	A02				No	
~~**1001177-10**~~ S-VAS-56394-DR-011310-1008		↓	↓	↓		
1001177-11 S-VAS-56394-DR-011310-1008	A02	[signature]	1/18/10 4:00pm	1/21/10 7:55pm	No	
1001177-12 S-SO-56394-DR-011310-1011						
1001177-13 S-SO-56394-CB-011310-028						
1001177-14 S-SO-56394-CB-011410-040						

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-14-10 17:36**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001177-01 S-SS-56394-EV-011310-021	A		1-18-10 10:15AM	1-18-10 12:15pm	NO	A04
1001177-02 S-SO-56394-CB-011410-033						
1001177-03 SD-SO-56394-CB-011410-033	RDB	RDB	RDB	RDB	RDB	RDB
1001177-04 S-SO-56394-CB-011410-046						
1001177-05 S-SO-56394-CB-011410-041	A		1-18-10 10:15AM	1-18-10 12:15pm	NO	A04
1001177-06 S-VAS-56394-DR-011410-1013						
1001177-07 S-VAS-56394-DR-011410-1013						
1001177-08 SD-VAS-56394-DR-011310-1008						
1001177-09 SD-VAS-56394-DR-011310-1008						
1001177-10 S-VAS-56394-DR-011310-1008						
1001177-11 S-VAS-56394-DR-011310-1008						
1001177-12 S-SO-56394-DR-011310-1011	A		1-18-10 10:15AM	1-18-10 12:15pm	NO	A04
1001177-13 S-SO-56394-CB-011310-028	RDB	RDB	RDB	RDB	RDB	RDB
1001177-14 S-SO-56394-CB-011410-040	A		1-18-10 10:15AM	1-18-10 12:15pm	NO	A04

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-14-10 17:36**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001177-15 S-SO-56394-CB-011310-026	A		1-18-10 10:15am	1-18-10 12:15pm	no	A04

Internal Chain of Custody --- Work Order # **1001177**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-14-10 17:36**

Department: **Metals**

Analysis: ICPMS 6020A Sb

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001177-01 S-SS-56394-EV-011310-021	A04		1-18-10 12:15 PM	1-20-10 12:30 PM	No	
1001177-02 S-SO-56394-CB-011410-033	"	"	"	"	"	
1001177-03 SD-SO-56394-CB-011410-033	"	"	"	"	"	
1001177-04 S-SO-56394-CB-011410-046	"	"	"	"	"	
1001177-05 S-SO-56394-CB-011410-041	A04		1-18-10 12:15 PM	1-20-10 12:30 PM	No	
1001177-06 S-VAS-56394-DR-011410-1013						
1001177-07 S-VAS-56394-DR-011410-1013						
1001177-08 SD-VAS-56394-DR-011310-1008						
1001177-09 SD-VAS-56394-DR-011310-1008						
1001177-10 S-VAS-56394-DR-011310-1008						
1001177-11 S-VAS-56394-DR-011310-1008						
1001177-12 S-SO-56394-DR-011310-1011	A04		1-18-10 12:15 PM	1-20-10 12:30 PM	No	
1001177-13 S-SO-56394-CB-011310-028	A04	"	"	"	"	
1001177-14 S-SO-56394-CB-011410-040	A04		1-18-10 12:15 PM	1-20-10 12:30 PM	No	

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-14-10 17:36**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001177-15 S-SO-56394-CB-011310-026	A04		1-18-10 12:15 PM	1-20-10 12:30 PM	NO	

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-14-10 17:36**

Department: **Metals**

Analysis: 3020A Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001177-01 S-SS-56394-EV-011310-021						
1001177-02 S-SO-56394-CB-011410-033						
1001177-03 SD-SO-56394-CB-011410-033						
1001177-04 S-SO-56394-CB-011410-046						
1001177-05 S-SO-56394-CB-011410-041						
1001177-06 S-VAS-56394-DR-011410-1013	A	Ma Scott	01-18-10 7⁰⁰ AM	01-18-10 4⁰⁰ PM	NO	A02
1001177-07 S-VAS-56394-DR-011410-1013						
1001177-08 SD-VAS-56394-DR-011310-1008	A	Ma Scott	01-18-10 7⁰⁰ AM	01-18-10 4⁰⁰ PM	NO	A02
1001177-09 SD-VAS-56394-DR-011310-1008						
1001177-10 S-VAS-56394-DR-011310-1008	A	Ma Scott	01-18-10 7⁰⁰ AM	01-18-10 4⁰⁰ PM	NO	A02
1001177-11 S-VAS-56394-DR-011310-1008						
1001177-12 S-SO-56394-DR-011310-1011						
1001177-13 S-SO-56394-CB-011310-028						
1001177-14 S-SO-56394-CB-011410-040						

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-14-10 17:36**

Department: **Metals**

Analysis: ICPMS 6020A

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001177-01 S-SS-56394-EV-011310-021						
1001177-02 S-SO-56394-CB-011410-033						
1001177-03 SD-SO-56394-CB-011410-033						
1001177-04 S-SO-56394-CB-011410-046						
1001177-05 S-SO-56394-CB-011410-041						
1001177-06 S-VAS-56394-DR-011410-1013	A02	Melanie Simpson	1/18/10 4:00pm	1/21/10 7:55pm	No	
1001177-07 S-VAS-56394-DR-011410-1013		"	"	"		
1001177-08 SD-VAS-56394-DR-011310-1008	A02	"	"	"	No	
1001177-09 SD-VAS-56394-DR-011310-1008		"	"	"		
1001177-10 S-VAS-56394-DR-011310-1008	A02	Melanie Simpson	1/18/10 4:00pm	1/21/10 7:55pm	No	
1001177-11 S-VAS-56394-DR-011310-1008						
1001177-12 S-SO-56394-DR-011310-1011						
1001177-13 S-SO-56394-CB-011310-028						
1001177-14 S-SO-56394-CB-011410-040						

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-14-10 17:36**

Department: **Metals**

Analysis: 3050 B Digestion

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001177-01 S-SS-56394-EV-011310-021	A	Ma Scott	01-18-10 7:00 AM	01-18-10 4:00 PM	NO	Aoz
1001177-02 S-SO-56394-CB-011410-033	A	〃	〃	〃	〃	Aoz
1001177-03 SD-SO-56394-CB-011410-033	A	〃	〃	〃	〃	Aoz
1001177-04 S-SO-56394-CB-011410-046	A	〃	〃	〃	〃	Aoz
1001177-05 S-SO-56394-CB-011410-041	C	Ma Scott	01-18-10 7:00 AM	01-18-10 4:00 PM	NO	Coz
1001177-06 S-VAS-56394-DR-011410-1013						
1001177-07 S-VAS-56394-DR-011410-1013						
1001177-08 SD-VAS-56394-DR-011310-1008						
1001177-09 SD-VAS-56394-DR-011310-1008						
1001177-10 S-VAS-56394-DR-011310-1008						
1001177-11 S-VAS-56394-DR-011310-1008						
1001177-12 S-SO-56394-DR-011310-1011	A	Ma Scott	01-18-10 7:00 AM	01-18-10 4:00 PM	NO	Aoz
1001177-13 S-SO-56394-CB-011310-028	A	〃	〃	〃	NO	Aoz
1001177-14 S-SO-56394-CB-011410-040	A	Ma Scott	01-18-10 7:00 AM	01-18-10 4:00 PM	NO	Aoz

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-14-10 17:36**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001177-15 S-SO-56394-CB-011310-026	A	Ma Dod	01-18-10 7°C AM	01-18-10 4°C PM	NO	A02

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-14-10 17:36**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001177-01 S-SS-56394-EV-011310-021	A02	[signature]	1/18/10 4:00pm	1/25/10 4:15pm	No	
1001177-02 S-SO-56394-CB-011410-033	↓	↑	↑	↑	No	
1001177-03 SD-SO-56394-CB-011410-033	↓	↑	↑	↑	No	
1001177-04 S-SO-56394-CB-011410-046	A02	↓	↓	↓	No	
1001177-05 S-SO-56394-CB-011410-041	C02	[signature]	1/18/10 4:00pm	1/25/10 4:15pm	No	
1001177-06 S-VAS-56394-DR-011410-1013						
1001177-07 S-VAS-56394-DR-011410-1013						
1001177-08 SD-VAS-56394-DR-011310-1008						
1001177-09 SD-VAS-56394-DR-011310-1008						
1001177-10 S-VAS-56394-DR-011310-1008						
1001177-11 S-VAS-56394-DR-011310-1008						
1001177-12 S-SO-56394-DR-011310-1011	A02	[signature]	1/18/10 4:00pm	1/25/10 4:15pm	No	
1001177-13 S-SO-56394-CB-011310-028	A02	↑	↑	↑	No	
1001177-14 S-SO-56394-CB-011410-040	A02	[signature]	1/18/10 4:00pm	1/25/10 4:15pm	No	

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-14-10 17:36**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001177-15 S-SO-56394-CB-011310-026	A02	[signature]	1/19/10 4:00pm	1/25/10 4:15pm	No	

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-14-10 17:36**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001177-01 S-SS-56394-EV-011310-021	A	Ma Scott	01-20-10 1330 Pm	01-20-10 2000 Pm	NO	AOS
1001177-02 S-SO-56394-CB-011410-033	"	"	"	"	"	"
1001177-03 SD-SO-56394-CB-011410-033	"	"	"	"	"	"
1001177-04 S-SO-56394-CB-011410-046	"	"	"	"	"	"
1001177-05 S-SO-56394-CB-011410-041	A	Ma Scott	01-20-10 1330 Pm	01-20-10 2000 Pm	NO	AOS
1001177-06 S-VAS-56394-DR-011410-1013						
1001177-07 S-VAS-56394-DR-011410-1013						
1001177-08 SD-VAS-56394-DR-011310-1008						
1001177-09 SD-VAS-56394-DR-011310-1008						
1001177-10 S-VAS-56394-DR-011310-1008						
1001177-11 S-VAS-56394-DR-011310-1008						
1001177-12 S-SO-56394-DR-011310-1011	A	Ma Scott	01-20-10 1330 Pm	01-20-10 2000 Pm	No	AOS
1001177-13 S-SO-56394-CB-011310-028	A	Ma Scott	"	"	NO	AOS
1001177-14 S-SO-56394-CB-011410-040	A	Ma Scott	01-20-10 1330 Pm	01-20-10 2000 Pm	NO	AOS

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-14-10 17:36**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001177-15 S-SO-56394-CB-011310-026	AØ	Tina Scott	01-20-10 1:30 pm	01-20-10 2:00 pm	NO	AOS

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-14-10 17:36**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001177-01 S-SS-56394-EV-011310-021	AOS	Kari Vissers	1-20-10 2:00pm	1-20-10 4:30pm	yes	
1001177-02 S-SO-56394-CB-011410-033	"	"	"	"	"	
1001177-03 SD-SO-56394-CB-011410-033	"	"	"	"	"	
1001177-04 S-SO-56394-CB-011410-046	"	"	"	"	"	
1001177-05 S-SO-56394-CB-011410-041	AOS	Kari Vissers	1-20-10 2:00pm	1-20-10 4:30pm	yes	
1001177-06 S-VAS-56394-DR-011410-1013						
1001177-07 S-VAS-56394-DR-011410-1013						
1001177-08 SD-VAS-56394-DR-011310-1008						
1001177-09 SD-VAS-56394-DR-011310-1008						
1001177-10 S-VAS-56394-DR-011310-1008						
1001177-11 S-VAS-56394-DR-011310-1008						
1001177-12 S-SO-56394-DR-011310-1011	AOS	Kari Vissers	1-20-10 2:00pm	1-20-10 4:30pm	yes	
1001177-13 S-SO-56394-CB-011310-028	"	"	"	"	"	
1001177-14 S-SO-56394-CB-011410-040	AOS	Kari Vissers	1-20-10 2:00pm	1-20-10 4:30pm	yes	

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-14-10 17:36**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001177-15 S-SO-56394-CB-011310-026	AOS	Kari Vissers	1-20-10 2:00pm	1-20-10 4:30pm	yes	

15995

Internal Chain of Custody --- Work Order # **1001142**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-12-10 18:10**

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*
1001142-02 S-SO-56394-CB-011110-003	A	Melissa Blattner	Jan 14 2010	Jan 14 2010 - 14:00	No	
1001142-03 S-SS-56394-EV-011210-011	A	↓	13:00	↓	↓	
1001142-04 S-SO-56394-CB-011210-015	A	Melissa Blattner	Jan 14 2010 - 13:00	Jan 14 2010 14:00	No	

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-14-10 17:36**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001177-01 S-SS-56394-EV-011310-021	A	[signature]	Jan 18-10	Jan 18 09:00AM	NO	
1001177-02 S-SO-56394-CB-011410-033			8:00Am			
1001177-03 SD-SO-56394-CB-011410-033	MJB					
1001177-04 S-SO-56394-CB-011410-046		MJB	MJB	MJB	MJB	
1001177-05 S-SO-56394-CB-011410-041						
1001177-12 S-SO-56394-DR-011310-1011						
1001177-13 S-SO-56394-CB-011310-028						
1001177-14 S-SO-56394-CB-011410-040			8:00am			
1001177-15 S-SO-56394-CB-011310-026	A	[signature]	Jan 18-10	Jan 19-10 9:00am	NO	

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-12-10 18:10**

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*
1001142-02 S-SO-56394-CB-011110-003	A	Lucy M. Harvey	01/18/10 7:00am	01/18/10 7:30am	NO	AQ3
1001142-03 S-SS-56394-EV-011210-011	A	"	"	"	"	"
1001142-04 S-SO-56394-CB-011210-015	A	Lucy M. Harvey	01/18/10 7:00am	01/18/10 7:30pm	NO	AQ3

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-12-10 18:10**

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*
1001142-02 S-SO-56394-CB-011110-003	A03	Lucy MA Harvey	01/19/10 10:00am	01/19/10 1:15pm	NO	–
1001142-03 S-SS-56394-EV-011210-011	"	"	"	"	"	–
1001142-04 S-SO-56394-CB-011210-015	A03	Lucy MA Harvey	01/19/10 10:00am	01/19/10 1:15pm	NO	–

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-14-10 17:36**

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*
1001177-01 S-SS-56394-EV-011310-021	A	Lucy M Ashley	01/18/10 7:00am	01/18/10 7:30am	NO	A03
1001177-02 S-SO-56394-CB-011410-033	A	"	"	"	"	A03
1001177-03 SD-SO-56394-CB-011410-033	A	"	"	"	"	A03
1001177-04 S-SO-56394-CB-011410-046	A	"	"	"	"	A03
1001177-05 S-SO-56394-CB-011410-041	A	"	"	"	"	A03
1001177-12 S-SO-56394-DR-011310-1011	A	"	"	"	"	A03
1001177-13 S-SO-56394-CB-011310-028	A	"	"	"	"	A03
1001177-14 S-SO-56394-CB-011410-040	A	"	"	"	"	A03
1001177-15 S-SO-56394-CB-011310-026	A	Lucy M Ashley	01/18/10 7:00am	01/18/10 7:30am	NO	A03

Internal Chain of Custody --- Work Order # **1001177**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Jan-14-10 17:36**

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*
1001177-01 S-SS-56394-EV-011310-021	A03	Lucy M Harvey	01/19/10 10:00am	01/19/10 1:15pm	No	—
1001177-02 S-SO-56394-CB-011410-033						—
1001177-03 SD-SO-56394-CB-011410-033						—
1001177-04 S-SO-56394-CB-011410-046						—
1001177-05 S-SO-56394-CB-011410-041	"	"	"	"	"	—
1001177-12 S-SO-56394-DR-011310-1011						—
1001177-13 S-SO-56394-CB-011310-028						—
1001177-14 S-SO-56394-CB-011410-040						—
1001177-15 S-SO-56394-CB-011310-026	A03	Lucy M Harvey	01/19/10 10:00am	01/19/10 1:15pm	No	—

59606

SECTION - C

INORGANIC - METALS

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

TriMatrix Laboratories, Inc.

SulTRAC

Project: Plainwell Mill

SDG: PM011110

USEPA-6010B

00065

SAMPLE ID SUMMARY

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110

Client: SulTRAC

Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-VAS-56394-DR-011110-1001	1001142-01
S-SO-56394-CB-011110-003	1001142-02
S-SS-56394-EV-011210-011	1001142-03
S-SO-56394-CB-011210-015	1001142-04
S-SS-56394-EV-011310-021	1001177-01
S-SO-56394-CB-011410-033	1001177-02
SD-SO-56394-CB-011410-033	1001177-03
S-SO-56394-CB-011410-046	1001177-04
S-SO-56394-CB-011410-041	1001177-05
S-VAS-56394-DR-011410-1013	1001177-06
S-VAS-56394-DR-011410-1013	1001177-07
SD-VAS-56394-DR-011310-1008	1001177-08
SD-VAS-56394-DR-011310-1008	1001177-09
S-VAS-56394-DR-011310-1008	1001177-10
S-VAS-56394-DR-011310-1008	1001177-11
S-SO-56394-DR-011310-1011	1001177-12
S-SO-56394-CB-011310-028	1001177-13
S-SO-56394-CB-011410-040	1001177-14
S-SO-56394-CB-011310-026	1001177-15

00055

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-VAS-56394-DR-011110-1001

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 01/11/10 16:45
Solids: 0.00
Laboratory ID: 1001142-01

SDG: PM011110
Project: Plainwell Mill
Preparation: 3010A Digestion
Prepared: 01/18/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1000383

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	50	ug/L	1	50	24	U	01/19/10 13:26
7440-39-3	Barium, Total	120	ug/L	1	10	1.8		01/19/10 13:26
7439-89-6	Iron, Total	6800	ug/L	1	20	8.0		01/19/10 13:26
7439-95-4	Magnesium, Total	25	mg/L	1	0.50	0.044		01/19/10 13:26
7439-96-5	Manganese, Total	1800	ug/L	1	20	2.4		01/19/10 13:26
7440-02-0	Nickel, Total	5.8	ug/L	1	10	4.2	J	01/19/10 13:26
7440-23-5	Sodium, Total	46	mg/L	1	0.50	0.082		01/19/10 13:26

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-VAS-56394-DR-011110-1001

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 01/11/10 16:45
Solids: 0.00
Laboratory ID: 1001142-01

SDG: PM011110
Project: Plainwell Mill
Preparation: General Metals Prep
Prepared: 01/18/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1000384

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Dissolved	50	ug/L	1	50	24	U	01/19/10 14:15
7440-39-3	Barium, Dissolved	110	ug/L	1	10	1.8		01/19/10 14:15
7439-89-6	Iron, Dissolved	6800	ug/L	1	20	8.0		01/19/10 14:15
7439-95-4	Magnesium, Dissolved	25	mg/L	1	0.50	0.044		01/19/10 14:15
7439-96-5	Manganese, Dissolved	1700	ug/L	1	20	2.4		01/19/10 14:15
7440-02-0	Nickel, Dissolved	10	ug/L	1	10	4.2	U	01/19/10 14:15
7440-23-5	Sodium, Dissolved	46	mg/L	1	0.50	0.082		01/19/10 14:15

00068

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011110-003

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/11/10 15:35
Solids: 86.34
Laboratory ID: 1001142-02

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 07:00
Initial/Final: 0.5466 g / 50 mL
QC Batch: 1000389

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	9200	mg/kg dry wt.	1	9.1	1.7		01/21/10 10:40
7440-39-3	Barium, Total	160	mg/kg dry wt.	1	0.91	0.26		01/21/10 10:40
7439-89-6	Iron, Total	12000	mg/kg dry wt.	1	4.6	0.43		01/21/10 10:40
7439-95-4	Magnesium, Total	9000	mg/kg dry wt.	1	46	4.0		01/21/10 10:40
7439-96-5	Manganese, Total	560	mg/kg dry wt.	1	0.91	0.19		01/21/10 10:40
7440-02-0	Nickel, Total	21	mg/kg dry wt.	1	0.91	0.74		01/21/10 10:40
7440-23-5	Sodium, Total	310	mg/kg dry wt.	1	46	4.9		01/21/10 10:40

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SS-56394-EV-011210-011

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/12/10 11:20
Solids: 84.77
Laboratory ID: 1001142-03

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 07:00
Initial/Final: 0.5415 g / 50 mL
QC Batch: 1000389

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	7800	mg/kg dry wt.	1	9.2	1.7		01/21/10 10:43
7440-39-3	Barium, Total	140	mg/kg dry wt.	1	0.92	0.26		01/21/10 10:43
7439-89-6	Iron, Total	14000	mg/kg dry wt.	1	4.6	0.43		01/21/10 10:43
7439-95-4	Magnesium, Total	1200	mg/kg dry wt.	1	46	4.1		01/21/10 10:43
7439-96-5	Manganese, Total	1500	mg/kg dry wt.	1	0.92	0.20		01/21/10 10:43
7440-02-0	Nickel, Total	11	mg/kg dry wt.	1	0.92	0.74		01/21/10 10:43
7440-23-5	Sodium, Total	18	mg/kg dry wt.	1	46	5.0	J	01/21/10 10:43

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011210-015

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/12/10 16:00
Solids: 53.28
Laboratory ID: 1001142-04

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 07:00
Initial/Final: 0.5015 g / 50 mL
QC Batch: 1000389

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		01/21/10 10:47
7440-39-3	Barium, Total	160	mg/kg dry wt.	1	1.0	0.28		01/21/10 10:47
7439-89-6	Iron, Total	17000	mg/kg dry wt.	1	5.0	0.47		01/21/10 10:47
7439-95-4	Magnesium, Total	6500	mg/kg dry wt.	1	50	4.4		01/21/10 10:47
7439-96-5	Manganese, Total	930	mg/kg dry wt.	1	1.0	0.21		01/21/10 10:47
7440-02-0	Nickel, Total	13	mg/kg dry wt.	1	1.0	0.81		01/21/10 10:47
7440-23-5	Sodium, Total	120	mg/kg dry wt.	1	50	5.4		01/21/10 10:47

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SS-56394-EV-011310-021

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 11:35
Solids: 91.44
Laboratory ID: 1001177-01

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 07:00
Initial/Final: 0.5059 g / 50 mL
QC Batch: 1000389

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		01/21/10 10:50
7440-39-3	Barium, Total	36	mg/kg dry wt.	1	1.0	0.28		01/21/10 10:50
7439-89-6	Iron, Total	7400	mg/kg dry wt.	1	5.0	0.47		01/21/10 10:50
7439-95-4	Magnesium, Total	810	mg/kg dry wt.	1	50	4.4		01/21/10 10:50
7439-96-5	Manganese, Total	650	mg/kg dry wt.	1	1.0	0.21		01/21/10 10:50
7440-02-0	Nickel, Total	6.9	mg/kg dry wt.	1	1.0	0.81		01/21/10 10:50
7440-23-5	Sodium, Total	7.1	mg/kg dry wt.	1	50	5.4	J	01/21/10 10:50

00072

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011410-033

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 09:05
Solids: 92.58
Laboratory ID: 1001177-02

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 07:00
Initial/Final: 0.507 g / 50 mL
QC Batch: 1000389

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	6800	mg/kg dry wt.	1	10	1.8		01/21/10 10:54
7440-39-3	Barium, Total	69	mg/kg dry wt.	1	1.0	0.28		01/21/10 10:54
7439-89-6	Iron, Total	10000	mg/kg dry wt.	1	5.0	0.47		01/21/10 10:54
7439-95-4	Magnesium, Total	2100	mg/kg dry wt.	1	50	4.4		01/21/10 10:54
7439-96-5	Manganese, Total	780	mg/kg dry wt.	1	1.0	0.21		01/21/10 10:54
7440-02-0	Nickel, Total	11	mg/kg dry wt.	1	1.0	0.81		01/21/10 10:54
7440-23-5	Sodium, Total	29	mg/kg dry wt.	1	50	5.4	J	01/21/10 10:54

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

SD-SO-56394-CB-011410-033

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 09:07
Solids: 92.64
Laboratory ID: 1001177-03

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 07:00
Initial/Final: 0.5055 g / 50 mL
QC Batch: 1000389

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	7600	mg/kg dry wt.	1	10	1.8		01/21/10 10:57
7440-39-3	Barium, Total	82	mg/kg dry wt.	1	1.0	0.28		01/21/10 10:57
7439-89-6	Iron, Total	12000	mg/kg dry wt.	1	5.0	0.47		01/21/10 10:57
7439-95-4	Magnesium, Total	2300	mg/kg dry wt.	1	50	4.4		01/21/10 10:57
7439-96-5	Manganese, Total	900	mg/kg dry wt.	1	1.0	0.21		01/21/10 10:57
7440-02-0	Nickel, Total	12	mg/kg dry wt.	1	1.0	0.81		01/21/10 10:57
7440-23-5	Sodium, Total	27	mg/kg dry wt.	1	50	5.4	J	01/21/10 10:57

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011410-046

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 12:25
Solids: 95.49
Laboratory ID: 1001177-04

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 07:00
Initial/Final: 0.507 g / 50 mL
QC Batch: 1000389

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		01/21/10 11:01
7440-39-3	Barium, Total	14	mg/kg dry wt.	1	1.0	0.28		01/21/10 11:01
7439-89-6	Iron, Total	9600	mg/kg dry wt.	1	5.0	0.47		01/21/10 11:01
7439-95-4	Magnesium, Total	33000	mg/kg dry wt.	1	50	4.4		01/21/10 11:01
7439-96-5	Manganese, Total	420	mg/kg dry wt.	1	1.0	0.21		01/21/10 11:01
7440-02-0	Nickel, Total	14	mg/kg dry wt.	1	1.0	0.81		01/21/10 11:01
7440-23-5	Sodium, Total	110	mg/kg dry wt.	1	50	5.4		01/21/10 11:01

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 11:20
Solids: 91.25
Laboratory ID: 1001177-05

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 07:00
Initial/Final: 0.5028 g / 50 mL
QC Batch: 1000389

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	5800	mg/kg dry wt.	10	100	18		01/21/10 12:00
7440-39-3	Barium, Total	91	mg/kg dry wt.	1	1.0	0.28		01/21/10 11:04
7439-89-6	Iron, Total	12000	mg/kg dry wt.	200	1000	94		01/21/10 11:50
7439-95-4	Magnesium, Total	2900	mg/kg dry wt.	1	50	4.4		01/21/10 11:04
7439-96-5	Manganese, Total	550	mg/kg dry wt.	10	10	2.1		01/21/10 12:00
7440-02-0	Nickel, Total	14	mg/kg dry wt.	1	1.0	0.81		01/21/10 11:04
7440-23-5	Sodium, Total	68	mg/kg dry wt.	1	50	5.4		01/21/10 11:04

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-VAS-56394-DR-011410-1013

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 01/14/10 08:45
Solids: 0.00
Laboratory ID: 1001177-06

SDG: PM011110
Project: Plainwell Mill
Preparation: 3010A Digestion
Prepared: 01/18/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1000383

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	2000	ug/L	1	50	24		01/19/10 13:30
7440-39-3	Barium, Total	110	ug/L	1	10	1.8		01/19/10 13:30
7439-89-6	Iron, Total	10000	ug/L	1	20	8.0		01/19/10 13:30
7439-95-4	Magnesium, Total	40	mg/L	1	0.50	0.044		01/19/10 13:30
7439-96-5	Manganese, Total	870	ug/L	1	20	2.4		01/19/10 13:30
7440-02-0	Nickel, Total	7.1	ug/L	1	10	4.2	J	01/19/10 13:30
7440-23-5	Sodium, Total	30	mg/L	1	0.50	0.082		01/19/10 13:30

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-VAS-56394-DR-011410-1013

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 01/14/10 08:45
Solids: 0.00
Laboratory ID: 1001177-07

SDG: PM011110
Project: Plainwell Mill
Preparation: General Metals Prep
Prepared: 01/18/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1000384

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Dissolved	50	ug/L	1	50	24	U	01/19/10 14:19
7440-39-3	Barium, Dissolved	73	ug/L	1	10	1.8		01/19/10 14:19
7439-89-6	Iron, Dissolved	56	ug/L	1	20	8.0		01/19/10 14:19
7439-95-4	Magnesium, Dissolved	21	mg/L	1	0.50	0.044		01/19/10 14:19
7439-96-5	Manganese, Dissolved	510	ug/L	1	20	2.4		01/19/10 14:19
7440-02-0	Nickel, Dissolved	10	ug/L	1	10	4.2	U	01/19/10 14:19
7440-23-5	Sodium, Dissolved	28	mg/L	1	0.50	0.082		01/19/10 14:19

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

SD-VAS-56394-DR-011310-1008

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 01/13/10 10:10
Solids: 0.00
Laboratory ID: 1001177-08

SDG: PM011110
Project: Plainwell Mill
Preparation: 3010A Digestion
Prepared: 01/18/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1000383

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	8400	ug/L	1	50	24		01/19/10 13:48
7440-39-3	Barium, Total	210	ug/L	1	10	1.8		01/19/10 13:48
7439-89-6	Iron, Total	43000	ug/L	1	20	8.0		01/19/10 13:48
7439-95-4	Magnesium, Total	60	mg/L	1	0.50	0.044		01/19/10 13:48
7439-96-5	Manganese, Total	2200	ug/L	1	20	2.4		01/19/10 13:48
7440-02-0	Nickel, Total	49	ug/L	1	10	4.2		01/19/10 13:48
7440-23-5	Sodium, Total	68	mg/L	1	0.50	0.082		01/19/10 13:48

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

SD-VAS-56394-DR-011310-1008

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 01/13/10 10:10
Solids: 0.00
Laboratory ID: 1001177-09

SDG: PM011110
Project: Plainwell Mill
Preparation: General Metals Prep
Prepared: 01/18/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1000384

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Dissolved	540	ug/L	1	50	24		01/19/10 14:39
7440-39-3	Barium, Dissolved	100	ug/L	1	10	1.8		01/19/10 14:39
7439-89-6	Iron, Dissolved	4300	ug/L	1	20	8.0		01/19/10 14:39
7439-95-4	Magnesium, Dissolved	26	mg/L	1	0.50	0.044		01/19/10 14:39
7439-96-5	Manganese, Dissolved	740	ug/L	1	20	2.4		01/19/10 14:39
7440-02-0	Nickel, Dissolved	5.6	ug/L	1	10	4.2	J	01/19/10 14:39
7440-23-5	Sodium, Dissolved	60	mg/L	1	0.50	0.082		01/19/10 14:39

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-VAS-56394-DR-011310-1008

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 01/13/10 10:10
Solids: 0.00
Laboratory ID: 1001177-10

SDG: PM011110
Project: Plainwell Mill
Preparation: 3010A Digestion
Prepared: 01/18/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1000383

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	9300	ug/L	1	50	24		01/19/10 13:54
7440-39-3	Barium, Total	220	ug/L	1	10	1.8		01/19/10 13:54
7439-89-6	Iron, Total	48000	ug/L	1	20	8.0		01/19/10 13:54
7439-95-4	Magnesium, Total	61	mg/L	1	0.50	0.044		01/19/10 13:54
7439-96-5	Manganese, Total	2300	ug/L	1	20	2.4		01/19/10 13:54
7440-02-0	Nickel, Total	56	ug/L	1	10	4.2		01/19/10 13:54
7440-23-5	Sodium, Total	66	mg/L	1	0.50	0.082		01/19/10 13:54

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-VAS-56394-DR-011310-1008

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 01/13/10 10:10
Solids: 0.00
Laboratory ID: 1001177-11

SDG: PM011110
Project: Plainwell Mill
Preparation: General Metals Prep
Prepared: 01/18/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1000384

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Dissolved	400	ug/L	1	50	24		01/19/10 14:43
7440-39-3	Barium, Dissolved	110	ug/L	1	10	1.8		01/19/10 14:43
7439-89-6	Iron, Dissolved	3700	ug/L	1	20	8.0		01/19/10 14:43
7439-95-4	Magnesium, Dissolved	27	mg/L	1	0.50	0.044		01/19/10 14:43
7439-96-5	Manganese, Dissolved	720	ug/L	1	20	2.4		01/19/10 14:43
7440-02-0	Nickel, Dissolved	10	ug/L	1	10	4.2	U	01/19/10 14:43
7440-23-5	Sodium, Dissolved	64	mg/L	1	0.50	0.082		01/19/10 14:43

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-DR-011310-1011

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 13:25
Solids: 52.11
Laboratory ID: 1001177-12

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 07:00
Initial/Final: 0.5292 g / 50 mL
QC Batch: 1000389

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	11000	mg/kg dry wt.	1	10	1.8		01/21/10 11:28
7440-39-3	Barium, Total	110	mg/kg dry wt.	1	1.0	0.28		01/21/10 11:28
7439-89-6	Iron, Total	3400	mg/kg dry wt.	1	5.0	0.47		01/21/10 11:28
7439-95-4	Magnesium, Total	830	mg/kg dry wt.	1	50	4.4		01/21/10 11:28
7439-96-5	Manganese, Total	19	mg/kg dry wt.	1	1.0	0.21		01/21/10 11:28
7440-02-0	Nickel, Total	9.2	mg/kg dry wt.	1	1.0	0.81		01/21/10 11:28
7440-23-5	Sodium, Total	53	mg/kg dry wt.	1	50	5.4		01/21/10 11:28

00083

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011310-028

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 16:30
Solids: 87.35
Laboratory ID: 1001177-13

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 07:00
Initial/Final: 0.501 g / 50 mL
QC Batch: 1000389

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		01/21/10 11:32
7440-39-3	Barium, Total	150	mg/kg dry wt.	1	1.0	0.28		01/21/10 11:32
7439-89-6	Iron, Total	14000	mg/kg dry wt.	1	5.0	0.47		01/21/10 11:32
7439-95-4	Magnesium, Total	4200	mg/kg dry wt.	1	50	4.4		01/21/10 11:32
7439-96-5	Manganese, Total	560	mg/kg dry wt.	1	1.0	0.21		01/21/10 11:32
7440-02-0	Nickel, Total	17	mg/kg dry wt.	1	1.0	0.81		01/21/10 11:32
7440-23-5	Sodium, Total	100	mg/kg dry wt.	1	50	5.4		01/21/10 11:32

00084

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011410-040

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 10:25
Solids: 96.27
Laboratory ID: 1001177-14

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 07:00
Initial/Final: 0.5327 g / 50 mL
QC Batch: 1000389

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	3600	mg/kg dry wt.	1	9.4	1.7		01/21/10 11:36
7440-39-3	Barium, Total	13	mg/kg dry wt.	1	0.94	0.27		01/21/10 11:36
7439-89-6	Iron, Total	10000	mg/kg dry wt.	1	4.7	0.44		01/21/10 11:36
7439-95-4	Magnesium, Total	34000	mg/kg dry wt.	1	47	4.1		01/21/10 11:36
7439-96-5	Manganese, Total	450	mg/kg dry wt.	1	0.94	0.20		01/21/10 11:36
7440-02-0	Nickel, Total	15	mg/kg dry wt.	1	0.94	0.76		01/21/10 11:36
7440-23-5	Sodium, Total	150	mg/kg dry wt.	1	47	5.0		01/21/10 11:36

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011310-026

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 15:20
Solids: 93.43
Laboratory ID: 1001177-15

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 07:00
Initial/Final: 0.5023 g / 50 mL
QC Batch: 1000389

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	3200	mg/kg dry wt.	1	10	1.8		01/21/10 11:39
7440-39-3	Barium, Total	15	mg/kg dry wt.	1	1.0	0.28		01/21/10 11:39
7439-89-6	Iron, Total	16000	mg/kg dry wt.	1	5.0	0.47		01/21/10 11:39
7439-95-4	Magnesium, Total	31000	mg/kg dry wt.	1	50	4.4		01/21/10 11:39
7439-96-5	Manganese, Total	510	mg/kg dry wt.	1	1.0	0.21		01/21/10 11:39
7440-02-0	Nickel, Total	15	mg/kg dry wt.	1	1.0	0.81		01/21/10 11:39
7440-23-5	Sodium, Total	97	mg/kg dry wt.	1	50	5.4		01/21/10 11:39

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A19026

SDG: PM011110
Project: Plainwell Mill
Instrument: 311
Calibration: 0A20004

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0A19026-CAL1	0A19026-001	01/19/10 12:14
Cal Standard	0A19026-CAL2	0A19026-002	01/19/10 12:18
Cal Standard	0A19026-CAL3	0A19026-003	01/19/10 12:22
Cal Standard	0A19026-CAL4	0A19026-004	01/19/10 12:26
Cal Standard	0A19026-CAL5	0A19026-005	01/19/10 12:30
Secondary Cal Check	0A19026-SCV1	0A19026-006	01/19/10 12:34
Calibration Check	0A19026-CCV1	0A19026-006	01/19/10 12:34
Calibration Blank	0A19026-CCB1	0A19026-007	01/19/10 12:38
MRL Check	0A19026-CRL1	0A19026-008	01/19/10 12:42
Interference Check A	0A19026-IFA1	0A19026-009	01/19/10 12:46
Interference Check A	0A19026-IFA2	0A19026-010	01/19/10 12:52
Interference Check B	0A19026-IFB1	0A19026-011	01/19/10 12:58
Interference Check B	0A19026-IFB2	0A19026-012	01/19/10 13:04
Calibration Check	0A19026-CCV2	0A19026-013	01/19/10 13:10
Calibration Blank	0A19026-CCB2	0A19026-014	01/19/10 13:14
Blank	1000383-BLK1	0A19026-015	01/19/10 13:18
LCS	1000383-BS1	0A19026-016	01/19/10 13:22
S-VAS-56394-DR-011110-1001	1001142-01	0A19026-017	01/19/10 13:26
S-VAS-56394-DR-011110-1001	1001142-01	0A19026-017	01/19/10 13:26
S-VAS-56394-DR-011110-1001	1001142-01	0A19026-017	01/19/10 13:26
S-VAS-56394-DR-011110-1001	1001142-01	0A19026-017	01/19/10 13:26
S-VAS-56394-DR-011110-1001	1001142-01	0A19026-017	01/19/10 13:26
S-VAS-56394-DR-011110-1001	1001142-01	0A19026-017	01/19/10 13:26
S-VAS-56394-DR-011110-1001	1001142-01	0A19026-017	01/19/10 13:26
S-VAS-56394-DR-011410-1013	1001177-06	0A19026-018	01/19/10 13:30
S-VAS-56394-DR-011410-1013	1001177-06	0A19026-018	01/19/10 13:30
S-VAS-56394-DR-011410-1013	1001177-06	0A19026-018	01/19/10 13:30
S-VAS-56394-DR-011410-1013	1001177-06	0A19026-018	01/19/10 13:30
S-VAS-56394-DR-011410-1013	1001177-06	0A19026-018	01/19/10 13:30
S-VAS-56394-DR-011410-1013	1001177-06	0A19026-018	01/19/10 13:30
S-VAS-56394-DR-011410-1013	1001177-06	0A19026-018	01/19/10 13:30
S-VAS-56394-DR-011410-1013	1000383-MS1	0A19026-019	01/19/10 13:34

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A19026

SDG: PM011110
Project: Plainwell Mill
Instrument: 311
Calibration: 0A20004

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-VAS-56394-DR-011410-1013	1000383-MSD1	0A19026-020	01/19/10 13:37
S-VAS-56394-DR-011410-1013	0A19026-SRD1	0A19026-021	01/19/10 13:41
S-VAS-56394-DR-011410-1013	1000383-PS1	0A19026-022	01/19/10 13:45
SD-VAS-56394-DR-011310-100	1001177-08	0A19026-023	01/19/10 13:48
SD-VAS-56394-DR-011310-100	1001177-08	0A19026-023	01/19/10 13:48
SD-VAS-56394-DR-011310-100	1001177-08	0A19026-023	01/19/10 13:48
SD-VAS-56394-DR-011310-100	1001177-08	0A19026-023	01/19/10 13:48
SD-VAS-56394-DR-011310-100	1001177-08	0A19026-023	01/19/10 13:48
SD-VAS-56394-DR-011310-100	1001177-08	0A19026-023	01/19/10 13:48
SD-VAS-56394-DR-011310-100	1001177-08	0A19026-023	01/19/10 13:48
S-VAS-56394-DR-011310-1008	1001177-10	0A19026-024	01/19/10 13:54
S-VAS-56394-DR-011310-1008	1001177-10	0A19026-024	01/19/10 13:54
S-VAS-56394-DR-011310-1008	1001177-10	0A19026-024	01/19/10 13:54
S-VAS-56394-DR-011310-1008	1001177-10	0A19026-024	01/19/10 13:54
S-VAS-56394-DR-011310-1008	1001177-10	0A19026-024	01/19/10 13:54
S-VAS-56394-DR-011310-1008	1001177-10	0A19026-024	01/19/10 13:54
S-VAS-56394-DR-011310-1008	1001177-10	0A19026-024	01/19/10 13:54
Calibration Check	0A19026-CCV3	0A19026-025	01/19/10 13:59
Calibration Blank	0A19026-CCB3	0A19026-026	01/19/10 14:03
Blank	1000384-BLK1	0A19026-027	01/19/10 14:07
LCS	1000384-BS1	0A19026-028	01/19/10 14:11
S-VAS-56394-DR-011110-1001	1001142-01	0A19026-029	01/19/10 14:15
S-VAS-56394-DR-011110-1001	1001142-01	0A19026-029	01/19/10 14:15
S-VAS-56394-DR-011110-1001	1001142-01	0A19026-029	01/19/10 14:15
S-VAS-56394-DR-011110-1001	1001142-01	0A19026-029	01/19/10 14:15
S-VAS-56394-DR-011110-1001	1001142-01	0A19026-029	01/19/10 14:15
S-VAS-56394-DR-011110-1001	1001142-01	0A19026-029	01/19/10 14:15
S-VAS-56394-DR-011110-1001	1001142-01	0A19026-029	01/19/10 14:15
S-VAS-56394-DR-011410-1013	1001177-07	0A19026-030	01/19/10 14:19
S-VAS-56394-DR-011410-1013	1001177-07	0A19026-030	01/19/10 14:19
S-VAS-56394-DR-011410-1013	1001177-07	0A19026-030	01/19/10 14:19
S-VAS-56394-DR-011410-1013	1001177-07	0A19026-030	01/19/10 14:19

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A19026

SDG: PM011110
Project: Plainwell Mill
Instrument: 311
Calibration: 0A20004

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-VAS-56394-DR-011410-1013	1001177-07	0A19026-030	01/19/10 14:19
S-VAS-56394-DR-011410-1013	1001177-07	0A19026-030	01/19/10 14:19
S-VAS-56394-DR-011410-1013	1001177-07	0A19026-030	01/19/10 14:19
S-VAS-56394-DR-011410-1013	1000384-MS1	0A19026-031	01/19/10 14:23
S-VAS-56394-DR-011410-1013	1000384-MSD1	0A19026-032	01/19/10 14:27
S-VAS-56394-DR-011410-1013	0A19026-SRD2	0A19026-033	01/19/10 14:31
S-VAS-56394-DR-011410-1013	1000384-PS1	0A19026-034	01/19/10 14:35
SD-VAS-56394-DR-011310-100	1001177-09	0A19026-035	01/19/10 14:39
SD-VAS-56394-DR-011310-100	1001177-09	0A19026-035	01/19/10 14:39
SD-VAS-56394-DR-011310-100	1001177-09	0A19026-035	01/19/10 14:39
SD-VAS-56394-DR-011310-100	1001177-09	0A19026-035	01/19/10 14:39
SD-VAS-56394-DR-011310-100	1001177-09	0A19026-035	01/19/10 14:39
SD-VAS-56394-DR-011310-100	1001177-09	0A19026-035	01/19/10 14:39
SD-VAS-56394-DR-011310-100	1001177-09	0A19026-035	01/19/10 14:39
S-VAS-56394-DR-011310-1008	1001177-11	0A19026-036	01/19/10 14:43
S-VAS-56394-DR-011310-1008	1001177-11	0A19026-036	01/19/10 14:43
S-VAS-56394-DR-011310-1008	1001177-11	0A19026-036	01/19/10 14:43
S-VAS-56394-DR-011310-1008	1001177-11	0A19026-036	01/19/10 14:43
S-VAS-56394-DR-011310-1008	1001177-11	0A19026-036	01/19/10 14:43
S-VAS-56394-DR-011310-1008	1001177-11	0A19026-036	01/19/10 14:43
S-VAS-56394-DR-011310-1008	1001177-11	0A19026-036	01/19/10 14:43
Calibration Check	0A19026-CCV4	0A19026-037	01/19/10 14:47
Calibration Blank	0A19026-CCB4	0A19026-038	01/19/10 14:50

00089

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A21015

SDG: PM011110
Project: Plainwell Mill
Instrument: 101
Calibration: 0A21008

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0A21015-CAL1	0A21015-002	01/21/10 09:46
Cal Standard	0A21015-CAL2	0A21015-003	01/21/10 09:50
Cal Standard	0A21015-CAL3	0A21015-004	01/21/10 09:53
Cal Standard	0A21015-CAL4	0A21015-005	01/21/10 09:56
Cal Standard	0A21015-CAL5	0A21015-006	01/21/10 10:00
Secondary Cal Check	0A21015-SCV1	0A21015-007	01/21/10 10:03
Calibration Check	0A21015-CCV1	0A21015-007	01/21/10 10:03
Calibration Blank	0A21015-CCB1	0A21015-008	01/21/10 10:06
MRL Check	0A21015-CRL1	0A21015-009	01/21/10 10:09
Interference Check A	0A21015-IFA1	0A21015-010	01/21/10 10:13
Interference Check A	0A21015-IFA2	0A21015-011	01/21/10 10:16
Interference Check B	0A21015-IFB1	0A21015-012	01/21/10 10:20
Interference Check B	0A21015-IFB2	0A21015-013	01/21/10 10:23
Calibration Check	0A21015-CCV2	0A21015-014	01/21/10 10:27
Calibration Blank	0A21015-CCB2	0A21015-015	01/21/10 10:30
Blank	1000389-BLK1	0A21015-016	01/21/10 10:33
LCS	1000389-BS1	0A21015-017	01/21/10 10:36
S-SO-56394-CB-011110-003	1001142-02	0A21015-018	01/21/10 10:40
S-SO-56394-CB-011110-003	1001142-02	0A21015-018	01/21/10 10:40
S-SO-56394-CB-011110-003	1001142-02	0A21015-018	01/21/10 10:40
S-SO-56394-CB-011110-003	1001142-02	0A21015-018	01/21/10 10:40
S-SO-56394-CB-011110-003	1001142-02	0A21015-018	01/21/10 10:40
S-SO-56394-CB-011110-003	1001142-02	0A21015-018	01/21/10 10:40
S-SO-56394-CB-011110-003	1001142-02	0A21015-018	01/21/10 10:40
S-SS-56394-EV-011210-011	1001142-03	0A21015-019	01/21/10 10:43
S-SS-56394-EV-011210-011	1001142-03	0A21015-019	01/21/10 10:43
S-SS-56394-EV-011210-011	1001142-03	0A21015-019	01/21/10 10:43
S-SS-56394-EV-011210-011	1001142-03	0A21015-019	01/21/10 10:43
S-SS-56394-EV-011210-011	1001142-03	0A21015-019	01/21/10 10:43
S-SS-56394-EV-011210-011	1001142-03	0A21015-019	01/21/10 10:43
S-SO-56394-CB-011210-015	1001142-04	0A21015-020	01/21/10 10:47

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A21015
Instrument: 101
Calibration: 0A21008

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-011210-015	1001142-04	0A21015-020	01/21/10 10:47
S-SO-56394-CB-011210-015	1001142-04	0A21015-020	01/21/10 10:47
S-SO-56394-CB-011210-015	1001142-04	0A21015-020	01/21/10 10:47
S-SO-56394-CB-011210-015	1001142-04	0A21015-020	01/21/10 10:47
S-SO-56394-CB-011210-015	1001142-04	0A21015-020	01/21/10 10:47
S-SO-56394-CB-011210-015	1001142-04	0A21015-020	01/21/10 10:47
S-SS-56394-EV-011310-021	1001177-01	0A21015-021	01/21/10 10:50
S-SS-56394-EV-011310-021	1001177-01	0A21015-021	01/21/10 10:50
S-SS-56394-EV-011310-021	1001177-01	0A21015-021	01/21/10 10:50
S-SS-56394-EV-011310-021	1001177-01	0A21015-021	01/21/10 10:50
S-SS-56394-EV-011310-021	1001177-01	0A21015-021	01/21/10 10:50
S-SS-56394-EV-011310-021	1001177-01	0A21015-021	01/21/10 10:50
S-SS-56394-EV-011310-021	1001177-01	0A21015-021	01/21/10 10:50
S-SO-56394-CB-011410-033	1001177-02	0A21015-022	01/21/10 10:54
S-SO-56394-CB-011410-033	1001177-02	0A21015-022	01/21/10 10:54
S-SO-56394-CB-011410-033	1001177-02	0A21015-022	01/21/10 10:54
S-SO-56394-CB-011410-033	1001177-02	0A21015-022	01/21/10 10:54
S-SO-56394-CB-011410-033	1001177-02	0A21015-022	01/21/10 10:54
S-SO-56394-CB-011410-033	1001177-02	0A21015-022	01/21/10 10:54
S-SO-56394-CB-011410-033	1001177-02	0A21015-022	01/21/10 10:54
SD-SO-56394-CB-011410-033	1001177-03	0A21015-023	01/21/10 10:57
SD-SO-56394-CB-011410-033	1001177-03	0A21015-023	01/21/10 10:57
SD-SO-56394-CB-011410-033	1001177-03	0A21015-023	01/21/10 10:57
SD-SO-56394-CB-011410-033	1001177-03	0A21015-023	01/21/10 10:57
SD-SO-56394-CB-011410-033	1001177-03	0A21015-023	01/21/10 10:57
SD-SO-56394-CB-011410-033	1001177-03	0A21015-023	01/21/10 10:57
SD-SO-56394-CB-011410-033	1001177-03	0A21015-023	01/21/10 10:57
S-SO-56394-CB-011410-046	1001177-04	0A21015-024	01/21/10 11:01
S-SO-56394-CB-011410-046	1001177-04	0A21015-024	01/21/10 11:01
S-SO-56394-CB-011410-046	1001177-04	0A21015-024	01/21/10 11:01
S-SO-56394-CB-011410-046	1001177-04	0A21015-024	01/21/10 11:01
S-SO-56394-CB-011410-046	1001177-04	0A21015-024	01/21/10 11:01

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A21015
Instrument: 101
Calibration: 0A21008

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-011410-046	1001177-04	0A21015-024	01/21/10 11:01
S-SO-56394-CB-011410-046	1001177-04	0A21015-024	01/21/10 11:01
S-SO-56394-CB-011410-041	1001177-05	0A21015-025	01/21/10 11:04
S-SO-56394-CB-011410-041	1001177-05	0A21015-025	01/21/10 11:04
S-SO-56394-CB-011410-041	1001177-05	0A21015-025	01/21/10 11:04
S-SO-56394-CB-011410-041	1001177-05	0A21015-025	01/21/10 11:04
Calibration Check	0A21015-CCV3	0A21015-026	01/21/10 11:08
Calibration Blank	0A21015-CCB3	0A21015-027	01/21/10 11:11
S-SO-56394-CB-011410-041	1000389-MS1	0A21015-028	01/21/10 11:15
S-SO-56394-CB-011410-041	1000389-MSD1	0A21015-029	01/21/10 11:18
S-SO-56394-CB-011410-041	0A21015-SRD1	0A21015-030	01/21/10 11:21
S-SO-56394-CB-011410-041	1000389-PS1	0A21015-031	01/21/10 11:25
S-SO-56394-DR-011310-1011	1001177-12	0A21015-032	01/21/10 11:28
S-SO-56394-DR-011310-1011	1001177-12	0A21015-032	01/21/10 11:28
S-SO-56394-DR-011310-1011	1001177-12	0A21015-032	01/21/10 11:28
S-SO-56394-DR-011310-1011	1001177-12	0A21015-032	01/21/10 11:28
S-SO-56394-DR-011310-1011	1001177-12	0A21015-032	01/21/10 11:28
S-SO-56394-DR-011310-1011	1001177-12	0A21015-032	01/21/10 11:28
S-SO-56394-DR-011310-1011	1001177-12	0A21015-032	01/21/10 11:28
S-SO-56394-CB-011310-028	1001177-13	0A21015-033	01/21/10 11:32
S-SO-56394-CB-011310-028	1001177-13	0A21015-033	01/21/10 11:32
S-SO-56394-CB-011310-028	1001177-13	0A21015-033	01/21/10 11:32
S-SO-56394-CB-011310-028	1001177-13	0A21015-033	01/21/10 11:32
S-SO-56394-CB-011310-028	1001177-13	0A21015-033	01/21/10 11:32
S-SO-56394-CB-011310-028	1001177-13	0A21015-033	01/21/10 11:32
S-SO-56394-CB-011310-028	1001177-13	0A21015-033	01/21/10 11:32
S-SO-56394-CB-011410-040	1001177-14	0A21015-034	01/21/10 11:36
S-SO-56394-CB-011410-040	1001177-14	0A21015-034	01/21/10 11:36
S-SO-56394-CB-011410-040	1001177-14	0A21015-034	01/21/10 11:36
S-SO-56394-CB-011410-040	1001177-14	0A21015-034	01/21/10 11:36
S-SO-56394-CB-011410-040	1001177-14	0A21015-034	01/21/10 11:36
S-SO-56394-CB-011410-040	1001177-14	0A21015-034	01/21/10 11:36

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A21015

SDG: PM011110
Project: Plainwell Mill
Instrument: 101
Calibration: 0A21008

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-011410-040	1001177-14	0A21015-034	01/21/10 11:36
S-SO-56394-CB-011310-026	1001177-15	0A21015-035	01/21/10 11:39
S-SO-56394-CB-011310-026	1001177-15	0A21015-035	01/21/10 11:39
S-SO-56394-CB-011310-026	1001177-15	0A21015-035	01/21/10 11:39
S-SO-56394-CB-011310-026	1001177-15	0A21015-035	01/21/10 11:39
S-SO-56394-CB-011310-026	1001177-15	0A21015-035	01/21/10 11:39
S-SO-56394-CB-011310-026	1001177-15	0A21015-035	01/21/10 11:39
S-SO-56394-CB-011310-026	1001177-15	0A21015-035	01/21/10 11:39
Calibration Check	0A21015-CCV4	0A21015-036	01/21/10 11:43
Calibration Blank	0A21015-CCB4	0A21015-037	01/21/10 11:46
S-SO-56394-CB-011410-041	1001177-05	0A21015-038	01/21/10 11:50
S-SO-56394-CB-011410-041	0A21015-SRD2	0A21015-039	01/21/10 11:53
S-SO-56394-CB-011410-041	1000389-PS2	0A21015-040	01/21/10 11:57
S-SO-56394-CB-011410-041	1001177-05	0A21015-041	01/21/10 12:00
S-SO-56394-CB-011410-041	1001177-05	0A21015-041	01/21/10 12:00
S-SO-56394-CB-011410-041	0A21015-SRD3	0A21015-042	01/21/10 12:03
S-SO-56394-CB-011410-041	1000389-PS3	0A21015-043	01/21/10 12:06
Calibration Check	0A21015-CCV5	0A21015-044	01/21/10 12:10
Calibration Blank	0A21015-CCB5	0A21015-045	01/21/10 12:13

00093

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A19026
Instrument ID:311
Control Limt: +/- 10.00%
Calibration: 0A20004

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A19026-CCV1	Aluminum	2500	2470	99	ug/L	01/19/10 12:34
	Aluminum	2500	2470	99	ug/L	01/19/10 12:34
	Barium	500	498	100	ug/L	01/19/10 12:34
	Barium	500	498	100	ug/L	01/19/10 12:34
	Iron	500	502	100	ug/L	01/19/10 12:34
	Iron	500	502	100	ug/L	01/19/10 12:34
	Magnesium	5.00	5.13	103	mg/L	01/19/10 12:34
	Magnesium	5.00	5.13	103	mg/L	01/19/10 12:34
	Manganese	500	501	100	ug/L	01/19/10 12:34
	Manganese	500	501	100	ug/L	01/19/10 12:34
	Nickel	500	510	102	ug/L	01/19/10 12:34
	Nickel	500	510	102	ug/L	01/19/10 12:34
	Sodium	5.00	4.99	100	mg/L	01/19/10 12:34
	Sodium	5.00	4.99	100	mg/L	01/19/10 12:34
0A19026-CCV2	Aluminum	2500	2530	101	ug/L	01/19/10 13:10
	Aluminum	2500	2530	101	ug/L	01/19/10 13:10
	Barium	500	505	101	ug/L	01/19/10 13:10
	Barium	500	505	101	ug/L	01/19/10 13:10
	Iron	500	508	102	ug/L	01/19/10 13:10
	Iron	500	508	102	ug/L	01/19/10 13:10
	Magnesium	5.00	5.10	102	mg/L	01/19/10 13:10
	Magnesium	5.00	5.10	102	mg/L	01/19/10 13:10
	Manganese	500	505	101	ug/L	01/19/10 13:10
	Manganese	500	505	101	ug/L	01/19/10 13:10
	Nickel	500	511	102	ug/L	01/19/10 13:10
	Nickel	500	511	102	ug/L	01/19/10 13:10
	Sodium	5.00	5.06	101	mg/L	01/19/10 13:10
	Sodium	5.00	5.06	101	mg/L	01/19/10 13:10
0A19026-CCV3	Aluminum	2500	2500	100	ug/L	01/19/10 13:59
	Aluminum	2500	2500	100	ug/L	01/19/10 13:59
	Barium	500	501	100	ug/L	01/19/10 13:59
	Barium	500	501	100	ug/L	01/19/10 13:59
	Iron	500	507	101	ug/L	01/19/10 13:59
	Iron	500	507	101	ug/L	01/19/10 13:59
	Magnesium	5.00	5.07	101	mg/L	01/19/10 13:59
	Magnesium	5.00	5.07	101	mg/L	01/19/10 13:59
	Manganese	500	504	101	ug/L	01/19/10 13:59
	Manganese	500	504	101	ug/L	01/19/10 13:59

00094

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A19026
Instrument ID:311
Control Limt: +/- 10.00%
Calibration: 0A20004

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A19026-CCV3	Nickel	500	508	102	ug/L	01/19/10 13:59
	Nickel	500	508	102	ug/L	01/19/10 13:59
	Sodium	5.00	5.02	100	mg/L	01/19/10 13:59
	Sodium	5.00	5.02	100	mg/L	01/19/10 13:59
0A19026-CCV4	Aluminum	2500	2540	101	ug/L	01/19/10 14:47
	Aluminum	2500	2540	101	ug/L	01/19/10 14:47
	Barium	500	506	101	ug/L	01/19/10 14:47
	Barium	500	506	101	ug/L	01/19/10 14:47
	Iron	500	508	102	ug/L	01/19/10 14:47
	Iron	500	508	102	ug/L	01/19/10 14:47
	Magnesium	5.00	5.11	102	mg/L	01/19/10 14:47
	Magnesium	5.00	5.11	102	mg/L	01/19/10 14:47
	Manganese	500	508	102	ug/L	01/19/10 14:47
	Manganese	500	508	102	ug/L	01/19/10 14:47
	Nickel	500	511	102	ug/L	01/19/10 14:47
	Nickel	500	511	102	ug/L	01/19/10 14:47
	Sodium	5.00	5.07	101	mg/L	01/19/10 14:47
	Sodium	5.00	5.07	101	mg/L	01/19/10 14:47

* Values outside of QC limits

00095

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A21015
Instrument ID: 101
Control Limt: +/- 10.00%
Calibration: 0A21008

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A21015-CCV1	Aluminum	2.50	2.47	99	mg/L	01/21/10 10:03
	Barium	0.500	0.502	100	mg/L	01/21/10 10:03
	Iron	0.500	0.507	101	mg/L	01/21/10 10:03
	Magnesium	5.00	5.12	102	mg/L	01/21/10 10:03
	Manganese	0.500	0.507	101	mg/L	01/21/10 10:03
	Nickel	0.500	0.505	101	mg/L	01/21/10 10:03
	Sodium	5.00	5.01	100	mg/L	01/21/10 10:03
0A21015-CCV2	Aluminum	2.50	2.51	100	mg/L	01/21/10 10:27
	Barium	0.500	0.504	101	mg/L	01/21/10 10:27
	Iron	0.500	0.510	102	mg/L	01/21/10 10:27
	Magnesium	5.00	5.07	101	mg/L	01/21/10 10:27
	Manganese	0.500	0.506	101	mg/L	01/21/10 10:27
	Nickel	0.500	0.508	102	mg/L	01/21/10 10:27
	Sodium	5.00	5.04	101	mg/L	01/21/10 10:27
0A21015-CCV3	Aluminum	2.50	2.53	101	mg/L	01/21/10 11:08
	Barium	0.500	0.504	101	mg/L	01/21/10 11:08
	Iron	0.500	0.520	104	mg/L	01/21/10 11:08
	Magnesium	5.00	5.05	101	mg/L	01/21/10 11:08
	Manganese	0.500	0.506	101	mg/L	01/21/10 11:08
	Nickel	0.500	0.505	101	mg/L	01/21/10 11:08
	Sodium	5.00	5.04	101	mg/L	01/21/10 11:08
0A21015-CCV4	Aluminum	2.50	2.54	102	mg/L	01/21/10 11:43
	Barium	0.500	0.503	101	mg/L	01/21/10 11:43
	Iron	0.500	0.516	103	mg/L	01/21/10 11:43
	Magnesium	5.00	5.03	101	mg/L	01/21/10 11:43
	Manganese	0.500	0.504	101	mg/L	01/21/10 11:43
	Nickel	0.500	0.506	101	mg/L	01/21/10 11:43
	Sodium	5.00	5.04	101	mg/L	01/21/10 11:43
0A21015-CCV5	Aluminum	2.50	2.58	103	mg/L	01/21/10 12:10
	Barium	0.500	0.507	101	mg/L	01/21/10 12:10
	Iron	0.500	0.513	103	mg/L	01/21/10 12:10
	Magnesium	5.00	5.10	102	mg/L	01/21/10 12:10
	Manganese	0.500	0.510	102	mg/L	01/21/10 12:10
	Nickel	0.500	0.508	102	mg/L	01/21/10 12:10
	Sodium	5.00	5.08	102	mg/L	01/21/10 12:10

* Values outside of QC limits

00096

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. **SDG:** PM011110

Client: SulTRAC **Project:** Plainwell Mill

Sequence: 0A19026 **Instrument:** 311

Laboratory ID: 0A19026-SCV1 **Calibration:** 0A20004

Analyte	Expected	Found	% R	QC Limit	Units
Aluminum	2500	2470	99	90-110	ug/L
Aluminum	2500	2470	99	90-110	ug/L
Barium	500	498	100	90-110	ug/L
Barium	500	498	100	90-110	ug/L
Iron	500	502	100	90-110	ug/L
Iron	500	502	100	90-110	ug/L
Magnesium	5.00	5.13	103	90-110	mg/L
Magnesium	5.00	5.13	103	90-110	mg/L
Manganese	500	501	100	90-110	ug/L
Manganese	500	501	100	90-110	ug/L
Nickel	500	510	102	90-110	ug/L
Nickel	500	510	102	90-110	ug/L
Sodium	5.00	4.99	100	90-110	mg/L
Sodium	5.00	4.99	100	90-110	mg/L

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. **SDG:** PM011110

Client: SulTRAC **Project:** Plainwell Mill

Sequence: 0A21015 **Instrument:** 101

Laboratory ID: 0A21015-SCV1 **Calibration:** 0A21008

Analyte	Expected	Found	% R	QC Limit	Units
Aluminum	2.50	2.47	99	90-110	mg/L
Barium	0.500	0.502	100	90-110	mg/L
Iron	0.500	0.507	101	90-110	mg/L
Magnesium	5.00	5.12	102	90-110	mg/L
Manganese	0.500	0.507	101	90-110	mg/L
Nickel	0.500	0.505	101	90-110	mg/L
Sodium	5.00	5.01	100	90-110	mg/L

* Values outside of QC limits

00098

CRDL STANDARD

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0A19026

Instrument ID: 311

Calibration: 0A20004

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0A19026-CRL1	Aluminum	100	118	118	ug/L	50 - 150
	Aluminum	100	118	118	ug/L	50 - 150
	Barium	20.0	21.7	109	ug/L	50 - 150
	Barium	20.0	21.7	109	ug/L	50 - 150
	Iron	20.0	21.0	105	ug/L	50 - 150
	Iron	20.0	21.0	105	ug/L	50 - 150
	Magnesium	1.00	1.08	108	mg/L	50 - 150
	Magnesium	1.00	1.08	108	mg/L	50 - 150
	Manganese	20.0	21.5	108	ug/L	50 - 150
	Manganese	20.0	21.5	108	ug/L	50 - 150
	Nickel	20.0	20.4	102	ug/L	50 - 150
	Nickel	20.0	20.4	102	ug/L	50 - 150
	Sodium	1.00	1.08	108	mg/L	50 - 150
	Sodium	1.00	1.08	108	mg/L	50 - 150

* Values outside of QC limits

99099

CRDL STANDARD

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0A21015

SDG: PM011110

Project: Plainwell Mill

Instrument ID: 101

Calibration: 0A21008

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0A21015-CRL1	Aluminum	0.100	0.119	119	mg/L	50 - 150
	Barium	0.0200	0.0203	102	mg/L	50 - 150
	Iron	0.0200	0.0199	100	mg/L	50 - 150
	Magnesium	1.00	1.02	102	mg/L	50 - 150
	Manganese	0.0200	0.0191	95	mg/L	50 - 150
	Nickel	0.0200	0.0271	135	mg/L	50 - 150
	Sodium	1.00	1.06	106	mg/L	50 - 150

* Values outside of QC limits

00100

BLANKS
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A19026

SDG: PM011110
Project: Plainwell Mill
Instrument ID: 311
Calibration: 0A20004

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A19026-CCB1	Aluminum	-12	50	23	ug/L	U	01/19/10 12:38
	Aluminum	-12	50	23	ug/L	U	01/19/10 12:38
	Barium	0.56	10	3.6	ug/L	U	01/19/10 12:38
	Barium	0.56	10	3.6	ug/L	U	01/19/10 12:38
	Iron	-0.31	20	4.2	ug/L	U	01/19/10 12:38
	Iron	-0.31	20	4.2	ug/L	U	01/19/10 12:38
	Magnesium	-0.0079	0.50	0.048	mg/L	U	01/19/10 12:38
	Magnesium	-0.0079	0.50	0.048	mg/L	U	01/19/10 12:38
	Manganese	-0.64	20	3.1	ug/L	U	01/19/10 12:38
	Manganese	-0.64	20	3.1	ug/L	U	01/19/10 12:38
	Nickel	-1.8	10	6.4	ug/L	U	01/19/10 12:38
	Nickel	-1.8	10	6.4	ug/L	U	01/19/10 12:38
	Sodium	0.0086	0.50	0.14	mg/L	U	01/19/10 12:38
	Sodium	0.0086	0.50	0.14	mg/L	U	01/19/10 12:38
0A19026-CCB2	Aluminum	-14	50	23	ug/L	U	01/19/10 13:14
	Aluminum	-14	50	23	ug/L	U	01/19/10 13:14
	Barium	0.48	10	3.6	ug/L	U	01/19/10 13:14
	Barium	0.48	10	3.6	ug/L	U	01/19/10 13:14
	Iron	-1.7	20	4.2	ug/L	U	01/19/10 13:14
	Iron	-1.7	20	4.2	ug/L	U	01/19/10 13:14
	Magnesium	0.0069	0.50	0.048	mg/L	U	01/19/10 13:14
	Magnesium	0.0069	0.50	0.048	mg/L	U	01/19/10 13:14
	Manganese	-0.60	20	3.1	ug/L	U	01/19/10 13:14
	Manganese	-0.60	20	3.1	ug/L	U	01/19/10 13:14
	Nickel	0.84	10	6.4	ug/L	U	01/19/10 13:14
	Nickel	0.84	10	6.4	ug/L	U	01/19/10 13:14
	Sodium	0.015	0.50	0.14	mg/L	U	01/19/10 13:14
	Sodium	0.015	0.50	0.14	mg/L	U	01/19/10 13:14
0A19026-CCB3	Aluminum	-7.9	50	23	ug/L	U	01/19/10 14:03
	Aluminum	-7.9	50	23	ug/L	U	01/19/10 14:03
	Barium	0.40	10	3.6	ug/L	U	01/19/10 14:03
	Barium	0.40	10	3.6	ug/L	U	01/19/10 14:03
	Iron	2.6	20	4.2	ug/L	U	01/19/10 14:03

BLANKS
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A19026
Instrument ID: 311
Calibration: 0A20004

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A19026-CCB3	Iron	2.6	20	4.2	ug/L	U	01/19/10 14:03
	Magnesium	0.00052	0.50	0.048	mg/L	U	01/19/10 14:03
	Magnesium	0.00052	0.50	0.048	mg/L	U	01/19/10 14:03
	Manganese	-0.65	20	3.1	ug/L	U	01/19/10 14:03
	Manganese	-0.65	20	3.1	ug/L	U	01/19/10 14:03
	Nickel	-0.44	10	6.4	ug/L	U	01/19/10 14:03
	Nickel	-0.44	10	6.4	ug/L	U	01/19/10 14:03
	Sodium	0.012	0.50	0.14	mg/L	U	01/19/10 14:03
	Sodium	0.012	0.50	0.14	mg/L	U	01/19/10 14:03
0A19026-CCB4	Aluminum	-8.6	50	23	ug/L	U	01/19/10 14:50
	Aluminum	-8.6	50	23	ug/L	U	01/19/10 14:50
	Barium	0.55	10	3.6	ug/L	U	01/19/10 14:50
	Barium	0.55	10	3.6	ug/L	U	01/19/10 14:50
	Iron	1.2	20	4.2	ug/L	U	01/19/10 14:50
	Iron	1.2	20	4.2	ug/L	U	01/19/10 14:50
	Magnesium	-0.0047	0.50	0.048	mg/L	U	01/19/10 14:50
	Magnesium	-0.0047	0.50	0.048	mg/L	U	01/19/10 14:50
	Manganese	-0.59	20	3.1	ug/L	U	01/19/10 14:50
	Manganese	-0.59	20	3.1	ug/L	U	01/19/10 14:50
	Nickel	-0.014	10	6.4	ug/L	U	01/19/10 14:50
	Nickel	-0.014	10	6.4	ug/L	U	01/19/10 14:50
	Sodium	0.019	0.50	0.14	mg/L	U	01/19/10 14:50
	Sodium	0.019	0.50	0.14	mg/L	U	01/19/10 14:50

* Values outside of QC limits

00102

BLANKS
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A21015

SDG: PM011110
Project: Plainwell Mill
Instrument ID: 101
Calibration: 0A21008

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A21015-CCB1	Aluminum	-0.032	0.10	0.018	mg/L	J	01/21/10 10:06
	Barium	-0.0016	0.010	0.0028	mg/L	U	01/21/10 10:06
	Iron	-0.00082	0.050	0.0047	mg/L	U	01/21/10 10:06
	Magnesium	-0.0012	0.50	0.044	mg/L	U	01/21/10 10:06
	Manganese	-0.0025	0.010	0.0021	mg/L	J	01/21/10 10:06
	Nickel	-0.0017	0.010	0.0081	mg/L	U	01/21/10 10:06
	Sodium	-0.019	0.50	0.054	mg/L	U	01/21/10 10:06
0A21015-CCB2	Aluminum	-0.016	0.10	0.018	mg/L	U	01/21/10 10:30
	Barium	-0.0015	0.010	0.0028	mg/L	U	01/21/10 10:30
	Iron	0.0016	0.050	0.0047	mg/L	U	01/21/10 10:30
	Magnesium	-0.045	0.50	0.044	mg/L	J	01/21/10 10:30
	Manganese	-0.0021	0.010	0.0021	mg/L	J	01/21/10 10:30
	Nickel	0.010	0.010	0.0081	mg/L	*	01/21/10 10:30
	Sodium	-0.025	0.50	0.054	mg/L	U	01/21/10 10:30
0A21015-CCB3	Aluminum	-0.017	0.10	0.018	mg/L	U	01/21/10 11:11
	Barium	-0.0017	0.010	0.0028	mg/L	U	01/21/10 11:11
	Iron	0.0051	0.050	0.0047	mg/L	J	01/21/10 11:11
	Magnesium	-0.028	0.50	0.044	mg/L	U	01/21/10 11:11
	Manganese	-0.0022	0.010	0.0021	mg/L	J	01/21/10 11:11
	Nickel	0.0020	0.010	0.0081	mg/L	U	01/21/10 11:11
	Sodium	-0.025	0.50	0.054	mg/L	U	01/21/10 11:11
0A21015-CCB4	Aluminum	-0.017	0.10	0.018	mg/L	U	01/21/10 11:46
	Barium	-0.0018	0.010	0.0028	mg/L	U	01/21/10 11:46
	Iron	0.0029	0.050	0.0047	mg/L	U	01/21/10 11:46
	Magnesium	-0.037	0.50	0.044	mg/L	U	01/21/10 11:46
	Manganese	-0.0018	0.010	0.0021	mg/L	U	01/21/10 11:46
	Nickel	0.0019	0.010	0.0081	mg/L	U	01/21/10 11:46
	Sodium	-0.021	0.50	0.054	mg/L	U	01/21/10 11:46
0A21015-CCB5	Aluminum	-0.021	0.10	0.018	mg/L	J	01/21/10 12:13
	Barium	-0.0019	0.010	0.0028	mg/L	U	01/21/10 12:13
	Iron	0.00063	0.050	0.0047	mg/L	U	01/21/10 12:13
	Magnesium	-0.046	0.50	0.044	mg/L	J	01/21/10 12:13
	Manganese	-0.0024	0.010	0.0021	mg/L	J	01/21/10 12:13

02103

BLANKS
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A21015
Instrument ID: 101
Calibration: 0A21008

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A21015-CCB5	Nickel	-0.0025	0.010	0.0081	mg/L	U	01/21/10 12:13
	Sodium	-0.025	0.50	0.054	mg/L	U	01/21/10 12:13

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0A19026

SDG: PM011110

Project: Plainwell Mill

Instrument ID: 311

Calibration: 0A20004

Lab Sample ID	Analyte	True	Found	%R	Units
0A19026-IFA1	Aluminum	100000	102000	102	ug/L
	Aluminum	100000	102000	102	ug/L
	Barium	0.00	0.738		ug/L
	Barium	0.00	0.738		ug/L
	Iron	40000	40000	100	ug/L
	Iron	40000	40000	100	ug/L
	Magnesium	100	100	100	mg/L
	Magnesium	100	100	100	mg/L
	Manganese	0.00	1.48		ug/L
	Manganese	0.00	1.48		ug/L
	Nickel	0.00	-0.975		ug/L
	Nickel	0.00	-0.975		ug/L
	Sodium	0.00	0.0225		mg/L
	Sodium	0.00	0.0225		mg/L
0A19026-IFA2	Aluminum	0.00	88.2		ug/L
	Aluminum	0.00	88.2		ug/L
	Barium	0.00	0.799		ug/L
	Barium	0.00	0.799		ug/L
	Iron	0.00	-5.28		ug/L
	Iron	0.00	-5.28		ug/L
	Magnesium	0.00	-0.178		mg/L
	Magnesium	0.00	-0.178		mg/L
	Manganese	20000	19800	99	ug/L
	Manganese	20000	19800	99	ug/L
	Nickel	20000	20500	102	ug/L
	Nickel	20000	20500	102	ug/L
	Sodium	0.00	0.0680		mg/L
	Sodium	0.00	0.0680		mg/L
0A19026-IFB1	Aluminum	100000	101000	101	ug/L

00105

ICP INTERFERENCE CHECK SAMPLE

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0A19026

SDG: PM011110

Project: Plainwell Mill

Instrument ID: 311

Calibration: 0A20004

Lab Sample ID	Analyte	True	Found	%R	Units
0A19026-IFB1	Aluminum	100000	101000	101	ug/L
	Barium	500	500	100	ug/L
	Barium	500	500	100	ug/L
	Iron	40000	39700	99	ug/L
	Iron	40000	39700	99	ug/L
	Magnesium	100	99.4	99	mg/L
	Magnesium	100	99.4	99	mg/L
	Manganese	500	503	101	ug/L
	Manganese	500	503	101	ug/L
	Nickel	1000	978	98	ug/L
	Nickel	1000	978	98	ug/L
0A19026-IFB2	Aluminum	1000	1050	105	ug/L
	Aluminum	1000	1050	105	ug/L
	Magnesium	5.00	4.94	99	mg/L
	Magnesium	5.00	4.94	99	mg/L
	Manganese	20000	19400	97	ug/L
	Manganese	20000	19400	97	ug/L
	Nickel	20000	20100	100	ug/L
	Nickel	20000	20100	100	ug/L
	Sodium	5.00	5.07	101	mg/L
	Sodium	5.00	5.07	101	mg/L

* Values outside of QC limits

00196

ICP INTERFERENCE CHECK SAMPLE

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0A21015

SDG: PM011110

Project: Plainwell Mill

Instrument ID: 101

Calibration: 0A21008

Lab Sample ID	Analyte	True	Found	%R	Units
0A21015-IFA1	Aluminum	100	101	101	mg/L
	Barium	0.00	-0.00198		mg/L
	Iron	40.0	40.4	101	mg/L
	Magnesium	100	100	100	mg/L
	Manganese	0.00	0.000215		mg/L
	Nickel	0.00	0.00866		mg/L
	Sodium	0.00	-0.00204		mg/L
0A21015-IFA2	Aluminum	0.00	0.0634		mg/L
	Barium	0.00	-0.00205		mg/L
	Iron	0.00	0.00895		mg/L
	Magnesium	0.00	0.0137		mg/L
	Manganese	20.0	20.4	102	mg/L
	Nickel	20.0	20.5	103	mg/L
	Sodium	0.00	0.0434		mg/L
0A21015-IFB1	Aluminum	100	99.4	99	mg/L
	Barium	0.500	0.448	90	mg/L
	Iron	40.0	39.7	99	mg/L
	Magnesium	100	98.8	99	mg/L
	Manganese	0.500	0.495	99	mg/L
	Nickel	1.00	0.976	98	mg/L
0A21015-IFB2	Aluminum	1.00	1.09	109	mg/L
	Magnesium	5.00	5.14	103	mg/L
	Manganese	20.0	20.3	102	mg/L
	Nickel	20.0	20.4	102	mg/L
	Sodium	5.00	5.14	103	mg/L

* Values outside of QC limits

00187

QC BATCH SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1000383
QC Batch Matrix: Water
Preparation: 3010A Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000383-BLK1	01/18/10 07:00	
LCS	1000383-BS1	01/18/10 07:00	
S-VAS-56394-DR-011410-1013	1000383-MS1	01/18/10 07:00	
S-VAS-56394-DR-011410-1013	1000383-MSD1	01/18/10 07:00	
S-VAS-56394-DR-011410-1013	1000383-PS1	01/19/10 12:00	
S-VAS-56394-DR-011110-1001	1001142-01	01/18/10 07:00	
S-VAS-56394-DR-011410-1013	1001177-06	01/18/10 07:00	
SD-VAS-56394-DR-011310-1008	1001177-08	01/18/10 07:00	
S-VAS-56394-DR-011310-1008	1001177-10	01/18/10 07:00	

00108

QC BATCH SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1000384
QC Batch Matrix: Water
Preparation: General Metals Prep

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000384-BLK1	01/18/10 07:00	
LCS	1000384-BS1	01/18/10 07:00	
S-VAS-56394-DR-011410-1013	1000384-MS1	01/18/10 07:00	
S-VAS-56394-DR-011410-1013	1000384-MSD1	01/18/10 07:00	
S-VAS-56394-DR-011410-1013	1000384-PS1	01/19/10 12:00	
S-VAS-56394-DR-011110-1001	1001142-01	01/18/10 07:00	
S-VAS-56394-DR-011410-1013	1001177-07	01/18/10 07:00	
SD-VAS-56394-DR-011310-1008	1001177-09	01/18/10 07:00	
S-VAS-56394-DR-011310-1008	1001177-11	01/18/10 07:00	

QC BATCH SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011110

Client: SulTRAC Project: Plainwell Mill

QC Batch: 1000389 QC Batch Matrix: Soil Preparation: 3050B Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000389-BLK1	01/18/10 07:00	
LCS	1000389-BS1	01/18/10 07:00	
S-SO-56394-CB-011410-041	1000389-MS1	01/18/10 07:00	
S-SO-56394-CB-011410-041	1000389-MSD1	01/18/10 07:00	
S-SO-56394-CB-011410-041	1000389-PS1	01/21/10 07:00	[Spk] 0.5028g->50mL; 4mL->4mL; Spiked 4mL
S-SO-56394-CB-011410-041	1000389-PS2	01/21/10 07:00	[Spk] 0.5028g->50mL; 0.05mL->0.05mL; Spiked 0.05mL
S-SO-56394-CB-011410-041	1000389-PS3	01/21/10 07:00	[Spk] 0.5028g->50mL; 1mL->1mL; Spiked 1mL
S-SO-56394-CB-011110-003	1001142-02	01/18/10 07:00	
S-SS-56394-EV-011210-011	1001142-03	01/18/10 07:00	
S-SO-56394-CB-011210-015	1001142-04	01/18/10 07:00	
S-SS-56394-EV-011310-021	1001177-01	01/18/10 07:00	
S-SO-56394-CB-011410-033	1001177-02	01/18/10 07:00	
SD-SO-56394-CB-011410-033	1001177-03	01/18/10 07:00	
S-SO-56394-CB-011410-046	1001177-04	01/18/10 07:00	
S-SO-56394-CB-011410-041	1001177-05	01/18/10 07:00	
S-SO-56394-DR-011310-1011	1001177-12	01/18/10 07:00	
S-SO-56394-CB-011310-028	1001177-13	01/18/10 07:00	
S-SO-56394-CB-011410-040	1001177-14	01/18/10 07:00	
S-SO-56394-CB-011310-026	1001177-15	01/18/10 07:00	

20119

METHOD BLANK DATA SHEET
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
Laboratory ID: 1000383-BLK1
File ID: 0A19026-015
Prepared: 01/18/10 07:00
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL
Analyzed: 01/19/10 13:18
Instrument: 311
QC Batch: 1000383
Sequence: 0A19026
Calibration: 0A20004

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7429-90-5	Aluminum, Total	24	50	50	ug/L	U
7440-39-3	Barium, Total	1.8	10	10	ug/L	U
7439-89-6	Iron, Total	8.0	20	20	ug/L	U
7439-95-4	Magnesium, Total	0.044	0.50	0.50	mg/L	U
7439-96-5	Manganese, Total	2.4	20	20	ug/L	U
7440-02-0	Nickel, Total	4.2	10	10	ug/L	U
7440-23-5	Sodium, Total	0.082	0.50	0.50	mg/L	U

METHOD BLANK DATA SHEET
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
Laboratory ID: 1000384-BLK1
File ID: 0A19026-027
Prepared: 01/18/10 07:00
Preparation: General Metals Prep
Initial/Final: 25 mL / 25 mL
Analyzed: 01/19/10 14:07
Instrument: 311
QC Batch: 1000384
Sequence: 0A19026
Calibration: 0A20004

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7429-90-5	Aluminum, Dissolved	24	50	50	ug/L	U
7440-39-3	Barium, Dissolved	1.8	10	10	ug/L	U
7439-89-6	Iron, Dissolved	8.0	20	17	ug/L	J
7439-95-4	Magnesium, Dissolved	0.044	0.50	0.50	mg/L	U
7439-96-5	Manganese, Dissolved	2.4	20	20	ug/L	U
7440-02-0	Nickel, Dissolved	4.2	10	10	ug/L	U
7440-23-5	Sodium, Dissolved	0.082	0.50	0.50	mg/L	U

METHOD BLANK DATA SHEET
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000389-BLK1
File ID: 0A21015-016
Prepared: 01/18/10 07:00
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 50 mL
Analyzed: 01/21/10 10:33
Instrument: 101
QC Batch: 1000389
Sequence: 0A21015
Calibration: 0A21008

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	5.0	mg/kg dry wt.	U
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

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6010B

-VAS-56394-DR-011410-101

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

SDG: PM011110

Project: Plainwell Mill

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

Laboratory ID: 1000383-MS1

QC Batch: 1000383

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Aluminum, Total	2000	2040	3070	52 *	75 - 125	ug/L
Barium, Total	400	106	493	97	75 - 125	ug/L
Iron, Total	400	10300	6370	-988 *	75 - 125	ug/L
Magnesium, Total	20.0	40.2	57.5	86	75 - 125	mg/L
Manganese, Total	400	873	1160	72 *	75 - 125	ug/L
Nickel, Total	400	7.07	387	95	75 - 125	ug/L
Sodium, Total	20.0	29.7	47.8	90	75 - 125	mg/L

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

* Values outside of QC limits

00114

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6010B

-VAS-56394-DR-011410-101

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

SDG: PM011110

Project: Plainwell Mill

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

Laboratory ID: 1000383-MSD1

QC Batch: 1000383

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Aluminum, Total	2000	3050	51 *	0.7	20	75 - 125	ug/L
Barium, Total	400	484	94	2	20	75 - 125	ug/L
Iron, Total	400	6770	-889 *	6	20	75 - 125	ug/L
Magnesium, Total	20.0	58.8	93	2	20	75 - 125	mg/L
Manganese, Total	400	1200	82	3	20	75 - 125	ug/L
Nickel, Total	400	375	92	3	20	75 - 125	ug/L
Sodium, Total	20.0	48.9	96	2	20	75 - 125	mg/L

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

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6010B

-VAS-56394-DR-011410-101

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

SDG: PM011110

Project: Plainwell Mill

Preparation: General Metals Prep

Initial/Final: 25 mL / 25 mL

Laboratory ID: 1000384-MS1

QC Batch: 1000384

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Aluminum, Dissolved	2000	ND	1990	99	75 - 125	ug/L
Barium, Dissolved	400	72.9	469	99	75 - 125	ug/L
Iron, Dissolved	400	55.5	443	97	75 - 125	ug/L
Magnesium, Dissolved	20.0	21.4	41.9	102	75 - 125	mg/L
Manganese, Dissolved	400	512	913	100	75 - 125	ug/L
Nickel, Dissolved	400	ND	389	97	75 - 125	ug/L
Sodium, Dissolved	20.0	28.4	49.0	103	75 - 125	mg/L

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

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6010B

-VAS-56394-DR-011410-101

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

SDG: PM011110

Project: Plainwell Mill

Preparation: General Metals Prep

Initial/Final: 25 mL / 25 mL

Laboratory ID: 1000384-MSD1

QC Batch: 1000384

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Aluminum, Dissolved	2000	1920	96	3	20	75 - 125	ug/L
Barium, Dissolved	400	455	96	3	20	75 - 125	ug/L
Iron, Dissolved	400	429	93	3	20	75 - 125	ug/L
Magnesium, Dissolved	20.0	40.4	95	4	20	75 - 125	mg/L
Manganese, Dissolved	400	884	93	3	20	75 - 125	ug/L
Nickel, Dissolved	400	375	94	4	20	75 - 125	ug/L
Sodium, Dissolved	20.0	47.6	96	3	20	75 - 125	mg/L

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

* Values outside of QC limits

00117

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6010B

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5037 g / 50 mL

Laboratory ID: 1000389-MS1

QC Batch: 1000389

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Aluminum, Total	124	5760	6010	200 *	75 - 125	mg/kg dry wt.
Barium, Total	24.8	90.7	108	68 *	75 - 125	mg/kg dry wt.
Iron, Total	24.8	12200	10300	-7880 *	75 - 125	mg/kg dry wt.
Magnesium, Total	1240	2880	4330	117	75 - 125	mg/kg dry wt.
Manganese, Total	24.8	554	544	-39 *	75 - 125	mg/kg dry wt.
Nickel, Total	24.8	13.6	36.2	91	75 - 125	mg/kg dry wt.
Sodium, Total	1240	68.1	1270	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

00118

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011410-041

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5023 g / 50 mL

Laboratory ID: 1000389-MSD1

QC Batch: 1000389

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Aluminum, Total	124	6630	702 *	10	20	75 - 125	mg/kg dry wt.
Barium, Total	24.9	121	120	11	20	75 - 125	mg/kg dry wt.
Iron, Total	24.9	12000	-783 *	16	20	75 - 125	mg/kg dry wt.
Magnesium, Total	1240	4680	145 *	8	20	75 - 125	mg/kg dry wt.
Manganese, Total	24.9	615	245 *	12	20	75 - 125	mg/kg dry wt.
Nickel, Total	24.9	39.8	105	9	20	75 - 125	mg/kg dry wt.
Sodium, Total	1240	1300	99	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

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010B

-VAS-56394-DR-011410-101

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
% Solids:
Laboratory ID: 1000383-PS1
Lab Source ID: 1001177-06

SDG: PM011110
Project: Plainwell Mill
Preparation: 3010A Digestion
Initial/Final: 4 mL / 4 mL
QC Batch: 1000383
Sequence: 0A19026

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Aluminum, Total	80 - 120	3250	2040	1250	97	ug/L
Barium, Total	80 - 120	344	106	250	95	ug/L
Iron, Total	80 - 120	10600	10300	250	103	ug/L
Magnesium, Total	80 - 120	52.2	40.2	12.5	96	mg/L
Manganese, Total	80 - 120	1100	873	250	90	ug/L
Nickel, Total	80 - 120	237	7.07	250	92	ug/L
Sodium, Total	80 - 120	41.9	29.7	12.5	97	mg/L

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010B

-VAS-56394-DR-011410-101

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
% Solids:
Laboratory ID: 1000384-PS1
Lab Source ID: 1001177-07

SDG: PM011110
Project: Plainwell Mill
Preparation: General Metals Prep
Initial/Final: 4 mL / 4 mL
QC Batch: 1000384
Sequence: 0A19026

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Aluminum, Dissolved	80 - 120	1240	-16.7	1250	101	ug/L
Barium, Dissolved	80 - 120	319	72.9	250	98	ug/L
Iron, Dissolved	80 - 120	299	55.5	250	97	ug/L
Magnesium, Dissolved	80 - 120	33.4	21.4	12.5	96	mg/L
Manganese, Dissolved	80 - 120	748	512	250	95	ug/L
Nickel, Dissolved	80 - 120	244	2.67	250	97	ug/L
Sodium, Dissolved	80 - 120	40.6	28.4	12.5	97	mg/L

* Values outside of QC limits

90121

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010B

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids: 91.25
Laboratory ID: 1000389-PS1
Lab Source ID: 1001177-05

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.040224 g / 4 mL
QC Batch: 1000389
Sequence: 0A21015

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Barium, Total	80 - 120	1.15	0.913	0.250	94	mg/L
Magnesium, Total	80 - 120	40.6	29.0	12.5	93	mg/L
Nickel, Total	80 - 120	0.383	0.137	0.250	99	mg/L
Sodium, Total	80 - 120	13.1	0.685	12.5	99	mg/L

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010B

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids: 91.25
Laboratory ID: 1000389-PS2
Lab Source ID: 1001177-05

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.0005028 g / 0.05 mL
QC Batch: 1000389
Sequence: 0A21015

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Iron, Total	80 - 120	163	123	50.0	80	mg/L

* Values outside of QC limits

00123

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010B

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids: 91.25
Laboratory ID: 1000389-PS3
Lab Source ID: 1001177-05

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.010056 g / 1 mL
QC Batch: 1000389
Sequence: 0A21015

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Aluminum, Total	80 - 120	68.9	57.9	12.5	88	mg/L
Manganese, Total	80 - 120	7.94	5.57	2.50	95	mg/L

* Values outside of QC limits

00124

LCS / LCS DUPLICATE RECOVERY
USEPA-6010B

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

Laboratory ID: 1000383-BS1

SDG: PM011110
Project: Plainwell Mill
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL
QC Batch: 1000383
Sequence: 0A19026

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Aluminum, Total	2000	1850	93	80 - 120	ug/L
Barium, Total	400	369	92	80 - 120	ug/L
Iron, Total	400	371	93	80 - 120	ug/L
Magnesium, Total	20.0	18.8	94	80 - 120	mg/L
Manganese, Total	400	366	92	80 - 120	ug/L
Nickel, Total	400	370	93	80 - 120	ug/L
Sodium, Total	20.0	18.4	92	80 - 120	mg/L

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

* Values outside of QC limits

00125

LCS / LCS DUPLICATE RECOVERY

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

Laboratory ID: 1000384-BS1

SDG: PM011110

Project: Plainwell Mill

Preparation: General Metals Prep

Initial/Final: 25 mL / 25 mL

QC Batch: 1000384

Sequence: 0A19026

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Aluminum, Dissolved	2000	1840	92	80 - 120	ug/L
Barium, Dissolved	400	370	93	80 - 120	ug/L
Iron, Dissolved	400	369	92	80 - 120	ug/L
Magnesium, Dissolved	20.0	18.8	94	80 - 120	mg/L
Manganese, Dissolved	400	370	93	80 - 120	ug/L
Nickel, Dissolved	400	373	93	80 - 120	ug/L
Sodium, Dissolved	20.0	18.4	92	80 - 120	mg/L

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

* Values outside of QC limits

99126

LCS / LCS DUPLICATE RECOVERY
USEPA-6010B

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

Laboratory ID: 1000389-BS1

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 50 mL
QC Batch: 1000389
Sequence: 0A21015

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Aluminum, Total	125	120	96	80 - 120	mg/kg dry wt.
Barium, Total	25.0	24.6	98	80 - 120	mg/kg dry wt.
Iron, Total	25.0	25.0	100	80 - 120	mg/kg dry wt.
Magnesium, Total	1250	1240	99	80 - 120	mg/kg dry wt.
Manganese, Total	25.0	24.8	99	80 - 120	mg/kg dry wt.
Nickel, Total	25.0	25.0	100	80 - 120	mg/kg dry wt.
Sodium, Total	1250	1230	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

00127

SERIAL DILUTION
USEPA-6010B

S-VAS-56394-DR-011410-1013

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
% Solids:
Laboratory ID: 0A19026-SRD1
QC Batch: 0A19026
Lab Source ID: 1001177-06
Sequence: 0A19026

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Aluminum, Total	2,040		1,960		4.0		ug/L	10
Barium, Total	106		107		1.0 #		ug/L	10
Iron, Total	10,300		10,400		1.0		ug/L	10
Magnesium, Total	40.2		40.1		0.0		mg/L	10
Manganese, Total	873		869		0.0		ug/L	10
Nickel, Total	7.07	J	-0.788	U	111.0 #		ug/L	10
Sodium, Total	29.7		29.4		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.

09128

SERIAL DILUTION
USEPA-6010B

S-VAS-56394-DR-011410-1013

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
% Solids:
Laboratory ID: 0A19026-SRD2
QC Batch: 0A19026
Lab Source ID: 1001177-07
Sequence: 0A19026

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Aluminum, Dissolved	-16.7	U	-59.0	U	253.0 #		ug/L	10
Barium, Dissolved	72.9		74.1		2.0 #		ug/L	10
Iron, Dissolved	55.5		53.4	J	4.0 #		ug/L	10
Magnesium, Dissolved	21.4		21.5		0.0		mg/L	10
Manganese, Dissolved	512		503		2.0		ug/L	10
Nickel, Dissolved	2.67	U	-7.51	U	381.0 #		ug/L	10
Sodium, Dissolved	28.4		28.0		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-6010B

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids: 91.25
Laboratory ID: 0A21015-SRD1
QC Batch: 0A21015
Lab Source ID: 1001177-05
Sequence: 0A21015

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Barium, Total	0.913		0.899		2.0		mg/L	10
Magnesium, Total	29.0		28.1		3.0		mg/L	10
Nickel, Total	0.137		0.121		12.0 #		mg/L	10
Sodium, Total	0.685		0.610	J	11.0 #		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.

00139

SERIAL DILUTION
USEPA-6010B

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids: 91.25
Laboratory ID: 0A21015-SRD2
QC Batch: 0A21015
Lab Source ID: 1001177-05
Sequence: 0A21015

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Iron, Total	0.614		0.604		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-6010B

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids: 91.25
Laboratory ID: 0A21015-SRD3
QC Batch: 0A21015
Lab Source ID: 1001177-05
Sequence: 0A21015

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Aluminum, Total	5.79		5.46		6.0		mg/L	10
Manganese, Total	0.557		0.528		5.0		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.

00132

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110

Client: SulTRAC

Project: Plainwell Mill

Dissolved 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-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/19/10	8	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/19/10	8	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/19/10	8	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/19/10	8	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/19/10	8	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/19/10	8	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/19/10	8	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/19/10	5	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/19/10	5	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/19/10	5	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/19/10	5	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/19/10	5	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/19/10	5	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/19/10	5	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	180	

00133

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110

Client: SulTRAC

Project: Plainwell Mill

Dissolved 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-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	180	

00134

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110

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-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/19/10	8	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/19/10	8	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/19/10	8	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/19/10	8	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/19/10	8	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/19/10	8	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/19/10	8	180	
S-SO-56394-CB-011110-003	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-SO-56394-CB-011110-003	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-SO-56394-CB-011110-003	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-SO-56394-CB-011110-003	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-SO-56394-CB-011110-003	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-SO-56394-CB-011110-003	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-SO-56394-CB-011110-003	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-SS-56394-EV-011210-011	01/12/10	01/12/10		01/18/10	6	NA	01/21/10	9	180	
S-SS-56394-EV-011210-011	01/12/10	01/12/10		01/18/10	6	NA	01/21/10	9	180	
S-SS-56394-EV-011210-011	01/12/10	01/12/10		01/18/10	6	NA	01/21/10	9	180	
S-SS-56394-EV-011210-011	01/12/10	01/12/10		01/18/10	6	NA	01/21/10	9	180	
S-SS-56394-EV-011210-011	01/12/10	01/12/10		01/18/10	6	NA	01/21/10	9	180	
S-SS-56394-EV-011210-011	01/12/10	01/12/10		01/18/10	6	NA	01/21/10	9	180	
S-SS-56394-EV-011210-011	01/12/10	01/12/10		01/18/10	6	NA	01/21/10	9	180	
S-SO-56394-CB-011210-015	01/12/10	01/12/10		01/18/10	6	NA	01/21/10	9	180	

00135

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011110

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-011210-015	01/12/10	01/12/10		01/18/10	6	NA	01/21/10	9	180	
S-SO-56394-CB-011210-015	01/12/10	01/12/10		01/18/10	6	NA	01/21/10	9	180	
S-SO-56394-CB-011210-015	01/12/10	01/12/10		01/18/10	6	NA	01/21/10	9	180	
S-SO-56394-CB-011210-015	01/12/10	01/12/10		01/18/10	6	NA	01/21/10	9	180	
S-SO-56394-CB-011210-015	01/12/10	01/12/10		01/18/10	6	NA	01/21/10	9	180	
S-SO-56394-CB-011210-015	01/12/10	01/12/10		01/18/10	6	NA	01/21/10	9	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	

00136

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011110

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-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/19/10	5	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/19/10	5	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/19/10	5	180	

09137

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011110

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-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/19/10	5	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/19/10	5	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/19/10	5	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/19/10	5	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	

29138

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011110

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-011310-1011	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	

99139

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110

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-011310-026	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	

00148

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

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011110

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	

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

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110

Client: SulTRAC

Project: Plainwell Mill

ICP-AES Instrument ID: 311

Date: 12-14-09

Time: 12:55PM

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

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

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011110

Client: SulTRAC Project: Plainwell Mill

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

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: PM011110

Client: SulTRAC

Project: Plainwell Mill

ICP-AES Instrument ID: 101

Date: 10-6-09

Time: 13:24

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

ICP-AES LINEAR RANGES
USEPA-6010B/200.7

Laboratory: TriMatrix SDG: PM011110

Client: SulTRAC Project: Plainwell Mill

ICP-AES Instrument ID: 311

Analyte	Integration Time (sec)	Date Analyzed	Analyst	Concentration (ug/L)
Aluminum	0.2 - 20	11/3/2009	JMF	500,000
Antimony	0.2 - 20			
Arsenic	0.2 - 20	11/3/2009	JMF	100,000
Barium	0.2 - 20	11/3/2009	JMF	5,000
Beryllium	0.2 - 20	11/3/2009	JMF	5,000
Boron	0.2 - 20	11/3/2009	JMF	50,000
Cadmium	0.2 - 20	11/3/2009	JMF	20,000
Calcium	0.2 - 20	11/3/2009	JMF	500,000
Chromium	0.2 - 20	11/3/2009	JMF	50,000
Cobalt	0.2 - 20	11/3/2009	JMF	100,000
Copper	0.2 - 20	11/3/2009	JMF	100,000
Iron	0.2 - 20	11/3/2009	JMF	500,000
Lead	0.2 - 20	11/3/2009	JMF	100,000
Lithium	0.2 - 20	11/3/2009	JMF	10,000
Magnesium	0.2 - 20	11/3/2009	JMF	500,000
Manganese	0.2 - 20	11/3/2009	JMF	25,000
Molybdenum	0.2 - 20	11/3/2009	JMF	20,000
Nickel	0.2 - 20	11/3/2009	JMF	100,000
Potassium	0.2 - 20	11/3/2009	JMF	200,000
Selenium	0.2 - 20	11/3/2009	JMF	50,000
Silicon	0.2 - 20			50,000
Silver	0.2 - 20	11/3/2009	JMF	5,000
Sodium	0.2 - 20	11/3/2009	JMF	500,000
Strontium	0.2 - 20	11/3/2009	JMF	2,000
Sulfur	0.2-20			
Thallium	0.2 - 20	11/3/2009	JMF	100,000
Tin	0.2 - 20	11/3/2009	JMF	100,000
Titanium	0.2 - 20	11/3/2009	JMF	100,000
Vanadium	0.2 - 20	11/3/2009	JMF	100,000
Zinc	0.2 - 20	8/4/2009	JMF	50,000

Comments:

ICP-AES LINEAR RANGES
USEPA-6010B/200.7

Laboratory: TriMatrix SDG: PM011110

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:

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1000383

Printed: 2/1/2010 9:20:59AM

Metals, Water, 3010A Digestion

Batch comments:

MAS 01/18/10 7:00AM-4:00PM
INST#217@93.2C#223
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1000383-BLK1		Jan-18-10 07:00	MAS	25	25				
1000383-BS1		Jan-18-10 07:00	MAS	25	25		9100970	200	
1000383-MS1		Jan-18-10 07:00	MAS	25	25	1001177-06	9100970	200	
1000383-MSD1		Jan-18-10 07:00	MAS	25	25	1001177-06	9100970	200	
1000383-PS1		Jan-19-10 12:00	JMF	4	4	1001177-06	9050565	20	
1001142-01	A	Jan-18-10 07:00	MAS	25	25	SulTRAC			
Al Total 6010B		*Ba Total 6010B*		*Fe Total 6010B*		*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*
1001177-06	A	Jan-18-10 07:00		25	25	SulTRAC		Added for SequenceQC in: 0A19026	Added for SequenceQC in: 0A19026
Al Diss 6010B		*Al Total 6010B*		*Ba Diss 6010B*		*Ba Total 6010B*	*Fe Diss 6010B*	*Fe Total 6010B*	*Mg Diss 6010B*	*Mg Total 6010B*
Mn Diss 6010B		*Mn Total 6010B*		*Na Diss 6010B*		*Na Total 6010B*	*Ni Diss 6010B*	*Ni Total 6010B*	
1001177-08	A	Jan-18-10 07:00	MAS	25	25	SulTRAC			
Al Total 6010B		*Ba Total 6010B*		*Fe Total 6010B*		*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*
1001177-10	A	Jan-18-10 07:00	MAS	25	25	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, Water, General Metals Prep

Batch comments:
mas 01/18/10 7:00AM-4:00PM
INST#217@93.2C#223
HOTBLOCK VESSSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client: Source ID	Client: Spike ID	Client: uL Spike	Comments
1000384-BLK1		Jan-18-10 07:00	MAS	25	25				
1000384-BS1		Jan-18-10 07:00	MAS	25	25		9100970	200	
1000384-MS1		Jan-18-10 07:00	MAS	25	25	1001177-07	9100970	200	
1000384-MSD1		Jan-18-10 07:00	MAS	25	25	1001177-07	9100970	200	
1000384-PS1		Jan-19-10 12:00	JMF	4	4	1001177-07	9050565	20	
1001142-01	B	Jan-18-10 07:00	MAS	25	25	SulTRAC			
Al Diss 6010B	*Ba Diss 6010B*	*Fe Diss 6010B*	*Mg Diss 6010B*	*Mn Diss 6010B*	*Na Diss 6010B*	*Ni Diss 6010B*			
1001177-07	A	Jan-18-10 07:00	MAS	25	25	SulTRAC			
Al Diss 6010B	*Al Total 6010B*	*Ba Diss 6010B*	*Ba Total 6010B*	*Fe Diss 6010B*	*Fe Total 6010B*	*Mg Diss 6010B*	*Mg Total 6010B*		
Mn Diss 6010B	*Mn Total 6010B*	*Na Diss 6010B*	*Na Total 6010B*	*Ni Diss 6010B*	*Ni Total 6010B*				
1001177-09	A	Jan-18-10 07:00	MAS	25	25	SulTRAC			
Al Diss 6010B	*Ba Diss 6010B*	*Fe Diss 6010B*	*Mg Diss 6010B*	*Mn Diss 6010B*	*Na Diss 6010B*	*Ni Diss 6010B*			
1001177-11	A	Jan-18-10 07:00	MAS	25	25	SulTRAC			
Al Diss 6010B	*Ba Diss 6010B*	*Fe Diss 6010B*	*Mg Diss 6010B*	*Mn Diss 6010B*	*Na Diss 6010B*	*Ni Diss 6010B*			

Comments:	Analyst Initials:

Metals, Soil, 3050B Digestion

Batch comments:

MAS 01/18/10 7:00AM-4:00PM
INST#218@93.9C#222
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client: Source ID	Client: Spike ID	Client: uL Spike	Comments
1000389-BLK1		Jan-18-10 07:00	MAS	0.5	50				
1000389-BS1		Jan-18-10 07:00	MAS	0.5	50		9100970	250	
1000389-MS1		Jan-18-10 07:00	MAS	0.5037	50	1001177-05	9100970	250	
1000389-MSD1		Jan-18-10 07:00	MAS	0.5023	50	1001177-05	9100970	250	
1000389-PS1		Jan-21-10 07:00	KLV	).04022	4	1001177-05	9050565	20	[Spk] 0.5028g->50mL; 4mL->4mL; Spikec
1000389-PS2		Jan-21-10 07:00	KLV	.000502	0.05	1001177-05	9050565	50	[Spk] 0.5028g->50mL; 0.05mL->0.05mL; :
1000389-PS3		Jan-21-10 07:00	KLV	).01005	1	1001177-05	9050565	50	[Spk] 0.5028g->50mL; 1mL->1mL; Spikec
1001142-02	A	Jan-18-10 07:00	MAS	0.5466	50	SulTRAC			
Al Total 6010B		*Ba Total 6010B*	*Fe Total 6010B*		*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*	
1001142-03	A	Jan-18-10 07:00	MAS	0.5415	50	SulTRAC			
Al Total 6010B		*Ba Total 6010B*	*Fe Total 6010B*		*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*	
1001142-04	A	Jan-18-10 07:00	MAS	0.5015	50	SulTRAC			
Al Total 6010B		*Ba Total 6010B*	*Fe Total 6010B*		*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*	
1001177-01	A	Jan-18-10 07:00	MAS	0.5059	50	SulTRAC			
Al Total 6010B		*Ba Total 6010B*	*Fe Total 6010B*		*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*	
1001177-02	A	Jan-18-10 07:00	MAS	0.507	50	SulTRAC			
Al Total 6010B		*Ba Total 6010B*	*Fe Total 6010B*		*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*	
1001177-03	A	Jan-18-10 07:00	MAS	0.5055	50	SulTRAC			
Al Total 6010B		*Ba Total 6010B*	*Fe Total 6010B*		*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*	
1001177-04	A	Jan-18-10 07:00	MAS	0.507	50	SulTRAC			
Al Total 6010B		*Ba Total 6010B*	*Fe Total 6010B*		*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*	
1001177-05	C	Jan-18-10 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*	

Comments:	Analyst Initials:

Metals, Soil, 3050B Digestion

Batch comments:

MAS 01/18/10 7:00AM-4:00PM
INST#218@93.9C#222
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Client Comments
1001177-12	A	Jan-18-10 07:00	MAS	0.5292	50	SulTRAC			
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*			
1001177-13	A	Jan-18-10 07:00	MAS	0.501	50	SulTRAC			
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*			
1001177-14	A	Jan-18-10 07:00	MAS	0.5327	50	SulTRAC			
Al Total 6010B	*Ba Total 6010B*	*Fe Total 6010B*	*Mg Total 6010B*	*Mn Total 6010B*	*Na Total 6010B*	*Ni Total 6010B*			
1001177-15	A	Jan-18-10 07:00	MAS	0.5023	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 1/26
calib 0A20004 app DSL 1-20

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence

Instrument #: 311
Date: 1/19/10
Analyst: JN

Data File: 0A19026
Calibration BLK/ICB/CCB: 5%HNO3/1109060/5%HCL/4109050
Internal Standard #: 9091099

Autosampler Position:

1. BLK/CCB/9110898
2. STD 1/9120813
3. STD 2/9120814
4. STD3/CCV/9120816
5. STD4/9120818
9. DAILY SCV/CCV1/9110899
10. CRL/0010356
11. IFA1/9120005
12. IFA2/9120708
13. IFB1/9120667
14. IFB2/0010316

Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor	Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor
1/17	1000383-BLK1				35/51				
2/18	BS1				36/52				
3/19	1001142-01				37/53				
4/20	1001177-06				38/54				
5/21	MS1				39/55				
6/22	MSD1				40/56				
7/23	SRD1				41/57				
8/24	PS1				42/58				
9/25	- 08				43/59				
10/26	10				44/60				
11/27	1000384-BLK1				45/61				
12/28	BS1				46/62				
13/29	1001142-01				47/63				
14/30	1001177-07				48/64				
15/31	MS1				49/65				
16/32	MSD1				50/66				
17/33	SRD2				51/67				
18/34	PS1				52/68				
19/35	- 09				53/69				
20/36	11				54/70				
21/37					55/71				
22/38					56/72				
23/39					57/73				
24/40					58/74				
25/41					59/75				
26/42					60/76				
27/43					61/77				
28/44					62/78				
29/45					63/79				
30/46					64/80				
31/47					65/81				
32/48					66/82				
33/49					67/83				
34/50					68/84				

==========

Analysis Begun

Start Time: 1/19/2010 12:14:48 PM **Plasma On Time: 1/19/2010 6:55:28 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\0A19026.sif
Batch ID:
Results Data Set: 0A19026
Results Library: C:\pe\analystME\Results\Results.mdb

==========

Method Loaded
Method Name: Aqueous_6010C_311 **Method Last Saved: 1/19/2010 12:13:06 PM**
IEC File: iec-6.iec **MSF File:**
Method Description: Aqueous_6010C

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Ag 328.068	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Al 396.153	Lin, Calc Int	Peak Area	Radial	Sc 357.234	Yes
As 188.979	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
B 249.677	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Ba 455.398	Lin, Calc Int	Peak Area	Radial	Sc 357.234	No
Be 234.861	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Ca 315.887	Lin, Calc Int	Peak Area	Radial	Sc 357.234	No
Cd 214.437	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Ce 413.764	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Co 228.616	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Cr 205.557	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Cu 327.397	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Fe 238.204	Lin, Calc Int	Peak Area	Radial	Sc 357.234	Yes
K 766.490	Lin, Calc Int	Peak Area	Radial	None	No
Li 670.784	Lin, Calc Int	Peak Area	Radial	Sc 357.234	No
Mg 279.071	Lin, Calc Int	Peak Area	Radial	Sc 357.234	No
Mn 257.610	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Mo 202.031	Lin, Calc Int	Peak Area	Axial	Y 360.076	No
Na 589.592	Lin, Calc Int	Peak Area	Radial	Sc 357.234	No
Ni 231.604	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Pb 220.353	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Sb 217.584	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Sc 357.234	Lin, Calc Int	Peak Area	Radial	n/a	n/a
Se 196.026	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Si 251.611	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Sn 189.927	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Sr 407.771	Lin, Calc Int	Peak Area	Radial	Sc 357.234	No
Ti 334.940	Lin, Calc Int	Peak Area	Radial	Sc 357.234	No
Tl 190.801	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
V 292.395	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes
Y 360.076	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Zn 206.200	Lin, Calc Int	Peak Area	Axial	Y 360.076	Yes

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Sequence No.: 1 **Autosampler Location: 1**
Sample ID: 0A19026-CAL1 **Date Collected: 1/19/2010 12:14:50 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0A19026-CAL1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	135308.0	135308.0	98.6438	%	12:15:54
1	Al 396.153†	170.8	173.1	[0.00]	ug/L	12:15:54
1	Ba 455.398†	-20.4	-20.6	[0.00]	ug/L	12:15:54
1	Ca 315.887†	125.2	126.9	[0.00]	mg/L	12:16:14
1	Fe 238.204†	36.3	36.8	[0.00]	ug/L	12:16:14
1	K 766.490	51.4	51.4	[0.00]	mg/L	12:15:54
1	Li 670.784†	-58.3	-59.1	[0.00]	ug/L	12:15:54

1	Mg 279.071†	17.7	17.9	[0.00] mg/L	12:16:14
1	Na 589.592†	481.3	488.0	[0.00] mg/L	12:15:54
1	Sr 407.771†	328.0	332.5	[0.00] ug/L	12:15:54
1	Ti 334.940†	-7.7	-7.8	[0.00] ug/L	12:16:14
1	Y 360.076	223323.8	223323.8	100.199 %	12:16:45
1	Ag 328.068†	175.5	175.2	[0.00] ug/L	12:16:45
1	As 188.979†	-24.6	-24.5	[0.00] ug/L	12:17:05
1	B 249.677†	304.3	303.7	[0.00] ug/L	12:17:05
1	Be 234.861†	-732.2	-730.7	[0.00] ug/L	12:17:05
1	Cd 214.437†	384.9	384.1	[0.00] ug/L	12:17:05
1	Ce 413.764†	808.0	806.4	[0.00] ug/L	12:16:45
1	Co 228.616†	-73.2	-73.1	[0.00] ug/L	12:17:05
1	Cr 205.557†	-27.1	-27.0	[0.00] ug/L	12:17:05
1	Cu 327.397†	-78.8	-78.7	[0.00] ug/L	12:16:45
1	Mn 257.610†	167.5	167.2	[0.00] ug/L	12:17:05
1	Mo 202.031†	84.6	84.4	[0.00] ug/L	12:17:05
1	Ni 231.604†	365.2	364.5	[0.00] ug/L	12:17:05
1	Pb 220.353†	24.6	24.6	[0.00] ug/L	12:17:05
1	Sb 217.584†	-37.1	-37.0	[0.00] ug/L	12:17:05
1	Se 196.026†	-36.5	-36.4	[0.00] ug/L	12:17:05
1	Si 251.611†	210.5	210.0	[0.00] ug/L	12:17:05
1	Sn 189.927†	0.8	0.8	[0.00] ug/L	12:17:05
1	Tl 190.801†	-36.9	-36.8	[0.00] ug/L	12:17:05
1	V 292.395†	-1326.4	-1323.7	[0.00] ug/L	12:16:45
1	Zn 206.200†	-71.9	-71.7	[0.00] ug/L	12:17:05
2	Sc 357.234	139028.6	139028.6	101.356 %	12:16:19
2	Al 396.153†	192.2	189.7	[0.00] ug/L	12:16:19
2	Ba 455.398†	-2.8	-2.8	[0.00] ug/L	12:16:19
2	Ca 315.887†	131.7	129.9	[0.00] mg/L	12:16:39
2	Fe 238.204†	33.8	33.4	[0.00] ug/L	12:16:39
2	K 766.490	60.0	60.0	[0.00] mg/L	12:16:19
2	Li 670.784†	-2.4	-2.4	[0.00] ug/L	12:16:19
2	Mg 279.071†	10.3	10.2	[0.00] mg/L	12:16:39
2	Na 589.592†	513.6	506.7	[0.00] mg/L	12:16:19
2	Sr 407.771†	264.7	261.1	[0.00] ug/L	12:16:19
2	Ti 334.940†	-10.1	-9.9	[0.00] ug/L	12:16:39
2	Y 360.076	222434.8	222434.8	99.8006 %	12:17:11
2	Ag 328.068†	190.7	191.1	[0.00] ug/L	12:17:11
2	As 188.979†	-28.0	-28.1	[0.00] ug/L	12:17:31
2	B 249.677†	308.8	309.4	[0.00] ug/L	12:17:31
2	Be 234.861†	-730.8	-732.2	[0.00] ug/L	12:17:31
2	Cd 214.437†	389.7	390.5	[0.00] ug/L	12:17:31
2	Ce 413.764†	809.8	811.4	[0.00] ug/L	12:17:11
2	Co 228.616†	-76.5	-76.7	[0.00] ug/L	12:17:31
2	Cr 205.557†	-20.9	-20.9	[0.00] ug/L	12:17:31
2	Cu 327.397†	-40.4	-40.4	[0.00] ug/L	12:17:11
2	Mn 257.610†	179.8	180.2	[0.00] ug/L	12:17:31
2	Mo 202.031†	92.1	92.3	[0.00] ug/L	12:17:31
2	Ni 231.604†	363.9	364.7	[0.00] ug/L	12:17:31
2	Pb 220.353†	29.0	29.1	[0.00] ug/L	12:17:31
2	Sb 217.584†	-41.6	-41.7	[0.00] ug/L	12:17:31
2	Se 196.026†	-30.9	-31.0	[0.00] ug/L	12:17:31
2	Si 251.611†	212.5	212.9	[0.00] ug/L	12:17:31
2	Sn 189.927†	7.8	7.9	[0.00] ug/L	12:17:31
2	Tl 190.801†	-36.7	-36.7	[0.00] ug/L	12:17:31
2	V 292.395†	-1370.3	-1373.1	[0.00] ug/L	12:17:11
2	Zn 206.200†	-70.0	-70.1	[0.00] ug/L	12:17:31

Mean Data: 0A19026-CAL1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	137168.3	2630.85	1.92%	100.000	%
Y 360.076	222879.3	628.65	0.28%	100.000	%
Ag 328.068†	183.1	11.25	6.14%	[0.00]	ug/L
Al 396.153†	181.4	11.68	6.44%	[0.00]	ug/L
As 188.979†	-26.3	2.52	9.59%	[0.00]	ug/L
B 249.677†	306.5	4.02	1.31%	[0.00]	ug/L
Ba 455.398†	-11.7	12.63	107.82%	[0.00]	ug/L
Be 234.861†	-731.5	1.09	0.15%	[0.00]	ug/L
Ca 315.887†	128.4	2.11	1.64%	[0.00]	mg/L

Cd 214.437†	387.3	4.48	1.16%	[0.00] ug/L
Ce 413.764†	808.9	3.55	0.44%	[0.00] ug/L
Co 228.616†	-74.9	2.56	3.42%	[0.00] ug/L
Cr 205.557†	-24.0	4.30	17.93%	[0.00] ug/L
Cu 327.397†	-59.5	27.02	45.37%	[0.00] ug/L
Fe 238.204†	35.1	2.45	6.97%	[0.00] ug/L
K 766.490	55.7	6.10	10.95%	[0.00] mg/L
Li 670.784†	-30.8	40.10	130.31%	[0.00] ug/L
Mg 279.071†	14.1	5.50	39.15%	[0.00] mg/L
Mn 257.610†	173.7	9.18	5.29%	[0.00] ug/L
Mo 202.031†	88.4	5.56	6.30%	[0.00] ug/L
Na 589.592†	497.4	13.28	2.67%	[0.00] mg/L
Ni 231.604†	364.6	0.14	0.04%	[0.00] ug/L
Pb 220.353†	26.8	3.21	11.97%	[0.00] ug/L
Sb 217.584†	-39.3	3.29	8.36%	[0.00] ug/L
Se 196.026†	-33.7	3.84	11.39%	[0.00] ug/L
Si 251.611†	211.5	2.02	0.95%	[0.00] ug/L
Sn 189.927†	4.3	4.98	114.77%	[0.00] ug/L
Sr 407.771†	296.8	50.45	17.00%	[0.00] ug/L
Ti 334.940†	-8.9	1.55	17.52%	[0.00] ug/L
Tl 190.801†	-36.8	0.06	0.18%	[0.00] ug/L
V 292.395†	-1348.4	34.90	2.59%	[0.00] ug/L
Zn 206.200†	-70.9	1.14	1.61%	[0.00] ug/L

Sequence No.: 2
Sample ID: 0A19026-CAL2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 1/19/2010 12:18:43 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A19026-CAL2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	137853.7	137853.7	100.500	%	12:19:48
1	Al 396.153†	413.5	230.0	[50.00]	ug/L	12:19:48
1	Ba 455.398†	2844.9	2842.5	[10.00]	ug/L	12:19:48
1	Ca 315.887†	814.9	682.4	[0.500]	mg/L	12:20:08
1	Fe 238.204†	63.9	28.5	[10.00]	ug/L	12:20:08
1	K 766.490	99.2	43.5	[0.100]	mg/L	12:19:48
1	Li 670.784†	255.2	284.7	[8.00]	ug/L	12:19:48
1	Mg 279.071†	237.2	222.0	[0.500]	mg/L	12:20:08
1	Na 589.592†	3907.2	3390.4	[0.500]	mg/L	12:19:48
1	Sr 407.771†	37950.3	37464.8	[50.00]	ug/L	12:19:48
1	Y 360.076	224425.0	224425.0	100.693	%	12:20:39
1	Ag 328.068†	459.3	273.1	[5.000]	ug/L	12:20:39
1	As 188.979†	30.0	56.1	[100.00]	ug/L	12:20:59
1	B 249.677†	1141.1	826.7	[50.00]	ug/L	12:20:39
1	Be 234.861†	-566.3	169.0	[1.000]	ug/L	12:20:59
1	Cd 214.437†	488.8	98.1	[5.00]	ug/L	12:20:59
1	Co 228.616†	-18.6	56.4	[10.00]	ug/L	12:20:59
1	Cr 205.557†	62.1	85.6	[10.00]	ug/L	12:20:59
1	Cu 327.397†	266.9	324.6	[10.00]	ug/L	12:20:39
1	Mn 257.610†	1367.1	1184.0	[10.00]	ug/L	12:20:59
1	Ni 231.604†	450.2	82.6	[10.00]	ug/L	12:20:59
1	Pb 220.353†	97.0	69.5	[50.00]	ug/L	12:20:59
1	Sb 217.584†	75.4	114.2	[100.00]	ug/L	12:20:59
1	Se 196.026†	-12.6	21.2	[100.00]	ug/L	12:20:59
1	Si 251.611†	1180.1	960.5	[100.00]	ug/L	12:20:59
1	Sn 189.927†	164.2	158.7	[100.00]	ug/L	12:20:59
1	Tl 190.801†	27.0	63.6	[100.00]	ug/L	12:20:59
1	V 292.395†	-1067.3	288.5	[10.00]	ug/L	12:20:39
1	Zn 206.200†	8.0	78.9	[10.00]	ug/L	12:20:59
2	Sc 357.234	139140.8	139140.8	101.438	%	12:20:13
2	Al 396.153†	451.9	264.1	[50.00]	ug/L	12:20:13
2	Ba 455.398†	2849.5	2820.8	[10.00]	ug/L	12:20:13
2	Ca 315.887†	834.1	693.9	[0.500]	mg/L	12:20:33
2	Fe 238.204†	57.0	21.1	[10.00]	ug/L	12:20:33
2	K 766.490	132.8	77.1	[0.100]	mg/L	12:20:13
2	Li 670.784†	256.2	283.4	[8.00]	ug/L	12:20:13

2	Mg 279.071†	237.3	219.9	[0.500] mg/L	12:20:33
2	Na 589.592†	3910.0	3357.2	[0.500] mg/L	12:20:13
2	Sr 407.771†	38184.5	37346.3	[50.00] ug/L	12:20:13
2	Y 360.076	223466.5	223466.5	100.263 %	12:21:05
2	Ag 328.068†	435.7	251.5	[5.000] ug/L	12:21:05
2	As 188.979†	25.9	52.2	[100.00] ug/L	12:21:25
2	B 249.677†	1187.3	877.7	[50.00] ug/L	12:21:05
2	Be 234.861†	-570.4	162.6	[1.000] ug/L	12:21:25
2	Cd 214.437†	488.0	99.4	[5.00] ug/L	12:21:25
2	Co 228.616†	-21.3	53.6	[10.00] ug/L	12:21:25
2	Cr 205.557†	74.3	98.1	[10.00] ug/L	12:21:25
2	Cu 327.397†	296.9	355.7	[10.00] ug/L	12:21:05
2	Mn 257.610†	1369.7	1192.5	[10.00] ug/L	12:21:25
2	Ni 231.604†	466.5	100.7	[10.00] ug/L	12:21:25
2	Pb 220.353†	94.5	67.4	[50.00] ug/L	12:21:25
2	Sb 217.584†	73.8	112.9	[100.00] ug/L	12:21:25
2	Se 196.026†	-3.4	30.3	[100.00] ug/L	12:21:25
2	Si 251.611†	1198.9	984.2	[100.00] ug/L	12:21:25
2	Sn 189.927†	169.4	164.6	[100.00] ug/L	12:21:25
2	Tl 190.801†	20.3	57.1	[100.00] ug/L	12:21:25
2	V 292.395†	-992.0	359.0	[10.00] ug/L	12:21:05
2	Zn 206.200†	3.6	74.5	[10.00] ug/L	12:21:25

Mean Data: 0A19026-CAL2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	138497.2	910.16	0.66%	100.969	%
Y 360.076	223945.7	677.70	0.30%	100.478	%
Ag 328.068†	262.3	15.25	5.82%	[5.000]	ug/L
Al 396.153†	247.1	24.11	9.76%	[50.00]	ug/L
As 188.979†	54.1	2.75	5.09%	[100.00]	ug/L
B 249.677†	852.2	36.06	4.23%	[50.00]	ug/L
Ba 455.398†	2831.6	15.34	0.54%	[10.00]	ug/L
Be 234.861†	165.8	4.58	2.76%	[1.000]	ug/L
Ca 315.887†	688.2	8.11	1.18%	[0.500]	mg/L
Cd 214.437†	98.8	0.94	0.95%	[5.00]	ug/L
Co 228.616†	55.0	1.99	3.61%	[10.00]	ug/L
Cr 205.557†	91.8	8.77	9.55%	[10.00]	ug/L
Cu 327.397†	340.1	21.99	6.47%	[10.00]	ug/L
Fe 238.204†	24.8	5.25	21.18%	[10.00]	ug/L
K 766.490	60.3	23.78	39.42%	[0.100]	mg/L
Li 670.784†	284.0	0.90	0.32%	[8.00]	ug/L
Mg 279.071†	220.9	1.45	0.66%	[0.500]	mg/L
Mn 257.610†	1188.2	6.01	0.51%	[10.00]	ug/L
Na 589.592†	3373.8	23.50	0.70%	[0.500]	mg/L
Ni 231.604†	91.6	12.79	13.96%	[10.00]	ug/L
Pb 220.353†	68.5	1.51	2.20%	[50.00]	ug/L
Sb 217.584†	113.5	0.91	0.80%	[100.00]	ug/L
Se 196.026†	25.8	6.40	24.83%	[100.00]	ug/L
Si 251.611†	972.4	16.78	1.73%	[100.00]	ug/L
Sn 189.927†	161.7	4.18	2.58%	[100.00]	ug/L
Sr 407.771†	37405.6	83.78	0.22%	[50.00]	ug/L
Tl 190.801†	60.4	4.65	7.71%	[100.00]	ug/L
V 292.395†	323.7	49.88	15.41%	[10.00]	ug/L
Zn 206.200†	76.7	3.10	4.04%	[10.00]	ug/L

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Sequence No.: 3
Sample ID: 0A19026-CAL3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 1/19/2010 12:22:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A19026-CAL3

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	138470.0	138470.0	100.949	%	12:23:43
1	Al 396.153†	1846.2	1647.5	[500.00]	ug/L	12:24:03
1	Ba 455.398†	29438.3	29173.3	[100.00]	ug/L	12:23:43

1	Ca 315.887†	1506.7	1364.1	[1.000] mg/L	12:24:03
1	Fe 238.204†	268.2	230.6	[100.00] ug/L	12:24:03
1	K 766.490	748.0	692.3	[1.000] mg/L	12:23:43
1	Li 670.784†	3744.7	3740.3	[100.00] ug/L	12:23:43
1	Mg 279.071†	485.8	467.2	[1.000] mg/L	12:24:03
1	Na 589.592†	7565.2	6996.8	[1.000] mg/L	12:23:43
1	Sr 407.771†	78674.0	77637.6	[100.00] ug/L	12:23:43
1	Ti 334.940†	1500.7	1495.5	[100.00] ug/L	12:24:03
1	Y 360.076	221851.3	221851.3	99.5387 %	12:24:35
1	Ag 328.068†	5734.0	5577.4	[100.00] ug/L	12:24:35
1	As 188.979†	233.2	260.6	[500.00] ug/L	12:24:55
1	B 249.677†	2129.2	1832.5	[100.00] ug/L	12:24:55
1	Be 234.861†	957.5	1693.4	[10.00] ug/L	12:24:55
1	Cd 214.437†	2317.2	1940.7	[100.00] ug/L	12:24:55
1	Co 228.616†	447.3	524.3	[100.00] ug/L	12:24:55
1	Cr 205.557†	922.2	950.5	[100.00] ug/L	12:24:55
1	Cu 327.397†	3021.8	3095.3	[100.00] ug/L	12:24:35
1	Mn 257.610†	12281.4	12164.7	[100.00] ug/L	12:24:35
1	Mo 202.031†	762.9	678.1	[100.00] ug/L	12:24:55
1	Ni 231.604†	1352.9	994.6	[100.00] ug/L	12:24:55
1	Pb 220.353†	164.9	138.8	[100.00] ug/L	12:24:55
1	Sb 217.584†	538.7	580.5	[500.00] ug/L	12:24:55
1	Se 196.026†	126.5	160.8	[500.00] ug/L	12:24:55
1	Si 251.611†	5142.9	4955.2	[500.00] ug/L	12:24:55
1	Sn 189.927†	888.0	887.8	[500.00] ug/L	12:24:55
1	Tl 190.801†	302.9	341.1	[500.00] ug/L	12:24:55
1	V 292.395†	2393.6	3753.1	[100.00] ug/L	12:24:55
1	Zn 206.200†	634.1	707.9	[100.00] ug/L	12:24:55
2	Sc 357.234	141014.0	141014.0	102.804 %	12:24:09
2	Al 396.153†	1847.1	1615.3	[500.00] ug/L	12:24:29
2	Ba 455.398†	29856.6	29054.1	[100.00] ug/L	12:24:09
2	Ca 315.887†	1508.9	1339.3	[1.000] mg/L	12:24:29
2	Fe 238.204†	267.6	225.2	[100.00] ug/L	12:24:29
2	K 766.490	790.5	734.9	[1.000] mg/L	12:24:09
2	Li 670.784†	3862.1	3787.6	[100.00] ug/L	12:24:09
2	Mg 279.071†	492.8	465.4	[1.000] mg/L	12:24:29
2	Na 589.592†	7689.4	6982.4	[1.000] mg/L	12:24:09
2	Sr 407.771†	79639.4	77170.7	[100.00] ug/L	12:24:09
2	Ti 334.940†	1529.9	1497.0	[100.00] ug/L	12:24:29
2	Y 360.076	226380.9	226380.9	101.571 %	12:25:00
2	Ag 328.068†	5787.1	5514.5	[100.00] ug/L	12:25:00
2	As 188.979†	243.3	265.8	[500.00] ug/L	12:25:20
2	B 249.677†	2135.9	1796.3	[100.00] ug/L	12:25:20
2	Be 234.861†	932.1	1649.2	[10.00] ug/L	12:25:20
2	Cd 214.437†	2325.9	1902.6	[100.00] ug/L	12:25:20
2	Co 228.616†	442.3	510.3	[100.00] ug/L	12:25:20
2	Cr 205.557†	908.0	917.9	[100.00] ug/L	12:25:20
2	Cu 327.397†	3009.9	3022.8	[100.00] ug/L	12:25:00
2	Mn 257.610†	12266.4	11903.0	[100.00] ug/L	12:25:00
2	Mo 202.031†	744.4	644.5	[100.00] ug/L	12:25:20
2	Ni 231.604†	1330.9	945.8	[100.00] ug/L	12:25:20
2	Pb 220.353†	171.8	142.3	[100.00] ug/L	12:25:20
2	Sb 217.584†	534.7	565.8	[500.00] ug/L	12:25:20
2	Se 196.026†	121.8	153.7	[500.00] ug/L	12:25:20
2	Si 251.611†	5166.4	4875.0	[500.00] ug/L	12:25:20
2	Sn 189.927†	875.3	857.4	[500.00] ug/L	12:25:20
2	Tl 190.801†	304.1	336.2	[500.00] ug/L	12:25:20
2	V 292.395†	2378.2	3689.8	[100.00] ug/L	12:25:20
2	Zn 206.200†	630.7	691.8	[100.00] ug/L	12:25:20

Mean Data: 0A19026-CAL3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	139742.0	1798.82	1.29%	101.876	%
Y 360.076	224116.1	3202.89	1.43%	100.555	%
Ag 328.068†	5546.0	44.51	0.80%	[100.00]	ug/L
Al 396.153†	1631.4	22.74	1.39%	[500.00]	ug/L
As 188.979†	263.2	3.73	1.42%	[500.00]	ug/L
B 249.677†	1814.4	25.59	1.41%	[100.00]	ug/L
Ba 455.398†	29113.7	84.26	0.29%	[100.00]	ug/L

Be 234.861†	1671.3	31.29	1.87%	[10.00] ug/L
Ca 315.887†	1351.7	17.54	1.30%	[1.000] mg/L
Cd 214.437†	1921.6	26.91	1.40%	[100.00] ug/L
Co 228.616†	517.3	9.88	1.91%	[100.00] ug/L
Cr 205.557†	934.2	23.02	2.46%	[100.00] ug/L
Cu 327.397†	3059.1	51.23	1.67%	[100.00] ug/L
Fe 238.204†	227.9	3.76	1.65%	[100.00] ug/L
K 766.490	713.6	30.08	4.21%	[1.000] mg/L
Li 670.784†	3763.9	33.47	0.89%	[100.00] ug/L
Mg 279.071†	466.3	1.30	0.28%	[1.000] mg/L
Mn 257.610†	12033.8	185.05	1.54%	[100.00] ug/L
Mo 202.031†	661.3	23.78	3.60%	[100.00] ug/L
Na 589.592†	6989.6	10.18	0.15%	[1.000] mg/L
Ni 231.604†	970.2	34.50	3.56%	[100.00] ug/L
Pb 220.353†	140.5	2.48	1.76%	[100.00] ug/L
Sb 217.584†	573.2	10.41	1.82%	[500.00] ug/L
Se 196.026†	157.2	5.04	3.21%	[500.00] ug/L
Si 251.611†	4915.1	56.74	1.15%	[500.00] ug/L
Sn 189.927†	872.6	21.49	2.46%	[500.00] ug/L
Sr 407.771†	77404.1	330.17	0.43%	[100.00] ug/L
Ti 334.940†	1496.2	1.06	0.07%	[100.00] ug/L
Tl 190.801†	338.7	3.50	1.03%	[500.00] ug/L
V 292.395†	3721.5	44.79	1.20%	[100.00] ug/L
Zn 206.200†	699.9	11.38	1.63%	[100.00] ug/L

Sequence No.: 4
Sample ID: 0A19026-CAL4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 1/19/2010 12:26:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A19026-CAL4

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	138800.8	138800.8	101.190	%	12:27:40
1	Al 396.153†	8501.8	8220.4	[2500.00]	ug/L	12:27:40
1	Ba 455.398†	151923.2	150148.1	[500.00]	ug/L	12:27:40
1	Ca 315.887†	7160.4	6947.8	[5.000]	mg/L	12:28:00
1	Fe 238.204†	1222.3	1172.9	[500.00]	ug/L	12:28:00
1	K 766.490	3769.2	3713.6	[5.000]	mg/L	12:28:00
1	Li 670.784†	19894.8	19691.6	[500.00]	ug/L	12:27:40
1	Mg 279.071†	2461.4	2418.4	[5.000]	mg/L	12:28:00
1	Na 589.592†	36623.7	35695.6	[5.000]	mg/L	12:27:40
1	Sr 407.771†	404830.0	399771.8	[500.00]	ug/L	12:27:40
1	Ti 334.940†	7689.9	7608.3	[500.00]	ug/L	12:28:00
1	Y 360.076	223000.2	223000.2	100.054	%	12:28:32
1	Ag 328.068†	28017.1	27818.8	[500.00]	ug/L	12:28:32
1	As 188.979†	1293.0	1318.6	[2500.00]	ug/L	12:28:52
1	B 249.677†	8669.8	8358.5	[500.00]	ug/L	12:28:32
1	Be 234.861†	7920.0	8647.2	[50.00]	ug/L	12:28:52
1	Cd 214.437†	10253.4	9860.5	[500.00]	ug/L	12:28:52
1	Co 228.616†	2610.4	2683.9	[500.00]	ug/L	12:28:52
1	Cr 205.557†	4762.2	4783.6	[500.00]	ug/L	12:28:52
1	Cu 327.397†	15905.2	15956.1	[500.00]	ug/L	12:28:32
1	Mn 257.610†	61667.3	61460.2	[500.00]	ug/L	12:28:32
1	Mo 202.031†	3477.7	3387.5	[500.00]	ug/L	12:28:52
1	Ni 231.604†	5403.4	5035.9	[500.00]	ug/L	12:28:52
1	Pb 220.353†	726.5	699.3	[500.00]	ug/L	12:28:52
1	Sb 217.584†	2885.8	2923.6	[2500.00]	ug/L	12:28:52
1	Se 196.026†	823.4	856.7	[2500.00]	ug/L	12:28:52
1	Si 251.611†	23783.8	23559.4	[2500.00]	ug/L	12:28:32
1	Sn 189.927†	4392.6	4385.9	[2500.00]	ug/L	12:28:52
1	Tl 190.801†	1743.5	1779.3	[2500.00]	ug/L	12:28:52
1	V 292.395†	17721.2	19060.0	[500.00]	ug/L	12:28:32
1	Zn 206.200†	3481.6	3550.6	[500.00]	ug/L	12:28:52
2	Sc 357.234	138782.2	138782.2	101.177	%	12:28:05
2	Al 396.153†	8488.3	8208.2	[2500.00]	ug/L	12:28:05
2	Ba 455.398†	152021.8	150265.6	[500.00]	ug/L	12:28:05
2	Ca 315.887†	7156.5	6944.9	[5.000]	mg/L	12:28:25

2	Fe 238.204†	1233.5	1184.0	[500.00] ug/L	12:28:25
2	K 766.490	3742.2	3686.5	[5.000] mg/L	12:28:25
2	Li 670.784†	19813.9	19614.3	[500.00] ug/L	12:28:05
2	Mg 279.071†	2459.9	2417.3	[5.000] mg/L	12:28:25
2	Na 589.592†	36608.3	35685.2	[5.000] mg/L	12:28:05
2	Sr 407.771†	405021.7	400014.8	[500.00] ug/L	12:28:05
2	Ti 334.940†	7671.5	7591.1	[500.00] ug/L	12:28:25
2	Y 360.076	224045.8	224045.8	100.523 %	12:28:57
2	Ag 328.068†	28321.5	27990.9	[500.00] ug/L	12:28:57
2	As 188.979†	1291.7	1311.3	[2500.00] ug/L	12:29:17
2	B 249.677†	8757.1	8405.0	[500.00] ug/L	12:28:57
2	Be 234.861†	7919.7	8609.9	[50.00] ug/L	12:29:17
2	Cd 214.437†	10246.6	9805.9	[500.00] ug/L	12:29:17
2	Co 228.616†	2596.6	2658.0	[500.00] ug/L	12:29:17
2	Cr 205.557†	4747.3	4746.5	[500.00] ug/L	12:29:17
2	Cu 327.397†	16055.0	16031.0	[500.00] ug/L	12:28:57
2	Mn 257.610†	62225.0	61727.4	[500.00] ug/L	12:28:57
2	Mo 202.031†	3484.6	3378.1	[500.00] ug/L	12:29:17
2	Ni 231.604†	5387.3	4994.7	[500.00] ug/L	12:29:17
2	Pb 220.353†	737.0	706.3	[500.00] ug/L	12:29:17
2	Sb 217.584†	2901.1	2925.4	[2500.00] ug/L	12:29:17
2	Se 196.026†	816.3	845.7	[2500.00] ug/L	12:29:17
2	Si 251.611†	24099.8	23762.9	[2500.00] ug/L	12:28:57
2	Sn 189.927†	4416.9	4389.6	[2500.00] ug/L	12:29:17
2	Tl 190.801†	1731.1	1758.9	[2500.00] ug/L	12:29:17
2	V 292.395†	17864.8	19120.2	[500.00] ug/L	12:28:57
2	Zn 206.200†	3486.5	3539.3	[500.00] ug/L	12:29:17

Mean Data: 0A19026-CAL4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	138791.5	13.12	0.01%	101.183	%
Y 360.076	223523.0	739.33	0.33%	100.289	%
Ag 328.068†	27904.9	121.72	0.44%	[500.00]	ug/L
Al 396.153†	8214.3	8.62	0.10%	[2500.00]	ug/L
As 188.979†	1315.0	5.16	0.39%	[2500.00]	ug/L
B 249.677†	8381.8	32.86	0.39%	[500.00]	ug/L
Ba 455.398†	150206.9	83.06	0.06%	[500.00]	ug/L
Be 234.861†	8628.6	26.37	0.31%	[50.00]	ug/L
Ca 315.887†	6946.3	2.04	0.03%	[5.000]	mg/L
Cd 214.437†	9833.2	38.56	0.39%	[500.00]	ug/L
Co 228.616†	2670.9	18.32	0.69%	[500.00]	ug/L
Cr 205.557†	4765.1	26.22	0.55%	[500.00]	ug/L
Cu 327.397†	15993.5	52.96	0.33%	[500.00]	ug/L
Fe 238.204†	1178.4	7.89	0.67%	[500.00]	ug/L
K 766.490	3700.1	19.11	0.52%	[5.000]	mg/L
Li 670.784†	19652.9	54.62	0.28%	[500.00]	ug/L
Mg 279.071†	2417.8	0.82	0.03%	[5.000]	mg/L
Mn 257.610†	61593.8	188.89	0.31%	[500.00]	ug/L
Mo 202.031†	3382.8	6.62	0.20%	[500.00]	ug/L
Na 589.592†	35690.4	7.35	0.02%	[5.000]	mg/L
Ni 231.604†	5015.3	29.18	0.58%	[500.00]	ug/L
Pb 220.353†	702.8	4.94	0.70%	[500.00]	ug/L
Sb 217.584†	2924.5	1.27	0.04%	[2500.00]	ug/L
Se 196.026†	851.2	7.76	0.91%	[2500.00]	ug/L
Si 251.611†	23661.1	143.87	0.61%	[2500.00]	ug/L
Sn 189.927†	4387.8	2.61	0.06%	[2500.00]	ug/L
Sr 407.771†	399893.3	171.80	0.04%	[500.00]	ug/L
Ti 334.940†	7599.7	12.15	0.16%	[500.00]	ug/L
Tl 190.801†	1769.1	14.44	0.82%	[2500.00]	ug/L
V 292.395†	19090.1	42.56	0.22%	[500.00]	ug/L
Zn 206.200†	3544.9	7.99	0.23%	[500.00]	ug/L

Sequence No.: 5
Sample ID: 0A19026-CAL5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 1/19/2010 12:30:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A19026-CAL5

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	140456.9	140456.9	102.397	%	12:31:37
1	Al 396.153†	16777.8	16203.6	[5000]	ug/L	12:31:57
1	Ba 455.398†	304908.2	297780.9	[1000]	ug/L	12:31:37
1	Ca 315.887†	14058.8	13601.2	[10]	mg/L	12:31:57
1	Fe 238.204†	2391.5	2300.4	[1000]	ug/L	12:31:57
1	K 766.490	7421.9	7366.2	[10]	mg/L	12:31:57
1	Li 670.784†	39887.4	38984.2	[1000]	ug/L	12:31:37
1	Mg 279.071†	4855.1	4727.4	[10]	mg/L	12:31:57
1	Na 589.592†	73153.7	70943.5	[10]	mg/L	12:31:37
1	Sr 407.771†	812976.3	793644.8	[1000]	ug/L	12:31:37
1	Ti 334.940†	15195.2	14848.3	[1000]	ug/L	12:31:57
1	Y 360.076	225779.6	225779.6	101.301	%	12:32:29
1	Ag 328.068†	56209.7	55304.5	[1000]	ug/L	12:32:29
1	As 188.979†	2599.5	2592.4	[5000]	ug/L	12:32:49
1	B 249.677†	17378.6	16848.8	[1000]	ug/L	12:32:49
1	Be 234.861†	16457.9	16977.9	[100]	ug/L	12:32:49
1	Cd 214.437†	19900.4	19257.5	[1000]	ug/L	12:32:49
1	Ce 413.764†	34199.3	32951.1	[1000]	ug/L	12:32:29
1	Co 228.616†	5210.0	5218.0	[1000]	ug/L	12:32:49
1	Cr 205.557†	9400.9	9304.1	[1000]	ug/L	12:32:49
1	Cu 327.397†	32030.7	31678.8	[1000]	ug/L	12:32:29
1	Mn 257.610†	122732.1	120981.9	[1000]	ug/L	12:32:29
1	Mo 202.031†	6802.9	6627.1	[1000]	ug/L	12:32:49
1	Ni 231.604†	10283.0	9786.3	[1000]	ug/L	12:32:49
1	Pb 220.353†	1410.4	1365.5	[1000]	ug/L	12:32:49
1	Sb 217.584†	5737.2	5702.8	[5000]	ug/L	12:32:49
1	Se 196.026†	1669.2	1681.4	[5000]	ug/L	12:32:49
1	Si 251.611†	46503.6	45694.7	[5000]	ug/L	12:32:29
1	Sn 189.927†	8661.9	8546.3	[5000]	ug/L	12:32:49
1	Tl 190.801†	3480.8	3472.9	[5000]	ug/L	12:32:49
1	V 292.395†	36970.0	37843.5	[1000]	ug/L	12:32:49
1	Zn 206.200†	6936.9	6918.7	[1000]	ug/L	12:32:49
2	Sc 357.234	141396.8	141396.8	103.083	%	12:32:02
2	Al 396.153†	16852.9	16167.5	[5000]	ug/L	12:32:22
2	Ba 455.398†	307798.4	298605.3	[1000]	ug/L	12:32:02
2	Ca 315.887†	14149.9	13598.4	[10]	mg/L	12:32:22
2	Fe 238.204†	2418.6	2311.1	[1000]	ug/L	12:32:22
2	K 766.490	7459.9	7404.2	[10]	mg/L	12:32:22
2	Li 670.784†	40316.3	39141.4	[1000]	ug/L	12:32:02
2	Mg 279.071†	4871.7	4712.0	[10]	mg/L	12:32:22
2	Na 589.592†	73703.9	71002.4	[10]	mg/L	12:32:02
2	Sr 407.771†	820632.5	795794.3	[1000]	ug/L	12:32:02
2	Ti 334.940†	15294.2	14845.7	[1000]	ug/L	12:32:22
2	Y 360.076	226043.8	226043.8	101.420	%	12:32:54
2	Ag 328.068†	56609.1	55633.5	[1000]	ug/L	12:32:54
2	As 188.979†	2599.8	2589.7	[5000]	ug/L	12:33:14
2	B 249.677†	17521.9	16970.1	[1000]	ug/L	12:33:14
2	Be 234.861†	16516.7	17016.9	[100]	ug/L	12:33:14
2	Cd 214.437†	20027.5	19359.8	[1000]	ug/L	12:33:14
2	Ce 413.764†	34430.9	33140.0	[1000]	ug/L	12:32:54
2	Co 228.616†	5233.0	5234.6	[1000]	ug/L	12:33:14
2	Cr 205.557†	9454.1	9345.7	[1000]	ug/L	12:33:14
2	Cu 327.397†	32290.9	31898.4	[1000]	ug/L	12:32:54
2	Mn 257.610†	123297.7	121397.9	[1000]	ug/L	12:32:54
2	Mo 202.031†	6846.1	6661.9	[1000]	ug/L	12:33:14
2	Ni 231.604†	10320.6	9811.6	[1000]	ug/L	12:33:14
2	Pb 220.353†	1412.4	1365.8	[1000]	ug/L	12:33:14
2	Sb 217.584†	5786.7	5745.0	[5000]	ug/L	12:33:14
2	Se 196.026†	1665.0	1675.5	[5000]	ug/L	12:33:14
2	Si 251.611†	46774.9	45908.6	[5000]	ug/L	12:32:54
2	Sn 189.927†	8697.5	8571.4	[5000]	ug/L	12:33:14
2	Tl 190.801†	3503.9	3491.6	[5000]	ug/L	12:33:14
2	V 292.395†	37176.6	38004.6	[1000]	ug/L	12:33:14
2	Zn 206.200†	6979.2	6952.4	[1000]	ug/L	12:33:14

Mean Data: 0A19026-CAL5

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	140926.9	664.63	0.47%	102.740	%
Y 360.076	225911.7	186.82	0.08%	101.361	%
Ag 328.068†	55469.0	232.65	0.42%	[1000]	ug/L
Al 396.153†	16185.6	25.51	0.16%	[5000]	ug/L
As 188.979†	2591.1	1.92	0.07%	[5000]	ug/L
B 249.677†	16909.4	85.75	0.51%	[1000]	ug/L
Ba 455.398†	298193.1	582.93	0.20%	[1000]	ug/L
Be 234.861†	16997.4	27.56	0.16%	[100]	ug/L
Ca 315.887†	13599.8	2.02	0.01%	[10]	mg/L
Cd 214.437†	19308.6	72.40	0.37%	[1000]	ug/L
Ce 413.764†	33045.5	133.56	0.40%	[1000]	ug/L
Co 228.616†	5226.3	11.74	0.22%	[1000]	ug/L
Cr 205.557†	9324.9	29.43	0.32%	[1000]	ug/L
Cu 327.397†	31788.6	155.28	0.49%	[1000]	ug/L
Fe 238.204†	2305.8	7.59	0.33%	[1000]	ug/L
K 766.490	7385.2	26.87	0.36%	[10]	mg/L
Li 670.784†	39062.8	111.13	0.28%	[1000]	ug/L
Mg 279.071†	4719.7	10.86	0.23%	[10]	mg/L
Mn 257.610†	121189.9	294.18	0.24%	[1000]	ug/L
Mo 202.031†	6644.5	24.63	0.37%	[1000]	ug/L
Na 589.592†	70972.9	41.60	0.06%	[10]	mg/L
Ni 231.604†	9799.0	17.85	0.18%	[1000]	ug/L
Pb 220.353†	1365.7	0.25	0.02%	[1000]	ug/L
Sb 217.584†	5723.9	29.81	0.52%	[5000]	ug/L
Se 196.026†	1678.4	4.23	0.25%	[5000]	ug/L
Si 251.611†	45801.7	151.22	0.33%	[5000]	ug/L
Sn 189.927†	8558.9	17.77	0.21%	[5000]	ug/L
Sr 407.771†	794719.6	1519.94	0.19%	[1000]	ug/L
Ti 334.940†	14847.0	1.87	0.01%	[1000]	ug/L
Tl 190.801†	3482.2	13.26	0.38%	[5000]	ug/L
V 292.395†	37924.1	113.87	0.30%	[1000]	ug/L
Zn 206.200†	6935.5	23.79	0.34%	[1000]	ug/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	4	Lin, Calc Int	15.6	55.52	0.00000	0.999995	
Al 396.153	4	Lin, Calc Int	47.3	3.235	0.00000	0.999968	
As 188.979	4	Lin, Calc Int	4.4	0.5187	0.00000	0.999973	
B 249.677	4	Lin, Calc Int	31.1	16.85	0.00000	0.999957	
Ba 455.398	4	Lin, Calc Int	-123.3	298.7	0.00000	0.999988	
Be 234.861	4	Lin, Calc Int	6.1	170.4	0.00000	0.999966	
Ca 315.887	4	Lin, Calc Int	18.0	1363	0.00000	0.999938	
Cd 214.437	4	Lin, Calc Int	20.0	19.35	0.00000	0.999956	
Ce 413.764	1	Lin, Calc Int	0.0	33.05	0.00000	1.000000	
Co 228.616	4	Lin, Calc Int	6.4	5.241	0.00000	0.999936	
Cr 205.557	4	Lin, Calc Int	12.6	9.350	0.00000	0.999939	
Cu 327.397	4	Lin, Calc Int	-15.9	31.84	0.00000	0.999985	
Fe 238.204	4	Lin, Calc Int	2.9	2.312	0.00000	0.999935	
K 766.490	4	Lin, Calc Int	-11.0	740.0	0.00000	0.999994	
Li 670.784	4	Lin, Calc Int	-36.8	39.15	0.00000	0.999987	
Mg 279.071	4	Lin, Calc Int	0.4	474.1	0.00000	0.999907	
Mn 257.610	4	Lin, Calc Int	89.4	121.5	0.00000	0.999964	
Mo 202.031	3	Lin, Calc Int	9.8	6.656	0.00000	0.999950	
Na 589.592	4	Lin, Calc Int	-65.5	7112	0.00000	0.999991	
Ni 231.604	4	Lin, Calc Int	9.2	9.832	0.00000	0.999925	
Pb 220.353	4	Lin, Calc Int	3.7	1.369	0.00000	0.999892	
Sb 217.584	4	Lin, Calc Int	7.6	1.148	0.00000	0.999939	
Se 196.026	4	Lin, Calc Int	-4.3	0.3376	0.00000	0.999942	
Si 251.611	4	Lin, Calc Int	212.0	9.172	0.00000	0.999862	
Sn 189.927	4	Lin, Calc Int	15.1	1.717	0.00000	0.999917	
Sr 407.771	4	Lin, Calc Int	-1089.4	796.9	0.00000	0.999987	
Ti 334.940	3	Lin, Calc Int	37.8	14.87	0.00000	0.999920	
Tl 190.801	4	Lin, Calc Int	-2.5	0.6991	0.00000	0.999955	
V 292.395	4	Lin, Calc Int	-23.9	38.00	0.00000	0.999991	
Zn 206.200	4	Lin, Calc Int	13.8	6.949	0.00000	0.999941	

Sequence No.: 6
Sample ID: 0A19026-SCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 1/19/2010 12:34:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A19026-SCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	139037.4	139037.4	101.363	%			12:35:35
1	Al 396.153†	8336.5	8043.0	2463.42	ug/L	2463.42	ug/L	12:35:55
1	Ba 455.398†	150190.3	148183.0	496.449	ug/L	496.449	ug/L	12:35:35
1	Ca 315.887†	7146.1	6921.6	5.06357	mg/L	5.06357	mg/L	12:35:55
1	Fe 238.204†	1220.1	1168.6	503.537	ug/L	503.537	ug/L	12:35:55
1	K 766.490	3704.4	3648.7	4.94546	mg/L	4.94546	mg/L	12:35:55
1	Li 670.784†	19709.8	19475.7	498.446	ug/L	498.446	ug/L	12:35:55
1	Mg 279.071†	2480.1	2432.7	5.13035	mg/L	5.13035	mg/L	12:35:55
1	Na 589.592†	36277.0	35292.0	4.97126	mg/L	4.97126	mg/L	12:35:35
1	Sr 407.771†	408424.5	402637.1	506.627	ug/L	506.627	ug/L	12:35:35
1	Ti 334.940†	7661.1	7567.0	506.338	ug/L	506.338	ug/L	12:35:55
1	Y 360.076	226041.8	226041.8	101.419	%			12:36:27
1	Ag 328.068†	28740.9	28155.7	507.116	ug/L	507.116	ug/L	12:36:27
1	As 188.979†	1287.4	1295.7	2484.92	ug/L	2484.92	ug/L	12:36:47
1	B 249.677†	8832.8	8402.7	495.522	ug/L	495.522	ug/L	12:36:27
1	Be 234.861†	7824.7	8446.7	49.3509	ug/L	49.3509	ug/L	12:36:47
1	Cd 214.437†	10208.8	9678.7	498.508	ug/L	498.508	ug/L	12:36:47
1	Ce 413.764†	857.1	36.2	1.00102	ug/L	1.00102	ug/L	12:36:27
1	Co 228.616†	2557.8	2596.9	493.165	ug/L	493.165	ug/L	12:36:47
1	Cr 205.557†	4802.5	4759.3	507.395	ug/L	507.395	ug/L	12:36:47
1	Cu 327.397†	16077.6	15912.3	500.625	ug/L	500.625	ug/L	12:36:27
1	Mn 257.610†	61949.4	60909.0	500.736	ug/L	500.736	ug/L	12:36:27
1	Mo 202.031†	3481.1	3344.0	500.943	ug/L	500.943	ug/L	12:36:47
1	Ni 231.604†	5415.8	4975.5	505.201	ug/L	505.201	ug/L	12:36:47
1	Pb 220.353†	729.4	692.4	502.063	ug/L	502.063	ug/L	12:36:47
1	Sb 217.584†	2452.6	2457.6	2136.92	ug/L	2136.92	ug/L	12:36:47
1	Se 196.026†	818.4	840.6	2503.75	ug/L	2503.75	ug/L	12:36:47
1	Si 251.611†	23512.8	22972.4	2468.47	ug/L	2468.47	ug/L	12:36:27
1	Sn 189.927†	4343.7	4278.6	2484.61	ug/L	2484.61	ug/L	12:36:47
1	Tl 190.801†	1734.9	1747.4	2505.44	ug/L	2505.44	ug/L	12:36:47
1	V 292.395†	17720.8	18821.3	500.695	ug/L	500.695	ug/L	12:36:47
1	Zn 206.200†	3446.3	3468.9	497.147	ug/L	497.147	ug/L	12:36:47
2	Sc 357.234	138871.5	138871.5	101.242	%			12:36:00
2	Al 396.153†	8365.3	8081.3	2475.10	ug/L	2475.10	ug/L	12:36:20
2	Ba 455.398†	150940.1	149100.5	499.521	ug/L	499.521	ug/L	12:36:00
2	Ca 315.887†	7155.2	6939.0	5.07631	mg/L	5.07631	mg/L	12:36:20
2	Fe 238.204†	1211.4	1161.4	500.412	ug/L	500.412	ug/L	12:36:20
2	K 766.490	3697.0	3641.4	4.93552	mg/L	4.93552	mg/L	12:36:20
2	Li 670.784†	19765.6	19554.0	500.447	ug/L	500.447	ug/L	12:36:20
2	Mg 279.071†	2473.2	2428.8	5.12204	mg/L	5.12204	mg/L	12:36:20
2	Na 589.592†	36446.4	35502.0	5.00079	mg/L	5.00079	mg/L	12:36:00
2	Sr 407.771†	409995.4	404670.1	509.178	ug/L	509.178	ug/L	12:36:00
2	Ti 334.940†	7688.6	7603.2	508.774	ug/L	508.774	ug/L	12:36:20
2	Y 360.076	223852.5	223852.5	100.437	%			12:36:52
2	Ag 328.068†	28514.6	28207.5	508.047	ug/L	508.047	ug/L	12:36:52
2	As 188.979†	1292.0	1312.7	2517.79	ug/L	2517.79	ug/L	12:37:12
2	B 249.677†	8716.9	8372.5	493.714	ug/L	493.714	ug/L	12:36:52
2	Be 234.861†	7880.5	8577.7	50.1207	ug/L	50.1207	ug/L	12:37:12
2	Cd 214.437†	10282.6	9850.6	507.382	ug/L	507.382	ug/L	12:37:12
2	Ce 413.764†	830.2	17.7	0.438657	ug/L	0.438657	ug/L	12:36:52
2	Co 228.616†	2565.6	2629.3	499.341	ug/L	499.341	ug/L	12:37:12
2	Cr 205.557†	4802.5	4805.6	512.342	ug/L	512.342	ug/L	12:37:12
2	Cu 327.397†	15916.2	15906.5	500.446	ug/L	500.446	ug/L	12:36:52
2	Mn 257.610†	61418.5	60977.8	501.302	ug/L	501.302	ug/L	12:36:52
2	Mo 202.031†	3508.5	3404.9	510.096	ug/L	510.096	ug/L	12:37:12
2	Ni 231.604†	5455.3	5067.1	514.520	ug/L	514.520	ug/L	12:37:12
2	Pb 220.353†	736.8	706.7	512.550	ug/L	512.550	ug/L	12:37:12
2	Sb 217.584†	2467.5	2496.1	2170.50	ug/L	2170.50	ug/L	12:37:12
2	Se 196.026†	827.3	857.5	2553.56	ug/L	2553.56	ug/L	12:37:12
2	Si 251.611†	23288.3	22975.6	2468.76	ug/L	2468.76	ug/L	12:37:12
2	Sn 189.927†	4371.0	4347.6	2524.83	ug/L	2524.83	ug/L	12:37:12

2	Ti 190.801†	1739.3	1768.5	2535.60 ug/L	2535.60 ug/L	[illegible]
2	V 292.395†	17564.1	18836.1	501.180 ug/L	501.180 ug/L	12:36:52
2	Zn 206.200†	3454.9	3510.8	503.173 ug/L	503.173 ug/L	12:37:12

Mean Data: 0A19026-SCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	138954.5	101.302	%	0.0855				0.08%
Y 360.076	224947.1	100.928	%	0.6946				0.69%
Ag 328.068†	28181.6	507.581	ug/L	0.6587	507.581	ug/L	0.6587	0.13
QC value within limits for Ag 328.068 Recovery = 101.52%								
Al 396.153†	8062.2	2469.26	ug/L	8.256	2469.26	ug/L	8.256	0.33%
QC value within limits for Al 396.153 Recovery = 98.77%								
As 188.979†	1304.2	2501.35	ug/L	23.241	2501.35	ug/L	23.241	0.93%
QC value within limits for As 188.979 Recovery = 100.05%								
B 249.677†	8387.6	494.618	ug/L	1.2783	494.618	ug/L	1.2783	0.26%
QC value within limits for B 249.677 Recovery = 98.92%								
Ba 455.398†	148641.7	497.985	ug/L	2.1718	497.985	ug/L	2.1718	0.44%
QC value within limits for Ba 455.398 Recovery = 99.60%								
Be 234.861†	8512.2	49.7358	ug/L	0.54434	49.7358	ug/L	0.54434	1.09%
QC value within limits for Be 234.861 Recovery = 99.47%								
Ca 315.887†	6930.3	5.06994	mg/L	0.009007	5.06994	mg/L	0.009007	0.18%
QC value within limits for Ca 315.887 Recovery = 101.40%								
Cd 214.437†	9764.6	502.945	ug/L	6.2744	502.945	ug/L	6.2744	1.25%
QC value within limits for Cd 214.437 Recovery = 100.59%								
Ce 413.764†	26.9	0.719837	ug/L	0.3976485	0.719837	ug/L	0.3976485	55.24%
Co 228.616†	2613.1	496.253	ug/L	4.3671	496.253	ug/L	4.3671	0.88%
QC value within limits for Co 228.616 Recovery = 99.25%								
Cr 205.557†	4782.5	509.869	ug/L	3.4980	509.869	ug/L	3.4980	0.69%
QC value within limits for Cr 205.557 Recovery = 101.97%								
Cu 327.397†	15909.4	500.536	ug/L	0.1267	500.536	ug/L	0.1267	0.03%
QC value within limits for Cu 327.397 Recovery = 100.11%								
Fe 238.204†	1165.0	501.974	ug/L	2.2099	501.974	ug/L	2.2099	0.44%
QC value within limits for Fe 238.204 Recovery = 100.39%								
K 766.490	3645.0	4.94049	mg/L	0.007026	4.94049	mg/L	0.007026	0.14
QC value within limits for K 766.490 Recovery = 98.81%								
Li 670.784†	19514.8	499.447	ug/L	1.4144	499.447	ug/L	1.4144	0.28%
QC value within limits for Li 670.784 Recovery = 99.89%								
Mg 279.071†	2430.8	5.12620	mg/L	0.005875	5.12620	mg/L	0.005875	0.11%
QC value within limits for Mg 279.071 Recovery = 102.52%								
Mn 257.610†	60943.4	501.019	ug/L	0.4004	501.019	ug/L	0.4004	0.08%
QC value within limits for Mn 257.610 Recovery = 100.20%								
Mo 202.031†	3374.5	505.519	ug/L	6.4718	505.519	ug/L	6.4718	1.28%
QC value within limits for Mo 202.031 Recovery = 101.10%								
Na 589.592†	35397.0	4.98603	mg/L	0.020883	4.98603	mg/L	0.020883	0.42%
QC value within limits for Na 589.592 Recovery = 99.72%								
Ni 231.604†	5021.3	509.861	ug/L	6.5894	509.861	ug/L	6.5894	1.29%
QC value within limits for Ni 231.604 Recovery = 101.97%								
Pb 220.353†	699.6	507.307	ug/L	7.4154	507.307	ug/L	7.4154	1.46
QC value within limits for Pb 220.353 Recovery = 101.46%								
Sb 217.584†	2476.9	2153.71	ug/L	23.743	2153.71	ug/L	23.743	1.10%
QC value less than the lower limit for Sb 217.584 Recovery = 86.15%								
Se 196.026†	849.1	2528.66	ug/L	35.221	2528.66	ug/L	35.221	1.39%
QC value within limits for Se 196.026 Recovery = 101.15%								
Si 251.611†	22974.0	2468.61	ug/L	0.199	2468.61	ug/L	0.199	0.01%
QC value within limits for Si 251.611 Recovery = 98.74%								
Sn 189.927†	4313.1	2504.72	ug/L	28.439	2504.72	ug/L	28.439	1.14%
QC value within limits for Sn 189.927 Recovery = 100.19%								
Sr 407.771†	403653.6	507.903	ug/L	1.8039	507.903	ug/L	1.8039	0.36%
QC value within limits for Sr 407.771 Recovery = 101.58%								
Ti 334.940†	7585.1	507.556	ug/L	1.7223	507.556	ug/L	1.7223	0.34
QC value within limits for Ti 334.940 Recovery = 101.51%								
Tl 190.801†	1757.9	2520.52	ug/L	21.324	2520.52	ug/L	21.324	0.85%
QC value within limits for Tl 190.801 Recovery = 100.82%								
V 292.395†	18828.7	500.938	ug/L	0.3428	500.938	ug/L	0.3428	0.07%
QC value within limits for V 292.395 Recovery = 100.19%								
Zn 206.200†	3489.9	500.160	ug/L	4.2610	500.160	ug/L	4.2610	0.85%
QC value within limits for Zn 206.200 Recovery = 100.03%								

QC Failed. Continue with analysis.

Sequence No.: 7
Sample ID: 0A19026-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 1/19/2010 12:38:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A19026-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	138502.9	138502.9	100.973	%			12:39:30
1	Al 396.153†	204.1	20.8	-8.15056	ug/L	-8.15056	ug/L	12:39:30
1	Ba 455.398†	30.2	41.7	0.552194	ug/L	0.552194	ug/L	12:39:30
1	Ca 315.887†	157.9	28.0	0.0073043	mg/L	0.0073043	mg/L	12:39:50
1	Fe 238.204†	37.8	2.4	-0.233537	ug/L	-0.233537	ug/L	12:39:50
1	K 766.490	-0.7	-56.4	-0.0613423	mg/L	-0.0613423	mg/L	12:39:30
1	Li 670.784†	-3.7	27.1	1.63218	ug/L	1.63218	ug/L	12:39:30
1	Mg 279.071†	10.7	-3.5	-0.0081266	mg/L	-0.0081266	mg/L	12:39:50
1	Na 589.592†	510.4	8.2	0.0103636	mg/L	0.0103636	mg/L	12:39:30
1	Sr 407.771†	301.3	1.6	1.36901	ug/L	1.36901	ug/L	12:39:30
1	Ti 334.940†	-6.5	2.5	-2.37735	ug/L	-2.37735	ug/L	12:39:50
1	Y 360.076	223152.4	223152.4	100.123	%			12:40:22
1	Ag 328.068†	170.3	-13.0	-0.500672	ug/L	-0.500672	ug/L	12:40:22
1	As 188.979†	-21.8	4.5	0.256351	ug/L	0.256351	ug/L	12:40:42
1	B 249.677†	387.8	80.8	2.95205	ug/L	2.95205	ug/L	12:40:42
1	Be 234.861†	-728.9	3.4	-0.0156058	ug/L	-0.0156058	ug/L	12:40:42
1	Cd 214.437†	390.4	2.6	-0.899682	ug/L	-0.899682	ug/L	12:40:42
1	Ce 413.764†	901.9	91.9	2.78341	ug/L	2.78341	ug/L	12:40:22
1	Co 228.616†	-72.6	2.3	-0.775707	ug/L	-0.775707	ug/L	12:40:42
1	Cr 205.557†	-22.9	1.1	-1.23217	ug/L	-1.23217	ug/L	12:40:42
1	Cu 327.397†	-52.7	6.9	0.715864	ug/L	0.715864	ug/L	12:40:22
1	Mn 257.610†	179.5	5.6	-0.689592	ug/L	-0.689592	ug/L	12:40:42
1	Mo 202.031†	82.2	-6.3	-2.42252	ug/L	-2.42252	ug/L	12:40:42
1	Ni 231.604†	364.2	-0.9	-1.02542	ug/L	-1.02542	ug/L	12:40:42
1	Pb 220.353†	31.6	4.8	0.770329	ug/L	0.770329	ug/L	12:40:42
1	Sb 217.584†	-32.2	7.2	-0.317832	ug/L	-0.317832	ug/L	12:40:42
1	Se 196.026†	-46.1	-12.3	-23.7082	ug/L	-23.7082	ug/L	12:40:42
1	Si 251.611†	330.0	118.1	-10.1692	ug/L	-10.1692	ug/L	12:40:42
1	Sn 189.927†	23.1	18.8	2.15410	ug/L	2.15410	ug/L	12:40:42
1	Tl 190.801†	-38.3	-1.5	1.50601	ug/L	1.50601	ug/L	12:40:42
1	V 292.395†	-1287.7	62.3	2.24426	ug/L	2.24426	ug/L	12:40:42
1	Zn 206.200†	-60.7	10.3	-0.503270	ug/L	-0.503270	ug/L	12:40:42
2	Sc 357.234	139750.8	139750.8	101.883	%			12:39:55
2	Al 396.153†	180.7	-4.0	-15.8339	ug/L	-15.8339	ug/L	12:39:55
2	Ba 455.398†	33.4	44.5	0.561744	ug/L	0.561744	ug/L	12:39:55
2	Ca 315.887†	158.9	27.6	0.0070077	mg/L	0.0070077	mg/L	12:40:15
2	Fe 238.204†	37.8	2.0	-0.377724	ug/L	-0.377724	ug/L	12:40:15
2	K 766.490	52.5	-3.1	0.0106492	mg/L	0.0106492	mg/L	12:39:55
2	Li 670.784†	-31.4	-0.0	0.938515	ug/L	0.938515	ug/L	12:39:55
2	Mg 279.071†	11.0	-3.3	-0.0076943	mg/L	-0.0076943	mg/L	12:40:15
2	Na 589.592†	489.9	-16.5	0.0068926	mg/L	0.0068926	mg/L	12:39:55
2	Sr 407.771†	300.0	-2.3	1.36411	ug/L	1.36411	ug/L	12:39:55
2	Ti 334.940†	-14.1	-5.0	-2.87739	ug/L	-2.87739	ug/L	12:40:15
2	Y 360.076	222891.1	222891.1	100.005	%			12:40:47
2	Ag 328.068†	159.7	-23.4	-0.695427	ug/L	-0.695427	ug/L	12:40:47
2	As 188.979†	-18.3	8.0	6.96511	ug/L	6.96511	ug/L	12:41:07
2	B 249.677†	374.4	67.9	2.19390	ug/L	2.19390	ug/L	12:41:07
2	Be 234.861†	-740.7	-9.2	-0.0897741	ug/L	-0.0897741	ug/L	12:41:07
2	Cd 214.437†	399.6	12.3	-0.396879	ug/L	-0.396879	ug/L	12:41:07
2	Ce 413.764†	856.3	47.4	1.43487	ug/L	1.43487	ug/L	12:40:47
2	Co 228.616†	-80.5	-5.6	-2.28658	ug/L	-2.28658	ug/L	12:41:07
2	Cr 205.557†	-24.4	-0.4	-1.39185	ug/L	-1.39185	ug/L	12:41:07
2	Cu 327.397†	-51.4	8.1	0.752967	ug/L	0.752967	ug/L	12:40:47
2	Mn 257.610†	191.4	17.7	-0.590033	ug/L	-0.590033	ug/L	12:41:07
2	Mo 202.031†	87.5	-0.9	-1.60862	ug/L	-1.60862	ug/L	12:41:07
2	Ni 231.604†	348.8	-15.8	-2.53902	ug/L	-2.53902	ug/L	12:41:07
2	Pb 220.353†	29.3	2.5	-0.906237	ug/L	-0.906237	ug/L	12:41:07
2	Sb 217.584†	-42.1	-2.8	-9.05042	ug/L	-9.05042	ug/L	12:41:07
2	Se 196.026†	-39.4	-5.6	-3.93372	ug/L	-3.93372	ug/L	12:41:07
2	Si 251.611†	329.7	118.2	-10.1506	ug/L	-10.1506	ug/L	12:41:07

2	Sn 189.927†	21.8	17.5	1.37984 ug/L	1.37984 ug/L	12:41:07
2	Tl 190.801†	-42.1	-5.3	-4.00762 ug/L	-4.00762 ug/L	12:41:07
2	V 292.395†	-1315.5	33.0	1.48221 ug/L	1.48221 ug/L	12:41:47
2	Zn 206.200†	-64.0	6.9	-0.993063 ug/L	-0.993063 ug/L	12:41:07

Mean Data: 0A19026-CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	139126.9	101.428	%	0.6433				0.63%
Y 360.076	223021.8	100.064	%	0.0829				0.08%
Ag 328.068†	-18.2	-0.598050	ug/L	0.1377128	-0.598050	ug/L	0.1377128	23.03%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	8.4	-11.9922	ug/L	5.43294	-11.9922	ug/L	5.43294	45.30%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	6.2	3.61073	ug/L	4.743808	3.61073	ug/L	4.743808	131.38%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	74.3	2.57298	ug/L	0.536095	2.57298	ug/L	0.536095	20.84%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	43.1	0.556969	ug/L	0.0067530	0.556969	ug/L	0.0067530	1.21%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	-2.9	-0.0526899	ug/L	0.05244485	-0.0526899	ug/L	0.05244485	99.53%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	27.8	0.0071560	mg/L	0.00020968	0.0071560	mg/L	0.00020968	2.93%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	7.4	-0.648280	ug/L	0.3555353	-0.648280	ug/L	0.3555353	54.84%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	69.7	2.10914	ug/L	0.953559	2.10914	ug/L	0.953559	45.21%
Co 228.616†	-1.6	-1.53114	ug/L	1.068347	-1.53114	ug/L	1.068347	69.77%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	0.4	-1.31201	ug/L	0.112909	-1.31201	ug/L	0.112909	8.61%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	7.5	0.734416	ug/L	0.0262355	0.734416	ug/L	0.0262355	3.57%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	2.2	-0.305631	ug/L	0.1019553	-0.305631	ug/L	0.1019553	33.36%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	-29.8	-0.0253466	mg/L	0.05090563	-0.0253466	mg/L	0.05090563	200.84%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	13.5	1.28535	ug/L	0.490495	1.28535	ug/L	0.490495	38.16%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	-3.4	-0.0079105	mg/L	0.00030569	-0.0079105	mg/L	0.00030569	3.86%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	11.7	-0.639812	ug/L	0.0703988	-0.639812	ug/L	0.0703988	11.00
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-3.6	-2.01557	ug/L	0.575514	-2.01557	ug/L	0.575514	28.55%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-4.2	0.0086281	mg/L	0.00245441	0.0086281	mg/L	0.00245441	28.45%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-8.3	-1.78222	ug/L	1.070276	-1.78222	ug/L	1.070276	60.05%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	3.6	-0.0679542	ug/L	1.18551087	-0.0679542	ug/L	1.18551087	>999.9%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	2.2	-4.68413	ug/L	6.174872	-4.68413	ug/L	6.174872	131.83%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	-9.0	-13.8210	ug/L	13.98270	-13.8210	ug/L	13.98270	101.17%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	118.1	-10.1599	ug/L	0.01314	-10.1599	ug/L	0.01314	0.13
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	18.1	1.76697	ug/L	0.547485	1.76697	ug/L	0.547485	30.98%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	-0.4	1.36656	ug/L	0.003469	1.36656	ug/L	0.003469	0.25%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	-1.3	-2.62737	ug/L	0.353585	-2.62737	ug/L	0.353585	13.46%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-3.4	-1.25080	ug/L	3.898726	-1.25080	ug/L	3.898726	311.70%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	47.6	1.86323	ug/L	0.538854	1.86323	ug/L	0.538854	28.92%
QC value within limits for V 292.395 Recovery = Not calculated								
Zn 206.200†	8.6	-0.748166	ug/L	0.3463361	-0.748166	ug/L	0.3463361	46.29%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 8
Sample ID: 0A19026-CRL1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 1/19/2010 12:42:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A19026-CRL1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	138322.0	138322.0	100.841	%			12:43:2[illegible]
1	Al 396.153†	637.6	450.8	121.156	ug/L	121.156	ug/L	12:43:2[illegible]
1	Ba 455.398†	6400.3	6358.6	21.6980	ug/L	21.6980	ug/L	12:43:28
1	Ca 315.887†	1633.5	1491.4	1.08070	mg/L	1.08070	mg/L	12:43:48
1	Fe 238.204†	88.1	52.2	21.2502	ug/L	21.2502	ug/L	12:43:48
1	K 766.490	190.4	134.8	0.196985	mg/L	0.196985	mg/L	12:43:28
1	Li 670.784†	604.5	630.3	17.0394	ug/L	17.0394	ug/L	12:43:28
1	Mg 279.071†	528.3	509.9	1.07461	mg/L	1.07461	mg/L	12:43:48
1	Na 589.592†	8149.7	7584.4	1.07557	mg/L	1.07557	mg/L	12:43:[illegible]
1	Sr 407.771†	85458.7	84449.1	107.340	ug/L	107.340	ug/L	12:43:28
1	Ti 334.940†	3070.9	3054.2	202.851	ug/L	202.851	ug/L	12:43:28
1	Y 360.076	223611.9	223611.9	100.329	%			12:44:19
1	Ag 328.068†	743.0	557.4	9.78569	ug/L	9.78569	ug/L	12:44:39
1	As 188.979†	92.1	118.1	217.894	ug/L	217.894	ug/L	12:44:39
1	B 249.677†	2078.7	1765.4	102.751	ug/L	102.751	ug/L	12:44:39
1	Be 234.861†	-359.3	373.4	2.14738	ug/L	2.14738	ug/L	12:44:39
1	Cd 214.437†	602.3	213.0	9.99275	ug/L	9.99275	ug/L	12:44:39
1	Ce 413.764†	852.5	40.8	1.16272	ug/L	1.16272	ug/L	12:44:19
1	Co 228.616†	32.8	107.6	18.8414	ug/L	18.8414	ug/L	12:44:39
1	Cr 205.557†	189.9	213.2	21.4433	ug/L	21.4433	ug/L	12:44:39
1	Cu 327.397†	616.0	673.5	21.7760	ug/L	21.7760	ug/L	12:44:[illegible]
1	Mn 257.610†	2855.5	2672.5	21.2669	ug/L	[illegible]	ug/L	[illegible]
1	Mo 202.031†	1471.5	1378.3	205.604	ug/L	205.604	ug/L	[illegible]
1	Ni 231.604†	571.7	205.3	20.2753	ug/L	20.2753	ug/L	12:44:39
1	Pb 220.353†	177.7	150.3	107.151	ug/L	107.151	ug/L	12:44:39
1	Sb 217.584†	188.8	227.5	191.752	ug/L	191.752	ug/L	12:44:[illegible]
1	Se 196.026†	31.1	64.7	204.602	ug/L	204.602	ug/L	12:44:[illegible]
1	Si 251.611†	2237.4	2018.6	191.670	ug/L	191.670	ug/L	12:44:[illegible]
1	Sn 189.927†	366.6	361.1	201.782	ug/L	201.782	ug/L	12:44:39
1	Tl 190.801†	107.3	143.7	211.061	ug/L	211.061	ug/L	12:44:39
1	V 292.395†	-618.7	731.7	21.9359	ug/L	21.9359	ug/L	12:44:39
1	Zn 206.200†	77.8	148.4	19.4864	ug/L	19.4864	ug/L	12:44:39
2	Sc 357.234	137970.0	137970.0	100.584	%			12:43:[illegible]
2	Al 396.153†	618.1	433.1	115.631	ug/L	115.631	ug/L	[illegible]
2	Ba 455.398†	6392.8	6367.3	21.7271	ug/L	21.7271	ug/L	[illegible]
2	Ca 315.887†	1632.8	1494.9	1.08327	mg/L	1.08327	mg/L	12:44:[illegible]
2	Fe 238.204†	86.4	50.8	20.6547	ug/L	20.6547	ug/L	12:44:[illegible]
2	K 766.490	189.8	134.1	0.196155	mg/L	0.196155	mg/L	12:43:[illegible]
2	Li 670.784†	628.1	655.2	17.6762	ug/L	17.6762	ug/L	12:43:[illegible]
2	Mg 279.071†	529.5	512.4	1.07993	mg/L	1.07993	mg/L	12:44:[illegible]
2	Na 589.592†	8171.8	7626.9	1.08156	mg/L	1.08156	mg/L	12:43:53
2	Sr 407.771†	85733.5	84938.5	107.954	ug/L	107.954	ug/L	12:43:53
2	Ti 334.940†	3086.7	3077.7	204.431	ug/L	204.431	ug/L	12:43:53
2	Y 360.076	220249.1	220249.1	98.8199	%			12:44:44
2	Ag 328.068†	740.2	565.9	9.94333	ug/L	9.94333	ug/L	12:45:04
2	As 188.979†	90.7	118.1	217.859	ug/L	217.859	ug/L	12:45:04
2	B 249.677†	2088.9	1807.3	105.230	ug/L	105.230	ug/L	12:45:04
2	Be 234.861†	-373.4	353.6	2.03147	ug/L	2.03147	ug/L	12:45:04
2	Cd 214.437†	600.6	220.5	10.3806	ug/L	10.3806	ug/L	12:45:04
2	Ce 413.764†	876.8	78.4	2.29994	ug/L	2.29994	ug/L	12:44:44
2	Co 228.616†	35.9	111.2	19.5424	ug/L	19.5424	ug/L	12:45:04
2	Cr 205.557†	177.2	203.3	20.3766	ug/L	20.3766	ug/L	12:45:04
2	Cu 327.397†	589.2	655.8	21.2211	ug/L	21.2211	ug/L	12:44:44
2	Mn 257.610†	2873.1	2733.7	21.7712	ug/L	21.7712	ug/L	12:45:04
2	Mo 202.031†	1466.9	1396.0	208.272	ug/L	208.272	ug/L	12:45:04
2	Ni 231.604†	565.6	207.8	20.5372	ug/L	20.5372	ug/L	12:45:04
2	Pb 220.353†	172.4	147.7	105.220	ug/L	105.220	ug/L	12:45:04
2	Sb 217.584†	197.1	238.8	201.547	ug/L	201.547	ug/L	12:45:04
2	Se 196.026†	34.5	68.6	216.106	ug/L	216.106	ug/L	12:45:04

2	Si 251.611†	2260.9	2076.5	197.941 ug/L	197.941 ug/L	12:45:[illegible]
2	Sn 189.927†	369.4	369.4	206.642 ug/L	206.642 ug/L	12:45:04
2	Tl 190.801†	114.6	152.8	224.029 ug/L	224.029 ug/L	12:45:04
2	V 292.395†	-621.9	719.0	21.6301 ug/L	21.6301 ug/L	12:45:04
2	Zn 206.200†	92.1	164.1	21.7484 ug/L	21.7484 ug/L	12:45:04

Mean Data: 0A19026-CRL1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	138146.0	100.713	%	0.1815				0.18%
Y 360.076	221930.5	99.5743	%	1.06688				1.07%
Ag 328.068†	561.7	9.86451	ug/L	0.111470	9.86451	ug/L	0.111470	1.13
QC value within limits for Ag 328.068 Recovery = 98.65%								
Al 396.153†	442.0	118.393	ug/L	3.9064	118.393	ug/L	3.9064	3.30
QC value within limits for Al 396.153 Recovery = 118.39%								
As 188.979†	118.1	217.876	ug/L	0.0243	217.876	ug/L	0.0243	0.01%
QC value within limits for As 188.979 Recovery = 108.94%								
B 249.677†	1786.3	103.991	ug/L	1.7532	103.991	ug/L	1.7532	1.69%
QC value within limits for B 249.677 Recovery = 103.99%								
Ba 455.398†	6363.0	21.7126	ug/L	0.02063	21.7126	ug/L	0.02063	0.09%
QC value within limits for Ba 455.398 Recovery = 108.56%								
Be 234.861†	363.5	2.08942	ug/L	0.081956	2.08942	ug/L	0.081956	3.92%
QC value within limits for Be 234.861 Recovery = 104.47%								
Ca 315.887†	1493.2	1.08198	mg/L	0.001814	1.08198	mg/L	0.001814	0.17%
QC value within limits for Ca 315.887 Recovery = 108.20%								
Cd 214.437†	216.8	10.1867	ug/L	0.27429	10.1867	ug/L	0.27429	2.69%
QC value within limits for Cd 214.437 Recovery = 101.87%								
Ce 413.764†	59.6	1.73133	ug/L	0.804142	1.73133	ug/L	0.804142	46.45%
Co 228.616†	109.4	19.1919	ug/L	0.49566	19.1919	ug/L	0.49566	2.58%
QC value within limits for Co 228.616 Recovery = 95.96%								
Cr 205.557†	208.2	20.9099	ug/L	0.75432	20.9099	ug/L	0.75432	3.61%
QC value within limits for Cr 205.557 Recovery = 104.55%								
Cu 327.397†	664.7	21.4985	ug/L	0.39234	21.4985	ug/L	0.39234	1.82%
QC value within limits for Cu 327.397 Recovery = 107.49%								
Fe 238.204†	51.5	20.9525	ug/L	0.42110	20.9525	ug/L	0.42110	2.01%
QC value within limits for Fe 238.204 Recovery = 104.76%								
K 766.490	134.5	0.196570	mg/L	0.0005870	0.196570	mg/L	0.0005870	0.30%
QC value within limits for K 766.490 Recovery = 98.28%								
Li 670.784†	642.7	17.3578	ug/L	0.45023	17.3578	ug/L	0.45023	2.59%
QC value within limits for Li 670.784 Recovery = 108.49%								
Mg 279.071†	511.1	1.07727	mg/L	0.003766	1.07727	mg/L	0.003766	0.35%
QC value within limits for Mg 279.071 Recovery = 107.73%								
Mn 257.610†	2703.1	21.5190	ug/L	0.35657	21.5190	ug/L	0.35657	1.66%
QC value within limits for Mn 257.610 Recovery = 107.60%								
Mo 202.031†	1387.2	206.938	ug/L	1.8862	206.938	ug/L	1.8862	0.91%
QC value within limits for Mo 202.031 Recovery = 103.47%								
Na 589.592†	7605.6	1.07857	mg/L	0.004233	1.07857	mg/L	0.004233	0.39%
QC value within limits for Na 589.592 Recovery = 107.86%								
Ni 231.604†	206.5	20.4062	ug/L	0.18513	20.4062	ug/L	0.18513	0.91%
QC value within limits for Ni 231.604 Recovery = 102.03%								
Pb 220.353†	149.0	106.186	ug/L	1.3659	106.186	ug/L	1.3659	1.29%
QC value within limits for Pb 220.353 Recovery = 106.19%								
Sb 217.584†	233.2	196.649	ug/L	6.9260	196.649	ug/L	6.9260	3.52%
QC value within limits for Sb 217.584 Recovery = 98.32%								
Se 196.026†	66.7	210.354	ug/L	8.1347	210.354	ug/L	8.1347	3.87%
QC value within limits for Se 196.026 Recovery = 105.18%								
Si 251.611†	2047.5	194.805	ug/L	4.4342	194.805	ug/L	4.4342	2.28%
QC value within limits for Si 251.611 Recovery = 97.40%								
Sn 189.927†	365.3	204.212	ug/L	3.4365	204.212	ug/L	3.4365	1.68%
QC value within limits for Sn 189.927 Recovery = 102.11%								
Sr 407.771†	84693.8	107.647	ug/L	0.4343	107.647	ug/L	0.4343	0.40%
QC value within limits for Sr 407.771 Recovery = 107.65%								
Ti 334.940†	3065.9	203.641	ug/L	1.1175	203.641	ug/L	1.1175	0.55%
QC value within limits for Ti 334.940 Recovery = 101.82%								
Tl 190.801†	148.3	217.545	ug/L	9.1702	217.545	ug/L	9.1702	4.22%
QC value within limits for Tl 190.801 Recovery = 108.77%								
V 292.395†	725.4	21.7830	ug/L	0.21623	21.7830	ug/L	0.21623	0.99%
QC value within limits for V 292.395 Recovery = 108.91%								
Zn 206.200†	156.3	20.6174	ug/L	1.59945	20.6174	ug/L	1.59945	7.76%
QC value within limits for Zn 206.200 Recovery = 103.09%								

All analyte(s) passed QC.

Sequence No.: 9
Sample ID: 0A19026-IFA1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 1/19/2010 12:46:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A19026-IFA1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	[illegible]	[illegible]	[illegible]				
1	Al 396.153†	330750.7	[illegible]	[illegible]				
1	Ba 455.398†	83.4	90.3	[illegible]				
1	Ca 315.887†	136804.6	136721.3	100.267	mg/L	[illegible]		
1	Fe 238.204†	93121.1	93116.6	40268.8	ug/L	40268.8	ug/L	[illegible]
1	K 766.490	62.4	6.7	0.0239218	mg/L	0.0239218	mg/L	[illegible]
1	Li 670.784†	9.3	40.1	1.96366	ug/L	1.96366	ug/L	[illegible]
1	Mg 279.071†	47730.2	47731.8	100.676	mg/L	100.676	mg/L	[illegible]
1	Na 589.592†	587.0	89.9	0.0218501	mg/L	0.0218501	mg/L	12:47:46
1	Sr 407.771†	987.5	691.0	2.23414	ug/L	2.23414	ug/L	12:47:46
1	Ti 334.940†	-24.3	-15.5	-3.58190	ug/L	-3.58190	ug/L	12:47:46
1	Y 360.076	217327.1	217327.1	97.5089	%			12:48:18
1	Ag 328.068†	-221.9	-410.7	-1.27866	ug/L	-1.27866	ug/L	12:48:18
1	As 188.979†	-32.6	-7.1	-22.0693	ug/L	-22.0693	ug/L	[illegible]
1	B 249.677†	360.5	63.2	6.45649	ug/L	6.45649	ug/L	[illegible]
1	Be 234.861†	1591.4	2363.6	-0.414908	ug/L	-0.414908	ug/L	[illegible]
1	Cd 214.437†	638.6	267.6	-1.94361	ug/L	-1.94361	ug/L	[illegible]
1	Ce 413.764†	807.2	19.0	0.575811	ug/L	0.575811	ug/L	[illegible]
1	Co 228.616†	-62.5	10.7	-0.587460	ug/L	-0.587460	ug/L	[illegible]
1	Cr 205.557†	-31.6	-8.4	0.226422	ug/L	0.226422	ug/L	[illegible]
1	Cu 327.397†	-68.8	-11.1	0.150224	ug/L	0.150224	ug/L	[illegible]
1	Mn 257.610†	273.3	106.6	1.65561	ug/L	1.65561	ug/L	[illegible]
1	Mo 202.031†	136.2	51.3	6.23610	ug/L	6.23610	ug/L	12:48:38
1	Ni 231.604†	347.3	-8.4	-1.78275	ug/L	-1.78275	ug/L	12:48:38
1	Pb 220.353†	27.5	1.4	-1.72186	ug/L	-1.72186	ug/L	12:48:38
1	Sb 217.584†	-235.5	-202.1	-61.7301	ug/L	-61.7301	ug/L	[illegible]
1	Se 196.026†	-55.4	-23.1	-8.18963	ug/L	[illegible]		
1	Si 251.611†	451.0	251.0	[illegible]				
1	Sn 189.927†	-64.3	-70.3	-27.8326	ug/L	-27.8326	ug/L	[illegible]
1	Tl 190.801†	-47.2	-11.6	-13.0053	ug/L	-13.0053	ug/L	[illegible]
1	V 292.395†	-1165.7	152.9	-2.64429	ug/L	-2.64429	ug/L	[illegible]
1	Zn 206.200†	-9.9	60.7	-0.746708	ug/L	-0.746708	ug/L	[illegible]
2	Sc 357.234	139506.6	139506.6	101.705	%			12:47:51
2	Al 396.153†	331838.8	326095.4	100810	ug/L	100810	ug/L	12:47:51
2	Ba 455.398†	89.1	99.4	0.745311	ug/L	0.745311	ug/L	12:48:11
2	Ca 315.887†	137180.0	134752.3	98.8229	mg/L	98.8229	mg/L	12:47:51
2	Fe 238.204†	93434.0	91832.8	39713.6	ug/L	39713.6	ug/L	12:47:51
2	K 766.490	73.9	18.2	0.0394652	mg/L	0.0394652	mg/L	12:48:11
2	Li 670.784†	13.0	43.6	2.05193	ug/L	2.05193	ug/L	12:48:11
2	Mg 279.071†	47902.9	47085.9	99.3135	mg/L	99.3135	mg/L	12:47:51
2	Na 589.592†	606.5	99.0	0.0231355	mg/L	0.0231355	mg/L	12:48:11
2	Sr 407.771†	982.1	668.8	2.20631	ug/L	2.20631	ug/L	12:48:11
2	Ti 334.940†	-29.7	-20.4	-3.91166	ug/L	-3.91166	ug/L	12:48:11
2	Y 360.076	218778.4	218778.4	98.1600	%			12:48:47
2	Ag 328.068†	-182.5	-369.0	-0.615578	ug/L	-0.615578	ug/L	12:48:47
2	As 188.979†	-31.4	-5.7	-19.4104	ug/L	-19.4104	ug/L	12:49:03
2	B 249.677†	352.1	52.2	5.73603	ug/L	5.73603	ug/L	12:49:03
2	Be 234.861†	1588.0	2349.3	-0.302226	ug/L	-0.302226	ug/L	12:48:43
2	Cd 214.437†	644.6	269.4	-1.64615	ug/L	-1.64615	ug/L	12:49:03
2	Ce 413.764†	823.7	30.2	0.916620	ug/L	0.916620	ug/L	12:48:43
2	Co 228.616†	-59.5	14.3	0.104812	ug/L	0.104812	ug/L	12:49:03
2	Cr 205.557†	-47.0	-23.9	-1.45967	ug/L	-1.45967	ug/L	[illegible]
2	Cu 327.397†	-78.5	-20.5	-0.145588	ug/L	[illegible]		
2	Mn 257.610†	236.0	66.8	1.30710	ug/L	[illegible]		
2	Mo 202.031†	149.3	63.8	8.10771	ug/L	8.10771	ug/L	12:49:03
2	Ni 231.604†	365.2	7.4	-0.166989	ug/L	-0.166989	ug/L	[illegible]
2	Pb 220.353†	19.2	-7.2	-7.99618	ug/L	-7.99618	ug/L	12:49:03
2	Sb 217.584†	-228.6	-193.6	-55.9449	ug/L	-55.9449	ug/L	12:49:03

2	Se 196.026†	-67.9	-35.5	-45.5859 ug/L	-45.5859 ug/L	12:49:03
2	Si 251.611†	442.0	238.8	13.2040 ug/L	13.2040 ug/L	12:49:03
2	Sn 189.927†	-67.7	-73.3	-29.9440 ug/L	-29.9440 ug/L	12:49:03
2	Tl 190.801†	-44.5	-8.6	-8.66950 ug/L	-8.66950 ug/L	12:49:03
2	V 292.395†	-1172.2	154.2	-2.48799 ug/L	-2.48799 ug/L	12:49:03
2	Zn 206.200†	-20.5	50.0	-2.18603 ug/L	-2.18603 ug/L	12:49:03

Mean Data: 0A19026-IFA1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	138314.9	100.836	%	1.2287				1.22%
Y 360.076	218052.8	97.8345	%	0.46046				0.47%
Ag 328.068†	-389.8	-0.947118	ug/L	0.4688685	-0.947118	ug/L	0.4688685	49.50%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	328386.8	101518	ug/L	1002.0	101518	ug/L	1002.0	0.99%
QC value within limits for Al 396.153 Recovery = 101.52%								
As 188.979†	-6.4	-20.7398	ug/L	1.88018	-20.7398	ug/L	1.88018	9.07%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	57.7	6.09626	ug/L	0.509447	6.09626	ug/L	0.509447	8.36%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	97.3	0.738339	ug/L	0.0098591	0.738339	ug/L	0.0098591	1.34%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	2356.4	-0.358567	ug/L	0.0796783	-0.358567	ug/L	0.0796783	22.2%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	135736.8	99.5450	mg/L	1.02116	99.5450	mg/L	1.02116	1.03%
QC value within limits for Ca 315.887 Recovery = 99.55%								
Cd 214.437†	268.5	-1.79488	ug/L	0.210335	-1.79488	ug/L	0.210335	11.72%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	24.6	0.746215	ug/L	0.2409879	0.746215	ug/L	0.2409879	32.3%
Co 228.616†	12.5	-0.241324	ug/L	0.4895098	-0.241324	ug/L	0.4895098	202.8%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	-16.1	-0.616622	ug/L	1.1922441	-0.616622	ug/L	1.1922441	193.3%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	-15.8	0.0023180	ug/L	0.20917095	0.0023180	ug/L	0.20917095	9029.9%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	92474.7	39991.2	ug/L	392.58	39991.2	ug/L	392.58	0.98%
QC value within limits for Fe 238.204 Recovery = 99.98%								
K 766.490	12.4	0.0316935	mg/L	0.01099086	0.0316935	mg/L	0.01099086	34.68%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	41.8	2.00779	ug/L	0.062416	2.00779	ug/L	0.062416	3.11%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	47408.9	99.9947	mg/L	0.96335	99.9947	mg/L	0.96335	0.96%
QC value within limits for Mg 279.071 Recovery = 99.99%								
Mn 257.610†	86.7	1.48136	ug/L	0.246432	1.48136	ug/L	0.246432	16.64%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	57.6	7.17191	ug/L	1.323428	7.17191	ug/L	1.323428	18.4%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	94.4	0.0224928	mg/L	0.00090891	0.0224928	mg/L	0.00090891	4.04%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-0.5	-0.974867	ug/L	1.1425125	-0.974867	ug/L	1.1425125	117.20%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-2.9	-4.85902	ug/L	4.436613	-4.85902	ug/L	4.436613	91.3%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	-197.9	-58.8375	ug/L	4.49677	-58.8375	ug/L	4.49677	7.64%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	-29.3	-26.8879	ug/L	26.44287	-26.8879	ug/L	26.44287	98.3%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	244.9	13.9370	ug/L	1.03662	13.9370	ug/L	1.03662	7.44%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-71.8	-28.8883	ug/L	1.49296	-28.8883	ug/L	1.49296	5.17%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	679.9	2.22023	ug/L	0.019682	2.22023	ug/L	0.019682	0.89%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	-17.9	-3.74678	ug/L	0.233176	-3.74678	ug/L	0.233176	6.22%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-10.1	-10.8374	ug/L	3.06588	-10.8374	ug/L	3.06588	28.29%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	153.6	-2.56614	ug/L	0.110520	-2.56614	ug/L	0.110520	4.31%
QC value within limits for V 292.395 Recovery = Not calculated								
Zn 206.200†	55.4	-1.46637	ug/L	1.017756	-1.46637	ug/L	1.017756	69.41%

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

Sequence No.: 10 **Autosampler Location: 12**
Sample ID: 0A19026-IFA2 **Date Collected: 1/19/2010 12:52:19 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0A19026-IFA2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	139290.2	139290.2	101.547	%			12:53:26
1	Al 396.153†	569.3	379.2	88.4611	ug/L	88.4611	ug/L	12:53:26
1	Ba 455.398†	111.5	121.5	0.819512	ug/L	0.819512	ug/L	12:53:26
1	Ca 315.887†	170.2	39.2	0.0155543	mg/L	0.0155543	mg/L	12:53:46
1	Fe 238.204†	49.0	13.2	-4.14366	ug/L	-4.14366	ug/L	12:53:46
1	K 766.490	66.4	10.7	0.0293190	mg/L	0.0293190	mg/L	12:53:26
1	Li 670.784†	173.0	201.1	6.07727	ug/L	6.07727	ug/L	12:53:26
1	Mg 279.071†	-70.5	-83.5	-0.176934	mg/L	-0.176934	mg/L	12:53:26
1	Na 589.592†	927.3	415.8	0.0676785	mg/L	0.0676785	mg/L	12:53:26
1	Sr 407.771†	417.3	114.1	1.51028	ug/L	1.51028	ug/L	12:53:26
1	Ti 334.940†	303302.8	298691.1	20084.5	ug/L	20084.5	ug/L	12:53:26
1	Y 360.076	223199.6	223199.6	100.144	%			12:54:13
1	Ag 328.068†	293.6	110.1	6.19148	ug/L	6.19148	ug/L	12:54:23
1	As 188.979†	71.6	97.8	1.06095	ug/L	1.06095	ug/L	12:54:43
1	B 249.677†	448.5	141.3	16.9026	ug/L	16.9026	ug/L	12:54:43
1	Be 234.861†	-677.0	55.4	0.287311	ug/L	0.287311	ug/L	12:54:43
1	Cd 214.437†	653.7	265.4	0.929117	ug/L	0.929117	ug/L	12:54:43
1	Ce 413.764†	1003.7	193.4	2.15618	ug/L	2.15618	ug/L	12:54:23
1	Co 228.616†	147.0	221.7	-3.78618	ug/L	-3.78618	ug/L	12:54:43
1	Cr 205.557†	187154.8	186910.2	19976.9	ug/L	19976.9	ug/L	12:54:18
1	Cu 327.397†	664028.2	663134.9	20846.9	ug/L	20846.9	ug/L	12:54:18
1	Mn 257.610†	2390521.1	2386917.0	19650.3	ug/L	19650.3	ug/L	12:54:18
1	Mo 202.031†	104.7	16.2	0.958231	ug/L	0.958231	ug/L	12:54:43
1	Ni 231.604†	200477.6	199825.4	20322.3	ug/L	20322.3	ug/L	12:54:18
1	Pb 220.353†	77.9	51.0	-6.33033	ug/L	-6.33033	ug/L	12:54:43
1	Sb 217.584†	-116.8	-77.3	-38.4874	ug/L	-38.4874	ug/L	12:54:43
1	Se 196.026†	-40.0	-6.3	-5.73259	ug/L	-5.73259	ug/L	12:54:43
1	Si 251.611†	6566.5	6345.6	142.757	ug/L	142.757	ug/L	12:54:23
1	Sn 189.927†	-4.9	-9.2	-14.1320	ug/L	-14.1320	ug/L	12:54:43
1	Tl 190.801†	-185.5	-148.5	18.2015	ug/L	18.2015	ug/L	12:54:43
1	V 292.395†	763062.1	763315.4	20069.1	ug/L	20069.1	ug/L	12:54:18
1	Zn 206.200†	72.1	142.9	10.5216	ug/L	10.5216	ug/L	12:54:18
2	Sc 357.234	139751.8	139751.8	101.863	%			12:55:14
2	Al 396.153†	568.7	376.8	87.8486	ug/L	87.8486	ug/L	12:55:14
2	Ba 455.398†	99.4	109.3	0.778529	ug/L	0.778529	ug/L	12:55:14
2	Ca 315.887†	162.5	31.1	0.0095804	mg/L	0.0095804	mg/L	12:54:11
2	Fe 238.204†	44.2	8.3	-6.41342	ug/L	-6.41342	ug/L	12:54:11
2	K 766.490	70.7	15.0	0.0351842	mg/L	0.0351842	mg/L	12:53:51
2	Li 670.784†	195.8	223.0	6.63526	ug/L	6.63526	ug/L	12:53:51
2	Mg 279.071†	-71.9	-84.6	-0.179229	mg/L	-0.179229	mg/L	12:54:11
2	Na 589.592†	934.7	420.1	0.0682773	mg/L	0.0682773	mg/L	12:53:51
2	Sr 407.771†	439.9	135.0	1.53639	ug/L	1.53639	ug/L	12:53:51
2	Ti 334.940†	301151.1	295592.8	19876.2	ug/L	19876.2	ug/L	12:53:51
2	Y 360.076	218370.4	218370.4	97.9770	%			12:54:49
2	Ag 328.068†	179.7	0.3	4.29090	ug/L	4.29090	ug/L	12:54:49
2	As 188.979†	69.2	96.9	0.0359977	ug/L	0.0359977	ug/L	12:54:49
2	B 249.677†	447.7	150.4	18.0284	ug/L	18.0284	ug/L	12:55:14
2	Be 234.861†	-679.4	38.1	0.186170	ug/L	0.186170	ug/L	12:55:14
2	Cd 214.437†	649.1	275.2	1.10979	ug/L	1.10979	ug/L	12:55:14
2	Ce 413.764†	1023.2	235.4	3.56844	ug/L	3.56844	ug/L	12:54:51
2	Co 228.616†	153.7	231.8	-1.38627	ug/L	-1.38627	ug/L	12:55:14
2	Cr 205.557†	186420.6	190293.8	20338.6	ug/L	20338.6	ug/L	12:54:49
2	Cu 327.397†	657946.9	671591.7	21112.5	ug/L	21112.5	ug/L	12:54:49
2	Mn 257.610†	2378203.0	2427134.3	19981.4	ug/L	19981.4	ug/L	12:54:49
2	Mo 202.031†	98.6	12.3	0.371393	ug/L	0.371393	ug/L	12:55:14
2	Ni 231.604†	199418.0	203171.1	20662.5	ug/L	20662.5	ug/L	12:54:49
2	Pb 220.353†	80.6	55.5	-3.91357	ug/L	-3.91357	ug/L	12:54:49

2	Sb 217.584†	-109.7	-72.6	-33.9425 ug/L	-33.9425 ug/L	[illegible]
2	Se 196.026†	-37.8	-4.9	-1.73544 ug/L	-1.73544 ug/L	12:[illegible]
2	Si 251.611†	6656.7	6582.7	174.065 ug/L	174.065 ug/L	12:[illegible]
2	Sn 189.927†	-15.6	-20.3	-20.5934 ug/L	-20.5934 ug/L	12:[illegible]
2	Tl 190.801†	-178.5	-145.4	21.2231 ug/L	21.2231 ug/L	12:[illegible]
2	V 292.395†	758657.8	775670.9	20394.3 ug/L	20394.3 ug/L	12:54:49
2	Zn 206.200†	49.7	121.7	7.32068 ug/L	7.32068 ug/L	12:54:54

Mean Data: 0A19026-IFA2

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	139521.0	101.715	%	0.2379				[illegible]
Y 360.076	220785.0	99.0603	%	1.53211				1.55%
Ag 328.068†	55.2	5.24119	ug/L	1.343908	5.24119	ug/L	1.343906	25.64
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	378.0	88.1548	ug/L	0.43307	88.1548	ug/L	0.43307	0.49%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	97.4	0.548475	ug/L	0.7247520	0.548475	ug/L	0.7247520	132.14%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	145.8	17.4655	ug/L	0.79609	17.4655	ug/L	0.79609	4.56%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	115.4	0.799020	ug/L	0.0289792	0.799020	ug/L	0.0289792	3.63%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	46.8	0.236741	ug/L	0.0715175	0.236741	ug/L	0.0715175	30.21
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	35.1	0.0125674	mg/L	0.00422417	0.0125674	mg/L	0.00422417	33.61%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	270.3	1.01945	ug/L	0.127755	1.01945	ug/L	0.127755	12.53
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	214.4	2.86231	ug/L	0.998621	2.86231	ug/L	0.998621	34.89%
Co 228.616†	226.7	-2.58622	ug/L	1.696987	-2.58622	ug/L	1.696987	65.62%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	188602.0	20157.8	ug/L	255.74	20157.8	ug/L	255.74	1.27%
QC value within limits for Cr 205.557 Recovery = 100.79%								
Cu 327.397†	667363.3	20979.7	ug/L	187.80	20979.7	ug/L	187.80	0.90%
QC value within limits for Cu 327.397 Recovery = 104.90%								
Fe 238.204†	10.7	-5.27854	ug/L	1.604962	-5.27854	ug/L	1.604962	30.41
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	12.9	0.0322516	mg/L	0.00414734	0.0322516	mg/L	0.00414734	12.86%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	212.1	6.35626	ug/L	0.394557	6.35626	ug/L	0.394557	6.21
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	-84.1	-0.178081	mg/L	0.0016231	-0.178081	mg/L	0.0016231	0.91%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	2407025.6	19815.9	ug/L	234.12	19815.9	ug/L	234.12	1.18%
QC value within limits for Mn 257.610 Recovery = 99.08%								
Mo 202.031†	14.2	0.664812	ug/L	0.4149568	0.664812	ug/L	0.4149568	62.42%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	417.9	0.0679779	mg/L	0.00042339	0.0679779	mg/L	0.00042339	0.62%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	201498.2	20492.4	ug/L	240.61	20492.4	ug/L	240.61	1.17%
QC value within limits for Ni 231.604 Recovery = 102.46%								
Pb 220.353†	53.2	-5.12195	ug/L	1.708903	-5.12195	ug/L	1.708903	33.36
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	-74.9	-36.2149	ug/L	3.21376	-36.2149	ug/L	3.21376	8.87
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	-5.6	-3.73402	ug/L	2.826413	-3.73402	ug/L	2.826413	75.69%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	6464.1	158.411	ug/L	22.1382	158.411	ug/L	22.1382	13.98%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-14.7	-17.3627	ug/L	4.56890	-17.3627	ug/L	4.56890	[illegible]
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	124.6	1.52334	ug/L	0.018465	1.52334	ug/L	[illegible]	[illegible]
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	297142.0	19980.3	ug/L	147.33	19980.3	ug/L	147.33	0.74
QC value within limits for Ti 334.940 Recovery = 99.90%								
Tl 190.801†	-146.9	19.7123	ug/L	2.13661	19.7123	ug/L	2.13661	10.84%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	769493.2	20231.7	ug/L	229.92	20231.7	ug/L	229.92	1.14%
QC value within limits for V 292.395 Recovery = 101.16%								

Zn 206.200† 132.3 8.92115 ug/L 2.263414 8.92115 ug/L 2.263414

QC value within limits for Zn 206.200 Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 11 **Autosampler Location: 13**
Sample ID: 0A19026-IFB1 **Date Collected: 1/19/2010 12:58:31 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0A19026-IFB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	138852.5	138852.5	101.228	%			12:59:[illegible]
1	Al 396.153†	330185.9	325999.5	100780	ug/L	100780	ug/L	12:59:[illegible]
1	Ba 455.398†	150814.4	148996.8	499.173	ug/L	499.173	ug/L	12:59:57
1	Ca 315.887†	136349.8	134567.5	98.6874	mg/L	98.6874	mg/L	[illegible]
1	Fe 238.204†	92693.3	91533.9	39583.9	ug/L	[illegible]	ug/L	[illegible]
1	K 766.490	65.2	9.6	0.0278178	mg/L	0.0278178	mg/L	1:[illegible]
1	Li 670.784†	-2.5	28.3	1.66172	ug/L	1.66172	ug/L	12:59:57
1	Mg 279.071†	47701.9	47109.2	99.3627	mg/L	99.3627	mg/L	12:59:57
1	Na 589.592†	604.2	99.5	0.0232039	mg/L	0.0232039	mg/L	12:59:57
1	Sr 407.771†	938.5	630.3	2.15796	ug/L	2.15796	ug/L	12:59:57
1	Ti 334.940†	-14.1	-5.1	-2.88683	ug/L	-2.88683	ug/L	12:59:57
1	Y 360.076	215894.9	215894.9	96.8663	%			13:00:29
1	Ag 328.068†	56364.8	58005.1	1050.94	ug/L	1050.94	ug/L	[illegible]
1	As 188.979†	-21.4	4.7	-1.32388	ug/L	[illegible]		
1	B 249.677†	369.5	75.0	6.05210	ug/L	[illegible]		
1	Be 234.861†	10184.7	11245.7	51.9540	ug/L	51.9540	ug/L	13:00:29
1	Cd 214.437†	18930.0	19155.1	973.361	ug/L	973.361	ug/L	13:00:[illegible]
1	Ce 413.764†	763.9	-20.3	-0.516421	ug/L	-0.516421	ug/L	[illegible]
1	Co 228.616†	2465.1	2619.7	497.156	ug/L	497.156	ug/L	13:00:49
1	Cr 205.557†	4557.1	4728.5	506.201	ug/L	506.201	ug/L	13:00:49
1	Cu 327.397†	16483.1	17075.9	536.868	ug/L	536.868	ug/L	13:00:29
1	Mn 257.610†	59510.8	61262.4	505.115	ug/L	505.115	ug/L	13:00:29
1	Mo 202.031†	144.8	61.1	7.71002	ug/L	7.71002	ug/L	13:00:49
1	Ni 231.604†	9729.6	9679.8	982.761	ug/L	982.761	ug/L	13:00:29
1	Pb 220.353†	1360.1	1377.2	1001.87	ug/L	1001.87	ug/L	13:00:49
1	Sb 217.584†	-250.7	-219.4	-77.0327	ug/L	-77.0327	ug/L	13:00:49
1	Se 196.026†	-50.4	-18.3	5.11199	ug/L	5.11199	ug/L	13:00:49
1	Si 251.611†	396.6	197.9	8.68420	ug/L	8.68420	ug/L	13:00:49
1	Sn 189.927†	-69.7	-76.3	-31.7052	ug/L	-31.7052	ug/L	13:00:49
1	Tl 190.801†	-44.8	-9.4	-12.3023	ug/L	-12.3023	ug/L	13:00:49
1	V 292.395†	17264.8	19171.7	497.836	ug/L	497.836	ug/L	[illegible]
1	Zn 206.200†	6541.0	6823.5	972.347	ug/L	972.347	ug/L	13:00:49
2	Sc 357.234	139490.7	139490.7	101.693	%			13:00:02
2	Al 396.153†	332350.3	326635.5	100977	ug/L	100977	ug/L	13:00:02
2	Ba 455.398†	152103.3	149582.6	501.134	ug/L	501.134	ug/L	13:00:02
2	Ca 315.887†	137204.3	134791.5	98.8517	mg/L	98.8517	mg/L	13:00:02
2	Fe 238.204†	93487.7	91896.1	39740.6	ug/L	39740.6	ug/L	13:00:02
2	K 766.490	70.6	14.9	0.0350571	mg/L	0.0350571	mg/L	13:00:02
2	Li 670.784†	18.7	49.2	2.19638	ug/L	2.19638	ug/L	[illegible]
2	Mg 279.071†	47995.6	47182.5	99.5172	mg/L	[illegible]		
2	Na 589.592†	612.4	104.8	0.0239523	mg/L	[illegible]		
2	Sr 407.771†	977.7	664.6	2.20107	ug/L	2.20107	ug/L	13:00:2[illegible]
2	Ti 334.940†	-21.9	-12.7	-3.39664	ug/L	-3.39664	ug/L	13:00:2[illegible]
2	Y 360.076	216472.4	216472.4	97.1254	%			13:00:5[illegible]
2	Ag 328.068†	56127.2	57605.3	1043.76	ug/L	1043.76	ug/L	13:00:54
2	As 188.979†	-25.7	-0.2	-9.87130	ug/L	-9.87130	ug/L	13:01:14
2	B 249.677†	381.0	85.7	6.70433	ug/L	6.70433	ug/L	13:01:14
2	Be 234.861†	10136.6	11168.0	51.4443	ug/L	51.4443	ug/L	13:00:54
2	Cd 214.437†	18853.8	19024.6	966.581	ug/L	966.581	ug/L	13:00:54
2	Ce 413.764†	763.6	-22.7	-0.590592	ug/L	-0.590592	ug/L	13:00:54
2	Co 228.616†	2470.4	2618.4	496.906	ug/L	496.906	ug/L	13:01:14
2	Cr 205.557†	4537.7	4695.9	502.733	ug/L	502.733	ug/L	13:01:14
2	Cu 327.397†	16374.8	16919.0	531.939	ug/L	531.939	ug/L	13:00:54
2	Mn 257.610†	59257.1	60837.2	501.620	ug/L	501.620	ug/L	13:00:54
2	Mo 202.031†	137.4	53.1	6.50660	ug/L	6.50660	ug/L	13:01:14
2	Ni 231.604†	9657.6	9578.9	972.497	ug/L	972.497	ug/L	13:00:54

2	Pb 220.353†	1373.1	1387.0	1008.98 ug/L	1008.98 ug/L	13:01:14
2	Sb 217.584†	-238.8	-206.5	-65.3430 ug/L	-65.3430 ug/L	13:01:14
2	Se 196.026†	-50.3	-18.1	5.90503 ug/L	5.90503 ug/L	13:01:14
2	Si 251.611†	373.7	173.3	6.05199 ug/L	6.05199 ug/L	13:01:14
2	Sn 189.927†	-76.3	-82.9	-35.5133 ug/L	-35.5133 ug/L	[illegible]
2	Tl 190.801†	-51.9	-16.7	-22.6662 ug/L	-22.6662 ug/L	[illegible]
2	V 292.395†	17180.7	19037.6	494.268 ug/L	494.268 ug/L	[illegible]
2	Zn 206.200†	6581.2	6846.9	975.705 ug/L	975.705 ug/L	13:01:14

Mean Data: 0A19026-IFB1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	139171.6	101.461	%	0.3290				0.32%
Y 360.076	216183.6	96.9958	%	0.18321				0.19%
Ag 328.068†	57805.2	1047.35	ug/L	5.077	1047.35	ug/L	5.077	0.48%
QC value within limits for Ag 328.068 Recovery = 104.74%								
Al 396.153†	326317.5	100878	ug/L	139.1	100878	ug/L	139.1	[illegible]
QC value within limits for Al 396.153 Recovery = 100.88%								
As 188.979†	2.0	-5.59734	ug/L	6.044291	-5.59734	ug/L	6.044291	107.99%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	80.3	6.37822	ug/L	0.461192	6.37822	ug/L	0.461192	[illegible]
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	149289.7	500.154	ug/L	1.3866	500.154	ug/L	1.3866	0.28
QC value within limits for Ba 455.398 Recovery = 100.03%								
Be 234.861†	11206.9	51.6991	ug/L	0.36044	51.6991	ug/L	0.36044	0.70%
QC value within limits for Be 234.861 Recovery = 103.40%								
Ca 315.887†	134679.5	98.7696	mg/L	0.11617	98.7696	mg/L	0.11617	0.12%
QC value within limits for Ca 315.887 Recovery = 98.77%								
Cd 214.437†	19089.8	969.971	ug/L	4.7945	969.971	ug/L	4.7945	0.49%
QC value within limits for Cd 214.437 Recovery = 97.00%								
Ce 413.764†	-21.5	-0.553507	ug/L	0.0524469	-0.553507	ug/L	0.0524469	[illegible]
Co 228.616†	2619.1	497.031	ug/L	0.1766	497.031	ug/L	0.1766	0.04
QC value within limits for Co 228.616 Recovery = 99.41%								
Cr 205.557†	4712.2	504.467	ug/L	2.4519	504.467	ug/L	2.4519	[illegible]
QC value within limits for Cr 205.557 Recovery = 100.89%								
Cu 327.397†	16997.4	534.403	ug/L	3.4860	534.403	ug/L	3.4860	[illegible]
QC value within limits for Cu 327.397 Recovery = 106.88%								
Fe 238.204†	91715.0	39662.2	ug/L	110.79	39662.2	ug/L	110.79	0.28%
QC value within limits for Fe 238.204 Recovery = 99.16%								
K 766.490	12.3	0.0314374	mg/L	0.00511894	0.0314374	mg/L	0.00511894	16.28%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	38.7	1.92905	ug/L	0.378060	1.92905	ug/L	[illegible]	[illegible]
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	47145.9	99.4399	mg/L	[illegible]	[illegible]			
QC value within limits for Mg 279.071 Recovery = 99.44%								
Mn 257.610†	61049.8	503.368	ug/L	2.4708	503.368	ug/L	2.4708	[illegible]
QC value within limits for Mn 257.610 Recovery = 100.67%								
Mo 202.031†	57.1	7.10831	ug/L	0.850941	7.10831	ug/L	0.850941	11.97%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	102.2	0.0235781	mg/L	0.00052915	0.0235781	mg/L	0.00052915	2.24%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	9629.3	977.629	ug/L	7.2575	977.629	ug/L	7.2575	0.74%
QC value within limits for Ni 231.604 Recovery = 97.76%								
Pb 220.353†	1382.1	1005.43	ug/L	5.031	1005.43	ug/L	5.031	0.50%
QC value within limits for Pb 220.353 Recovery = 100.54%								
Sb 217.584†	-213.0	-71.1878	ug/L	8.26585	-71.1878	ug/L	8.26585	11.61%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	-18.2	5.50851	ug/L	0.560761	5.50851	ug/L	0.560761	10.18%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	185.6	7.36810	ug/L	1.861251	7.36810	ug/L	[illegible]	[illegible]
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-79.6	-33.6092	ug/L	2.69269	-33.6092	ug/L	[illegible]	[illegible]
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	647.5	2.17952	ug/L	0.030483	2.17952	ug/L	0.030483	1.40%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	-8.9	-3.14174	ug/L	0.360492	-3.14174	ug/L	0.360492	11.47%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-13.1	-17.4842	ug/L	7.32839	-17.4842	ug/L	[illegible]	[illegible]
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	19104.7	496.052	ug/L	2.5228	496.052	ug/L	[illegible]	[illegible]

QC value within limits for V 292.395 Recovery = 99.21%
Zn 206.200† 6835.2 974.026 ug/L 2.3746 974.026 ug/L 2.3746
QC value within limits for Zn 206.200 Recovery = 97.40%
All analyte(s) passed QC.

Sequence No.: 12 **Autosampler Location: 14**
Sample ID: 0A19026-IFB2 **Date Collected: 1/19/2010 1:04:31 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0A19026-IFB2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	140445.8	140445.8	102.389	%			13:05:36
1	Al 396.153†	3828.4	3557.6	1054.40	ug/L	1054.40	ug/L	13:05:36
1	Ba 455.398†	255.2	261.0	1.28637	ug/L	1.28637	ug/L	13:05:36
1	Ca 315.887†	7077.6	6784.0	4.96265	mg/L	4.96265	mg/L	13:05:36
1	Fe 238.204†	54.7	18.4	-2.09668	ug/L	-2.09668	ug/L	13:05:56
1	K 766.490	90.4	34.7	0.0617645	mg/L	0.0617645	mg/L	13:05:36
1	Li 670.784†	225.8	251.3	7.35850	ug/L	7.35850	ug/L	13:05:36
1	Mg 279.071†	2415.7	2345.3	4.94593	mg/L	4.94593	mg/L	13:05:36
1	Na 589.592†	37174.2	35809.3	5.04400	mg/L	5.04400	mg/L	13:05:36
1	Sr 407.771†	782.0	466.9	1.95298	ug/L	1.95298	ug/L	13:05:36
1	Ti 334.940†	301632.6	294602.4	19809.5	ug/L	19809.5	ug/L	13:05:36
1	Y 360.076	222185.7	222185.7	99.6888	%			13:06:28
1	Ag 328.068†	316.6	134.5	6.65109	ug/L	6.65109	ug/L	13:06:33
1	As 188.979†	584.9	613.0	996.517	ug/L	996.517	ug/L	13:06:53
1	B 249.677†	16418.9	16163.6	967.791	ug/L	967.791	ug/L	13:06:33
1	Be 234.861†	-682.0	47.4	0.232324	ug/L	0.232324	ug/L	13:06:33
1	Cd 214.437†	647.2	261.9	0.811590	ug/L	0.811590	ug/L	13:06:33
1	Ce 413.764†	962.9	157.0	1.13165	ug/L	1.13165	ug/L	13:06:33
1	Co 228.616†	153.5	228.8	-1.78359	ug/L	-1.78359	ug/L	13:06:33
1	Cr 205.557†	184942.5	185543.8	19830.9	ug/L	19830.9	ug/L	13:06:33
1	Cu 327.397†	651600.0	653693.7	20550.2	ug/L	20550.2	ug/L	13:06:33
1	Mn 257.610†	2357907.5	2365095.0	19470.7	ug/L	19470.7	ug/L	13:06:33
1	Mo 202.031†	6708.0	6640.6	996.235	ug/L	996.235	ug/L	13:06:53
1	Ni 231.604†	197347.0	197598.6	20097.6	ug/L	20097.6	ug/L	13:06:28
1	Pb 220.353†	72.6	46.0	-9.43451	ug/L	-9.43451	ug/L	13:06:53
1	Sb 217.584†	998.1	1040.6	934.789	ug/L	934.789	ug/L	13:06:53
1	Se 196.026†	298.7	333.3	1000.30	ug/L	1000.30	ug/L	13:06:53
1	Si 251.611†	5090.6	4895.0	-8.19738	ug/L	-8.19738	ug/L	13:06:53
1	Sn 189.927†	-35.9	-40.3	-31.1972	ug/L	-31.1972	ug/L	13:06:53
1	Tl 190.801†	512.1	550.5	1015.09	ug/L	1015.09	ug/L	13:06:53
1	V 292.395†	754308.4	758011.7	19940.3	ug/L	19940.3	ug/L	13:06:28
1	Zn 206.200†	45.3	116.3	7.32716	ug/L	7.32716	ug/L	13:06:33
2	Sc 357.234	139711.1	139711.1	101.854	%			13:06:01
2	Al 396.153†	3805.7	3555.0	1053.59	ug/L	1053.59	ug/L	13:06:01
2	Ba 455.398†	232.6	240.0	1.21626	ug/L	1.21626	ug/L	13:06:01
2	Ca 315.887†	7148.8	6890.3	5.04057	mg/L	5.04057	mg/L	13:06:01
2	Fe 238.204†	41.7	5.8	-7.49562	ug/L	-7.49562	ug/L	13:06:21
2	K 766.490	60.6	4.9	0.0214839	mg/L	0.0214839	mg/L	13:06:01
2	Li 670.784†	154.2	182.2	5.59375	ug/L	5.59375	ug/L	13:06:01
2	Mg 279.071†	2398.6	2340.9	4.93662	mg/L	4.93662	mg/L	13:06:01
2	Na 589.592†	37397.3	36219.3	5.10164	mg/L	5.10164	mg/L	13:06:01
2	Sr 407.771†	817.9	506.2	2.00224	ug/L	2.00224	ug/L	13:06:01
2	Ti 334.940†	305018.8	299476.2	20137.3	ug/L	20137.3	ug/L	13:06:01
2	Y 360.076	224338.5	224338.5	100.615				
2	Ag 328.068†	260.1	75.3	5.57224	ug/L	5.57224	ug/L	13:06:01
2	As 188.979†	581.2	603.7	976.588	ug/L	976.588	ug/L	13:06:01
2	B 249.677†	16467.8	16054.2	961.005	ug/L	961.005	ug/L	13:06:01
2	Be 234.861†	-666.0	69.8	0.365843	ug/L	0.365843	ug/L	13:06:01
2	Cd 214.437†	639.9	248.4	0.235836	ug/L	0.235836	ug/L	13:07:24
2	Ce 413.764†	1016.6	203.1	2.38613	ug/L	2.38613	ug/L	13:07:04
2	Co 228.616†	148.0	221.9	-3.83860	ug/L	-3.83860	ug/L	13:07:24
2	Cr 205.557†	186236.2	185048.9	19778.0	ug/L	19778.0	ug/L	13:06:59
2	Cu 327.397†	655436.1	651232.5	20473.0	ug/L	20473.0	ug/L	13:06:59
2	Mn 257.610†	2372269.7	2356666.1	19401.3	ug/L	19401.3	ug/L	13:06:59
2	Mo 202.031†	6695.7	6563.8	984.700	ug/L	984.700	ug/L	13:07:04

2	Ni 231.604†	198726.9	197069.8	20043.8 ug/L	20043.8 ug/L	13:06:59
2	Pb 220.353†	73.6	46.3	-8.75993 ug/L	-8.75993 ug/L	13:07:24
2	Sb 217.584†	1005.2	1038.0	932.474 ug/L	932.474 ug/L	13:07:24
2	Se 196.026†	303.2	335.0	1005.12 ug/L	1005.12 ug/L	13:07:24
2	Si 251.611†	5149.6	4904.6	-15.7351 ug/L	-15.7351 ug/L	13:07:24
2	Sn 189.927†	-39.0	-43.1	-32.7946 ug/L	-32.7946 ug/L	13:07:24
2	Tl 190.801†	505.1	538.6	1001.09 ug/L	1001.09 ug/L	13:07:24
2	V 292.395†	758221.7	754638.4	19851.3 ug/L	19851.3 ug/L	13:06:59
2	Zn 206.200†	75.1	145.5	11.5467 ug/L	11.5467 ug/L	13:07:04

Mean Data: 0A19026-IFB2

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	140078.4	102.122	%	0.3788				[illegible]
Y 360.076	223262.1	100.172	%	0.6830				[illegible]
Ag 328.068†	104.9	6.11167	ug/L	0.762859	6.11167	ug/L	0.762859	[illegible]
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	3556.3	1054.00	ug/L	0.577	1054.00	ug/L	0.577	0.05%
QC value within limits for Al 396.153 Recovery = 105.40%								
As 188.979†	608.4	986.553	ug/L	14.0921	986.553	ug/L	14.0921	1.43%
QC value within limits for As 188.979 Recovery = 98.66%								
B 249.677†	16108.9	964.398	ug/L	4.7986	964.398	ug/L	4.7986	0.5[illegible]
QC value within limits for B 249.677 Recovery = 96.44%								
Ba 455.398†	250.5	1.25131	ug/L	0.049574	1.25131	ug/L	0.049574	3.96[illegible]
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	58.6	0.299084	ug/L	0.0944121	0.299084	ug/L	0.0944121	31.57%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	6837.2	5.00161	mg/L	0.055100	5.00161	mg/L	0.055100	1.10%
QC value within limits for Ca 315.887 Recovery = 100.03%								
Cd 214.437†	255.1	0.523713	ug/L	0.4071197	0.523713	ug/L	0.4071197	77.74%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	180.1	1.75889	ug/L	0.887047	1.75889	ug/L	0.887047	50.43%
Co 228.616†	225.4	-2.81109	ug/L	1.453109	-2.81109	ug/L	1.453109	51.69%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	185296.4	19804.5	ug/L	37.41	19804.5	ug/L	37.41	0.19%
QC value within limits for Cr 205.557 Recovery = 99.02%								
Cu 327.397†	652463.1	20511.6	ug/L	54.54	20511.6	ug/L	54.54	0.[illegible]
QC value within limits for Cu 327.397 Recovery = 102.56%								
Fe 238.204†	12.1	-4.79615	ug/L	3.817623	-4.79615	ug/L	3.817623	79.60[illegible]
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	19.8	0.0416242	mg/L	0.02848269	0.0416242	mg/L	0.02848269	68.4[illegible]
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	216.7	6.47613	ug/L	1.247864	6.47613	ug/L	1.247864	19.27[illegible]
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	2343.1	4.94128	mg/L	0.006583	4.94128	mg/L	0.006583	0.13%
QC value within limits for Mg 279.071 Recovery = 98.83%								
Mn 257.610†	2360880.6	19436.0	ug/L	49.07	19436.0	ug/L	49.07	0.2
QC value within limits for Mn 257.610 Recovery = 97.18%								
Mo 202.031†	6602.2	990.467	ug/L	8.1565	990.467	ug/L	[illegible]	[illegible]
QC value within limits for Mo 202.031 Recovery = 99.05%								
Na 589.592†	36014.3	5.07282	mg/L	0.040759	5.07282	mg/L	0.040759	0.80[illegible]
QC value within limits for Na 589.592 Recovery = 101.46%								
Ni 231.604†	197334.2	20070.7	ug/L	38.04	20070.7	ug/L	38.04	0.19[illegible]
QC value within limits for Ni 231.604 Recovery = 100.35%								
Pb 220.353†	46.1	-9.09722	ug/L	0.476999	-9.09722	ug/L	0.476999	5.24%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	1039.3	933.632	ug/L	1.6368	933.632	ug/L	1.6368	0.18%
QC value within limits for Sb 217.584 Recovery = 93.36%								
Se 196.026†	334.2	1002.71	ug/L	3.410	1002.71	ug/L	3.410	0.34%
QC value within limits for Se 196.026 Recovery = 100.27%								
Si 251.611†	4899.8	-11.9663	ug/L	5.32999	-11.9663	ug/L	5.32999	44.54%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-41.7	-31.9959	ug/L	1.12955	-31.9959	ug/L	1.12955	3.53%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	486.6	1.97761	ug/L	0.034835	1.97761	ug/L	0.034835	1.76
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	297039.3	19973.4	ug/L	231.76	19973.4	ug/L	231.76	1.16[illegible]
QC value within limits for Ti 334.940 Recovery = 99.87%								
Tl 190.801†	544.6	1008.09	ug/L	9.901	1008.09	ug/L	9.901	0.98%
QC value within limits for Tl 190.801 Recovery = 100.81%								

V 292.395† 756325.0 19895.8 ug/L 62.99 19895.8 ug/L
QC value within limits for V 292.395 Recovery = 99.48%
Zn 206.200† 130.9 9.43694 ug/L 2.983680 9.43694 ug/L
QC value within limits for Zn 206.200 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 13 **Autosampler Location: 4**
Sample ID: 0A19026-CCV **Date Collected: 1/19/2010 1:10:39 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0A19026-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	138382.3	138382.3	100.885	%			13:11:4
1	Al 396.153†	8486.9	8231.1	2521.36	ug/L	2521.36	ug/L	13:11:4
1	Ba 455.398†	151123.1	149809.0	501.892	ug/L	501.892	ug/L	13:11:45
1	Ca 315.887†	7063.2	6872.8	5.02778	mg/L	5.02778	mg/L	13:12:05
1	Fe 238.204†	1218.6	1172.8	505.323	ug/L	505.323	ug/L	13:12:05
1	K 766.490	3709.2	3653.5	4.95193	mg/L	4.95193	mg/L	13:12:05
1	Li 670.784†	19859.7	19716.3	504.594	ug/L	504.594	ug/L	13:11:45
1	Mg 279.071†	2443.5	2408.0	5.07813	mg/L	5.07813	mg/L	13:12:05
1	Na 589.592†	36550.4	35732.4	5.03318	mg/L	5.03318	mg/L	13:11:45
1	Sr 407.771†	402896.0	399064.8	502.144	ug/L	502.144	ug/L	13:11:45
1	Ti 334.940†	7628.3	7570.3	506.561	ug/L	506.561	ug/L	13:12:[illegible]
1	Y 360.076	220694.1	220694.1	99.0196	%			13:12:[illegible]
1	Ag 328.068†	27858.9	27951.6	503.445	ug/L	503.445	ug/L	[illegible]
1	As 188.979†	1297.6	1336.8	2564.22	ug/L	2564.22	ug/L	1[illegible]
1	B 249.677†	8604.3	8383.0	494.299	ug/L	494.299	ug/L	1[illegible]
1	Be 234.861†	7847.6	8656.8	50.5825	ug/L	50.5825	ug/L	13:12:57
1	Cd 214.437†	10175.1	9888.6	509.341	ug/L	509.341	ug/L	13:12:57
1	Ce 413.764†	867.2	66.9	1.92948	ug/L	1.92948	ug/L	13:12:37
1	Co 228.616†	2591.4	2692.0	511.302	ug/L	511.302	ug/L	13:12:57
1	Cr 205.557†	4726.3	4797.0	511.426	ug/L	511.426	ug/L	13:1[illegible]
1	Cu 327.397†	16132.3	16351.6	514.421	ug/L	514.421	ug/L	[illegible]
1	Mn 257.610†	61025.4	61456.0	505.239	ug/L	[illegible]	ug/L	[illegible]
1	Mo 202.031†	3467.4	3413.3	511.358	ug/L	511.358	ug/L	[illegible]
1	Ni 231.604†	5373.5	5062.1	513.998	ug/L	513.998	ug/L	13:12:57
1	Pb 220.353†	720.6	700.9	508.257	ug/L	508.257	ug/L	13:12:57
1	Sb 217.584†	2873.9	2941.7	2558.71	ug/L	2558.71	ug/L	13:12:57
1	Se 196.026†	805.1	846.8	2521.86	ug/L	2521.86	ug/L	13:12:57
1	Si 251.611†	23457.5	23478.3	2523.63	ug/L	2523.63	ug/L	13:12:37
1	Sn 189.927†	4355.2	4394.0	2551.83	ug/L	2551.83	ug/L	13:12:57
1	Tl 190.801†	1729.2	1783.1	2556.39	ug/L	2556.39	ug/L	13:12:57
1	V 292.395†	17511.0	19032.8	506.371	ug/L	506.371	ug/L	13:12:37
1	Zn 206.200†	3440.5	3545.4	508.160	ug/L	508.160	ug/L	13:12:57
2	Sc 357.234	138139.8	138139.8	100.708	%			13:12:10
2	Al 396.153†	8527.8	8286.5	2538.59	ug/L	2538.59	ug/L	13:12:10
2	Ba 455.398†	152654.8	151592.9	507.864	ug/L	507.864	ug/L	13:12:10
2	Ca 315.887†	7112.3	6933.8	5.07252	mg/L	5.07252	mg/L	13:12:30
2	Fe 238.204†	1228.1	1184.4	510.343	ug/L	510.343	ug/L	13:12:30
2	K 766.490	3748.1	3692.4	5.00455	mg/L	5.00455	mg/L	13:12:30
2	Li 670.784†	20112.8	20002.2	511.896	ug/L	511.896	ug/L	13:12:1
2	Mg 279.071†	2457.4	2426.0	5.11621	mg/L	5.11621	mg/L	13:12:3[illegible]
2	Na 589.592†	36862.9	36106.3	5.08575	mg/L	5.08575	mg/L	13:12:10
2	Sr 407.771†	407176.1	404015.6	508.357	ug/L	508.357	ug/L	13:12:10
2	Ti 334.940†	7667.1	7622.0	510.041	ug/L	510.041	ug/L	13:12:30
2	Y 360.076	223571.7	223571.7	100.311	%			13:13:02
2	Ag 328.068†	28143.7	27873.4	502.030	ug/L	502.030	ug/L	13:1[illegible]
2	As 188.979†	1292.9	1315.2	2522.57	ug/L	2522.57	ug/L	13:1[illegible]
2	B 249.677†	6753.4	8419.8	496.494	ug/L	[illegible]	ug/L	[illegible]
2	Be 234.861†	7853.0	8560.1	[illegible]	ug/L	[illegible]	ug/L	[illegible]
2	Cd 214.437†	10168.7	9749.9	502.160	ug/L	[illegible]	ug/L	[illegible]
2	Ce 413.764†	820.7	9.2	0.183730	ug/L	0.183730	ug/L	[illegible]
2	Co 228.616†	2590.4	2657.3	504.671	ug/L	504.671	ug/L	13:13:[illegible]
2	Cr 205.557†	4727.4	4736.8	504.986	ug/L	504.986	ug/L	1[illegible]:13:2[illegible]
2	Cu 327.397†	16279.4	16288.6	512.446	ug/L	512.446	ug/L	1[illegible]:3:[illegible]
2	Mn 257.610†	61873.3	61508.0	505.668	ug/L	505.668	ug/L	13:13:02

2	Mo 202.031†	3475.4	3376.2	505.787 ug/L	505.787 ug/L	13:1?:??
2	Ni 231.604†	5376.2	4995.0	507.173 ug/L	507.173 ug/L	13:1?:??
2	Pb 220.353†	717.4	688.4	499.098 ug/L	499.098 ug/L	13:1?:??
2	Sb 217.584†	2872.9	2903.3	2525.28 ug/L	2525.28 ug/L	13:13:??
2	Se 196.026†	804.7	835.9	2489.70 ug/L	2489.70 ug/L	13:13:??
2	Si 251.611†	23733.0	23448.1	2520.24 ug/L	2520.24 ug/L	13:13:??
2	Sn 189.927†	4365.9	4348.0	2525.07 ug/L	2525.07 ug/L	13:13:??
2	Tl 190.801†	1730.6	1762.0	2526.33 ug/L	2526.33 ug/L	13:13:??
2	V 292.395†	17737.4	19030.9	506.259 ug/L	506.259 ug/L	13:13:02
2	Zn 206.200†	3455.7	3515.9	503.912 ug/L	503.912 ug/L	13:13:22

Mean Data: 0A19026-CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	138261.1	100.797	%	0.1250				[illegible]
Y 360.076	222132.9	99.6651	%	0.91295				[illegible]
Ag 328.068†	27912.5	502.738	ug/L	1.0006	502.738	ug/L	1.0006	[illegible]
QC value within limits for Ag 328.068 Recovery = 100.55%								
Al 396.153†	8258.8	2529.97	ug/L	12.183	2529.97	ug/L	12.183	[illegible]
QC value within limits for Al 396.153 Recovery = 101.20%								
As 188.979†	1326.0	2543.39	ug/L	29.450	2543.39	ug/L	29.450	[illegible]
QC value within limits for As 188.979 Recovery = 101.74%								
B 249.677†	8401.4	495.397	ug/L	1.5518	495.397	ug/L	1.5518	0.31%
QC value within limits for B 249.677 Recovery = 99.08%								
Ba 455.398†	150701.0	504.878	ug/L	4.2225	504.878	ug/L	4.2225	0.84%
QC value within limits for Ba 455.398 Recovery = 100.98%								
Be 234.861†	8608.4	50.2980	ug/L	0.40237	[illegible]		[illegible]	
QC value within limits for Be 234.861 Recovery = 100.60%								
Ca 315.887†	6903.3	5.05015	mg/L	0.031637	5.05015	mg/L	0.031637	[illegible]
QC value within limits for Ca 315.887 Recovery = 101.00%								
Cd 214.437†	9819.2	505.760	ug/L	5.0632	505.760	ug/L	5.0632	[illegible]
QC value within limits for Cd 214.437 Recovery = 101.15%								
Ce 413.764†	38.1	1.05660	ug/L	1.234428	1.05660	ug/L	1.234428	116.83%
Co 228.616†	2674.6	507.986	ug/L	4.6885	507.986	ug/L	4.6885	0.92%
QC value within limits for Co 228.616 Recovery = 101.60%								
Cr 205.557†	4766.9	508.206	ug/L	4.5537	508.206	ug/L	4.5537	0.90%
QC value within limits for Cr 205.557 Recovery = 101.64%								
Cu 327.397†	16320.1	513.434	ug/L	1.3971	513.434	ug/L	1.3971	0.27%
QC value within limits for Cu 327.397 Recovery = 102.69%								
Fe 238.204†	1178.6	507.833	ug/L	3.5497	507.833	ug/L	[illegible]	[illegible]
QC value within limits for Fe 238.204 Recovery = 101.57%								
K 766.490	3673.0	4.97824	mg/L	0.037209	4.97824	mg/L	0.037209	[illegible]
QC value within limits for K 766.490 Recovery = 99.56%								
Li 670.784†	19859.2	508.245	ug/L	5.1636	508.245	ug/L	5.1636	[illegible]
QC value within limits for Li 670.784 Recovery = 101.65%								
Mg 279.071†	2417.0	5.09717	mg/L	0.026920	5.09717	mg/L	0.026920	[illegible]
QC value within limits for Mg 279.071 Recovery = 101.94%								
Mn 257.610†	61482.0	505.454	ug/L	0.3030	505.454	ug/L	0.3030	0.06%
QC value within limits for Mn 257.610 Recovery = 101.09%								
Mo 202.031†	3394.8	508.572	ug/L	3.9394	508.572	ug/L	3.9394	0.77%
QC value within limits for Mo 202.031 Recovery = 101.71%								
Na 589.592†	35919.3	5.05946	mg/L	0.037175	5.05946	mg/L	0.037175	0.73%
QC value within limits for Na 589.592 Recovery = 101.19%								
Ni 231.604†	5028.5	510.585	ug/L	4.8261	510.585	ug/L	4.8261	[illegible]
QC value within limits for Ni 231.604 Recovery = 102.12%								
Pb 220.353†	694.6	503.678	ug/L	6.4761	503.678	ug/L	6.4761	[illegible]
QC value within limits for Pb 220.353 Recovery = 100.74%								
Sb 217.584†	2922.5	2541.99	ug/L	23.644	2541.99	ug/L	23.644	0.93%
QC value within limits for Sb 217.584 Recovery = 101.68%								
Se 196.026†	841.3	2505.78	ug/L	22.741	2505.78	ug/L	22.741	0.91%
QC value within limits for Se 196.026 Recovery = 100.23%								
Si 251.611†	23463.2	2521.93	ug/L	2.398	2521.93	ug/L	2.398	0.10%
QC value within limits for Si 251.611 Recovery = 100.88%								
Sn 189.927†	4371.0	2538.45	ug/L	18.923	2538.45	ug/L	18.923	0.75%
QC value within limits for Sn 189.927 Recovery = 101.54%								
Sr 407.771†	401540.2	505.251	ug/L	4.3931	505.251	ug/L	4.3931	0.87%
QC value within limits for Sr 407.771 Recovery = 101.05%								
Ti 334.940†	7596.2	508.301	ug/L	2.4613	508.301	ug/L	2.4613	[illegible]
QC value within limits for Ti 334.940 Recovery = 101.66%								
Tl 190.801†	1772.6	2541.36	ug/L	21.257	2541.36	ug/L	21.257	0.84%

QC value within limits for Tl 190.801 Recovery = 101.65%

V 292.395†	19031.9	506.315 ug/L	0.0788	506.315 ug/L	0.0788	[illegible]

QC value within limits for V 292.395 Recovery = 101.26%

Zn 206.200†	3530.7	506.036 ug/L	3.0038	506.036 ug/L	3.0038	[illegible]

QC value within limits for Zn 206.200 Recovery = 101.21%

All analyte(s) passed QC.

Sequence No.: 14
Sample ID: 0A19026-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 1/19/2010 1:14:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A19026-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	136582.9	136582.9	99.5732	%			13:15:43
1	Al 396.153†	175.8	-4.9	-16.0875	ug/L	-16.0875	ug/L	13:15:43
1	Ba 455.398†	18.2	30.0	0.513145	ug/L	0.513145	ug/L	13:15:43
1	Ca 315.887†	156.0	28.2	0.0075032	mg/L	0.0075032	mg/L	13:16:03
1	Fe 238.204†	36.0	1.1	-0.791494	ug/L	-0.791494	ug/L	[illegible]
1	K 766.490	27.5	-28.1	-0.0231370	mg/L	[illegible]		
1	Li 670.784†	-8.9	21.3	1.49703	ug/L	[illegible]		
1	Mg 279.071†	19.8	5.8	0.0114405	mg/L	0.0114405	mg/L	[illegible]
1	Na 589.592†	526.1	31.0	0.0135751	mg/L	0.0135751	mg/L	13:16:4[illegible]
1	Sr 407.771†	309.6	14.1	1.38479	ug/L	1.38479	ug/L	[illegible]
1	Ti 334.940†	-4.5	4.3	-2.25028	ug/L	-2.25028	ug/L	13:16:0[illegible]
1	Y 360.076	220363.8	220363.8	98.8713	%			13:16:3[illegible]
1	Ag 328.068†	144.0	-37.5	-0.950494	ug/L	-0.950494	ug/L	13:16:35
1	As 188.979†	-22.7	3.4	-1.93810	ug/L	-1.93810	ug/L	13:16:55
1	B 249.677†	370.7	68.4	2.21947	ug/L	2.21947	ug/L	13:16:55
1	Be 234.861†	-738.5	-15.5	-0.126399	ug/L	-0.126399	ug/L	13:16:55
1	Cd 214.437†	403.2	20.4	0.0219258	ug/L	0.0219258	ug/L	13:16:55
1	Ce 413.764†	832.2	32.8	0.992783	ug/L	0.992783	ug/L	13:16:35
1	Co 228.616†	-76.4	-2.4	-1.68548	ug/L	-1.68548	ug/L	[illegible]
1	Cr 205.557†	-16.1	7.7	-0.527501	ug/L	-0.527501	ug/L	[illegible]
1	Cu 327.397†	122.2	183.2	6.25097	ug/L	6.25097	ug/L	13:16:35
1	Mn 257.610†	187.5	16.0	-0.604524	ug/L	-0.604524	ug/L	[illegible]
1	Mo 202.031†	85.3	-2.1	-1.78527	ug/L	-1.78527	ug/L	[illegible]
1	Ni 231.604†	385.5	25.4	1.64555	ug/L	1.64555	ug/L	[illegible]
1	Pb 220.353†	31.6	5.2	1.04315	ug/L	1.04315	ug/L	[illegible]
1	Sb 217.584†	-44.2	-5.4	-11.2890	ug/L	-11.2890	ug/L	13:16:55
1	Se 196.026†	-35.2	-1.8	7.31911	ug/L	7.31911	ug/L	13:16:55
1	Si 251.611†	253.9	45.3	-18.1076	ug/L	-18.1076	ug/L	13:16:55
1	Sn 189.927†	12.8	8.6	-3.78976	ug/L	-3.78976	ug/L	[illegible]
1	Tl 190.801†	-40.7	-4.3	-2.60009	ug/L	-2.60009	ug/L	[illegible]
1	V 292.395†	-1321.6	11.7	0.919783	ug/L	[illegible]		
1	Zn 206.200†	-61.5	[illegible]	[illegible]				
2	Sc 357.234	137162.9	137162.9	99.9981				
2	Al 396.153†	191.4	10.0	-11.4921	ug/L	-11.4921	ug/L	[illegible]
2	Ba 455.398†	-4.1	7.6	0.438082	ug/L	0.438082	ug/L	[illegible]
2	Ca 315.887†	153.6	25.1	0.0052320	mg/L	0.0052320	mg/L	[illegible]
2	Fe 238.204†	31.9	-3.2	-2.65922	ug/L	-2.65922	ug/L	[illegible]
2	K 766.490	16.8	-38.9	-0.0376665	mg/L	-0.0376665	mg/L	13:16:08
2	Li 670.784†	-12.9	17.9	1.39673	ug/L	1.39673	ug/L	13:16:08
2	Mg 279.071†	15.6	1.5	0.0023982	mg/L	0.0023982	mg/L	13:16:28
2	Na 589.592†	555.4	58.0	0.0173762	mg/L	0.0173762	mg/L	13:16:08
2	Sr 407.771†	286.7	-10.1	1.35440	ug/L	1.35440	ug/L	13:16:08
2	Ti 334.940†	-17.0	-8.2	-3.09131	ug/L	-3.09131	ug/L	13:16:28
2	Y 360.076	222340.1	222340.1	99.7581	%			13:17:00
2	Ag 328.068†	221.6	39.0	0.436224	ug/L	0.436224	ug/L	[illegible]
2	As 188.979†	-25.0	1.2	-6.06993	ug/L	-6.06993	ug/L	[illegible]
2	B 249.677†	340.7	35.0	0.239809	ug/L	0.239809	ug/L	[illegible]
2	Be 234.861†	-708.9	20.8	0.0872617	ug/L	0.0872617	ug/L	[illegible]
2	Cd 214.437†	382.2	-4.2	-1.24834	ug/L	-1.24834	ug/L	[illegible]
2	Ce 413.764†	905.1	98.4	2.97821	ug/L	2.97821	ug/L	[illegible]
2	Co 228.616†	-75.0	-0.4	-1.28912	ug/L	-1.28912	ug/L	[illegible]
2	Cr 205.557†	-15.5	8.4	-0.453322	ug/L	-0.453322	ug/L	13:17:20
2	Cu 327.397†	112.0	171.8	5.89251	ug/L	5.89251	ug/L	13:17:00

2	Mn 257.610†	190.9	17.7	-0.590401 ug/L	[illegible]	[illegible]
2	Mo 202.031†	82.3	-5.8	-2.35237 ug/L	-2.35237 ug/L	[illegible]
2	Ni 231.604†	373.2	9.5	0.0306122 ug/L	0.0306122 ug/L	[illegible]
2	Pb 220.353†	29.8	3.1	-0.479893 ug/L	-0.479893 ug/L	[illegible]
2	Sb 217.564†	-38.2	1.0	-5.71194 ug/L	-5.71194 ug/L	[illegible]
2	Se 196.026†	-43.0	-9.3	-14.9016 ug/L	-14.9016 ug/L	[illegible]
2	Si 251.611†	245.4	34.5	-19.2660 ug/L	-19.2660 ug/L	[illegible]
2	Sn 189.927†	10.2	5.9	-5.33229 ug/L	-5.33229 ug/L	[illegible]
2	Tl 190.801†	-37.2	-0.5	2.87892 ug/L	2.87892 ug/L	13:17:20
2	V 292.395†	-1367.7	-22.6	0.0106734 ug/L	0.0106734 ug/L	13:17:00
2	Zn 206.200†	-67.4	3.4	-1.49997 ug/L	-1.49997 ug/L	13:17:20

Mean Data: 0A19026-CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	136872.9	99.7847	%	0.29898				0.30
Y 360.076	221351.9	99.3147	%	0.62700				0.63
Ag 328.068†	0.8	-0.257135	ug/L	0.9805578	-0.257135	ug/L	0.9805578	381.34
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	2.6	-13.7898	ug/L	3.24946	-13.7898	ug/L	3.24946	23.56%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	2.3	-4.00401	ug/L	2.921646	-4.00401	ug/L	2.921646	72.97%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	51.7	1.22964	ug/L	1.399835	1.22964	ug/L	1.399835	113.84
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	18.8	0.475613	ug/L	0.0530770	0.475613	ug/L	0.0530770	11.1
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	2.6	-0.0195687	ug/L	0.15108091	-0.0195687	ug/L	0.15108091	772.05
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	26.7	0.0063676	mg/L	0.00160592	0.0063676	mg/L	0.00160592	25.2
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	8.1	-0.613207	ug/L	0.8982133	-0.613207	ug/L	0.8982133	146.48
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	65.6	1.98550	ug/L	1.403908	1.98550	ug/L	1.403908	70.71%
Co 228.616†	-1.4	-1.48730	ug/L	0.280273	-1.48730	ug/L	0.280273	18.84%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	8.1	-0.490412	ug/L	0.0524526	-0.490412	ug/L	0.0524526	10.70
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	177.5	6.07174	ug/L	0.253465	6.07174	ug/L	0.253465	4.17
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	-1.1	-1.72536	ug/L	1.320685	-1.72536	ug/L	1.320685	76.55
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	-33.5	-0.0304017	mg/L	0.01027387	-0.0304017	mg/L	0.01027387	33.79
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	19.9	1.44688	ug/L	0.070920	1.44688	ug/L	0.070920	4.90%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	3.7	0.0069193	mg/L	0.00639389	0.0069193	mg/L	0.00639389	92.41%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	16.8	-0.597462	ug/L	0.0099864	-0.597462	ug/L	0.0099864	1.67%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-3.9	-2.06882	ug/L	0.401006	-2.06882	ug/L	0.401006	19.38%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	44.5	0.0154756	mg/L	0.00268780	0.0154756	mg/L	0.00268780	17.37
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	17.5	0.838081	ug/L	1.1419333	0.838081	ug/L	1.1419333	136.26
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	4.1	0.281627	ug/L	1.0769524	0.281627	ug/L	1.0769524	382.40
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	-2.2	-8.50049	ug/L	3.943606	-8.50049	ug/L	3.943606	46.39%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	-5.6	-3.79122	ug/L	15.712390	-3.79122	ug/L	15.712390	414.41
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	39.9	-18.6868	ug/L	0.81910	-18.6868	ug/L	0.81910	4.38
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	7.3	-4.56103	ug/L	1.090734	-4.56103	ug/L	1.090734	23.91
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	2.0	1.36959	ug/L	0.021488	1.36959	ug/L	0.021488	1.57
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	-1.9	-2.67079	ug/L	0.594692	-2.67079	ug/L	0.594692	22.27
QC value within limits for Ti 334.940 Recovery = Not calculated								

Tl 190.801†	-2.4	0.139419 ug/L	3.8742435	0.139419 ug/L	3.8742435	[illegible]
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.395†	-5.5	0.465228 ug/L	0.6428373	0.465228 ug/L	0.6428373	138.16%
QC value within limits for V 292.395 Recovery = Not calculated						
Zn 206.200†	6.1	-1.11529 ug/L	0.544008	-1.11529 ug/L	0.544008	48.78%
QC value within limits for Zn 206.200 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 15 **Autosampler Location: 17**
Sample ID: 1000383-BLK1 **Date Collected: 1/19/2010 1:18:35 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1000383-BLK1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	137630.0	137630.0	100.337	%			13:19:40
1	Al 396.153†	185.5	3.5	-13.4939	ug/L	-13.4939	ug/L	13:19:47
1	Ba 455.398†	47.0	58.5	0.608652	ug/L	0.608652	ug/L	13:19:47
1	Ca 315.887†	305.8	176.3	0.116119	mg/L	0.116119	mg/L	13:20:00
1	Fe 238.204†	36.6	1.4	-0.650298	ug/L	-0.650298	ug/L	13:20:00
1	K 766.490	12.9	-42.8	-0.0429260	mg/L	-0.0429260	mg/L	13:19:47
1	Li 670.784†	-8.4	22.4	1.51096	ug/L	1.51096	ug/L	13:19:47
1	Mg 279.071†	11.0	-3.1	-0.0072436	mg/L	-0.0072436	mg/L	13:20:00
1	Na 589.592†	605.4	106.0	0.0241149	mg/L	0.0241149	mg/L	13:19:40
1	Sr 407.771†	303.5	5.7	1.37414	ug/L	1.37414	ug/L	13:19:40
1	Ti 334.940†	-3.9	4.9	-2.21129	ug/L	-2.21129	ug/L	13:20:00
1	Y 360.076	220645.1	220645.1	98.9976	%			13:20:31
1	Ag 328.068†	230.0	49.2	0.618549	ug/L	0.618549	ug/L	13:20:31
1	As 188.979†	-26.2	-0.1	-8.65376	ug/L	-8.65376	ug/L	13:20:51
1	B 249.677†	316.5	13.2	-1.05514	ug/L	-1.05514	ug/L	13:20:51
1	Be 234.861†	-743.9	-20.0	-0.152886	ug/L	-0.152886	ug/L	13:20:51
1	Cd 214.437†	402.2	19.0	-0.0538531	ug/L	-0.0538531	ug/L	13:20:51
1	Ce 413.764†	876.4	76.4	2.31267	ug/L	2.31267	ug/L	13:20:31
1	Co 228.616†	-74.5	-0.4	-1.29110	ug/L	-1.29110	ug/L	13:20:51
1	Cr 205.557†	-23.1	0.7	-1.28168	ug/L	-1.28168	ug/L	13:20:51
1	Cu 327.397†	45.1	105.1	3.79736	ug/L	3.79736	ug/L	13:20:31
1	Mn 257.610†	207.3	35.7	-0.441891	ug/L	-0.441891	ug/L	13:20:51
1	Mo 202.031†	87.6	0.1	-1.45574	ug/L	-1.45574	ug/L	13:20:51
1	Ni 231.604†	381.3	20.6	1.15775	ug/L	1.15775	ug/L	13:20:51
1	Pb 220.353†	30.6	4.1	0.245717	ug/L	0.245717	ug/L	13:20:51
1	Sb 217.584†	-42.6	-3.8	-9.86195	ug/L	-9.86195	ug/L	13:20:51
1	Se 196.026†	-35.2	-1.9	7.26614	ug/L	7.26614	ug/L	13:20:51
1	Si 251.611†	312.0	103.7	-11.7501	ug/L	-11.7501	ug/L	13:20:51
1	Sn 189.927†	5.2	0.9	-8.22977	ug/L	-8.22977	ug/L	13:20:51
1	Tl 190.801†	-39.0	-2.6	-0.0422132	ug/L	-0.0422132	ug/L	13:20:51
1	V 292.395†	-1334.6	0.2	0.622177	ug/L	0.622177	ug/L	13:20:51
1	Zn 206.200†	-12.5	58.3	6.40011	ug/L	6.40011	ug/L	13:20:51
2	Sc 357.234	138761.4	138761.4	101.161	%			13:20:05
2	Al 396.153†	171.4	-11.9	-18.2822	ug/L	-18.2822	ug/L	13:20:05
2	Ba 455.398†	-3.0	8.8	0.442133	ug/L	0.442133	ug/L	13:20:05
2	Ca 315.887†	308.5	176.6	0.116289	mg/L	0.116289	mg/L	13:20:25
2	Fe 238.204†	42.8	7.2	1.86018	ug/L	1.86018	ug/L	13:20:25
2	K 766.490	50.7	-4.9	0.0082239	mg/L	0.0082239	mg/L	13:20:05
2	Li 670.784†	-14.1	16.8	1.36930	ug/L	1.36930	ug/L	13:20:25
2	Mg 279.071†	12.9	-1.3	-0.0035397	mg/L	-0.0035397	mg/L	13:20:05
2	Na 589.592†	588.6	84.4	0.0210879	mg/L	0.0210879	mg/L	13:20:25
2	Sr 407.771†	242.7	-56.9	1.29567	ug/L	1.29567	ug/L	13:20:25
2	Ti 334.940†	2.5	11.3	-1.78080	ug/L	-1.78080	ug/L	13:20:31
2	Y 360.076	222562.1	222562.1	99.8577	%			13:20:51
2	Ag 328.068†	200.3	17.4	0.0441515	ug/L	0.0441515	ug/L	13:20:51
2	As 188.979†	-24.1	2.2	-4.20498	ug/L	-4.20498	ug/L	13:21:17
2	B 249.677†	297.4	-8.7	-2.35285	ug/L	-2.35285	ug/L	13:21:17
2	Be 234.861†	-749.8	-19.4	-0.149896	ug/L	-0.149896	ug/L	13:21:17
2	Cd 214.437†	394.4	7.7	-0.636063	ug/L	-0.636063	ug/L	13:21:17
2	Ce 413.764†	870.7	63.1	1.91018	ug/L	1.91018	ug/L	13:20:57
2	Co 228.616†	-80.0	-5.2	-2.21517	ug/L	-2.21517	ug/L	13:21:17
2	Cr 205.557†	-21.5	2.5	-1.08791	ug/L	-1.08791	ug/L	13:21:17

2	Cu 327.397†	46.5	106.1	3.83161 ug/L	3.83161 ug/L	13:20:57
2	Mn 257.610†	196.7	23.3	-0.544368 ug/L	-0.544368 ug/L	13:21:17
2	Mo 202.031†	97.6	9.3	-0.0721037 ug/L	-0.0721037 ug/L	13:21:17
2	Ni 231.604†	370.3	6.3	-0.293397 ug/L	-0.293397 ug/L	13:21:17
2	Pb 220.353†	35.3	8.5	3.49005 ug/L	3.49005 ug/L	13:21:17
2	Sb 217.584†	-43.8	-4.5	-10.5234 ug/L	-10.5234 ug/L	13:21:17
2	Se 196.026†	-40.1	-6.5	-6.40005 ug/L	-6.40005 ug/L	13:21:17
2	Si 251.611†	295.3	84.2	-13.8791 ug/L	-13.8791 ug/L	13:21:17
2	Sn 189.927†	6.6	2.2	-7.45336 ug/L	-7.45336 ug/L	13:21:17
2	Tl 190.801†	-42.9	-6.2	-5.25606 ug/L	-5.25606 ug/L	13:21:17
2	V 292.395†	-1350.9	-4.4	0.513590 ug/L	0.513590 ug/L	13:20:57
2	Zn 206.200†	-3.8	67.1	7.67432 ug/L	7.67432 ug/L	13:21:17

Mean Data: 1000383-BLK1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	138195.7	100.749	%	0.5832				0.58%
Y 360.076	221603.6	99.4276	%	0.60817				0.61%
Ag 328.068†	33.3	0.331350	ug/L	0.4061603	0.331350	ug/L	0.4061603	122.58%
Al 396.153†	-4.2	-15.8880	ug/L	3.38583	-15.8880	ug/L	3.38583	21.31%
As 188.979†	1.0	-6.42937	ug/L	3.145759	-6.42937	ug/L	3.145759	48.93%
B 249.677†	2.3	-1.70400	ug/L	0.917623	-1.70400	ug/L	0.917623	53.85%
Ba 455.398†	33.7	0.525392	ug/L	0.1177471	0.525392	ug/L	0.1177471	22.41%
Be 234.861†	-19.7	-0.151391	ug/L	0.0021140	-0.151391	ug/L	0.0021140	1.40%
Ca 315.887†	176.4	0.116204	mg/L	0.0001201	0.116204	mg/L	0.0001201	0.10%
Cd 214.437†	13.3	-0.344958	ug/L	0.4116844	-0.344958	ug/L	0.4116844	119.34%
Ce 413.764†	69.7	2.11142	ug/L	0.284601	2.11142	ug/L	0.284601	13.48%
Co 228.616†	-2.8	-1.75314	ug/L	0.653421	-1.75314	ug/L	0.653421	37.27%
Cr 205.557†	1.6	-1.18480	ug/L	0.137014	-1.18480	ug/L	0.137014	11.56%
Cu 327.397†	105.6	3.81449	ug/L	0.024220	3.81449	ug/L	0.024220	0.63%
Fe 238.204†	4.3	0.604942	ug/L	1.7751770	0.604942	ug/L	1.7751770	293.45%
K 766.490	-23.9	-0.0173511	mg/L	0.03616842	-0.0173511	mg/L	0.03616842	208.45%
Li 670.784†	19.6	1.44013	ug/L	0.100172	1.44013	ug/L	0.100172	6.96%
Mg 279.071†	-2.2	-0.0053916	mg/L	0.00261901	-0.0053916	mg/L	0.00261901	48.58%
Mn 257.610†	29.5	-0.493130	ug/L	0.0724622	-0.493130	ug/L	0.0724622	14.69%
Mo 202.031†	4.7	-0.763922	ug/L	0.9783785	-0.763922	ug/L	0.9783785	128.07%
Na 589.592†	95.2	0.0226014	mg/L	0.00214041	0.0226014	mg/L	0.00214041	9.47%
Ni 231.604†	13.4	0.432178	ug/L	1.0261172	0.432178	ug/L	1.0261172	237.43%
Pb 220.353†	6.3	1.86788	ug/L	2.294089	1.86788	ug/L	2.294089	122.82%
Sb 217.584†	-4.1	-10.1927	ug/L	0.46772	-10.1927	ug/L	0.46772	4.59%
Se 196.026†	-4.2	0.433044	ug/L	9.6634561	0.433044	ug/L	9.6634561	>999.9%
Si 251.611†	93.9	-12.8146	ug/L	1.50547	-12.8146	ug/L	1.50547	11.75%
Sn 189.927†	1.6	-7.84156	ug/L	0.549002	-7.84156	ug/L	0.549002	7.00%
Sr 407.771†	-25.6	1.33491	ug/L	0.055486	1.33491	ug/L	0.055486	4.16%
Ti 334.940†	8.1	-1.99605	ug/L	0.304398	-1.99605	ug/L	0.304398	15.25%
Tl 190.801†	-4.4	-2.64914	ug/L	3.686750	-2.64914	ug/L	3.686750	139.17%
V 292.395†	-2.1	0.567883	ug/L	0.0767826	0.567883	ug/L	0.0767826	13.52%
Zn 206.200†	62.7	7.03721	ug/L	0.901003	7.03721	ug/L	0.901003	12.80%

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Sequence No.: 16
Sample ID: 1000383-BS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 1/19/2010 1:22:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000383-BS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	139195.9	139195.9	101.478	%			13:23:35
1	Al 396.153†	6299.6	6026.4	1845.25	ug/L	1845.25	ug/L	13:23:55
1	Ba 455.398†	111085.2	109478.8	366.889	ug/L	366.889	ug/L	13:23:35
1	Ca 315.887†	25169.2	24674.2	18.0845	mg/L	18.0845	mg/L	13:23:35
1	Fe 238.204†	908.1	859.7	369.284	ug/L	369.284	ug/L	13:23:55
1	K 766.490	13405.5	13349.9	18.0548	mg/L	18.0548	mg/L	13:23:35
1	Li 670.784†	14508.6	14328.1	366.951	ug/L	366.951	ug/L	13:23:35
1	Mg 279.071†	9017.4	8872.0	18.7121	mg/L	18.7121	mg/L	13:23:55
1	Na 589.592†	131982.7	129562.9	18.2257	mg/L	18.2257	mg/L	13:23:35
1	Sr 407.771†	296237.9	291626.1	367.322	ug/L	367.322	ug/L	13:23:35

1	Ti 334.940†	5698.6	5624.5	375.704 ug/L	375.704 ug/L	13:23:55
1	Y 360.076	221138.8	221138.8	99.2191 %		13:24:26
1	Ag 328.068†	20373.9	20351.1	366.644 ug/L	366.644 ug/L	13:24:26
1	As 188.979†	938.9	972.6	1863.24 ug/L	1863.24 ug/L	13:24:46
1	B 249.677†	6338.6	6082.0	358.123 ug/L	358.123 ug/L	13:24:46
1	Be 234.861†	5509.6	6284.5	36.7099 ug/L	36.7099 ug/L	13:24:46
1	Cd 214.437†	7470.0	7141.5	367.559 ug/L	367.559 ug/L	13:24:46
1	Ce 413.764†	877.4	75.4	2.21168 ug/L	2.21168 ug/L	13:24:26
1	Co 228.616†	1843.6	1933.0	366.766 ug/L	366.766 ug/L	13:24:46
1	Cr 205.557†	3421.3	3472.2	369.812 ug/L	369.812 ug/L	13:24:46
1	Cu 327.397†	11695.9	11847.5	372.868 ug/L	372.868 ug/L	13:24:26
1	Mn 257.610†	44350.7	44526.1	365.853 ug/L	365.853 ug/L	13:24:26
1	Mo 202.031†	2619.8	2552.1	381.963 ug/L	381.963 ug/L	13:24:46
1	Ni 231.604†	3990.1	3656.9	371.086 ug/L	371.086 ug/L	13:24:46
1	Pb 220.353†	526.9	504.3	364.902 ug/L	364.902 ug/L	13:24:46
1	Sb 217.584†	2072.8	2128.4	1849.50 ug/L	1849.50 ug/L	13:24:46
1	Se 196.026†	565.3	603.5	1800.95 ug/L	1800.95 ug/L	13:24:46
1	Si 251.611†	16840.6	16761.6	1794.69 ug/L	1794.69 ug/L	13:24:26
1	Sn 189.927†	3149.1	3169.5	1841.42 ug/L	1841.42 ug/L	13:24:46
1	Tl 190.801†	1252.0	1298.7	1862.95 ug/L	1862.95 ug/L	13:24:46
1	V 292.395†	12433.3	13879.6	369.531 ug/L	369.531 ug/L	13:24:26
1	Zn 206.200†	2443.8	2533.9	362.221 ug/L	362.221 ug/L	13:24:46
2	Sc 357.234	137684.4	137684.4	100.376 %		13:24:00
2	Al 396.153†	6278.5	6073.6	1859.89 ug/L	1859.89 ug/L	13:24:20
2	Ba 455.398†	111407.0	111001.1	371.984 ug/L	371.984 ug/L	13:24:00
2	Ca 315.887†	25319.4	25096.1	18.3939 mg/L	18.3939 mg/L	13:24:00
2	Fe 238.204†	905.7	867.2	372.513 ug/L	372.513 ug/L	13:24:20
2	K 766.490	13415.9	13360.2	18.0689 mg/L	18.0689 mg/L	13:24:00
2	Li 670.784†	14586.5	14562.6	372.943 ug/L	372.943 ug/L	13:24:00
2	Mg 279.071†	9043.0	8995.0	18.9716 mg/L	18.9716 mg/L	13:24:20
2	Na 589.592†	132491.9	131497.9	18.4978 mg/L	18.4978 mg/L	13:24:00
2	Sr 407.771†	297083.4	295672.9	372.400 ug/L	372.400 ug/L	13:24:00
2	Ti 334.940†	5717.7	5705.1	381.129 ug/L	381.129 ug/L	13:24:20
2	Y 360.076	222463.3	222463.3	99.8133 %		13:24:51
2	Ag 328.068†	20488.2	20343.4	366.506 ug/L	366.506 ug/L	13:24:51
2	As 188.979†	929.9	957.9	1834.92 ug/L	1834.92 ug/L	13:25:11
2	B 249.677†	6348.1	6053.4	356.427 ug/L	356.427 ug/L	13:25:11
2	Be 234.861†	5515.3	6257.1	36.5482 ug/L	36.5482 ug/L	13:25:11
2	Cd 214.437†	7478.6	7105.3	365.687 ug/L	365.687 ug/L	13:25:11
2	Ce 413.764†	871.1	63.9	1.86036 ug/L	1.86036 ug/L	13:24:51
2	Co 228.616†	1849.3	1927.6	365.732 ug/L	365.732 ug/L	13:25:11
2	Cr 205.557†	3444.2	3474.6	370.065 ug/L	370.065 ug/L	13:25:11
2	Cu 327.397†	11820.5	11902.2	374.588 ug/L	374.588 ug/L	13:24:51
2	Mn 257.610†	44722.9	44632.9	366.733 ug/L	366.733 ug/L	13:24:51
2	Mo 202.031†	2636.5	2553.1	382.107 ug/L	382.107 ug/L	13:25:11
2	Ni 231.604†	3998.6	3641.5	369.519 ug/L	369.519 ug/L	13:25:11
2	Pb 220.353†	537.2	511.4	370.088 ug/L	370.088 ug/L	13:25:11
2	Sb 217.584†	2087.4	2130.6	1851.40 ug/L	1851.40 ug/L	13:25:11
2	Se 196.026†	569.7	604.5	1803.89 ug/L	1803.89 ug/L	13:25:11
2	Si 251.611†	16994.4	16814.7	1800.34 ug/L	1800.34 ug/L	13:24:51
2	Sn 189.927†	3166.9	3168.4	1840.86 ug/L	1840.86 ug/L	13:25:11
2	Tl 190.801†	1248.5	1287.6	1847.22 ug/L	1847.22 ug/L	13:25:11
2	V 292.395†	12560.5	13932.4	370.918 ug/L	370.918 ug/L	13:24:51
2	Zn 206.200†	2454.7	2530.2	361.684 ug/L	361.684 ug/L	13:25:11

Mean Data: 1000383-BS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	138440.2	100.927	%	0.7791				0.77%
Y 360.076	221801.0	99.5162	%	0.42021				0.42%
Ag 328.068†	20347.3	366.575	ug/L	0.0971	366.575	ug/L	0.0971	0.03%
Al 396.153†	6050.0	1852.57	ug/L	10.351	1852.57	ug/L	10.351	0.56%
As 188.979†	965.3	1849.08	ug/L	20.030	1849.08	ug/L	20.030	1.08%
B 249.677†	6067.7	357.275	ug/L	1.1995	357.275	ug/L	1.1995	0.34%
Ba 455.398†	110239.9	369.436	ug/L	3.6032	369.436	ug/L	3.6032	0.98%
Be 234.861†	6270.8	36.6291	ug/L	0.11431	36.6291	ug/L	0.11431	0.31%
Ca 315.887†	24885.2	18.2392	mg/L	0.21882	18.2392	mg/L	0.21882	1.20%
Cd 214.437†	7123.4	366.623	ug/L	1.3243	366.623	ug/L	1.3243	0.36%
Ce 413.764†	69.7	2.03602	ug/L	0.248422	2.03602	ug/L	0.248422	12.20%
Co 228.616†	1930.3	366.249	ug/L	0.7314	366.249	ug/L	0.7314	0.20%

Cr 205.557†	3473.4	369.939 ug/L	0.1793	369.939 ug/L	0.1793	0.05%
Cu 327.397†	11874.9	373.728 ug/L	1.2160	373.728 ug/L	1.2160	0.33%
Fe 238.204†	863.5	370.899 ug/L	2.2835	370.899 ug/L	2.2835	0.62%
K 766.490	13355.1	18.0618 mg/L	0.00992	18.0618 mg/L	0.00992	0.05%
Li 670.784†	14445.4	369.947 ug/L	4.2371	369.947 ug/L	4.2371	1.15%
Mg 279.071†	8933.5	18.8419 mg/L	0.18347	18.8419 mg/L	0.18347	0.97%
Mn 257.610†	44579.5	366.293 ug/L	0.6218	366.293 ug/L	0.6218	0.17%
Mo 202.031†	2552.6	382.035 ug/L	0.1024	382.035 ug/L	0.1024	0.03%
Na 589.592†	130530.4	18.3617 mg/L	0.19238	18.3617 mg/L	0.19238	1.05%
Ni 231.604†	3649.2	370.302 ug/L	1.1078	370.302 ug/L	1.1078	0.30%
Pb 220.353†	507.8	367.495 ug/L	3.6672	367.495 ug/L	3.6672	1.00%
Sb 217.584†	2129.5	1850.45 ug/L	1.342	1850.45 ug/L	1.342	0.07%
Se 196.026†	604.0	1802.42 ug/L	2.075	1802.42 ug/L	2.075	0.12%
Si 251.611†	16788.2	1797.51 ug/L	3.993	1797.51 ug/L	3.993	0.22%
Sn 189.927†	3169.0	1841.14 ug/L	0.394	1841.14 ug/L	0.394	0.02%
Sr 407.771†	293649.5	369.861 ug/L	3.5909	369.861 ug/L	3.5909	0.97%
Ti 334.940†	5664.8	378.417 ug/L	3.8358	378.417 ug/L	3.8358	1.01%
Tl 190.801†	1293.1	1855.09 ug/L	11.121	1855.09 ug/L	11.121	0.60%
V 292.395†	13906.0	370.224 ug/L	0.9810	370.224 ug/L	0.9810	0.26%
Zn 206.200†	2532.1	361.952 ug/L	0.3799	361.952 ug/L	0.3799	0.10%

Sequence No.: 17
Sample ID: 1001142-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 1/19/2010 1:26:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001142-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	134934.3	134934.3	98.3713	%			13:27:32
1	Al 396.153†	86.6	-93.3	-11.9429	ug/L	-11.9429	ug/L	13:27:52
1	Ba 455.398†	33739.3	34309.6	115.263	ug/L	115.263	ug/L	13:27:32
1	Ca 315.887†	187495.5	190471.4	139.691	mg/L	139.691	mg/L	13:27:32
1	Fe 238.204†	15555.5	15777.9	6820.92	ug/L	6820.92	ug/L	13:27:32
1	K 766.490	2566.5	2510.8	3.40781	mg/L	3.40781	mg/L	13:27:52
1	Li 670.784†	156.5	189.9	5.79003	ug/L	5.79003	ug/L	13:27:52
1	Mg 279.071†	11547.7	11724.8	24.7293	mg/L	24.7293	mg/L	13:27:52
1	Na 589.592†	323365.7	328222.2	46.1571	mg/L	46.1571	mg/L	13:27:32
1	Sr 407.771†	258250.1	262229.0	330.432	ug/L	330.432	ug/L	13:27:32
1	Ti 334.940†	-21.9	-13.5	-3.44732	ug/L	-3.44732	ug/L	13:27:52
1	Y 360.076	216252.1	216252.1	97.0265	%			13:28:23
1	Ag 328.068†	79.4	-101.3	0.384541	ug/L	0.384541	ug/L	13:28:43
1	As 188.979†	-23.7	1.9	-4.84552	ug/L	-4.84552	ug/L	13:28:43
1	B 249.677†	1259.8	991.9	57.8007	ug/L	57.8007	ug/L	13:28:43
1	Be 234.861†	-351.1	369.6	-0.160039	ug/L	-0.160039	ug/L	13:28:23
1	Cd 214.437†	413.1	38.4	-0.300274	ug/L	-0.300274	ug/L	13:28:43
1	Ce 413.764†	827.6	44.1	1.33441	ug/L	1.33441	ug/L	13:28:23
1	Co 228.616†	-76.6	-4.0	-2.22971	ug/L	-2.22971	ug/L	13:28:43
1	Cr 205.557†	-27.1	-4.0	-1.36211	ug/L	-1.36211	ug/L	13:28:43
1	Cu 327.397†	131.9	195.5	6.63616	ug/L	6.63616	ug/L	13:28:23
1	Mn 257.610†	214049.2	220435.3	1814.32	ug/L	1814.32	ug/L	13:28:23
1	Mo 202.031†	179.9	97.1	13.1109	ug/L	13.1109	ug/L	13:28:43
1	Ni 231.604†	408.7	56.7	4.85849	ug/L	4.85849	ug/L	13:28:43
1	Pb 220.353†	30.9	5.0	0.944757	ug/L	0.944757	ug/L	13:28:43
1	Sb 217.584†	-92.4	-55.9	-34.7706	ug/L	-34.7706	ug/L	13:28:43
1	Se 196.026†	-41.0	-8.6	-4.54269	ug/L	-4.54269	ug/L	13:28:43
1	Si 251.611†	52383.0	53776.8	5842.09	ug/L	5842.09	ug/L	13:28:23
1	Sn 189.927†	-75.0	-81.6	-25.8491	ug/L	-25.8491	ug/L	13:28:43
1	Tl 190.801†	-44.9	-9.5	-10.0172	ug/L	-10.0172	ug/L	13:28:43
1	V 292.395†	-1358.5	-51.7	-1.83707	ug/L	-1.83707	ug/L	13:28:43
1	Zn 206.200†	230.4	308.4	41.3602	ug/L	41.3602	ug/L	13:28:43
2	Sc 357.234	136156.8	136156.8	99.2626	%			13:27:57
2	Al 396.153†	101.8	-78.8	-7.39879	ug/L	-7.39879	ug/L	13:28:17
2	Ba 455.398†	34205.8	34471.6	115.805	ug/L	115.805	ug/L	13:27:57
2	Ca 315.887†	189607.5	190887.7	139.996	mg/L	139.996	mg/L	13:27:57
2	Fe 238.204†	15756.7	15838.7	6847.21	ug/L	6847.21	ug/L	13:27:57
2	K 766.490	2590.9	2535.3	3.44083	mg/L	3.44083	mg/L	13:28:17
2	Li 670.784†	146.8	178.7	5.50442	ug/L	5.50442	ug/L	13:28:17

2	Mg 279.071†	11633.9	11706.3	24.6903 mg/L	24.6903 mg/L	13:28:17
2	Na 589.592†	327675.8	329612.8	46.3527 mg/L	46.3527 mg/L	13:27:57
2	Sr 407.771†	261736.4	263384.1	331.882 ug/L	331.882 ug/L	13:27:57
2	Ti 334.940†	-13.5	-4.7	-2.86038 ug/L	-2.86038 ug/L	13:28:17
2	Y 360.076	214737.8	214737.8	96.3471 %		13:28:48
2	Ag 328.068†	61.5	-119.3	0.0564871 ug/L	0.0564871 ug/L	13:29:08
2	As 188.979†	-24.7	0.7	-7.03913 ug/L	-7.03913 ug/L	13:29:08
2	B 249.677†	1253.6	994.6	57.9650 ug/L	57.9650 ug/L	13:29:08
2	Be 234.861†	-366.3	351.3	-0.276495 ug/L	-0.276495 ug/L	13:28:48
2	Cd 214.437†	426.2	55.0	0.550451 ug/L	0.550451 ug/L	13:29:08
2	Ce 413.764†	744.8	-35.8	-1.08298 ug/L	-1.08298 ug/L	13:28:48
2	Co 228.616†	-76.6	-4.6	-2.34456 ug/L	-2.34456 ug/L	13:29:08
2	Cr 205.557†	-11.7	11.9	0.336121 ug/L	0.336121 ug/L	13:29:08
2	Cu 327.397†	126.5	190.9	6.49180 ug/L	6.49180 ug/L	13:28:48
2	Mn 257.610†	213038.1	220941.5	1818.49 ug/L	1818.49 ug/L	13:28:48
2	Mo 202.031†	179.4	97.9	13.2315 ug/L	13.2315 ug/L	13:29:08
2	Ni 231.604†	424.4	75.9	6.81467 ug/L	6.81467 ug/L	13:29:08
2	Pb 220.353†	29.3	3.6	-0.136564 ug/L	-0.136564 ug/L	13:29:08
2	Sb 217.584†	-83.6	-47.5	-27.3573 ug/L	-27.3573 ug/L	13:29:08
2	Se 196.026†	-53.9	-22.2	-44.9925 ug/L	-44.9925 ug/L	13:29:08
2	Si 251.611†	52271.6	54042.0	5870.99 ug/L	5870.99 ug/L	13:28:48
2	Sn 189.927†	-82.7	-90.1	-30.7385 ug/L	-30.7385 ug/L	13:29:08
2	Tl 190.801†	-45.6	-10.6	-11.5163 ug/L	-11.5163 ug/L	13:29:08
2	V 292.395†	-1339.9	-42.3	-1.59427 ug/L	-1.59427 ug/L	13:29:08
2	Zn 206.200†	225.5	305.0	40.8675 ug/L	40.8675 ug/L	13:29:08

Mean Data: 1001142-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	135545.5	98.8169	%	0.63020				0.64%
Y 360.076	215494.9	96.6868	%	0.48044				0.50%
Ag 328.068†	-110.3	0.220514	ug/L	0.2319693	0.220514	ug/L	0.2319693	105.19%
Al 396.153†	-86.1	-9.67085	ug/L	3.213179	-9.67085	ug/L	3.213179	33.23%
As 188.979†	1.3	-5.94233	ug/L	1.551117	-5.94233	ug/L	1.551117	26.10%
B 249.677†	993.2	57.8828	ug/L	0.11618	57.8828	ug/L	0.11618	0.20%
Ba 455.398†	34390.6	115.534	ug/L	0.3834	115.534	ug/L	0.3834	0.33%
Be 234.861†	360.4	-0.218267	ug/L	0.0823466	-0.218267	ug/L	0.0823466	37.73%
Ca 315.887†	190679.5	139.844	mg/L	0.2159	139.844	mg/L	0.2159	0.15%
Cd 214.437†	46.7	0.125089	ug/L	0.6015534	0.125089	ug/L	0.6015534	480.90%
Ce 413.764†	4.1	0.125712	ug/L	1.7093523	0.125712	ug/L	1.7093523	>999.9%
Co 228.616†	-4.3	-2.28713	ug/L	0.081210	-2.28713	ug/L	0.081210	3.55%
Cr 205.557†	3.9	-0.512997	ug/L	1.2008338	-0.512997	ug/L	1.2008338	234.08%
Cu 327.397†	193.2	6.56398	ug/L	0.102072	6.56398	ug/L	0.102072	1.56%
Fe 238.204†	15808.3	6834.07	ug/L	18.586	6834.07	ug/L	18.586	0.27%
K 766.490	2523.0	3.42432	mg/L	0.023351	3.42432	mg/L	0.023351	0.68%
Li 670.784†	184.3	5.64722	ug/L	0.201956	5.64722	ug/L	0.201956	3.58%
Mg 279.071†	11715.6	24.7098	mg/L	0.02758	24.7098	mg/L	0.02758	0.11%
Mn 257.610†	220688.4	1816.41	ug/L	2.948	1816.41	ug/L	2.948	0.16%
Mo 202.031†	97.5	13.1712	ug/L	0.08530	13.1712	ug/L	0.08530	0.65%
Na 589.592†	328917.5	46.2549	mg/L	0.13826	46.2549	mg/L	0.13826	0.30%
Ni 231.604†	66.3	5.83658	ug/L	1.383226	5.83658	ug/L	1.383226	23.70%
Pb 220.353†	4.3	0.404097	ug/L	0.7646100	0.404097	ug/L	0.7646100	189.21%
Sb 217.584†	-51.7	-31.0640	ug/L	5.24206	-31.0640	ug/L	5.24206	16.88%
Se 196.026†	-15.4	-24.7676	ug/L	28.60234	-24.7676	ug/L	28.60234	115.48%
Si 251.611†	53909.4	5856.54	ug/L	20.438	5856.54	ug/L	20.438	0.35%
Sn 189.927†	-85.9	-28.2938	ug/L	3.45734	-28.2938	ug/L	3.45734	12.22%
Sr 407.771†	262806.5	331.157	ug/L	1.0250	331.157	ug/L	1.0250	0.31%
Ti 334.940†	-9.1	-3.15385	ug/L	0.415029	-3.15385	ug/L	0.415029	13.16%
Tl 190.801†	-10.0	-10.7667	ug/L	1.05998	-10.7667	ug/L	1.05998	9.84%
V 292.395†	-47.0	-1.71567	ug/L	0.171682	-1.71567	ug/L	0.171682	10.01%
Zn 206.200†	306.7	41.1139	ug/L	0.34840	41.1139	ug/L	0.34840	0.85%

Sequence No.: 18
Sample ID: 1001177-06
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 20
Date Collected: 1/19/2010 1:30:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001177-06

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	137776.8	137776.8	100.444	%			13:31:26
1	Al 396.153†	6749.5	6538.3	2039.55	ug/L	2039.55	ug/L	13:31:46
1	Ba 455.398†	31794.4	31665.7	106.412	ug/L	106.412	ug/L	13:31:26
1	Ca 315.887†	201256.0	200238.7	146.855	mg/L	146.855	mg/L	13:31:26
1	Fe 238.204†	24040.2	23899.0	10333.1	ug/L	10333.1	ug/L	13:31:46
1	K 766.490	2603.1	2547.4	3.45727	mg/L	3.45727	mg/L	13:31:46
1	Li 670.784†	429.7	458.5	12.6526	ug/L	12.6526	ug/L	13:31:46
1	Mg 279.071†	19182.6	19083.8	40.2511	mg/L	40.2511	mg/L	13:31:46
1	Na 589.592†	212837.5	211400.1	29.7320	mg/L	29.7320	mg/L	13:31:26
1	Sr 407.771†	168438.5	167397.8	211.431	ug/L	211.431	ug/L	13:31:26
1	Ti 334.940†	2374.4	2372.7	157.025	ug/L	157.025	ug/L	13:31:46
1	Y 360.076	217675.0	217675.0	97.6650	%			13:32:18
1	Ag 328.068†	55.6	-126.2	0.515664	ug/L	0.515664	ug/L	13:32:18
1	As 188.979†	-14.4	11.6	12.7700	ug/L	12.7700	ug/L	13:32:38
1	B 249.677†	1147.3	868.3	50.7451	ug/L	50.7451	ug/L	13:32:38
1	Be 234.861†	-130.0	598.3	-0.0128102	ug/L	-0.0128102	ug/L	13:32:18
1	Cd 214.437†	426.5	49.4	-0.485049	ug/L	-0.485049	ug/L	13:32:38
1	Ce 413.764†	1081.1	298.1	8.96248	ug/L	8.96248	ug/L	13:32:18
1	Co 228.616†	-56.9	16.6	1.22062	ug/L	1.22062	ug/L	13:32:38
1	Cr 205.557†	55.4	80.8	7.91646	ug/L	7.91646	ug/L	13:32:38
1	Cu 327.397†	232.7	297.8	9.94875	ug/L	9.94875	ug/L	13:32:18
1	Mn 257.610†	103520.1	105821.4	870.861	ug/L	870.861	ug/L	13:32:18
1	Mo 202.031†	184.9	101.0	13.7002	ug/L	13.7002	ug/L	13:32:38
1	Ni 231.604†	432.1	77.9	7.00636	ug/L	7.00636	ug/L	13:32:38
1	Pb 220.353†	46.7	21.0	12.6679	ug/L	12.6679	ug/L	13:32:38
1	Sb 217.584†	-110.5	-73.9	-39.8844	ug/L	-39.8844	ug/L	13:32:38
1	Se 196.026†	-56.6	-24.2	-46.7225	ug/L	-46.7225	ug/L	13:32:38
1	Si 251.611†	86711.9	88573.6	9632.73	ug/L	9632.73	ug/L	13:32:18
1	Sn 189.927†	-86.9	-93.3	-31.0952	ug/L	-31.0952	ug/L	13:32:38
1	Tl 190.801†	-44.3	-8.6	-7.09094	ug/L	-7.09094	ug/L	13:32:38
1	V 292.395†	-973.0	352.2	8.04938	ug/L	8.04938	ug/L	13:32:38
1	Zn 206.200†	144.9	219.2	27.8611	ug/L	27.8611	ug/L	13:32:38
2	Sc 357.234	138324.2	138324.2	100.843	%			13:31:52
2	Al 396.153†	6760.3	6522.4	2034.68	ug/L	2034.68	ug/L	13:32:12
2	Ba 455.398†	31876.6	31621.9	106.266	ug/L	106.266	ug/L	13:31:52
2	Ca 315.887†	201975.1	200158.9	146.796	mg/L	146.796	mg/L	13:31:52
2	Fe 238.204†	24080.5	23844.2	10309.4	ug/L	10309.4	ug/L	13:32:12
2	K 766.490	2616.4	2560.7	3.47522	mg/L	3.47522	mg/L	13:32:12
2	Li 670.784†	420.6	447.9	12.3809	ug/L	12.3809	ug/L	13:32:12
2	Mg 279.071†	19243.6	19068.8	40.2193	mg/L	40.2193	mg/L	13:32:12
2	Na 589.592†	213904.5	211619.6	29.7629	mg/L	29.7629	mg/L	13:31:52
2	Sr 407.771†	168798.1	167090.7	211.045	ug/L	211.045	ug/L	13:31:52
2	Ti 334.940†	2382.7	2371.6	156.951	ug/L	156.951	ug/L	13:32:12
2	Y 360.076	217897.9	217897.9	97.7650	%			13:32:43
2	Ag 328.068†	29.4	-153.0	0.0298335	ug/L	0.0298335	ug/L	13:32:43
2	As 188.979†	-17.0	8.9	7.63348	ug/L	7.63348	ug/L	13:33:03
2	B 249.677†	1149.9	869.6	50.8181	ug/L	50.8181	ug/L	13:33:03
2	Be 234.861†	-162.3	565.5	-0.197378	ug/L	-0.197378	ug/L	13:32:43
2	Cd 214.437†	439.0	61.7	0.154764	ug/L	0.154764	ug/L	13:33:03
2	Ce 413.764†	1087.4	303.4	9.12284	ug/L	9.12284	ug/L	13:32:43
2	Co 228.616†	-50.1	23.7	2.57362	ug/L	2.57362	ug/L	13:33:03
2	Cr 205.557†	48.8	73.9	7.18694	ug/L	7.18694	ug/L	13:33:03
2	Cu 327.397†	251.0	316.3	10.5301	ug/L	10.5301	ug/L	13:32:43
2	Mn 257.610†	104250.3	106460.0	876.117	ug/L	876.117	ug/L	13:32:43
2	Mo 202.031†	160.3	75.6	9.88484	ug/L	9.88484	ug/L	13:33:03
2	Ni 231.604†	433.8	79.1	7.12565	ug/L	7.12565	ug/L	13:33:03
2	Pb 220.353†	42.9	17.0	9.79474	ug/L	9.79474	ug/L	13:33:03
2	Sb 217.584†	-104.1	-67.1	-34.0764	ug/L	-34.0764	ug/L	13:33:03
2	Se 196.026†	-49.1	-16.5	-24.0656	ug/L	-24.0656	ug/L	13:33:03
2	Si 251.611†	87411.3	89198.1	9700.82	ug/L	9700.82	ug/L	13:32:43
2	Sn 189.927†	-88.6	-94.9	-32.0438	ug/L	-32.0438	ug/L	13:33:03
2	Tl 190.801†	-36.8	-0.8	4.02744	ug/L	4.02744	ug/L	13:33:03
2	V 292.395†	-971.2	355.0	8.08763	ug/L	8.08763	ug/L	13:33:03
2	Zn 206.200†	146.4	220.6	28.0625	ug/L	28.0625	ug/L	13:33:03

Mean Data: 1001177-06

	Mean Corrected	Calib.	Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Sc 357.234	138050.5	100.643	%	0.2822				0.28%
Y 360.076	217786.4	97.7150	%	0.07070				0.07%
Ag 328.068†	-139.6	0.272749	ug/L	0.3435344	0.272749	ug/L	0.3435344	125.95%
Al 396.153†	6530.4	2037.11	ug/L	3.442	2037.11	ug/L	3.442	0.17%
As 188.979†	10.3	10.2017	ug/L	3.63204	10.2017	ug/L	3.63204	35.60%
B 249.677†	868.9	50.7816	ug/L	0.05165	50.7816	ug/L	0.05165	0.10%
Ba 455.398†	31643.8	106.339	ug/L	0.1037	106.339	ug/L	0.1037	0.10%
Be 234.861†	581.9	-0.105094	ug/L	0.1305092	-0.105094	ug/L	0.1305092	124.18%
Ca 315.887†	200198.8	146.826	mg/L	0.0414	146.826	mg/L	0.0414	0.03%
Cd 214.437†	55.6	-0.165142	ug/L	0.4524155	-0.165142	ug/L	0.4524155	273.95%
Ce 413.764†	300.7	9.04266	ug/L	0.113388	9.04266	ug/L	0.113388	1.25%
Co 228.616†	20.1	1.89712	ug/L	0.956721	1.89712	ug/L	0.956721	50.43%
Cr 205.557†	77.3	7.55170	ug/L	0.515845	7.55170	ug/L	0.515845	6.83%
Cu 327.397†	307.1	10.2394	ug/L	0.41111	10.2394	ug/L	0.41111	4.01%
Fe 238.204†	23871.6	10321.3	ug/L	16.76	10321.3	ug/L	16.76	0.16%
K 766.490	2554.1	3.46625	mg/L	0.012695	3.46625	mg/L	0.012695	0.37%
Li 670.784†	453.2	12.5168	ug/L	0.19215	12.5168	ug/L	0.19215	1.54%
Mg 279.071†	19076.3	40.2352	mg/L	0.02246	40.2352	mg/L	0.02246	0.06%
Mn 257.610†	106140.7	873.489	ug/L	3.7168	873.489	ug/L	3.7168	0.43%
Mo 202.031†	88.3	11.7925	ug/L	2.69789	11.7925	ug/L	2.69789	22.88%
Na 589.592†	211509.9	29.7474	mg/L	0.02182	29.7474	mg/L	0.02182	0.07%
Ni 231.604†	78.5	7.06600	ug/L	0.084346	7.06600	ug/L	0.084346	1.19%
Pb 220.353†	19.0	11.2313	ug/L	2.03165	11.2313	ug/L	2.03165	18.09%
Sb 217.584†	-70.5	-36.9804	ug/L	4.10694	-36.9804	ug/L	4.10694	11.11%
Se 196.026†	-20.4	-35.3940	ug/L	16.02087	-35.3940	ug/L	16.02087	45.26%
Si 251.611†	88885.9	9666.78	ug/L	48.145	9666.78	ug/L	48.145	0.50%
Sn 189.927†	-94.1	-31.5695	ug/L	0.67077	-31.5695	ug/L	0.67077	2.12%
Sr 407.771†	167244.3	211.238	ug/L	0.2725	211.238	ug/L	0.2725	0.13%
Ti 334.940†	2372.2	156.988	ug/L	0.0526	156.988	ug/L	0.0526	0.03%
Tl 190.801†	-4.7	-1.53175	ug/L	7.861884	-1.53175	ug/L	7.861884	513.26%
V 292.395†	353.6	8.06851	ug/L	0.027042	8.06851	ug/L	0.027042	0.34%
Zn 206.200†	219.9	27.9618	ug/L	0.14235	27.9618	ug/L	0.14235	0.51%

Sequence No.: 19
Sample ID: 1000383-MS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 1/19/2010 1:34:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000383-MS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	135631.5	135631.5	98.8796	%			13:35:24
1	Al 396.153†	9966.3	9897.8	3073.41	ug/L	3073.41	ug/L	13:35:29
1	Ba 455.398†	145362.5	147021.3	492.561	ug/L	492.561	ug/L	13:35:24
1	Ca 315.887†	211394.9	213661.8	156.700	mg/L	156.700	mg/L	13:35:24
1	Fe 238.204†	14603.6	14734.0	6367.77	ug/L	6367.77	ug/L	13:35:29
1	K 766.490	16514.2	16458.5	22.2556	mg/L	22.2556	mg/L	13:35:29
1	Li 670.784†	15832.0	16042.2	410.739	ug/L	410.739	ug/L	13:35:29
1	Mg 279.071†	26959.4	27250.8	57.4770	mg/L	57.4770	mg/L	13:35:29
1	Na 589.592†	336233.3	339545.8	47.7492	mg/L	47.7492	mg/L	13:35:24
1	Sr 407.771†	465505.8	470483.6	591.766	ug/L	591.766	ug/L	13:35:24
1	Ti 334.940†	6101.4	6179.4	413.021	ug/L	413.021	ug/L	13:35:29
1	Y 360.076	216517.0	216517.0	97.1454	%			13:35:46
1	Ag 328.068†	21393.7	21839.3	395.848	ug/L	395.848	ug/L	13:35:46
1	As 188.979†	979.9	1035.0	1983.29	ug/L	1983.29	ug/L	13:36:06
1	B 249.677†	7401.3	7312.2	431.754	ug/L	431.754	ug/L	13:35:46
1	Be 234.861†	6179.3	7092.4	39.4258	ug/L	39.4258	ug/L	13:35:46
1	Cd 214.437†	7528.6	7362.5	377.787	ug/L	377.787	ug/L	13:36:06
1	Ce 413.764†	1050.0	272.0	8.14955	ug/L	8.14955	ug/L	13:35:46
1	Co 228.616†	1893.8	2024.3	383.897	ug/L	383.897	ug/L	13:36:06
1	Cr 205.557†	3539.2	3667.2	391.019	ug/L	391.019	ug/L	13:36:06
1	Cu 327.397†	12637.8	13068.7	411.250	ug/L	411.250	ug/L	13:35:46
1	Mn 257.610†	137070.5	140924.7	1159.71	ug/L	1159.71	ug/L	13:35:46
1	Mo 202.031†	2583.8	2571.3	384.853	ug/L	384.853	ug/L	13:36:06
1	Ni 231.604†	4050.2	3804.7	386.091	ug/L	386.091	ug/L	13:36:06
1	Pb 220.353†	554.5	544.0	393.852	ug/L	393.852	ug/L	13:36:06
1	Sb 217.584†	1991.2	2089.0	1833.22	ug/L	1833.22	ug/L	13:36:06

1	Se 196.026†	581.6	632.4	1893.77 ug/L	1893.77 ug/L	13:36:06
1	Si 251.611†	84057.7	86316.3	9378.89 ug/L	9378.89 ug/L	13:35:46
1	Sn 189.927†	2953.2	3035.6	1793.68 ug/L	1793.68 ug/L	13:36:06
1	Tl 190.801†	1273.0	1347.2	1932.65 ug/L	1932.65 ug/L	13:36:06
1	V 292.395†	13088.5	14821.5	393.221 ug/L	393.221 ug/L	13:35:46
1	Zn 206.200†	2594.0	2741.2	390.632 ug/L	390.632 ug/L	13:36:06
2	Sc 357.234	135170.8	135170.8	98.5437 %		13:35:35
2	Al 396.153†	9934.9	9900.3	3074.14 ug/L	3074.14 ug/L	13:35:40
2	Ba 455.398†	145198.7	147356.2	493.682 ug/L	493.682 ug/L	13:35:35
2	Ca 315.887†	210850.9	213838.4	156.830 mg/L	156.830 mg/L	13:35:35
2	Fe 238.204†	14554.9	14734.9	6368.19 ug/L	6368.19 ug/L	13:35:40
2	K 766.490	16463.4	16407.8	22.1871 mg/L	22.1871 mg/L	13:35:40
2	Li 670.784†	15821.5	16086.0	411.859 ug/L	411.859 ug/L	13:35:40
2	Mg 279.071†	26921.1	27304.9	57.5912 mg/L	57.5912 mg/L	13:35:40
2	Na 589.592†	336236.9	340708.4	47.9127 mg/L	47.9127 mg/L	13:35:35
2	Sr 407.771†	464589.1	471157.9	592.612 ug/L	592.612 ug/L	13:35:35
2	Ti 334.940†	6079.8	6178.5	412.963 ug/L	412.963 ug/L	13:35:40
2	Y 360.076	215889.3	215889.3	96.8638 %		13:36:11
2	Ag 328.068†	21446.9	21958.2	397.996 ug/L	397.996 ug/L	13:36:11
2	As 188.979†	975.4	1033.3	1980.01 ug/L	1980.01 ug/L	13:36:31
2	B 249.677†	7393.6	7326.5	432.599 ug/L	432.599 ug/L	13:36:11
2	Be 234.861†	6176.3	7107.8	39.5160 ug/L	39.5160 ug/L	13:36:11
2	Cd 214.437†	7522.5	7378.7	378.624 ug/L	378.624 ug/L	13:36:31
2	Ce 413.764†	1074.5	300.4	9.01022 ug/L	9.01022 ug/L	13:36:11
2	Co 228.616†	1890.5	2026.6	384.343 ug/L	384.343 ug/L	13:36:31
2	Cr 205.557†	3532.6	3671.0	391.430 ug/L	391.430 ug/L	13:36:31
2	Cu 327.397†	12631.4	13099.9	412.229 ug/L	412.229 ug/L	13:36:11
2	Mn 257.610†	137373.6	141647.8	1165.66 ug/L	1165.66 ug/L	13:36:11
2	Mo 202.031†	2606.9	2602.9	389.598 ug/L	389.598 ug/L	13:36:31
2	Ni 231.604†	4063.2	3830.2	388.688 ug/L	388.688 ug/L	13:36:31
2	Pb 220.353†	554.8	545.9	395.246 ug/L	395.246 ug/L	13:36:31
2	Sb 217.584†	1989.3	2093.0	1836.75 ug/L	1836.75 ug/L	13:36:31
2	Se 196.026†	580.0	632.5	1893.93 ug/L	1893.93 ug/L	13:36:31
2	Si 251.611†	84034.0	86543.4	9403.66 ug/L	9403.66 ug/L	13:36:11
2	Sn 189.927†	2970.6	3062.5	1809.33 ug/L	1809.33 ug/L	13:36:31
2	Tl 190.801†	1287.4	1365.9	1959.45 ug/L	1959.45 ug/L	13:36:31
2	V 292.395†	13125.7	14899.1	395.313 ug/L	395.313 ug/L	13:36:11
2	Zn 206.200†	2591.3	2746.1	391.347 ug/L	391.347 ug/L	13:36:31

Mean Data: 1000383-MS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	135401.1	98.7117	%	0.23748				0.24%
Y 360.076	216203.1	97.0046	%	0.19915				0.21%
Ag 328.068†	21898.7	396.922	ug/L	1.5192	396.922	ug/L	1.5192	0.38%
Al 396.153†	9899.0	3073.77	ug/L	0.516	3073.77	ug/L	0.516	0.02%
As 188.979†	1034.2	1981.65	ug/L	2.322	1981.65	ug/L	2.322	0.12%
B 249.677†	7319.4	432.177	ug/L	0.5976	432.177	ug/L	0.5976	0.14%
Ba 455.398†	147188.8	493.121	ug/L	0.7925	493.121	ug/L	0.7925	0.16%
Be 234.861†	7100.1	39.4709	ug/L	0.06379	39.4709	ug/L	0.06379	0.16%
Ca 315.887†	213750.1	156.765	mg/L	0.0916	156.765	mg/L	0.0916	0.06%
Cd 214.437†	7370.6	378.205	ug/L	0.5918	378.205	ug/L	0.5918	0.16%
Ce 413.764†	286.2	8.57989	ug/L	0.608587	8.57989	ug/L	0.608587	7.09%
Co 228.616†	2025.4	384.120	ug/L	0.3147	384.120	ug/L	0.3147	0.08%
Cr 205.557†	3669.1	391.225	ug/L	0.2907	391.225	ug/L	0.2907	0.07%
Cu 327.397†	13084.3	411.739	ug/L	0.6924	411.739	ug/L	0.6924	0.17%
Fe 238.204†	14734.4	6367.98	ug/L	0.293	6367.98	ug/L	0.293	0.00%
K 766.490	16433.1	22.2213	mg/L	0.04849	22.2213	mg/L	0.04849	0.22%
Li 670.784†	16064.1	411.299	ug/L	0.7917	411.299	ug/L	0.7917	0.19%
Mg 279.071†	27277.9	57.5341	mg/L	0.08074	57.5341	mg/L	0.08074	0.14%
Mn 257.610†	141286.2	1162.69	ug/L	4.210	1162.69	ug/L	4.210	0.36%
Mo 202.031†	2587.1	387.225	ug/L	3.3547	387.225	ug/L	3.3547	0.87%
Na 589.592†	340127.1	47.8310	mg/L	0.11558	47.8310	mg/L	0.11558	0.24%
Ni 231.604†	3817.4	387.389	ug/L	1.8360	387.389	ug/L	1.8360	0.47%
Pb 220.353†	545.0	394.549	ug/L	0.9861	394.549	ug/L	0.9861	0.25%
Sb 217.584†	2091.0	1834.98	ug/L	2.500	1834.98	ug/L	2.500	0.14%
Se 196.026†	632.4	1893.85	ug/L	0.114	1893.85	ug/L	0.114	0.01%
Si 251.611†	86429.8	9391.28	ug/L	17.511	9391.28	ug/L	17.511	0.19%
Sn 189.927†	3049.0	1801.51	ug/L	11.069	1801.51	ug/L	11.069	0.61%
Sr 407.771†	470820.7	592.189	ug/L	0.5983	592.189	ug/L	0.5983	0.10%

Ti 334.940†	6178.9	412.992 ug/L	0.0410	412.992 ug/L	0.0410	0.01%
Tl 190.801†	1356.5	1946.05 ug/L	18.947	1946.05 ug/L	18.947	0.97%
V 292.395†	14860.3	394.267 ug/L	1.4789	394.267 ug/L	1.4789	0.38%
Zn 206.200†	2743.7	390.990 ug/L	0.5057	390.990 ug/L	0.5057	0.13%

Sequence No.: 20
Sample ID: 1000383-MSD1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 22
Date Collected: 1/19/2010 1:37:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000383-MSD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	137899.3	137899.3	100.533	%			13:38:53
1	Al 396.153†	10113.5	9878.5	3069.19	ug/L	3069.19	ug/L	13:38:58
1	Ba 455.398†	144991.7	144234.8	483.233	ug/L	483.233	ug/L	13:38:53
1	Ca 315.887†	226894.6	225563.4	165.430	mg/L	165.430	mg/L	13:38:53
1	Fe 238.204†	15882.0	15762.7	6812.62	ug/L	6812.62	ug/L	13:38:58
1	K 766.490	16429.2	16373.5	22.1408	mg/L	22.1408	mg/L	13:38:58
1	Li 670.784†	15472.9	15421.7	394.888	ug/L	394.888	ug/L	13:38:58
1	Mg 279.071†	28205.4	28041.9	59.1455	mg/L	59.1455	mg/L	13:38:58
1	Na 589.592†	350038.4	347685.5	48.8937	mg/L	48.8937	mg/L	13:38:53
1	Sr 407.771†	471534.9	468738.4	589.576	ug/L	589.576	ug/L	13:38:53
1	Ti 334.940†	6399.5	6374.4	426.136	ug/L	426.136	ug/L	13:38:58
1	Y 360.076	217347.9	217347.9	97.5182	%			13:39:15
1	Ag 328.068†	20699.6	21043.3	381.670	ug/L	381.670	ug/L	13:39:15
1	As 188.979†	937.2	987.4	1891.43	ug/L	1891.43	ug/L	13:39:35
1	B 249.677†	7162.8	7038.5	415.589	ug/L	415.589	ug/L	13:39:15
1	Be 234.861†	5936.2	6818.8	37.6706	ug/L	37.6706	ug/L	13:39:15
1	Cd 214.437†	7293.4	7091.7	363.728	ug/L	363.728	ug/L	13:39:35
1	Ce 413.764†	1091.2	310.1	9.29462	ug/L	9.29462	ug/L	13:39:15
1	Co 228.616†	1820.5	1941.7	368.099	ug/L	368.099	ug/L	13:39:35
1	Cr 205.557†	3439.8	3551.4	378.670	ug/L	378.670	ug/L	13:39:35
1	Cu 327.397†	12208.8	12579.0	395.876	ug/L	395.876	ug/L	13:39:15
1	Mn 257.610†	142139.4	145583.1	1198.08	ug/L	1198.08	ug/L	13:39:15
1	Mo 202.031†	2675.9	2655.6	397.513	ug/L	397.513	ug/L	13:39:35
1	Ni 231.604†	3968.9	3705.3	376.032	ug/L	376.032	ug/L	13:39:35
1	Pb 220.353†	539.7	526.6	381.206	ug/L	381.206	ug/L	13:39:35
1	Sb 217.584†	2054.2	2145.8	1883.99	ug/L	1883.99	ug/L	13:39:35
1	Se 196.026†	557.4	605.3	1814.03	ug/L	1814.03	ug/L	13:39:35
1	Si 251.611†	72107.4	73731.0	8006.48	ug/L	8006.48	ug/L	13:39:15
1	Sn 189.927†	3008.6	3080.9	1821.94	ug/L	1821.94	ug/L	13:39:35
1	Tl 190.801†	1234.9	1303.1	1869.87	ug/L	1869.87	ug/L	13:39:35
1	V 292.395†	12602.6	14271.8	378.803	ug/L	378.803	ug/L	13:39:15
1	Zn 206.200†	2553.3	2689.2	383.096	ug/L	383.096	ug/L	13:39:35
2	Sc 357.234	137912.5	137912.5	100.543	%			13:39:03
2	Al 396.153†	10007.6	9772.2	3036.36	ug/L	3036.36	ug/L	13:39:08
2	Ba 455.398†	145231.9	144459.9	483.986	ug/L	483.986	ug/L	13:39:03
2	Ca 315.887†	227543.5	226187.2	165.887	mg/L	165.887	mg/L	13:39:03
2	Fe 238.204†	15670.6	15551.0	6721.09	ug/L	6721.09	ug/L	13:39:08
2	K 766.490	16203.7	16148.0	21.8360	mg/L	21.8360	mg/L	13:39:08
2	Li 670.784†	15241.7	15190.2	388.974	ug/L	388.974	ug/L	13:39:08
2	Mg 279.071†	27866.2	27701.8	58.4282	mg/L	58.4282	mg/L	13:39:08
2	Na 589.592†	350181.2	347794.1	48.9090	mg/L	48.9090	mg/L	13:39:03
2	Sr 407.771†	472064.3	469220.1	590.181	ug/L	590.181	ug/L	13:39:03
2	Ti 334.940†	6301.4	6276.3	419.537	ug/L	419.537	ug/L	13:39:08
2	Y 360.076	216114.4	216114.4	96.9648	%			13:39:40
2	Ag 328.068†	20667.2	21131.0	383.236	ug/L	383.236	ug/L	13:39:40
2	As 188.979†	940.7	996.4	1908.85	ug/L	1908.85	ug/L	13:40:00
2	B 249.677†	7187.1	7105.5	419.553	ug/L	419.553	ug/L	13:39:40
2	Be 234.861†	5930.9	6848.0	37.8729	ug/L	37.8729	ug/L	13:39:40
2	Cd 214.437†	7255.1	7094.9	363.909	ug/L	363.909	ug/L	13:40:00
2	Ce 413.764†	1040.0	263.6	7.89240	ug/L	7.89240	ug/L	13:39:40
2	Co 228.616†	1816.8	1948.6	369.424	ug/L	369.424	ug/L	13:40:00
2	Cr 205.557†	3415.0	3545.9	378.077	ug/L	378.077	ug/L	13:40:00
2	Cu 327.397†	12189.4	12630.5	397.488	ug/L	397.488	ug/L	13:39:40
2	Mn 257.610†	142128.2	146403.5	1204.83	ug/L	1204.83	ug/L	13:39:40
2	Mo 202.031†	2694.2	2690.2	402.706	ug/L	402.706	ug/L	13:40:00

2	Ni 231.604†	3925.7	3684.1	373.878 ug/L	373.878 ug/L	13:40:00
2	Pb 220.353†	535.4	525.3	380.223 ug/L	380.223 ug/L	13:40:00
2	Sb 217.584†	2044.1	2147.5	1885.20 ug/L	1885.20 ug/L	13:40:00
2	Se 196.026†	561.8	613.1	1837.10 ug/L	1837.10 ug/L	13:40:00
2	Si 251.611†	72112.6	74158.5	8053.23 ug/L	8053.23 ug/L	13:39:40
2	Sn 189.927†	2999.3	3088.9	1826.70 ug/L	1826.70 ug/L	13:40:00
2	Tl 190.801†	1230.4	1305.8	1873.57 ug/L	1873.57 ug/L	13:40:00
2	V 292.395†	12588.7	14331.2	380.444 ug/L	380.444 ug/L	13:39:40
2	Zn 206.200†	2523.3	2673.2	380.827 ug/L	380.827 ug/L	13:40:00

Mean Data: 1000383-MSD1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	137905.9	100.538	%	0.0068				0.01%
Y 360.076	216731.2	97.2415	%	0.39134				0.40%
Ag 328.068†	21087.1	382.453	ug/L	1.1078	382.453	ug/L	1.1078	0.29%
Al 396.153†	9825.4	3052.77	ug/L	23.215	3052.77	ug/L	23.215	0.76%
As 188.979†	991.9	1900.14	ug/L	12.312	1900.14	ug/L	12.312	0.65%
B 249.677†	7072.0	417.571	ug/L	2.8028	417.571	ug/L	2.8028	0.67%
Ba 455.398†	144347.3	483.610	ug/L	0.5330	483.610	ug/L	0.5330	0.11%
Be 234.861†	6833.4	37.7718	ug/L	0.14307	37.7718	ug/L	0.14307	0.38%
Ca 315.887†	225875.3	165.659	mg/L	0.3235	165.659	mg/L	0.3235	0.20%
Cd 214.437†	7093.3	363.819	ug/L	0.1283	363.819	ug/L	0.1283	0.04%
Ce 413.764†	286.8	8.59351	ug/L	0.991515	8.59351	ug/L	0.991515	11.54%
Co 228.616†	1945.1	368.761	ug/L	0.9373	368.761	ug/L	0.9373	0.25%
Cr 205.557†	3548.6	378.373	ug/L	0.4195	378.373	ug/L	0.4195	0.11%
Cu 327.397†	12604.7	396.682	ug/L	1.1394	396.682	ug/L	1.1394	0.29%
Fe 238.204†	15656.8	6766.85	ug/L	64.724	6766.85	ug/L	64.724	0.96%
K 766.490	16260.8	21.9884	mg/L	0.21551	21.9884	mg/L	0.21551	0.98%
Li 670.784†	15305.9	391.931	ug/L	4.1817	391.931	ug/L	4.1817	1.07%
Mg 279.071†	27871.8	58.7868	mg/L	0.50719	58.7868	mg/L	0.50719	0.86%
Mn 257.610†	145993.3	1201.46	ug/L	4.774	1201.46	ug/L	4.774	0.40%
Mo 202.031†	2672.9	400.109	ug/L	3.6720	400.109	ug/L	3.6720	0.92%
Na 589.592†	347739.8	48.9013	mg/L	0.01080	48.9013	mg/L	0.01080	0.02%
Ni 231.604†	3694.7	374.955	ug/L	1.5237	374.955	ug/L	1.5237	0.41%
Pb 220.353†	526.0	380.714	ug/L	0.6953	380.714	ug/L	0.6953	0.18%
Sb 217.584†	2146.6	1884.60	ug/L	0.853	1884.60	ug/L	0.853	0.05%
Se 196.026†	609.2	1825.56	ug/L	16.312	1825.56	ug/L	16.312	0.89%
Si 251.611†	73944.7	8029.85	ug/L	33.061	8029.85	ug/L	33.061	0.41%
Sn 189.927†	3084.9	1824.32	ug/L	3.368	1824.32	ug/L	3.368	0.18%
Sr 407.771†	468979.3	589.879	ug/L	0.4274	589.879	ug/L	0.4274	0.07%
Ti 334.940†	6325.3	422.837	ug/L	4.6665	422.837	ug/L	4.6665	1.10%
Tl 190.801†	1304.4	1871.72	ug/L	2.614	1871.72	ug/L	2.614	0.14%
V 292.395†	14301.5	379.623	ug/L	1.1605	379.623	ug/L	1.1605	0.31%
Zn 206.200†	2681.2	381.962	ug/L	1.6046	381.962	ug/L	1.6046	0.42%

Sequence No.: 21
Sample ID: 0A19026-SRD1
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 23
Date Collected: 1/19/2010 1:41:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A19026-SRD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	140074.8	140074.8	102.119	%			13:42:19
1	Al 396.153†	1521.1	1308.1	396.248	ug/L	1981.24	ug/L	13:42:39
1	Ba 455.398†	6432.0	6310.2	21.5360	ug/L	107.680	ug/L	13:42:19
1	Ca 315.887†	40510.9	39541.9	28.9894	mg/L	144.947	mg/L	13:42:19
1	Fe 238.204†	4967.1	4828.9	2086.87	ug/L	10434.3	ug/L	13:42:39
1	K 766.490	577.3	521.6	0.719751	mg/L	3.59876	mg/L	13:42:39
1	Li 670.784†	97.0	125.8	4.15293	ug/L	20.7647	ug/L	13:42:39
1	Mg 279.071†	3919.8	3824.4	8.06565	mg/L	40.3282	mg/L	13:42:39
1	Na 589.592†	43328.8	41932.4	5.90489	mg/L	29.5245	mg/L	13:42:19
1	Sr 407.771†	34324.0	33315.0	43.1733	ug/L	215.866	ug/L	13:42:19
1	Ti 334.940†	483.0	481.9	29.8632	ug/L	149.316	ug/L	13:42:39
1	Y 360.076	227101.3	227101.3	101.894	%			13:43:11
1	Ag 328.068†	147.2	-38.6	-0.367281	ug/L	-1.83641	ug/L	13:43:31

1	As 188.979†	-23.0	3.7	-1.48269 ug/L	-7.41346 ug/L	13:43:31
1	B 249.677†	494.4	178.7	8.97613 ug/L	44.8807 ug/L	13:43:31
1	Be 234.861†	-598.5	144.1	0.105671 ug/L	0.528353 ug/L	13:43:31
1	Cd 214.437†	391.1	-3.5	-1.61579 ug/L	-8.07895 ug/L	13:43:31
1	Ce 413.764†	865.3	40.3	1.20881 ug/L	6.04404 ug/L	13:43:11
1	Co 228.616†	-65.9	10.2	0.585685 ug/L	2.92842 ug/L	13:43:31
1	Cr 205.557†	0.1	24.1	1.35764 ug/L	6.78821 ug/L	13:43:31
1	Cu 327.397†	34.8	93.7	3.45945 ug/L	17.2973 ug/L	13:43:11
1	Mn 257.610†	21690.8	21113.9	173.170 ug/L	865.848 ug/L	13:43:11
1	Mo 202.031†	127.2	36.4	3.99689 ug/L	19.9844 ug/L	13:43:31
1	Ni 231.604†	376.5	5.0	-0.422351 ug/L	-2.11176 ug/L	13:43:31
1	Pb 220.353†	41.1	13.5	7.16691 ug/L	35.8345 ug/L	13:43:31
1	Sb 217.584†	-53.0	-12.7	-11.3734 ug/L	-56.8672 ug/L	13:43:31
1	Se 196.026†	-45.6	-11.0	-17.3610 ug/L	-86.8051 ug/L	13:43:31
1	Si 251.611†	18067.5	17520.1	1886.89 ug/L	9434.43 ug/L	13:43:11
1	Sn 189.927†	-22.8	-26.7	-18.0074 ug/L	-90.0368 ug/L	13:43:31
1	Tl 190.801†	-37.3	0.2	4.20669 ug/L	21.0335 ug/L	13:43:31
1	V 292.395†	-1312.7	60.1	1.85188 ug/L	9.25941 ug/L	13:43:31
1	Zn 206.200†	-29.6	41.9	3.69812 ug/L	18.4906 ug/L	13:43:31
2	Sc 357.234	142051.6	142051.6	103.560 %		13:42:45
2	Al 396.153†	1519.1	1285.5	389.220 ug/L	1946.10 ug/L	13:43:05
2	Ba 455.398†	6467.7	6257.1	21.3581 ug/L	106.791 ug/L	13:42:45
2	Ca 315.887†	40754.5	39225.0	28.7570 mg/L	143.785 mg/L	13:42:45
2	Fe 238.204†	5003.1	4796.0	2072.62 ug/L	10363.1 ug/L	13:43:05
2	K 766.490	572.7	517.0	0.713578 mg/L	3.56789 mg/L	13:43:05
2	Li 670.784†	124.5	151.0	4.79743 ug/L	23.9872 ug/L	13:43:05
2	Mg 279.071†	3938.7	3789.3	7.99157 mg/L	39.9578 mg/L	13:43:05
2	Na 589.592†	43610.0	41613.5	5.86006 mg/L	29.3003 mg/L	13:42:45
2	Sr 407.771†	34533.2	33049.3	42.8398 ug/L	214.199 ug/L	13:42:45
2	Ti 334.940†	482.4	474.6	29.3778 ug/L	146.889 ug/L	13:43:05
2	Y 360.076	225422.8	225422.8	101.141 %		13:43:36
2	Ag 328.068†	143.0	-41.7	-0.425104 ug/L	-2.12552 ug/L	13:43:56
2	As 188.979†	-15.5	11.0	12.4892 ug/L	62.4460 ug/L	13:43:56
2	B 249.677†	499.5	187.4	9.49047 ug/L	47.4523 ug/L	13:43:56
2	Be 234.861†	-614.2	124.2	-0.0064628 ug/L	-0.0323140 ug/L	13:43:56
2	Cd 214.437†	393.7	2.0	-1.33245 ug/L	-6.66223 ug/L	13:43:56
2	Ce 413.764†	869.8	51.1	1.53613 ug/L	7.68063 ug/L	13:43:36
2	Co 228.616†	-70.6	5.0	-0.407606 ug/L	-2.03803 ug/L	13:43:56
2	Cr 205.557†	-10.7	13.4	0.211234 ug/L	1.05617 ug/L	13:43:56
2	Cu 327.397†	37.4	96.5	3.54735 ug/L	17.7367 ug/L	13:43:36
2	Mn 257.610†	21709.0	21290.4	174.622 ug/L	873.111 ug/L	13:43:36
2	Mo 202.031†	119.1	29.4	2.93882 ug/L	14.6941 ug/L	13:43:56
2	Ni 231.604†	379.0	10.2	0.107011 ug/L	0.535055 ug/L	13:43:56
2	Pb 220.353†	26.2	-0.9	-3.36962 ug/L	-16.8481 ug/L	13:43:56
2	Sb 217.584†	-51.2	-11.3	-10.2225 ug/L	-51.1124 ug/L	13:43:56
2	Se 196.026†	-41.5	-7.3	-6.38229 ug/L	-31.9114 ug/L	13:43:56
2	Si 251.611†	18158.1	17741.8	1911.06 ug/L	9555.30 ug/L	13:43:36
2	Sn 189.927†	-28.9	-32.9	-21.6911 ug/L	-108.455 ug/L	13:43:56
2	Tl 190.801†	-45.2	-7.9	-7.33711 ug/L	-36.6856 ug/L	13:43:56
2	V 292.395†	-1287.6	75.4	2.24657 ug/L	11.2328 ug/L	13:43:56
2	Zn 206.200†	-23.4	47.8	4.55524 ug/L	22.7762 ug/L	13:43:56

Mean Data: 0A19026-SRD1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	141063.2	102.840	%	1.0190				0.99%
Y 360.076	226262.0	101.518	%	0.5325				0.52%
Ag 328.068†	-40.2	-0.396193	ug/L	0.0408870	-1.98096	ug/L	0.204435	10.32%
Al 396.153†	1296.8	392.734	ug/L	4.9695	1963.67	ug/L	24.848	1.27%
As 188.979†	7.3	5.50325	ug/L	9.879618	27.5163	ug/L	49.39809	179.52%
B 249.677†	183.0	9.23330	ug/L	0.363687	46.1665	ug/L	1.81844	3.94%
Ba 455.398†	6283.7	21.4471	ug/L	0.12577	107.235	ug/L	0.6289	0.59%
Be 234.861†	134.2	0.0496039	ug/L	0.07929025	0.248019	ug/L	0.3964512	159.85%
Ca 315.887†	39383.5	28.8732	mg/L	0.16435	144.366	mg/L	0.8218	0.57%
Cd 214.437†	-0.8	-1.47412	ug/L	0.200354	-7.37059	ug/L	1.001772	13.59%
Ce 413.764†	45.7	1.37247	ug/L	0.231448	6.86233	ug/L	1.157240	16.86%
Co 228.616†	7.6	0.0890396	ug/L	0.70236239	0.445198	ug/L	3.5118120	788.82%
Cr 205.557†	18.8	0.784438	ug/L	0.8106334	3.92219	ug/L	4.053167	103.34%
Cu 327.397†	95.1	3.50340	ug/L	0.062153	17.5170	ug/L	0.31076	1.77%
Fe 238.204†	4812.5	2079.75	ug/L	10.074	10398.7	ug/L	50.37	0.48%

K 766.490	519.3	0.716665 mg/L	0.0043652	3.58332 mg/L	0.021826	0.61%
Li 670.784†	138.4	4.47518 ug/L	0.455728	22.3759 ug/L	2.27864	10.18%
Mg 279.071†	3806.8	8.02861 mg/L	0.052383	40.1430 mg/L	0.26192	0.65%
Mn 257.610†	21202.2	173.896 ug/L	1.0272	869.480 ug/L	5.1358	0.59%
Mo 202.031†	32.9	3.46785 ug/L	0.748167	17.3393 ug/L	3.74083	21.57%
Na 589.592†	41772.9	5.88248 mg/L	0.031703	29.4124 mg/L	0.15852	0.54%
Ni 231.604†	7.6	-0.157670 ug/L	0.3743156	-0.788350 ug/L	1.8715778	237.40%
Pb 220.353†	6.3	1.89864 ug/L	7.450450	9.49322 ug/L	37.252252	392.41%
Sb 217.584†	-12.0	-10.7980 ug/L	0.81385	-53.9898 ug/L	4.06923	7.54%
Se 196.026†	-9.1	-11.8717 ug/L	7.76314	-59.3583 ug/L	38.81569	65.39%
Si 251.611†	17630.9	1898.97 ug/L	17.094	9494.87 ug/L	85.470	0.90%
Sn 189.927†	-29.8	-19.8492 ug/L	2.60479	-99.2461 ug/L	13.02393	13.12%
Sr 407.771†	33182.1	43.0065 ug/L	0.23577	215.033 ug/L	1.1788	0.55%
Ti 334.940†	478.3	29.6205 ug/L	0.34319	148.102 ug/L	1.7160	1.16%
Tl 190.801†	-3.8	-1.56521 ug/L	8.162704	-7.82606 ug/L	40.813519	521.51%
V 292.395†	67.7	2.04922 ug/L	0.279084	10.2461 ug/L	1.39542	13.62%
Zn 206.200†	44.8	4.12668 ug/L	0.606074	20.6334 ug/L	3.03037	14.69%

Sequence No.: 22
Sample ID: 1000383-PS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 24
Date Collected: 1/19/2010 1:45:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000383-PS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	135867.2	135867.2	99.0515	%			13:46:19
1	Al 396.153†	10524.6	10444.0	3244.75	ug/L	3244.75	ug/L	13:46:24
1	Ba 455.398†	101344.9	102327.1	342.949	ug/L	342.949	ug/L	13:46:19
1	Ca 315.887†	213670.0	215587.8	158.113	mg/L	158.113	mg/L	13:46:19
1	Fe 238.204†	24243.3	24440.3	10566.4	ug/L	10566.4	ug/L	13:46:24
1	K 766.490	11229.7	11174.0	15.1146	mg/L	15.1146	mg/L	13:46:24
1	Li 670.784†	9631.1	9754.1	250.109	ug/L	250.109	ug/L	13:46:24
1	Mg 279.071†	24496.7	24717.2	52.1331	mg/L	52.1331	mg/L	13:46:24
1	Na 589.592†	294638.8	296963.0	41.7621	mg/L	41.7621	mg/L	13:46:19
1	Sr 407.771†	353488.5	356576.8	448.827	ug/L	448.827	ug/L	13:46:19
1	Ti 334.940†	6059.4	6126.2	409.449	ug/L	409.449	ug/L	13:46:24
1	Y 360.076	215702.9	215702.9	96.7801	%			13:46:40
1	Ag 328.068†	12826.5	13070.2	238.431	ug/L	238.431	ug/L	13:46:40
1	As 188.979†	575.7	621.2	1185.75	ug/L	1185.75	ug/L	13:47:00
1	B 249.677†	4961.9	4820.5	284.669	ug/L	284.669	ug/L	13:47:00
1	Be 234.861†	3775.9	4633.0	23.5792	ug/L	23.5792	ug/L	13:46:40
1	Cd 214.437†	4672.3	4440.4	226.146	ug/L	226.146	ug/L	13:47:00
1	Ce 413.764†	1093.6	321.1	9.61039	ug/L	9.61039	ug/L	13:46:40
1	Co 228.616†	1116.9	1229.0	231.995	ug/L	231.995	ug/L	13:47:00
1	Cr 205.557†	2158.9	2254.7	240.299	ug/L	240.299	ug/L	13:47:00
1	Cu 327.397†	7677.5	7992.4	251.798	ug/L	251.798	ug/L	13:46:40
1	Mn 257.610†	129316.5	133445.2	1098.29	ug/L	1098.29	ug/L	13:46:40
1	Mo 202.031†	1790.7	1762.0	263.250	ug/L	263.250	ug/L	13:47:00
1	Ni 231.604†	2607.4	2329.5	236.086	ug/L	236.086	ug/L	13:47:00
1	Pb 220.353†	349.5	334.3	241.113	ug/L	241.113	ug/L	13:47:00
1	Sb 217.584†	1291.2	1373.4	1222.14	ug/L	1222.14	ug/L	13:47:00
1	Se 196.026†	326.5	371.1	1124.67	ug/L	1124.67	ug/L	13:47:00
1	Si 251.611†	97118.0	100137.6	10887.0	ug/L	10887.0	ug/L	13:46:40
1	Sn 189.927†	1992.0	2053.9	1222.14	ug/L	1222.14	ug/L	13:47:00
1	Tl 190.801†	753.1	814.9	1172.12	ug/L	1172.12	ug/L	13:47:00
1	V 292.395†	7640.0	9242.6	244.392	ug/L	244.392	ug/L	13:47:00
1	Zn 206.200†	1649.7	1775.5	251.545	ug/L	251.545	ug/L	13:47:00
2	Sc 357.234	135348.4	135348.4	98.6733	%			13:46:29
2	Al 396.153†	10525.2	10485.3	3257.62	ug/L	3257.62	ug/L	13:46:34
2	Ba 455.398†	101481.1	102857.3	344.723	ug/L	344.723	ug/L	13:46:29
2	Ca 315.887†	213771.9	216517.8	158.795	mg/L	158.795	mg/L	13:46:29
2	Fe 238.204†	24207.2	24497.6	10591.2	ug/L	10591.2	ug/L	13:46:34
2	K 766.490	11136.5	11080.9	14.9887	mg/L	14.9887	mg/L	13:46:34
2	Li 670.784†	9640.3	9800.7	251.300	ug/L	251.300	ug/L	13:46:34
2	Mg 279.071†	24441.0	24755.5	52.2140	mg/L	52.2140	mg/L	13:46:34
2	Na 589.592†	295004.3	298473.5	41.9745	mg/L	41.9745	mg/L	13:46:29
2	Sr 407.771†	353598.1	358055.7	450.683	ug/L	450.683	ug/L	13:46:29

2	Ti 334.940†	6028.8	6118.7	408.944 ug/L	408.944 ug/L	13:46:34
2	Y 360.076	216062.1	216062.1	96.9413 %		13:47:06
2	Ag 328.068†	12850.8	13073.2	238.500 ug/L	238.500 ug/L	13:47:06
2	As 188.979†	576.9	621.4	1186.29 ug/L	1186.29 ug/L	13:47:26
2	B 249.677†	5004.8	4856.1	286.787 ug/L	286.787 ug/L	13:47:26
2	Be 234.861†	3797.7	4649.0	23.6647 ug/L	23.6647 ug/L	13:47:06
2	Cd 214.437†	4693.7	4454.5	226.866 ug/L	226.866 ug/L	13:47:26
2	Ce 413.764†	1119.7	346.2	10.3699 ug/L	10.3699 ug/L	13:47:06
2	Co 228.616†	1118.8	1229.0	231.998 ug/L	231.998 ug/L	13:47:26
2	Cr 205.557†	2150.7	2242.5	238.997 ug/L	238.997 ug/L	13:47:26
2	Cu 327.397†	7705.2	8007.8	252.282 ug/L	252.282 ug/L	13:47:06
2	Mn 257.610†	129811.8	133733.9	1100.67 ug/L	1100.67 ug/L	13:47:06
2	Mo 202.031†	1823.9	1793.1	267.929 ug/L	267.929 ug/L	13:47:26
2	Ni 231.604†	2635.4	2354.0	238.584 ug/L	238.584 ug/L	13:47:26
2	Pb 220.353†	349.6	333.8	240.732 ug/L	240.732 ug/L	13:47:26
2	Sb 217.584†	1292.3	1372.4	1221.28 ug/L	1221.28 ug/L	13:47:26
2	Se 196.026†	329.7	373.8	1132.61 ug/L	1132.61 ug/L	13:47:26
2	Si 251.611†	97490.3	100354.8	10910.7 ug/L	10910.7 ug/L	13:47:06
2	Sn 189.927†	1999.2	2057.9	1224.62 ug/L	1224.62 ug/L	13:47:26
2	Tl 190.801†	754.9	815.5	1172.89 ug/L	1172.89 ug/L	13:47:26
2	V 292.395†	7738.0	9330.5	246.752 ug/L	246.752 ug/L	13:47:26
2	Zn 206.200†	1642.3	1765.0	250.029 ug/L	250.029 ug/L	13:47:26

Mean Data: 1000383-PS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	135607.8	98.8624	%	0.26742				0.27%
Y 360.076	215882.5	96.8607	%	0.11398				0.12%
Ag 328.068†	13071.7	238.466	ug/L	0.0489	238.466	ug/L	0.0489	0.02%
Al 396.153†	10464.7	3251.18	ug/L	9.099	3251.18	ug/L	9.099	0.28%
As 188.979†	621.3	1186.02	ug/L	0.378	1186.02	ug/L	0.378	0.03%
B 249.677†	4838.3	285.728	ug/L	1.4978	285.728	ug/L	1.4978	0.52%
Ba 455.398†	102592.2	343.836	ug/L	1.2550	343.836	ug/L	1.2550	0.37%
Be 234.861†	4641.0	23.6220	ug/L	0.06051	23.6220	ug/L	0.06051	0.26%
Ca 315.887†	216052.8	158.454	mg/L	0.4824	158.454	mg/L	0.4824	0.30%
Cd 214.437†	4447.5	226.506	ug/L	0.5087	226.506	ug/L	0.5087	0.22%
Ce 413.764†	333.7	9.99016	ug/L	0.537074	9.99016	ug/L	0.537074	5.38%
Co 228.616†	1229.0	231.996	ug/L	0.0026	231.996	ug/L	0.0026	0.00%
Cr 205.557†	2248.6	239.648	ug/L	0.9203	239.648	ug/L	0.9203	0.38%
Cu 327.397†	8000.1	252.040	ug/L	0.3417	252.040	ug/L	0.3417	0.14%
Fe 238.204†	24469.0	10578.8	ug/L	17.51	10578.8	ug/L	17.51	0.17%
K 766.490	11127.5	15.0517	mg/L	0.08901	15.0517	mg/L	0.08901	0.59%
Li 670.784†	9777.4	250.705	ug/L	0.8423	250.705	ug/L	0.8423	0.34%
Mg 279.071†	24736.4	52.1736	mg/L	0.05714	52.1736	mg/L	0.05714	0.11%
Mn 257.610†	133589.5	1099.48	ug/L	1.681	1099.48	ug/L	1.681	0.15%
Mo 202.031†	1777.5	265.590	ug/L	3.3090	265.590	ug/L	3.3090	1.25%
Na 589.592†	297718.3	41.8683	mg/L	0.15017	41.8683	mg/L	0.15017	0.36%
Ni 231.604†	2341.8	237.335	ug/L	1.7666	237.335	ug/L	1.7666	0.74%
Pb 220.353†	334.1	240.922	ug/L	0.2691	240.922	ug/L	0.2691	0.11%
Sb 217.584†	1372.9	1221.71	ug/L	0.612	1221.71	ug/L	0.612	0.05%
Se 196.026†	372.5	1128.64	ug/L	5.617	1128.64	ug/L	5.617	0.50%
Si 251.611†	100246.2	10898.9	ug/L	16.76	10898.9	ug/L	16.76	0.15%
Sn 189.927†	2055.9	1223.38	ug/L	1.757	1223.38	ug/L	1.757	0.14%
Sr 407.771†	357316.2	449.755	ug/L	1.3123	449.755	ug/L	1.3123	0.29%
Ti 334.940†	6122.5	409.196	ug/L	0.3575	409.196	ug/L	0.3575	0.09%
Tl 190.801†	815.2	1172.51	ug/L	0.544	1172.51	ug/L	0.544	0.05%
V 292.395†	9286.5	245.572	ug/L	1.6685	245.572	ug/L	1.6685	0.68%
Zn 206.200†	1770.3	250.787	ug/L	1.0718	250.787	ug/L	1.0718	0.43%

Sequence No.: 23
Sample ID: 10001177-08
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 25
Date Collected: 1/19/2010 1:48:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 10001177-08

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

1	Sc 357.234	134737.0	134737.0	98.2275	%		13:49:46
1	Al 396.153†	26691.4	26991.7	8378.51	ug/L	8378.51 ug/L	13:49:51
1	Ba 455.398†	61934.0	63063.3	211.515	ug/L	211.515 ug/L	13:49:46
1	Ca 315.887†	296192.1	301408.5	221.059	mg/L	221.059 mg/L	13:49:46
1	Fe 238.204†	98072.9	99807.5	43164.0	ug/L	43164.0 ug/L	13:49:46
1	K 766.490	3743.7	3688.1	4.99863	mg/L	4.99863 mg/L	13:49:51
1	Li 670.784†	544.1	584.7	15.8753	ug/L	15.8753 ug/L	13:49:51
1	Mg 279.071†	28044.8	28536.8	60.1894	mg/L	60.1894 mg/L	13:49:51
1	Na 589.592†	478211.7	486343.7	68.3890	mg/L	68.3890 mg/L	13:49:46
1	Sr 407.771†	206130.4	209553.2	264.331	ug/L	264.331 ug/L	13:49:46
1	Ti 334.940†	5091.2	5191.9	346.616	ug/L	346.616 ug/L	13:49:51
1	Y 360.076	216756.1	216756.1	97.2527	%		13:50:08
1	Ag 328.068†	-255.4	-445.7	0.0248711	ug/L	0.0248711 ug/L	13:50:08
1	As 188.979†	-9.8	16.3	20.2134	ug/L	20.2134 ug/L	13:50:28
1	B 249.677†	1196.9	924.2	57.7203	ug/L	57.7203 ug/L	13:50:08
1	Be 234.861†	1669.7	2448.3	-0.236601	ug/L	-0.236601 ug/L	13:50:08
1	Cd 214.437†	550.3	178.6	-0.274510	ug/L	-0.274510 ug/L	13:50:28
1	Ce 413.764†	1948.5	1194.7	36.0286	ug/L	36.0286 ug/L	13:50:08
1	Co 228.616†	3.1	78.1	11.3894	ug/L	11.3894 ug/L	13:50:28
1	Cr 205.557†	921.2	971.2	105.151	ug/L	105.151 ug/L	13:50:28
1	Cu 327.397†	2596.3	2729.2	86.4355	ug/L	86.4355 ug/L	13:50:08
1	Mn 257.610†	254879.0	261905.5	2157.11	ug/L	2157.11 ug/L	13:50:08
1	Mo 202.031†	305.8	226.1	32.4890	ug/L	32.4890 ug/L	13:50:28
1	Ni 231.604†	829.3	488.2	48.7465	ug/L	48.7465 ug/L	13:50:28
1	Pb 220.353†	81.8	57.3	39.1106	ug/L	39.1106 ug/L	13:50:28
1	Sb 217.584†	-250.7	-218.4	-67.0448	ug/L	-67.0448 ug/L	13:50:28
1	Se 196.026†	-62.0	-30.1	-25.3269	ug/L	-25.3269 ug/L	13:50:28
1	Si 251.611†	125656.8	128995.1	14043.4	ug/L	14043.4 ug/L	13:50:08
1	Sn 189.927†	-89.8	-96.6	-16.8425	ug/L	-16.8425 ug/L	13:50:28
1	Tl 190.801†	-53.3	-18.0	-18.5980	ug/L	-18.5980 ug/L	13:50:28
1	V 292.395†	-43.2	1304.0	27.1376	ug/L	27.1376 ug/L	13:50:28
1	Zn 206.200†	3091.7	3250.0	461.421	ug/L	461.421 ug/L	13:50:28
2	Sc 357.234	135539.5	135539.5	98.8126	%		13:49:56
2	Al 396.153†	26833.3	26974.4	8373.23	ug/L	8373.23 ug/L	13:50:01
2	Ba 455.398†	62138.5	62896.9	210.958	ug/L	210.958 ug/L	13:49:56
2	Ca 315.887†	298380.2	301837.5	221.374	mg/L	221.374 mg/L	13:49:56
2	Fe 238.204†	98915.8	100069.3	43277.2	ug/L	43277.2 ug/L	13:49:56
2	K 766.490	3788.7	3733.1	5.05947	mg/L	5.05947 mg/L	13:50:01
2	Li 670.784†	569.1	606.7	16.4369	ug/L	16.4369 ug/L	13:50:01
2	Mg 279.071†	28076.4	28399.8	59.9004	mg/L	59.9004 mg/L	13:50:01
2	Na 589.592†	479879.5	485148.8	68.2210	mg/L	68.2210 mg/L	13:49:56
2	Sr 407.771†	207233.9	209427.4	264.173	ug/L	264.173 ug/L	13:49:56
2	Ti 334.940†	5093.8	5163.8	344.726	ug/L	344.726 ug/L	13:50:01
2	Y 360.076	217608.5	217608.5	97.6351	%		13:50:33
2	Ag 328.068†	-284.1	-474.1	-0.470410	ug/L	-0.470410 ug/L	13:50:33
2	As 188.979†	-8.2	17.9	23.3126	ug/L	23.3126 ug/L	13:50:53
2	B 249.677†	1134.8	855.8	53.6781	ug/L	53.6781 ug/L	13:50:33
2	Be 234.861†	1701.1	2473.8	-0.125254	ug/L	-0.125254 ug/L	13:50:33
2	Cd 214.437†	556.3	182.5	-0.0943102	ug/L	-0.0943102 ug/L	13:50:53
2	Ce 413.764†	1936.1	1174.1	35.4085	ug/L	35.4085 ug/L	13:50:33
2	Co 228.616†	1.6	76.5	11.0890	ug/L	11.0890 ug/L	13:50:53
2	Cr 205.557†	931.3	977.8	105.865	ug/L	105.865 ug/L	13:50:53
2	Cu 327.397†	2600.8	2723.3	86.2484	ug/L	86.2484 ug/L	13:50:33
2	Mn 257.610†	255181.3	261188.5	2151.21	ug/L	2151.21 ug/L	13:50:33
2	Mo 202.031†	310.9	230.0	33.0837	ug/L	33.0837 ug/L	13:50:53
2	Ni 231.604†	846.8	502.8	50.2328	ug/L	50.2328 ug/L	13:50:53
2	Pb 220.353†	86.4	61.7	42.3240	ug/L	42.3240 ug/L	13:50:53
2	Sb 217.584†	-255.1	-221.9	-69.7540	ug/L	-69.7540 ug/L	13:50:53
2	Se 196.026†	-66.3	-34.2	-37.4815	ug/L	-37.4815 ug/L	13:50:53
2	Si 251.611†	127181.0	130050.0	14158.5	ug/L	14158.5 ug/L	13:50:33
2	Sn 189.927†	-97.2	-103.9	-21.0148	ug/L	-21.0148 ug/L	13:50:53
2	Tl 190.801†	-49.9	-14.3	-13.2734	ug/L	-13.2734 ug/L	13:50:53
2	V 292.395†	-13.9	1334.2	27.9187	ug/L	27.9187 ug/L	13:50:53
2	Zn 206.200†	3086.2	3231.8	458.809	ug/L	458.809 ug/L	13:50:53

Mean Data: 10001177-08

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	135138.2	98.5200	%	0.41372				0.42%
Y 360.076	217182.3	97.4439	%	0.27043				0.28%

Ag 328.068†	-459.9	-0.222769 ug/L	0.3502166	-0.222769 ug/L	0.3502166	157.21%
Al 396.153†	26983.0	8375.87 ug/L	3.734	8375.87 ug/L	3.734	0.04%
As 188.979†	17.1	21.7630 ug/L	2.19144	21.7630 ug/L	2.19144	10.07%
B 249.677†	890.0	55.6992 ug/L	2.85821	55.6992 ug/L	2.85821	5.13%
Ba 455.398†	62980.1	211.236 ug/L	0.3939	211.236 ug/L	0.3939	0.19%
Be 234.861†	2461.0	-0.180927 ug/L	0.0787342	-0.180927 ug/L	0.0787342	43.52%
Ca 315.887†	301623.0	221.217 mg/L	0.2225	221.217 mg/L	0.2225	0.10%
Cd 214.437†	180.5	-0.184410 ug/L	0.1274205	-0.184410 ug/L	0.1274205	69.10%
Ce 413.764†	1184.4	35.7186 ug/L	0.43851	35.7186 ug/L	0.43851	1.23%
Co 228.616†	77.3	11.2392 ug/L	0.21242	11.2392 ug/L	0.21242	1.89%
Cr 205.557†	974.5	105.508 ug/L	0.5053	105.508 ug/L	0.5053	0.48%
Cu 327.397†	2726.3	86.3420 ug/L	0.13227	86.3420 ug/L	0.13227	0.15%
Fe 238.204†	99938.4	43220.6 ug/L	80.10	43220.6 ug/L	80.10	0.19%
K 766.490	3710.6	5.02905 mg/L	0.043020	5.02905 mg/L	0.043020	0.86%
Li 670.784†	595.7	16.1561 ug/L	0.39712	16.1561 ug/L	0.39712	2.46%
Mg 279.071†	28468.3	60.0449 mg/L	0.20434	60.0449 mg/L	0.20434	0.34%
Mn 257.610†	261547.0	2154.16 ug/L	4.171	2154.16 ug/L	4.171	0.19%
Mo 202.031†	228.0	32.7863 ug/L	0.42051	32.7863 ug/L	0.42051	1.28%
Na 589.592†	485746.2	68.3050 mg/L	0.11879	68.3050 mg/L	0.11879	0.17%
Ni 231.604†	495.5	49.4896 ug/L	1.05096	49.4896 ug/L	1.05096	2.12%
Pb 220.353†	59.5	40.7173 ug/L	2.27227	40.7173 ug/L	2.27227	5.58%
Sb 217.584†	-220.2	-68.3994 ug/L	1.91573	-68.3994 ug/L	1.91573	2.80%
Se 196.026†	-32.1	-31.4042 ug/L	8.59460	-31.4042 ug/L	8.59460	27.37%
Si 251.611†	129522.6	14100.9 ug/L	81.39	14100.9 ug/L	81.39	0.58%
Sn 189.927†	-100.3	-18.9287 ug/L	2.95021	-18.9287 ug/L	2.95021	15.59%
Sr 407.771†	209490.3	264.252 ug/L	0.1116	264.252 ug/L	0.1116	0.04%
Ti 334.940†	5177.9	345.671 ug/L	1.3367	345.671 ug/L	1.3367	0.39%
Tl 190.801†	-16.1	-15.9357 ug/L	3.76507	-15.9357 ug/L	3.76507	23.63%
V 292.395†	1319.1	27.5282 ug/L	0.55234	27.5282 ug/L	0.55234	2.01%
Zn 206.200†	3240.9	460.115 ug/L	1.8472	460.115 ug/L	1.8472	0.40%

Sequence No.: 24 **Autosampler Location: 26**
Sample ID: 10001177-10 **Date Collected: 1/19/2010 1:54:10 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 10001177-10

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	135387.7	135387.7	98.7019	%			13:55:15
1	Al 396.153†	29754.4	29964.4	9298.68	ug/L	9298.68	ug/L	13:55:20
1	Ba 455.398†	63244.4	64087.9	214.944	ug/L	214.944	ug/L	13:55:15
1	Ca 315.887†	305219.7	309105.5	226.705	mg/L	226.705	mg/L	13:55:15
1	Fe 238.204†	108371.3	109761.4	47469.2	ug/L	47469.2	ug/L	13:55:15
1	K 766.490	3804.9	3749.3	5.08135	mg/L	5.08135	mg/L	13:55:20
1	Li 670.784†	574.5	612.8	16.5930	ug/L	16.5930	ug/L	13:55:20
1	Mg 279.071†	28638.2	29000.8	61.1680	mg/L	61.1680	mg/L	13:55:20
1	Na 589.592†	461785.0	467360.8	65.7200	mg/L	65.7200	mg/L	13:55:15
1	Sr 407.771†	208068.7	210508.4	265.529	ug/L	265.529	ug/L	13:55:15
1	Ti 334.940†	5805.3	5890.5	393.596	ug/L	393.596	ug/L	13:55:20
1	Y 360.076	214732.4	214732.4	96.3447	%			13:55:36
1	Ag 328.068†	-271.1	-464.5	0.332552	ug/L	0.332552	ug/L	13:55:36
1	As 188.979†	-17.3	8.4	4.65904	ug/L	4.65904	ug/L	13:55:56
1	B 249.677†	1068.9	802.9	50.9893	ug/L	50.9893	ug/L	13:55:36
1	Be 234.861†	1890.0	2693.2	-0.253000	ug/L	-0.253000	ug/L	13:55:36
1	Cd 214.437†	566.0	200.2	-0.0069533	ug/L	-0.0069533	ug/L	13:55:56
1	Ce 413.764†	2055.8	1324.9	39.9540	ug/L	39.9540	ug/L	13:55:36
1	Co 228.616†	8.5	83.7	12.2140	ug/L	12.2140	ug/L	13:55:56
1	Cr 205.557†	1021.8	1084.6	117.537	ug/L	117.537	ug/L	13:55:56
1	Cu 327.397†	2884.9	3053.9	96.6602	ug/L	96.6602	ug/L	13:55:36
1	Mn 257.610†	266434.2	276369.0	2276.35	ug/L	2276.35	ug/L	13:55:36
1	Mo 202.031†	305.1	228.4	32.8326	ug/L	32.8326	ug/L	13:55:56
1	Ni 231.604†	895.2	564.6	56.5180	ug/L	56.5180	ug/L	13:55:56
1	Pb 220.353†	88.0	64.6	44.4130	ug/L	44.4130	ug/L	13:55:56
1	Sb 217.584†	-273.3	-244.3	-76.6486	ug/L	-76.6486	ug/L	13:55:56
1	Se 196.026†	-72.5	-41.6	-54.3548	ug/L	-54.3548	ug/L	13:55:56
1	Si 251.611†	134149.9	139028.0	15137.2	ug/L	15137.2	ug/L	13:55:36
1	Sn 189.927†	-102.3	-110.5	-23.7082	ug/L	-23.7082	ug/L	13:55:56

1	Tl 190.801†	-45.8	-10.8	-7.74452 ug/L	-7.74452 ug/L	13:55:56
1	V 292.395†	91.3	1443.2	29.9810 ug/L	29.9810 ug/L	13:55:56
1	Zn 206.200†	3387.4	3586.8	509.591 ug/L	509.591 ug/L	13:55:56
2	Sc 357.234	134680.0	134680.0	98.1860 %		13:55:25
2	Al 396.153†	29623.4	29989.3	9306.92 ug/L	9306.92 ug/L	13:55:30
2	Ba 455.398†	63556.8	64742.8	217.137 ug/L	217.137 ug/L	13:55:25
2	Ca 315.887†	307063.2	312607.9	229.274 mg/L	229.274 mg/L	13:55:25
2	Fe 238.204†	109123.6	111104.6	48050.2 ug/L	48050.2 ug/L	13:55:25
2	K 766.490	3797.7	3742.1	5.07162 mg/L	5.07162 mg/L	13:55:30
2	Li 670.784†	535.5	576.2	15.6571 ug/L	15.6571 ug/L	13:55:30
2	Mg 279.071†	28544.3	29057.6	61.2879 mg/L	61.2879 mg/L	13:55:30
2	Na 589.592†	463322.1	471384.8	66.2858 mg/L	66.2858 mg/L	13:55:25
2	Sr 407.771†	209070.4	212636.2	268.199 ug/L	268.199 ug/L	13:55:25
2	Ti 334.940†	5824.9	5941.4	397.018 ug/L	397.018 ug/L	13:55:30
2	Y 360.076	215178.7	215178.7	96.5449 %		13:56:02
2	Ag 328.068†	-328.8	-523.6	-0.623524 ug/L	-0.623524 ug/L	13:56:02
2	As 188.979†	-12.9	13.0	13.4629 ug/L	13.4629 ug/L	13:56:22
2	B 249.677†	1113.8	847.1	53.6745 ug/L	53.6745 ug/L	13:56:02
2	Be 234.861†	1894.8	2694.1	-0.443049 ug/L	-0.443049 ug/L	13:56:02
2	Cd 214.437†	556.9	189.5	-0.663457 ug/L	-0.663457 ug/L	13:56:22
2	Ce 413.764†	2093.5	1359.5	41.0000 ug/L	41.0000 ug/L	13:56:02
2	Co 228.616†	5.4	80.5	11.5634 ug/L	11.5634 ug/L	13:56:22
2	Cr 205.557†	1018.1	1078.6	116.928 ug/L	116.928 ug/L	13:56:22
2	Cu 327.397†	2876.2	3038.7	96.1854 ug/L	96.1854 ug/L	13:56:02
2	Mn 257.610†	266343.8	275701.9	2270.87 ug/L	2270.87 ug/L	13:56:02
2	Mo 202.031†	321.0	244.2	35.2103 ug/L	35.2103 ug/L	13:56:22
2	Ni 231.604†	884.6	551.7	55.2112 ug/L	55.2112 ug/L	13:56:22
2	Pb 220.353†	84.5	60.7	41.5984 ug/L	41.5984 ug/L	13:56:22
2	Sb 217.584†	-268.1	-238.4	-69.7156 ug/L	-69.7156 ug/L	13:56:22
2	Se 196.026†	-76.9	-45.9	-66.4776 ug/L	-66.4776 ug/L	13:56:22
2	Si 251.611†	135244.9	139873.5	15229.4 ug/L	15229.4 ug/L	13:56:02
2	Sn 189.927†	-95.3	-103.1	-18.7954 ug/L	-18.7954 ug/L	13:56:22
2	Tl 190.801†	-46.9	-11.8	-9.17562 ug/L	-9.17562 ug/L	13:56:22
2	V 292.395†	114.9	1467.4	30.5366 ug/L	30.5366 ug/L	13:56:22
2	Zn 206.200†	3377.2	3569.0	506.993 ug/L	506.993 ug/L	13:56:22

Mean Data: 10001177-10

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	135033.9	98.4439	%	0.36482				0.37%
Y 360.076	214955.5	96.4448	%	0.14159				0.15%
Ag 328.068†	-494.1	-0.145486	ug/L	0.6760476	-0.145486	ug/L	0.6760476	464.68%
Al 396.153†	29976.8	9302.80	ug/L	5.828	9302.80	ug/L	5.828	0.06%
As 188.979†	10.7	9.06097	ug/L	6.225261	9.06097	ug/L	6.225261	68.70%
B 249.677†	825.0	52.3319	ug/L	1.89872	52.3319	ug/L	1.89872	3.63%
Ba 455.398†	64415.3	216.040	ug/L	1.5501	216.040	ug/L	1.5501	0.72%
Be 234.861†	2693.7	-0.348025	ug/L	0.1343846	-0.348025	ug/L	0.1343846	38.61%
Ca 315.887†	310856.7	227.989	mg/L	1.8165	227.989	mg/L	1.8165	0.80%
Cd 214.437†	194.9	-0.335205	ug/L	0.4642179	-0.335205	ug/L	0.4642179	138.49%
Ce 413.764†	1342.2	40.4770	ug/L	0.73961	40.4770	ug/L	0.73961	1.83%
Co 228.616†	82.1	11.8887	ug/L	0.46004	11.8887	ug/L	0.46004	3.87%
Cr 205.557†	1081.6	117.232	ug/L	0.4304	117.232	ug/L	0.4304	0.37%
Cu 327.397†	3046.3	96.4228	ug/L	0.33576	96.4228	ug/L	0.33576	0.35%
Fe 238.204†	110433.0	47759.7	ug/L	410.80	47759.7	ug/L	410.80	0.86%
K 766.490	3745.7	5.07648	mg/L	0.006877	5.07648	mg/L	0.006877	0.14%
Li 670.784†	594.5	16.1251	ug/L	0.66179	16.1251	ug/L	0.66179	4.10%
Mg 279.071†	29029.2	61.2280	mg/L	0.08474	61.2280	mg/L	0.08474	0.14%
Mn 257.610†	276035.4	2273.61	ug/L	3.868	2273.61	ug/L	3.868	0.17%
Mo 202.031†	236.3	34.0214	ug/L	1.68129	34.0214	ug/L	1.68129	4.94%
Na 589.592†	469372.8	66.0029	mg/L	0.40006	66.0029	mg/L	0.40006	0.61%
Ni 231.604†	558.2	55.8646	ug/L	0.92405	55.8646	ug/L	0.92405	1.65%
Pb 220.353†	62.6	43.0057	ug/L	1.99023	43.0057	ug/L	1.99023	4.63%
Sb 217.584†	-241.3	-73.1821	ug/L	4.90243	-73.1821	ug/L	4.90243	6.70%
Se 196.026†	-43.7	-60.4162	ug/L	8.57213	-60.4162	ug/L	8.57213	14.19%
Si 251.611†	139450.7	15183.3	ug/L	65.22	15183.3	ug/L	65.22	0.43%
Sn 189.927†	-106.8	-21.2518	ug/L	3.47386	-21.2518	ug/L	3.47386	16.35%
Sr 407.771†	211572.3	266.864	ug/L	1.8881	266.864	ug/L	1.8881	0.71%
Ti 334.940†	5916.0	395.307	ug/L	2.4194	395.307	ug/L	2.4194	0.61%
Tl 190.801†	-11.3	-8.46007	ug/L	1.011936	-8.46007	ug/L	1.011936	11.96%
V 292.395†	1455.3	30.2588	ug/L	0.39289	30.2588	ug/L	0.39289	1.30%

Zn 206.200†	3577.9	508.292 ug/L	1.8371	508.292 ug/L	1.8371	0.36%

Sequence No.: 25
Sample ID: 0A19026-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 1/19/2010 1:59:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A19026-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	139882.4	139882.4	101.979	%			14:00:44
1	Al 396.153†	8488.1	8142.0	2493.92	ug/L	2493.92	ug/L	14:00:44
1	Ba 455.398†	152041.1	149102.8	499.528	ug/L	499.528	ug/L	14:00:44
1	Ca 315.887†	7120.5	6853.9	5.01391	mg/L	5.01391	mg/L	14:01:04
1	Fe 238.204†	1238.2	1179.1	508.063	ug/L	508.063	ug/L	14:01:04
1	K 766.490	3733.8	3678.1	4.98517	mg/L	4.98517	mg/L	14:01:04
1	Li 670.784†	20012.9	19655.4	503.038	ug/L	503.038	ug/L	14:00:44
1	Mg 279.071†	2468.3	2406.4	5.07475	mg/L	5.07475	mg/L	14:01:04
1	Na 589.592†	36782.9	35571.8	5.01060	mg/L	5.01060	mg/L	14:00:44
1	Sr 407.771†	404556.5	396410.1	498.813	ug/L	498.813	ug/L	14:00:44
1	Ti 334.940†	7642.4	7502.9	502.032	ug/L	502.032	ug/L	14:01:04
1	Y 360.076	221822.4	221822.4	99.5258	%			14:01:35
1	Ag 328.068†	27988.3	27938.6	503.200	ug/L	503.200	ug/L	14:01:35
1	As 188.979†	1291.0	1323.4	2538.52	ug/L	2538.52	ug/L	14:01:55
1	B 249.677†	8581.5	8315.8	490.332	ug/L	490.332	ug/L	14:01:35
1	Be 234.861†	7814.3	8583.0	50.1486	ug/L	50.1486	ug/L	14:01:55
1	Cd 214.437†	10108.3	9769.1	503.177	ug/L	503.177	ug/L	14:01:55
1	Ce 413.764†	802.5	-2.5	-0.169133	ug/L	-0.169133	ug/L	14:01:35
1	Co 228.616†	2568.2	2655.3	504.323	ug/L	504.323	ug/L	14:01:55
1	Cr 205.557†	4679.1	4725.4	503.767	ug/L	503.767	ug/L	14:01:55
1	Cu 327.397†	15709.4	15843.8	498.471	ug/L	498.471	ug/L	14:01:35
1	Mn 257.610†	61064.5	61181.8	502.982	ug/L	502.982	ug/L	14:01:35
1	Mo 202.031†	3452.0	3380.1	506.363	ug/L	506.363	ug/L	14:01:55
1	Ni 231.604†	5325.7	4986.5	506.311	ug/L	506.311	ug/L	14:01:55
1	Pb 220.353†	720.5	697.1	505.493	ug/L	505.493	ug/L	14:01:55
1	Sb 217.584†	2858.8	2911.8	2532.61	ug/L	2532.61	ug/L	14:01:55
1	Se 196.026†	809.5	847.1	2522.93	ug/L	2522.93	ug/L	14:01:55
1	Si 251.611†	24148.1	24051.7	2586.26	ug/L	2586.26	ug/L	14:01:35
1	Sn 189.927†	4339.6	4356.0	2529.68	ug/L	2529.68	ug/L	14:01:55
1	Tl 190.801†	1706.5	1751.4	2511.05	ug/L	2511.05	ug/L	14:01:55
1	V 292.395†	17517.7	18949.5	504.130	ug/L	504.130	ug/L	14:01:35
1	Zn 206.200†	3442.9	3530.2	505.970	ug/L	505.970	ug/L	14:01:55
2	Sc 357.234	138793.3	138793.3	101.185	%			14:01:09
2	Al 396.153†	8491.5	8210.6	2515.08	ug/L	2515.08	ug/L	14:01:09
2	Ba 455.398†	151671.8	149907.7	502.223	ug/L	502.223	ug/L	14:01:09
2	Ca 315.887†	7075.0	6863.7	5.02110	mg/L	5.02110	mg/L	14:01:29
2	Fe 238.204†	1223.0	1173.6	505.674	ug/L	505.674	ug/L	14:01:29
2	K 766.490	3750.6	3694.9	5.00789	mg/L	5.00789	mg/L	14:01:29
2	Li 670.784†	19981.6	19778.5	506.181	ug/L	506.181	ug/L	14:01:09
2	Mg 279.071†	2445.3	2402.6	5.06685	mg/L	5.06685	mg/L	14:01:29
2	Na 589.592†	36649.0	35722.5	5.03179	mg/L	5.03179	mg/L	14:01:09
2	Sr 407.771†	403696.5	398673.1	501.653	ug/L	501.653	ug/L	14:01:09
2	Ti 334.940†	7590.6	7510.6	502.548	ug/L	502.548	ug/L	14:01:29
2	Y 360.076	222506.8	222506.8	99.8329	%			14:02:00
2	Ag 328.068†	28093.7	27957.6	503.551	ug/L	503.551	ug/L	14:02:00
2	As 188.979†	1294.0	1322.5	2536.63	ug/L	2536.63	ug/L	14:02:21
2	B 249.677†	8616.1	8324.0	490.811	ug/L	490.811	ug/L	14:02:00
2	Be 234.861†	7886.2	8630.9	50.4305	ug/L	50.4305	ug/L	14:02:21
2	Cd 214.437†	10193.4	9823.2	505.966	ug/L	505.966	ug/L	14:02:21
2	Ce 413.764†	854.7	47.3	1.33842	ug/L	1.33842	ug/L	14:02:00
2	Co 228.616†	2587.8	2667.0	506.543	ug/L	506.543	ug/L	14:02:21
2	Cr 205.557†	4743.0	4775.0	509.067	ug/L	509.067	ug/L	14:02:21
2	Cu 327.397†	15831.0	15917.0	500.772	ug/L	500.772	ug/L	14:02:00
2	Mn 257.610†	61616.5	61546.0	505.980	ug/L	505.980	ug/L	14:02:00
2	Mo 202.031†	3483.5	3401.0	509.501	ug/L	509.501	ug/L	14:02:21
2	Ni 231.604†	5381.4	5025.9	510.319	ug/L	510.319	ug/L	14:02:21
2	Pb 220.353†	722.2	696.6	505.115	ug/L	505.115	ug/L	14:02:21
2	Sb 217.584†	2886.1	2930.3	2548.75	ug/L	2548.75	ug/L	14:02:21

2	Se 196.026†	820.2	855.3	2547.13 ug/L	2547.13 ug/L	14:02:21
2	Si 251.611†	24173.8	24002.8	2580.92 ug/L	2580.92 ug/L	14:02:00
2	Sn 189.927†	4394.3	4397.3	2553.78 ug/L	2553.78 ug/L	14:02:21
2	Tl 190.801†	1720.7	1760.4	2523.91 ug/L	2523.91 ug/L	14:02:21
2	V 292.395†	17665.3	19043.3	506.629 ug/L	506.629 ug/L	14:02:00
2	Zn 206.200†	3458.0	3534.7	506.613 ug/L	506.613 ug/L	14:02:21

Mean Data: 0A19026-CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	139337.9	101.582	%	0.5614				0.55%
Y 360.076	222164.6	99.6793	%	0.21712				0.22%
Ag 328.068†	27948.1	503.376	ug/L	0.2481	503.376	ug/L	0.2481	0.05%
QC value within limits for Ag 328.068 Recovery = 100.68%								
Al 396.153†	8176.3	2504.50	ug/L	14.959	2504.50	ug/L	14.959	0.60%
QC value within limits for Al 396.153 Recovery = 100.18%								
As 188.979†	1323.0	2537.58	ug/L	1.339	2537.58	ug/L	1.339	0.05%
QC value within limits for As 188.979 Recovery = 101.50%								
B 249.677†	8319.9	490.571	ug/L	0.3391	490.571	ug/L	0.3391	0.07%
QC value within limits for B 249.677 Recovery = 98.11%								
Ba 455.398†	149505.3	500.876	ug/L	1.9052	500.876	ug/L	1.9052	0.38%
QC value within limits for Ba 455.398 Recovery = 100.18%								
Be 234.861†	8606.9	50.2896	ug/L	0.19937	50.2896	ug/L	0.19937	0.40%
QC value within limits for Be 234.861 Recovery = 100.58%								
Ca 315.887†	6858.8	5.01751	mg/L	0.005082	5.01751	mg/L	0.005082	0.10%
QC value within limits for Ca 315.887 Recovery = 100.35%								
Cd 214.437†	9796.1	504.571	ug/L	1.9720	504.571	ug/L	1.9720	0.39%
QC value within limits for Cd 214.437 Recovery = 100.91%								
Ce 413.764†	22.4	0.584642	ug/L	1.0659993	0.584642	ug/L	1.0659993	182.33%
Co 228.616†	2661.2	505.433	ug/L	1.5702	505.433	ug/L	1.5702	0.31%
QC value within limits for Co 228.616 Recovery = 101.09%								
Cr 205.557†	4750.2	506.417	ug/L	3.7478	506.417	ug/L	3.7478	0.74%
QC value within limits for Cr 205.557 Recovery = 101.28%								
Cu 327.397†	15880.4	499.622	ug/L	1.6267	499.622	ug/L	1.6267	0.33%
QC value within limits for Cu 327.397 Recovery = 99.92%								
Fe 238.204†	1176.3	506.869	ug/L	1.6893	506.869	ug/L	1.6893	0.33%
QC value within limits for Fe 238.204 Recovery = 101.37%								
K 766.490	3686.5	4.99653	mg/L	0.016065	4.99653	mg/L	0.016065	0.32%
QC value within limits for K 766.490 Recovery = 99.93%								
Li 670.784†	19716.9	504.610	ug/L	2.2227	504.610	ug/L	2.2227	0.44%
QC value within limits for Li 670.784 Recovery = 100.92%								
Mg 279.071†	2404.5	5.07080	mg/L	0.005585	5.07080	mg/L	0.005585	0.11%
QC value within limits for Mg 279.071 Recovery = 101.42%								
Mn 257.610†	61363.9	504.481	ug/L	2.1205	504.481	ug/L	2.1205	0.42%
QC value within limits for Mn 257.610 Recovery = 100.90%								
Mo 202.031†	3390.5	507.932	ug/L	2.2195	507.932	ug/L	2.2195	0.44%
QC value within limits for Mo 202.031 Recovery = 101.59%								
Na 589.592†	35647.2	5.02120	mg/L	0.014982	5.02120	mg/L	0.014982	0.30%
QC value within limits for Na 589.592 Recovery = 100.42%								
Ni 231.604†	5006.2	508.315	ug/L	2.8337	508.315	ug/L	2.8337	0.56%
QC value within limits for Ni 231.604 Recovery = 101.66%								
Pb 220.353†	696.8	505.304	ug/L	0.2671	505.304	ug/L	0.2671	0.05%
QC value within limits for Pb 220.353 Recovery = 101.06%								
Sb 217.584†	2921.0	2540.68	ug/L	11.409	2540.68	ug/L	11.409	0.45%
QC value within limits for Sb 217.584 Recovery = 101.63%								
Se 196.026†	851.2	2535.03	ug/L	17.110	2535.03	ug/L	17.110	0.67%
QC value within limits for Se 196.026 Recovery = 101.40%								
Si 251.611†	24027.2	2583.59	ug/L	3.777	2583.59	ug/L	3.777	0.15%
QC value within limits for Si 251.611 Recovery = 103.34%								
Sn 189.927†	4376.7	2541.73	ug/L	17.041	2541.73	ug/L	17.041	0.67%
QC value within limits for Sn 189.927 Recovery = 101.67%								
Sr 407.771†	397541.6	500.233	ug/L	2.0080	500.233	ug/L	2.0080	0.40%
QC value within limits for Sr 407.771 Recovery = 100.05%								
Ti 334.940†	7506.8	502.290	ug/L	0.3648	502.290	ug/L	0.3648	0.07%
QC value within limits for Ti 334.940 Recovery = 100.46%								
Tl 190.801†	1755.9	2517.48	ug/L	9.092	2517.48	ug/L	9.092	0.36%
QC value within limits for Tl 190.801 Recovery = 100.70%								
V 292.395†	18996.4	505.380	ug/L	1.7671	505.380	ug/L	1.7671	0.35%
QC value within limits for V 292.395 Recovery = 101.08%								
Zn 206.200†	3532.5	506.291	ug/L	0.4551	506.291	ug/L	0.4551	0.09%

QC value within limits for Zn 206.200 Recovery = 101.26%
All analyte(s) passed QC.

Sequence No.: 26 **Autosampler Location: 1**
Sample ID: 0A19026-CCB **Date Collected: 1/19/2010 2:03:37 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0A19026-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	137339.3	137339.3	100.125	%			14:04:42
1	Al 396.153†	208.4	26.7	-6.35380	ug/L	-6.35380	ug/L	14:04:42
1	Ba 455.398†	-14.5	-2.8	0.403338	ug/L	0.403338	ug/L	14:04:42
1	Ca 315.887†	157.4	28.8	0.0079397	mg/L	0.0079397	mg/L	14:05:02
1	Fe 238.204†	42.1	7.0	1.74609	ug/L	1.74609	ug/L	14:05:02
1	K 766.490	65.1	9.4	0.0276499	mg/L	0.0276499	mg/L	14:04:42
1	Li 670.784†	-46.9	-16.1	0.528400	ug/L	0.528400	ug/L	14:04:42
1	Mg 279.071†	12.6	-1.4	-0.0038386	mg/L	-0.0038386	mg/L	14:05:02
1	Na 589.592†	541.4	43.4	0.0153150	mg/L	0.0153150	mg/L	14:04:42
1	Sr 407.771†	343.0	45.8	1.42449	ug/L	1.42449	ug/L	14:04:42
1	Ti 334.940†	-7.2	1.6	-2.43335	ug/L	-2.43335	ug/L	14:05:02
1	Y 360.076	223435.9	223435.9	100.250	%			14:05:33
1	Ag 328.068†	132.8	-50.6	-1.19178	ug/L	-1.19178	ug/L	14:05:33
1	As 188.979†	-24.8	1.6	-5.31980	ug/L	-5.31980	ug/L	14:05:53
1	B 249.677†	314.1	6.8	-1.44153	ug/L	-1.44153	ug/L	14:05:53
1	Be 234.861†	-718.5	14.7	0.0500850	ug/L	0.0500850	ug/L	14:05:53
1	Cd 214.437†	389.9	1.7	-0.947987	ug/L	-0.947987	ug/L	14:05:53
1	Ce 413.764†	813.3	2.4	0.0735653	ug/L	0.0735653	ug/L	14:05:33
1	Co 228.616†	-68.2	6.8	0.0763715	ug/L	0.0763715	ug/L	14:05:53
1	Cr 205.557†	-22.0	2.0	-1.13881	ug/L	-1.13881	ug/L	14:05:53
1	Cu 327.397†	-49.5	10.2	0.815791	ug/L	0.815791	ug/L	14:05:33
1	Mn 257.610†	181.4	7.3	-0.675788	ug/L	-0.675788	ug/L	14:05:53
1	Mo 202.031†	92.8	4.2	-0.837826	ug/L	-0.837826	ug/L	14:05:53
1	Ni 231.604†	372.4	6.9	-0.231618	ug/L	-0.231618	ug/L	14:05:53
1	Pb 220.353†	32.8	5.9	1.55780	ug/L	1.55780	ug/L	14:05:53
1	Sb 217.584†	-45.3	-5.8	-11.6535	ug/L	-11.6535	ug/L	14:05:53
1	Se 196.026†	-44.1	-10.3	-17.6932	ug/L	-17.6932	ug/L	14:05:53
1	Si 251.611†	463.8	251.2	4.34358	ug/L	4.34358	ug/L	14:05:53
1	Sn 189.927†	13.5	9.2	-3.44643	ug/L	-3.44643	ug/L	14:05:53
1	Tl 190.801†	-36.7	0.2	3.82392	ug/L	3.82392	ug/L	14:05:53
1	V 292.395†	-1345.3	6.4	0.790908	ug/L	0.790908	ug/L	14:05:33
1	Zn 206.200†	-64.7	6.3	-1.07276	ug/L	-1.07276	ug/L	14:05:53
2	Sc 357.234	139086.4	139086.4	101.398	%			14:05:07
2	Al 396.153†	200.7	16.6	-9.44156	ug/L	-9.44156	ug/L	14:05:07
2	Ba 455.398†	-19.0	-7.0	0.389155	ug/L	0.389155	ug/L	14:05:07
2	Ca 315.887†	150.2	19.7	0.0012261	mg/L	0.0012261	mg/L	14:05:27
2	Fe 238.204†	46.7	11.0	3.48742	ug/L	3.48742	ug/L	14:05:27
2	K 766.490	34.9	-20.8	-0.0131887	mg/L	-0.0131887	mg/L	14:05:07
2	Li 670.784†	-42.7	-11.3	0.649833	ug/L	0.649833	ug/L	14:05:07
2	Mg 279.071†	17.0	2.7	0.0048818	mg/L	0.0048818	mg/L	14:05:27
2	Na 589.592†	505.5	1.2	0.0093853	mg/L	0.0093853	mg/L	14:05:07
2	Sr 407.771†	327.4	26.0	1.39971	ug/L	1.39971	ug/L	14:05:07
2	Ti 334.940†	-7.3	1.7	-2.42842	ug/L	-2.42842	ug/L	14:05:27
2	Y 360.076	223705.7	223705.7	100.371	%			14:05:58
2	Ag 328.068†	129.8	-53.7	-1.24529	ug/L	-1.24529	ug/L	14:05:58
2	As 188.979†	-17.7	8.7	8.39875	ug/L	8.39875	ug/L	14:06:18
2	B 249.677†	313.0	5.3	-1.52145	ug/L	-1.52145	ug/L	14:06:18
2	Be 234.861†	-732.0	2.1	-0.0243374	ug/L	-0.0243374	ug/L	14:06:18
2	Cd 214.437†	389.7	0.9	-0.985302	ug/L	-0.985302	ug/L	14:06:18
2	Ce 413.764†	830.5	18.5	0.561664	ug/L	0.561664	ug/L	14:05:58
2	Co 228.616†	-78.0	-2.9	-1.77230	ug/L	-1.77230	ug/L	14:06:18
2	Cr 205.557†	-21.4	2.7	-1.06454	ug/L	-1.06454	ug/L	14:06:18
2	Cu 327.397†	-58.7	1.1	0.532325	ug/L	0.532325	ug/L	14:05:58
2	Mn 257.610†	189.1	14.7	-0.614939	ug/L	-0.614939	ug/L	14:06:18
2	Mo 202.031†	78.2	-10.5	-3.04814	ug/L	-3.04814	ug/L	14:06:18
2	Ni 231.604†	368.7	2.8	-0.656598	ug/L	-0.656598	ug/L	14:06:18
2	Pb 220.353†	35.4	8.5	3.46699	ug/L	3.46699	ug/L	14:06:18

2	Sb 217.584†	-45.0	-5.5	-11.3459 ug/L	-11.3459 ug/L	14:06:18
2	Se 196.026†	-36.0	-2.1	6.44780 ug/L	6.44780 ug/L	14:06:18
2	Si 251.611†	447.5	234.4	2.50907 ug/L	2.50907 ug/L	14:06:18
2	Sn 189.927†	6.8	2.4	-7.37180 ug/L	-7.37180 ug/L	14:06:18
2	Tl 190.801†	-37.8	-0.9	2.30673 ug/L	2.30673 ug/L	14:06:18
2	V 292.395†	-1327.6	25.7	1.27425 ug/L	1.27425 ug/L	14:05:58
2	Zn 206.200†	-67.2	3.9	-1.42406 ug/L	-1.42406 ug/L	14:06:18

Mean Data: 0A19026-CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 357.234	138212.9	100.762	%	0.9006				0.89%
Y 360.076	223570.8	100.310	%	0.0856				0.09%
Ag 328.068†	-52.2	-1.21854	ug/L	0.037838	-1.21854	ug/L	0.037838	3.11%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	21.6	-7.89768	ug/L	2.183376	-7.89768	ug/L	2.183376	27.65%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	5.2	1.53948	ug/L	9.700479	1.53948	ug/L	9.700479	630.12%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	6.0	-1.48149	ug/L	0.056514	-1.48149	ug/L	0.056514	3.81%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	-4.9	0.396247	ug/L	0.0100290	0.396247	ug/L	0.0100290	2.53%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	8.4	0.0128738	ug/L	0.05262461	0.0128738	ug/L	0.05262461	408.77%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	24.3	0.0045829	mg/L	0.00474719	0.0045829	mg/L	0.00474719	103.59%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	1.3	-0.966645	ug/L	0.0263856	-0.966645	ug/L	0.0263856	2.73%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	10.5	0.317615	ug/L	0.3451377	0.317615	ug/L	0.3451377	108.67%
Co 228.616†	2.0	-0.847966	ug/L	1.3072103	-0.847966	ug/L	1.3072103	154.16%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	2.3	-1.10168	ug/L	0.052514	-1.10168	ug/L	0.052514	4.77%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	5.6	0.674058	ug/L	0.2004410	0.674058	ug/L	0.2004410	29.74%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	9.0	2.61676	ug/L	1.231313	2.61676	ug/L	1.231313	47.05%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	-5.7	0.0072306	mg/L	0.02887728	0.0072306	mg/L	0.02887728	399.38%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	-13.7	0.589117	ug/L	0.0858656	0.589117	ug/L	0.0858656	14.58%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	0.6	0.0005216	mg/L	0.00616619	0.0005216	mg/L	0.00616619	>999.9%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	11.0	-0.645364	ug/L	0.0430269	-0.645364	ug/L	0.0430269	6.67%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-3.1	-1.94298	ug/L	1.562925	-1.94298	ug/L	1.562925	80.44%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	22.3	0.0123502	mg/L	0.00419291	0.0123502	mg/L	0.00419291	33.95%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	4.9	-0.444108	ug/L	0.3005057	-0.444108	ug/L	0.3005057	67.66%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	7.2	2.51240	ug/L	1.350002	2.51240	ug/L	1.350002	53.73%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	-5.6	-11.4997	ug/L	0.21748	-11.4997	ug/L	0.21748	1.89%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	-6.2	-5.62270	ug/L	17.070261	-5.62270	ug/L	17.070261	303.60%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	242.8	3.42633	ug/L	1.297196	3.42633	ug/L	1.297196	37.86%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	5.8	-5.40912	ug/L	2.775654	-5.40912	ug/L	2.775654	51.31%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	35.9	1.41210	ug/L	0.017518	1.41210	ug/L	0.017518	1.24%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	1.7	-2.43088	ug/L	0.003489	-2.43088	ug/L	0.003489	0.14%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-0.4	3.06533	ug/L	1.072820	3.06533	ug/L	1.072820	35.00%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	16.0	1.03258	ug/L	0.341771	1.03258	ug/L	0.341771	33.10%
QC value within limits for V 292.395 Recovery = Not calculated								

Zn 206.200† 5.1 -1.24841 ug/L 0.248404 -1.24841 ug/L 0.248404 19.90%
QC value within limits for Zn 206.200 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 27 **Autosampler Location: 27**
Sample ID: 1000384-BLK1 **Date Collected: 1/19/2010 2:07:34 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1000384-BLK1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	138566.3	138566.3	101.019	%			14:08:39
1	Al 396.153†	163.1	-19.9	-20.7635	ug/L	-20.7635	ug/L	14:08:39
1	Ba 455.398†	23.3	34.8	0.529051	ug/L	0.529051	ug/L	14:08:39
1	Ca 315.887†	214.2	83.6	0.0481079	mg/L	0.0481079	mg/L	14:08:59
1	Fe 238.204†	80.4	44.5	17.9688	ug/L	17.9688	ug/L	14:08:59
1	K 766.490	43.0	-12.6	-0.0021843	mg/L	-0.0021843	mg/L	14:08:39
1	Li 670.784†	-39.0	-7.9	0.738488	ug/L	0.738488	ug/L	14:08:39
1	Mg 279.071†	10.5	-3.7	-0.0085271	mg/L	-0.0085271	mg/L	14:08:59
1	Na 589.592†	567.4	64.3	0.0182580	mg/L	0.0182580	mg/L	14:08:39
1	Sr 407.771†	243.2	-56.1	1.29670	ug/L	1.29670	ug/L	14:08:39
1	Ti 334.940†	-8.2	0.8	-2.49060	ug/L	-2.49060	ug/L	14:08:59
1	Y 360.076	220146.4	220146.4	98.7738	%			14:09:31
1	Ag 328.068†	198.1	17.4	0.0386481	ug/L	0.0386481	ug/L	14:09:31
1	As 188.979†	-20.9	5.1	1.43737	ug/L	1.43737	ug/L	14:09:51
1	B 249.677†	270.7	-32.5	-3.76383	ug/L	-3.76383	ug/L	14:09:51
1	Be 234.861†	-722.0	0.5	-0.0385068	ug/L	-0.0385068	ug/L	14:09:51
1	Cd 214.437†	394.7	12.3	-0.401301	ug/L	-0.401301	ug/L	14:09:51
1	Ce 413.764†	815.3	16.5	0.500773	ug/L	0.500773	ug/L	14:09:31
1	Co 228.616†	-76.3	-2.4	-1.68377	ug/L	-1.68377	ug/L	14:09:51
1	Cr 205.557†	-22.3	1.4	-1.20139	ug/L	-1.20139	ug/L	14:09:51
1	Cu 327.397†	-66.2	-7.4	0.263707	ug/L	0.263707	ug/L	14:09:31
1	Mn 257.610†	198.3	27.1	-0.512237	ug/L	-0.512237	ug/L	14:09:51
1	Mo 202.031†	94.3	7.1	-0.406856	ug/L	-0.406856	ug/L	14:09:51
1	Ni 231.604†	383.1	23.3	1.43373	ug/L	1.43373	ug/L	14:09:51
1	Pb 220.353†	30.9	4.5	0.549018	ug/L	0.549018	ug/L	14:09:51
1	Sb 217.584†	-42.3	-3.5	-9.55222	ug/L	-9.55222	ug/L	14:09:51
1	Se 196.026†	-41.6	-8.4	-12.2000	ug/L	-12.2000	ug/L	14:09:51
1	Si 251.611†	574.4	370.1	17.3090	ug/L	17.3090	ug/L	14:09:51
1	Sn 189.927†	7.1	2.8	-7.13212	ug/L	-7.13212	ug/L	14:09:51
1	Tl 190.801†	-45.8	-9.6	-10.1282	ug/L	-10.1282	ug/L	14:09:51
1	V 292.395†	-1321.8	10.2	0.892322	ug/L	0.892322	ug/L	14:09:31
1	Zn 206.200†	-36.6	33.8	2.88464	ug/L	2.88464	ug/L	14:09:51
2	Sc 357.234	138858.1	138858.1	101.232	%			14:09:04
2	Al 396.153†	188.3	4.6	-13.1467	ug/L	-13.1467	ug/L	14:09:04
2	Ba 455.398†	13.1	24.7	0.495304	ug/L	0.495304	ug/L	14:09:04
2	Ca 315.887†	212.5	81.5	0.0465893	mg/L	0.0465893	mg/L	14:09:24
2	Fe 238.204†	77.1	41.0	16.4796	ug/L	16.4796	ug/L	14:09:24
2	K 766.490	39.9	-15.8	-0.0064430	mg/L	-0.0064430	mg/L	14:09:04
2	Li 670.784†	-97.9	-66.0	-0.745666	ug/L	-0.745666	ug/L	14:09:04
2	Mg 279.071†	12.0	-2.2	-0.0053693	mg/L	-0.0053693	mg/L	14:09:24
2	Na 589.592†	491.5	-11.9	0.0075492	mg/L	0.0075492	mg/L	14:09:04
2	Sr 407.771†	260.1	-39.8	1.31704	ug/L	1.31704	ug/L	14:09:04
2	Ti 334.940†	7.2	16.0	-1.46683	ug/L	-1.46683	ug/L	14:09:24
2	Y 360.076	222856.2	222856.2	99.9896	%			14:09:56
2	Ag 328.068†	169.6	-13.5	-0.510372	ug/L	-0.510372	ug/L	14:09:56
2	As 188.979†	-28.8	-2.4	-13.1484	ug/L	-13.1484	ug/L	14:10:16
2	B 249.677†	272.2	-34.3	-3.87924	ug/L	-3.87924	ug/L	14:10:16
2	Be 234.861†	-747.0	-15.6	-0.132941	ug/L	-0.132941	ug/L	14:10:16
2	Cd 214.437†	392.8	5.5	-0.750420	ug/L	-0.750420	ug/L	14:10:16
2	Ce 413.764†	877.6	68.8	2.08317	ug/L	2.08317	ug/L	14:09:56
2	Co 228.616†	-69.2	5.6	-0.151516	ug/L	-0.151516	ug/L	14:10:16
2	Cr 205.557†	-30.4	-6.4	-2.03373	ug/L	-2.03373	ug/L	14:10:16
2	Cu 327.397†	-56.5	3.1	0.593322	ug/L	0.593322	ug/L	14:09:56
2	Mn 257.610†	194.8	21.1	-0.561328	ug/L	-0.561328	ug/L	14:10:16
2	Mo 202.031†	85.3	-3.1	-1.93659	ug/L	-1.93659	ug/L	14:10:16
2	Ni 231.604†	366.7	2.2	-0.720094	ug/L	-0.720094	ug/L	14:10:16

2	Pb 220.353†	37.7	10.9	5.24973 ug/L	5.24973 ug/L	14:10:16
2	Sb 217.584†	-47.2	-7.9	-13.4520 ug/L	-13.4520 ug/L	14:10:16
2	Se 196.026†	-41.5	-7.7	-10.1589 ug/L	-10.1589 ug/L	14:10:16
2	Si 251.611†	558.1	346.6	14.7276 ug/L	14.7276 ug/L	14:10:16
2	Sn 189.927†	5.8	1.5	-7.93049 ug/L	-7.93049 ug/L	14:10:16
2	Tl 190.801†	-42.5	-5.7	-4.48657 ug/L	-4.48657 ug/L	14:10:16
2	V 292.395†	-1360.1	-11.8	0.296830 ug/L	0.296830 ug/L	14:09:56
2	Zn 206.200†	-39.2	31.7	2.56956 ug/L	2.56956 ug/L	14:10:16

Mean Data: 1000384-BLK1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	138712.2	101.126	%	0.1504				0.15%
Y 360.076	221501.3	99.3817	%	0.85972				0.87%
Ag 328.068†	2.0	-0.235862	ug/L	0.3882157	-0.235862	ug/L	0.3882157	164.59%
Al 396.153†	-7.7	-16.9551	ug/L	5.38584	-16.9551	ug/L	5.38584	31.77%
As 188.979†	1.3	-5.85552	ug/L	10.313714	-5.85552	ug/L	10.313714	176.14%
B 249.677†	-33.4	-3.82154	ug/L	0.081610	-3.82154	ug/L	0.081610	2.14%
Ba 455.398†	29.7	0.512178	ug/L	0.0238633	0.512178	ug/L	0.0238633	4.66%
Be 234.861†	-7.5	-0.0857240	ug/L	0.06677515	-0.0857240	ug/L	0.06677515	77.90%
Ca 315.887†	82.6	0.0473486	mg/L	0.00107380	0.0473486	mg/L	0.00107380	2.27%
Cd 214.437†	8.9	-0.575861	ug/L	0.2468644	-0.575861	ug/L	0.2468644	42.87%
Ce 413.764†	42.7	1.29197	ug/L	1.118924	1.29197	ug/L	1.118924	86.61%
Co 228.616†	1.6	-0.917644	ug/L	1.0834689	-0.917644	ug/L	1.0834689	118.07%
Cr 205.557†	-2.5	-1.61756	ug/L	0.588555	-1.61756	ug/L	0.588555	36.39%
Cu 327.397†	-2.2	0.428515	ug/L	0.2330731	0.428515	ug/L	0.2330731	54.39%
Fe 238.204†	42.7	17.2242	ug/L	1.05303	17.2242	ug/L	1.05303	6.11%
K 766.490	-14.2	-0.0043137	mg/L	0.00301138	-0.0043137	mg/L	0.00301138	69.81%
Li 670.784†	-36.9	-0.0035891	ug/L	1.04945540	-0.0035891	ug/L	1.04945540	>999.9%
Mg 279.071†	-2.9	-0.0069482	mg/L	0.00223285	-0.0069482	mg/L	0.00223285	32.14%
Mn 257.610†	24.1	-0.536783	ug/L	0.0347125	-0.536783	ug/L	0.0347125	6.47%
Mo 202.031†	2.0	-1.17172	ug/L	1.081684	-1.17172	ug/L	1.081684	92.32%
Na 589.592†	26.2	0.0129036	mg/L	0.00757224	0.0129036	mg/L	0.00757224	58.68%
Ni 231.604†	12.7	0.356817	ug/L	1.5229818	0.356817	ug/L	1.5229818	426.82%
Pb 220.353†	7.7	2.89937	ug/L	3.323905	2.89937	ug/L	3.323905	114.64%
Sb 217.584†	-5.7	-11.5021	ug/L	2.75755	-11.5021	ug/L	2.75755	23.97%
Se 196.026†	-8.1	-11.1795	ug/L	1.44324	-11.1795	ug/L	1.44324	12.91%
Si 251.611†	358.4	16.0183	ug/L	1.82532	16.0183	ug/L	1.82532	11.40%
Sn 189.927†	2.1	-7.53131	ug/L	0.564536	-7.53131	ug/L	0.564536	7.50%
Sr 407.771†	-47.9	1.30687	ug/L	0.014385	1.30687	ug/L	0.014385	1.10%
Ti 334.940†	8.4	-1.97872	ug/L	0.723916	-1.97872	ug/L	0.723916	36.59%
Tl 190.801†	-7.6	-7.30740	ug/L	3.989262	-7.30740	ug/L	3.989262	54.59%
V 292.395†	-0.8	0.594576	ug/L	0.4210763	0.594576	ug/L	0.4210763	70.82%
Zn 206.200†	32.8	2.72710	ug/L	0.222792	2.72710	ug/L	0.222792	8.17%

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Sequence No.: 28
Sample ID: 1000384-BS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 28
Date Collected: 1/19/2010 2:11:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000384-BS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	139756.5	139756.5	101.887	%			14:12:34
1	Al 396.153†	6315.0	6016.7	1842.28	ug/L	1842.28	ug/L	14:12:54
1	Ba 455.398†	112035.7	109972.6	368.541	ug/L	368.541	ug/L	14:12:34
1	Ca 315.887†	25476.9	24876.7	18.2330	mg/L	18.2330	mg/L	14:12:34
1	Fe 238.204†	912.3	860.3	369.543	ug/L	369.543	ug/L	14:12:54
1	K 766.490	13519.9	13464.2	18.2093	mg/L	18.2093	mg/L	14:12:34
1	Li 670.784†	14692.1	14450.8	370.086	ug/L	370.086	ug/L	14:12:34
1	Mg 279.071†	9091.2	8908.8	18.7897	mg/L	18.7897	mg/L	14:12:54
1	Na 589.592†	133442.9	130474.3	18.3539	mg/L	18.3539	mg/L	14:12:34
1	Sr 407.771†	298814.7	292984.0	369.026	ug/L	369.026	ug/L	14:12:34
1	Ti 334.940†	5681.8	5585.4	373.080	ug/L	373.080	ug/L	14:12:54
1	Y 360.076	221763.9	221763.9	99.4995	%			14:13:25
1	Ag 328.068†	20453.5	20373.3	367.035	ug/L	367.035	ug/L	14:13:25
1	As 188.979†	936.4	967.5	1853.36	ug/L	1853.36	ug/L	14:13:45

1	B 249.677†	6390.6	6116.2	360.150 ug/L	360.150 ug/L	14:13:45
1	Be 234.861†	5564.3	6323.8	36.9404 ug/L	36.9404 ug/L	14:13:45
1	Cd 214.437†	7510.0	7160.5	368.536 ug/L	368.536 ug/L	14:13:45
1	Ce 413.764†	813.6	8.8	0.195862 ug/L	0.195862 ug/L	14:13:25
1	Co 228.616†	1863.7	1948.0	369.639 ug/L	369.639 ug/L	14:13:45
1	Cr 205.557†	3462.5	3503.9	373.193 ug/L	373.193 ug/L	14:13:45
1	Cu 327.397†	11826.8	11945.9	375.956 ug/L	375.956 ug/L	14:13:25
1	Mn 257.610†	44990.9	45043.5	370.113 ug/L	370.113 ug/L	14:13:25
1	Mo 202.031†	2624.2	2549.1	381.505 ug/L	381.505 ug/L	14:13:45
1	Ni 231.604†	4016.4	3672.1	372.619 ug/L	372.619 ug/L	14:13:45
1	Pb 220.353†	535.0	510.9	369.742 ug/L	369.742 ug/L	14:13:45
1	Sb 217.584†	2073.8	2123.5	1845.26 ug/L	1845.26 ug/L	14:13:45
1	Se 196.026†	569.3	605.9	1808.18 ug/L	1808.18 ug/L	14:13:45
1	Si 251.611†	17314.1	17189.7	1841.44 ug/L	1841.44 ug/L	14:13:25
1	Sn 189.927†	3137.8	3149.3	1829.65 ug/L	1829.65 ug/L	14:13:45
1	Tl 190.801†	1251.2	1294.2	1856.60 ug/L	1856.60 ug/L	14:13:45
1	V 292.395†	12578.6	13990.2	372.439 ug/L	372.439 ug/L	14:13:25
1	Zn 206.200†	2462.1	2545.4	363.862 ug/L	363.862 ug/L	14:13:45
2	Sc 357.234	139791.8	139791.8	101.913 %		14:12:59
2	Al 396.153†	6332.1	6031.8	1847.02 ug/L	1847.02 ug/L	14:13:19
2	Ba 455.398†	113208.3	111095.4	372.300 ug/L	372.300 ug/L	14:12:59
2	Ca 315.887†	25780.8	25168.5	18.4470 mg/L	18.4470 mg/L	14:12:59
2	Fe 238.204†	911.9	859.7	369.252 ug/L	369.252 ug/L	14:13:19
2	K 766.490	13689.8	13634.1	18.4389 mg/L	18.4389 mg/L	14:12:59
2	Li 670.784†	14886.3	14637.7	374.861 ug/L	374.861 ug/L	14:12:59
2	Mg 279.071†	9118.3	8933.2	18.8412 mg/L	18.8412 mg/L	14:13:19
2	Na 589.592†	134536.4	131514.1	18.5001 mg/L	18.5001 mg/L	14:12:59
2	Sr 407.771†	301930.6	295967.3	372.770 ug/L	372.770 ug/L	14:12:59
2	Ti 334.940†	5695.9	5597.9	373.915 ug/L	373.915 ug/L	14:13:19
2	Y 360.076	221313.8	221313.8	99.2976 %		14:13:50
2	Ag 328.068†	20439.6	20401.1	367.543 ug/L	367.543 ug/L	14:13:50
2	As 188.979†	931.9	964.9	1848.35 ug/L	1848.35 ug/L	14:14:11
2	B 249.677†	6399.5	6138.2	361.455 ug/L	361.455 ug/L	14:14:11
2	Be 234.861†	5534.3	6304.9	36.8298 ug/L	36.8298 ug/L	14:14:11
2	Cd 214.437†	7491.7	7157.4	368.378 ug/L	368.378 ug/L	14:14:11
2	Ce 413.764†	845.7	42.8	1.22489 ug/L	1.22489 ug/L	14:13:50
2	Co 228.616†	1855.5	1943.5	368.787 ug/L	368.787 ug/L	14:14:11
2	Cr 205.557†	3443.6	3491.9	371.916 ug/L	371.916 ug/L	14:14:11
2	Cu 327.397†	11807.6	11950.7	376.107 ug/L	376.107 ug/L	14:13:50
2	Mn 257.610†	44941.7	45085.9	370.462 ug/L	370.462 ug/L	14:13:50
2	Mo 202.031†	2614.5	2544.6	380.839 ug/L	380.839 ug/L	14:14:11
2	Ni 231.604†	4017.8	3681.7	373.596 ug/L	373.596 ug/L	14:14:11
2	Pb 220.353†	533.8	510.8	369.656 ug/L	369.656 ug/L	14:14:11
2	Sb 217.584†	2075.9	2129.9	1850.76 ug/L	1850.76 ug/L	14:14:11
2	Se 196.026†	563.0	600.7	1792.87 ug/L	1792.87 ug/L	14:14:11
2	Si 251.611†	17293.2	17204.0	1842.97 ug/L	1842.97 ug/L	14:13:50
2	Sn 189.927†	3143.8	3161.7	1836.93 ug/L	1836.93 ug/L	14:14:11
2	Tl 190.801†	1253.0	1298.7	1862.94 ug/L	1862.94 ug/L	14:14:11
2	V 292.395†	12520.9	13957.9	371.580 ug/L	371.580 ug/L	14:13:50
2	Zn 206.200†	2466.8	2555.1	365.268 ug/L	365.268 ug/L	14:14:11

Mean Data: 1000384-BS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	139774.2	101.900	%	0.0182				0.02%
Y 360.076	221538.8	99.3986	%	0.14280				0.14%
Ag 328.068†	20387.2	367.289	ug/L	0.3591	367.289	ug/L	0.3591	0.10%
Al 396.153†	6024.3	1844.65	ug/L	3.357	1844.65	ug/L	3.357	0.18%
As 188.979†	966.2	1850.86	ug/L	3.542	1850.86	ug/L	3.542	0.19%
B 249.677†	6127.2	360.802	ug/L	0.9232	360.802	ug/L	0.9232	0.26%
Ba 455.398†	110534.0	370.421	ug/L	2.6577	370.421	ug/L	2.6577	0.72%
Be 234.861†	6314.3	36.8851	ug/L	0.07825	36.8851	ug/L	0.07825	0.21%
Ca 315.887†	25022.6	18.3400	mg/L	0.15134	18.3400	mg/L	0.15134	0.83%
Cd 214.437†	7158.9	368.457	ug/L	0.1118	368.457	ug/L	0.1118	0.03%
Ce 413.764†	25.8	0.710376	ug/L	0.7276332	0.710376	ug/L	0.7276332	102.43%
Co 228.616†	1945.8	369.213	ug/L	0.6031	369.213	ug/L	0.6031	0.16%
Cr 205.557†	3497.9	372.554	ug/L	0.9033	372.554	ug/L	0.9033	0.24%
Cu 327.397†	11948.3	376.031	ug/L	0.1067	376.031	ug/L	0.1067	0.03%
Fe 238.204†	860.0	369.398	ug/L	0.2055	369.398	ug/L	0.2055	0.06%
K 766.490	13549.2	18.3241	mg/L	0.16235	18.3241	mg/L	0.16235	0.89%

Li 670.784†	14544.3	372.474 ug/L	3.3768	372.474 ug/L	3.3768	0.91%
Mg 279.071†	8921.0	18.8154 mg/L	0.03640	18.8154 mg/L	0.03640	0.19%
Mn 257.610†	45064.7	370.288 ug/L	0.2468	370.288 ug/L	0.2468	0.07%
Mo 202.031†	2546.8	381.172 ug/L	0.4714	381.172 ug/L	0.4714	0.12%
Na 589.592†	130994.2	18.4270 mg/L	0.10338	18.4270 mg/L	0.10338	0.56%
Ni 231.604†	3676.9	373.107 ug/L	0.6908	373.107 ug/L	0.6908	0.19%
Pb 220.353†	510.8	369.699 ug/L	0.0610	369.699 ug/L	0.0610	0.02%
Sb 217.584†	2126.7	1848.01 ug/L	3.892	1848.01 ug/L	3.892	0.21%
Se 196.026†	603.3	1800.53 ug/L	10.825	1800.53 ug/L	10.825	0.60%
Si 251.611†	17196.9	1842.21 ug/L	1.086	1842.21 ug/L	1.086	0.06%
Sn 189.927†	3155.5	1833.29 ug/L	5.152	1833.29 ug/L	5.152	0.28%
Sr 407.771†	294475.7	370.898 ug/L	2.6472	370.898 ug/L	2.6472	0.71%
Ti 334.940†	5591.6	373.497 ug/L	0.5900	373.497 ug/L	0.5900	0.16%
Tl 190.801†	1296.5	1859.77 ug/L	4.487	1859.77 ug/L	4.487	0.24%
V 292.395†	13974.1	372.010 ug/L	0.6074	372.010 ug/L	0.6074	0.16%
Zn 206.200†	2550.2	364.565 ug/L	0.9940	364.565 ug/L	0.9940	0.27%

Sequence No.: 29
Sample ID: 1001142-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 29
Date Collected: 1/19/2010 2:15:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001142-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	134469.3	134469.3	98.0324	%			14:16:33
1	Al 396.153†	47.6	-132.9	-24.0810	ug/L	-24.0810	ug/L	14:16:53
1	Ba 455.398†	32938.7	33611.5	112.926	ug/L	112.926	ug/L	14:16:33
1	Ca 315.887†	187364.8	190997.0	140.076	mg/L	140.076	mg/L	14:16:33
1	Fe 238.204†	15459.2	15734.3	6802.13	ug/L	6802.13	ug/L	14:16:33
1	K 766.490	2499.2	2443.6	3.31693	mg/L	3.31693	mg/L	14:16:53
1	Li 670.784†	123.4	156.7	4.94211	ug/L	4.94211	ug/L	14:16:53
1	Mg 279.071†	11657.6	11877.6	25.0515	mg/L	25.0515	mg/L	14:16:53
1	Na 589.592†	324038.0	330044.6	46.4134	mg/L	46.4134	mg/L	14:16:33
1	Sr 407.771†	253524.8	258316.5	325.523	ug/L	325.523	ug/L	14:16:33
1	Ti 334.940†	-22.7	-14.3	-3.50740	ug/L	-3.50740	ug/L	14:16:53
1	Y 360.076	215313.8	215313.8	96.6056	%			14:17:24
1	Ag 328.068†	89.0	-90.9	0.576987	ug/L	0.576987	ug/L	14:17:24
1	As 188.979†	-18.4	7.2	5.53535	ug/L	5.53535	ug/L	14:17:44
1	B 249.677†	1251.6	989.0	57.6229	ug/L	57.6229	ug/L	14:17:44
1	Be 234.861†	-313.9	406.5	0.0632020	ug/L	0.0632020	ug/L	14:17:24
1	Cd 214.437†	411.0	38.1	-0.312598	ug/L	-0.312598	ug/L	14:17:44
1	Ce 413.764†	845.9	66.8	2.02151	ug/L	2.02151	ug/L	14:17:24
1	Co 228.616†	-69.9	2.5	-0.986238	ug/L	-0.986238	ug/L	14:17:44
1	Cr 205.557†	-30.2	-7.2	-1.70979	ug/L	-1.70979	ug/L	14:17:44
1	Cu 327.397†	-81.1	-24.4	-0.268803	ug/L	-0.268803	ug/L	14:17:24
1	Mn 257.610†	194858.2	201531.3	1658.69	ug/L	1658.69	ug/L	14:17:24
1	Mo 202.031†	177.8	95.6	12.8940	ug/L	12.8940	ug/L	14:17:44
1	Ni 231.604†	405.1	54.7	4.65564	ug/L	4.65564	ug/L	14:17:44
1	Pb 220.353†	37.0	11.5	5.69442	ug/L	5.69442	ug/L	14:17:44
1	Sb 217.584†	-92.5	-56.4	-35.3166	ug/L	-35.3166	ug/L	14:17:44
1	Se 196.026†	-43.5	-11.3	-12.6555	ug/L	-12.6555	ug/L	14:17:44
1	Si 251.611†	52627.7	54265.4	5895.36	ug/L	5895.36	ug/L	14:17:24
1	Sn 189.927†	-81.8	-89.0	-30.0415	ug/L	-30.0415	ug/L	14:17:44
1	Tl 190.801†	-45.4	-10.2	-10.9542	ug/L	-10.9542	ug/L	14:17:44
1	V 292.395†	-1334.3	-32.8	-1.33718	ug/L	-1.33718	ug/L	14:17:44
1	Zn 206.200†	117.1	192.1	24.6178	ug/L	24.6178	ug/L	14:17:44
2	Sc 357.234	136295.2	136295.2	99.3635	%			14:16:58
2	Al 396.153†	45.5	-135.6	-25.1471	ug/L	-25.1471	ug/L	14:17:18
2	Ba 455.398†	33075.8	33299.4	111.881	ug/L	111.881	ug/L	14:16:58
2	Ca 315.887†	188413.7	189492.2	138.973	mg/L	138.973	mg/L	14:16:58
2	Fe 238.204†	15501.2	15565.4	6729.07	ug/L	6729.07	ug/L	14:16:58
2	K 766.490	2537.2	2481.6	3.36827	mg/L	3.36827	mg/L	14:17:18
2	Li 670.784†	144.6	176.3	5.44161	ug/L	5.44161	ug/L	14:17:18
2	Mg 279.071†	11715.5	11776.5	24.8384	mg/L	24.8384	mg/L	14:17:18
2	Na 589.592†	325018.1	326602.7	45.9294	mg/L	45.9294	mg/L	14:16:58
2	Sr 407.771†	254585.0	255919.1	322.514	ug/L	322.514	ug/L	14:16:58
2	Ti 334.940†	-36.6	-28.0	-4.42581	ug/L	-4.42581	ug/L	14:17:18

2	Y 360.076	215941.6	215941.6	96.8872 %			14:17:49
2	Ag 328.068†	89.0	-91.3	0.542885 ug/L	0.542885 ug/L		14:17:49
2	As 188.979†	-32.1	-6.8	-21.5669 ug/L	-21.5669 ug/L		14:18:09
2	B 249.677†	1223.6	956.3	55.6784 ug/L	55.6784 ug/L		14:18:09
2	Be 234.861†	-343.5	376.9	-0.0860402 ug/L	-0.0860402 ug/L		14:17:49
2	Cd 214.437†	420.8	47.0	0.160742 ug/L	0.160742 ug/L		14:18:09
2	Ce 413.764†	811.4	28.6	0.867056 ug/L	0.867056 ug/L		14:17:49
2	Co 228.616†	-73.8	-1.3	-1.70764 ug/L	-1.70764 ug/L		14:18:09
2	Cr 205.557†	-36.0	-13.1	-2.34527 ug/L	-2.34527 ug/L		14:18:09
2	Cu 327.397†	-76.6	-19.5	-0.117424 ug/L	-0.117424 ug/L		14:17:49
2	Mn 257.610†	194797.4	200882.1	1653.34 ug/L	1653.34 ug/L		14:17:49
2	Mo 202.031†	168.2	85.3	11.3353 ug/L	11.3353 ug/L		14:18:09
2	Ni 231.604†	391.8	39.9	3.14252 ug/L	3.14252 ug/L		14:18:09
2	Pb 220.353†	29.2	3.3	-0.295332 ug/L	-0.295332 ug/L		14:18:09
2	Sb 217.584†	-93.1	-56.8	-35.8209 ug/L	-35.8209 ug/L		14:18:09
2	Se 196.026†	-51.3	-19.2	-36.2776 ug/L	-36.2776 ug/L		14:18:09
2	Si 251.611†	52542.5	54019.1	5868.51 ug/L	5868.51 ug/L		14:17:49
2	Sn 189.927†	-84.5	-91.5	-31.7599 ug/L	-31.7599 ug/L		14:18:09
2	Tl 190.801†	-41.6	-6.1	-5.13186 ug/L	-5.13186 ug/L		14:18:09
2	V 292.395†	-1353.2	-48.3	-1.74832 ug/L	-1.74832 ug/L		14:18:09
2	Zn 206.200†	106.9	181.3	23.0663 ug/L	23.0663 ug/L		14:18:09

Mean Data: 1001142-01

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	135382.3	98.6979	%	0.94126				0.95%
Y 360.076	215627.7	96.7464	%	0.19917				0.21%
Ag 328.068†	-91.1	0.559936	ug/L	0.0241141	0.559936	ug/L	0.0241141	4.31%
Al 396.153†	-134.2	-24.6141	ug/L	0.75378	-24.6141	ug/L	0.75378	3.06%
As 188.979†	0.2	-8.01580	ug/L	19.164217	-8.01580	ug/L	19.164217	239.08%
B 249.677†	972.7	56.6507	ug/L	1.37501	56.6507	ug/L	1.37501	2.43%
Ba 455.398†	33455.5	112.404	ug/L	0.7389	112.404	ug/L	0.7389	0.66%
Be 234.861†	391.7	-0.0114191	ug/L	0.10553023	-0.0114191	ug/L	0.10553023	924.16%
Ca 315.887†	190244.6	139.525	mg/L	0.7805	139.525	mg/L	0.7805	0.56%
Cd 214.437†	42.5	-0.0759280	ug/L	0.33470124	-0.0759280	ug/L	0.33470124	440.81%
Ce 413.764†	47.7	1.44428	ug/L	0.816325	1.44428	ug/L	0.816325	56.52%
Co 228.616†	0.6	-1.34694	ug/L	0.510109	-1.34694	ug/L	0.510109	37.87%
Cr 205.557†	-10.2	-2.02753	ug/L	0.449357	-2.02753	ug/L	0.449357	22.16%
Cu 327.397†	-21.9	-0.193113	ug/L	0.1070410	-0.193113	ug/L	0.1070410	55.43%
Fe 238.204†	15649.9	6765.60	ug/L	51.661	6765.60	ug/L	51.661	0.76%
K 766.490	2462.6	3.34260	mg/L	0.036299	3.34260	mg/L	0.036299	1.09%
Li 670.784†	166.5	5.19186	ug/L	0.353201	5.19186	ug/L	0.353201	6.80%
Mg 279.071†	11827.0	24.9450	mg/L	0.15070	24.9450	mg/L	0.15070	0.60%
Mn 257.610†	201206.7	1656.02	ug/L	3.781	1656.02	ug/L	3.781	0.23%
Mo 202.031†	90.5	12.1146	ug/L	1.10214	12.1146	ug/L	1.10214	9.10%
Na 589.592†	328323.7	46.1714	mg/L	0.34219	46.1714	mg/L	0.34219	0.74%
Ni 231.604†	47.3	3.89908	ug/L	1.069943	3.89908	ug/L	1.069943	27.44%
Pb 220.353†	7.4	2.69955	ug/L	4.235396	2.69955	ug/L	4.235396	156.89%
Sb 217.584†	-56.6	-35.5687	ug/L	0.35656	-35.5687	ug/L	0.35656	1.00%
Se 196.026†	-15.3	-24.4666	ug/L	16.70333	-24.4666	ug/L	16.70333	68.27%
Si 251.611†	54142.3	5881.94	ug/L	18.987	5881.94	ug/L	18.987	0.32%
Sn 189.927†	-90.2	-30.9007	ug/L	1.21510	-30.9007	ug/L	1.21510	3.93%
Sr 407.771†	257117.8	324.018	ug/L	2.1274	324.018	ug/L	2.1274	0.66%
Ti 334.940†	-21.2	-3.96661	ug/L	0.649413	-3.96661	ug/L	0.649413	16.37%
Tl 190.801†	-8.1	-8.04305	ug/L	4.117051	-8.04305	ug/L	4.117051	51.19%
V 292.395†	-40.5	-1.54275	ug/L	0.290719	-1.54275	ug/L	0.290719	18.84%
Zn 206.200†	186.7	23.8420	ug/L	1.09703	23.8420	ug/L	1.09703	4.60%

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Sequence No.: 30
Sample ID: 1001177-07
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 30
Date Collected: 1/19/2010 2:19:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001177-07

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	137634.2	137634.2	100.340	%			14:20:27

1	Al 396.153†	127.5	-54.3	-12.8771 ug/L	-12.8771 ug/L	14:20:27
1	Ba 455.398†	21608.5	21547.1	72.5407 ug/L	72.5407 ug/L	14:20:27
1	Ca 315.887†	112933.2	112422.5	82.4448 mg/L	82.4448 mg/L	14:20:27
1	Fe 238.204†	170.0	134.3	55.4107 ug/L	55.4107 ug/L	14:20:47
1	K 766.490	2225.9	2170.2	2.94755 mg/L	2.94755 mg/L	14:20:27
1	Li 670.784†	330.3	359.9	10.1336 ug/L	10.1336 ug/L	14:20:27
1	Mg 279.071†	10146.7	10098.3	21.2987 mg/L	21.2987 mg/L	14:20:27
1	Na 589.592†	202517.1	201334.1	28.3167 mg/L	28.3167 mg/L	14:20:27
1	Sr 407.771†	132772.2	132025.9	167.043 ug/L	167.043 ug/L	14:20:27
1	Ti 334.940†	-10.3	-1.4	-2.63918 ug/L	-2.63918 ug/L	14:20:47
1	Y 360.076	219041.2	219041.2	98.2780 %		14:21:18
1	Ag 328.068†	150.1	-30.4	0.124318 ug/L	0.124318 ug/L	14:21:38
1	As 188.979†	-33.7	-8.0	-23.8894 ug/L	-23.8894 ug/L	14:21:38
1	B 249.677†	1060.0	772.0	43.9842 ug/L	43.9842 ug/L	14:21:38
1	Be 234.861†	-729.9	-11.2	-0.120319 ug/L	-0.120319 ug/L	14:21:38
1	Cd 214.437†	402.4	22.1	0.0965858 ug/L	0.0965858 ug/L	14:21:38
1	Ce 413.764†	820.3	25.8	0.782045 ug/L	0.782045 ug/L	14:21:18
1	Co 228.616†	-72.3	1.3	-0.978595 ug/L	-0.978595 ug/L	14:21:38
1	Cr 205.557†	-24.1	-0.5	-1.40847 ug/L	-1.40847 ug/L	14:21:38
1	Cu 327.397†	-68.6	-10.2	0.175147 ug/L	0.175147 ug/L	14:21:18
1	Mn 257.610†	61169.4	62067.5	510.257 ug/L	510.257 ug/L	14:21:18
1	Mo 202.031†	169.2	83.8	11.1131 ug/L	11.1131 ug/L	14:21:38
1	Ni 231.604†	391.6	33.9	2.53810 ug/L	2.53810 ug/L	14:21:38
1	Pb 220.353†	31.1	4.8	0.803455 ug/L	0.803455 ug/L	14:21:38
1	Sb 217.584†	-50.6	-12.1	-16.9790 ug/L	-16.9790 ug/L	14:21:38
1	Se 196.026†	-46.4	-13.5	-27.2469 ug/L	-27.2469 ug/L	14:21:38
1	Si 251.611†	54231.0	54969.8	5970.41 ug/L	5970.41 ug/L	14:21:18
1	Sn 189.927†	-72.5	-78.1	-36.3050 ug/L	-36.3050 ug/L	14:21:38
1	Tl 190.801†	-34.2	2.0	6.43952 ug/L	6.43952 ug/L	14:21:38
1	V 292.395†	-1387.8	-63.7	-0.937551 ug/L	-0.937551 ug/L	14:21:38
1	Zn 206.200†	-46.3	23.8	0.878339 ug/L	0.878339 ug/L	14:21:38
2	Sc 357.234	137821.8	137821.8	100.476 %		14:20:52
2	Al 396.153†	102.2	-79.7	-20.5642 ug/L	-20.5642 ug/L	14:20:52
2	Ba 455.398†	21829.6	21737.8	73.1793 ug/L	73.1793 ug/L	14:20:52
2	Ca 315.887†	113907.2	113238.7	83.0435 mg/L	83.0435 mg/L	14:20:52
2	Fe 238.204†	170.7	134.8	55.6200 ug/L	55.6200 ug/L	14:21:12
2	K 766.490	2226.9	2171.2	2.94893 mg/L	2.94893 mg/L	14:20:52
2	Li 670.784†	317.2	346.5	9.78964 ug/L	9.78964 ug/L	14:20:52
2	Mg 279.071†	10265.4	10202.6	21.5187 mg/L	21.5187 mg/L	14:20:52
2	Na 589.592†	203983.0	202518.4	28.4832 mg/L	28.4832 mg/L	14:20:52
2	Sr 407.771†	133850.9	132919.5	168.165 ug/L	168.165 ug/L	14:20:52
2	Ti 334.940†	-17.1	-8.2	-3.09310 ug/L	-3.09310 ug/L	14:21:12
2	Y 360.076	218824.0	218824.0	98.1805 %		14:21:43
2	Ag 328.068†	162.5	-17.6	0.372129 ug/L	0.372129 ug/L	14:22:03
2	As 188.979†	-23.0	2.9	-2.83820 ug/L	-2.83820 ug/L	14:22:03
2	B 249.677†	1065.4	778.7	44.3774 ug/L	44.3774 ug/L	14:22:03
2	Be 234.861†	-726.1	-8.1	-0.102422 ug/L	-0.102422 ug/L	14:22:03
2	Cd 214.437†	397.2	17.3	-0.151863 ug/L	-0.151863 ug/L	14:22:03
2	Ce 413.764†	892.6	100.3	3.03494 ug/L	3.03494 ug/L	14:21:43
2	Co 228.616†	-70.8	2.8	-0.689665 ug/L	-0.689665 ug/L	14:22:03
2	Cr 205.557†	-21.3	2.3	-1.10287 ug/L	-1.10287 ug/L	14:22:03
2	Cu 327.397†	-59.7	-1.2	0.457177 ug/L	0.457177 ug/L	14:21:43
2	Mn 257.610†	61444.9	62410.0	513.076 ug/L	513.076 ug/L	14:21:43
2	Mo 202.031†	170.9	85.7	11.4040 ug/L	11.4040 ug/L	14:22:03
2	Ni 231.604†	393.8	36.5	2.80273 ug/L	2.80273 ug/L	14:22:03
2	Pb 220.353†	40.7	14.7	7.98983 ug/L	7.98983 ug/L	14:22:03
2	Sb 217.584†	-58.8	-20.6	-24.3526 ug/L	-24.3526 ug/L	14:22:03
2	Se 196.026†	-48.8	-16.0	-34.4231 ug/L	-34.4231 ug/L	14:22:03
2	Si 251.611†	54538.8	55338.0	6010.57 ug/L	6010.57 ug/L	14:21:43
2	Sn 189.927†	-67.9	-73.5	-33.5053 ug/L	-33.5053 ug/L	14:22:03
2	Tl 190.801†	-47.8	-11.9	-13.4081 ug/L	-13.4081 ug/L	14:22:03
2	V 292.395†	-1366.9	-43.8	-0.411185 ug/L	-0.411185 ug/L	14:22:03
2	Zn 206.200†	-46.7	23.4	0.809333 ug/L	0.809333 ug/L	14:22:03

Mean Data: 1001177-07

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	137728.0	100.408	%	0.0967				0.10%
Y 360.076	218932.6	98.2292	%	0.06891				0.07%
Ag 328.068†	-24.0	0.248223	ug/L	0.1752291	0.248223	ug/L	0.1752291	70.59%

Al 396.153†	-67.0	-16.7206	ug/L	5.43559	-16.7206	ug/L	5.43559 32.51%
As 188.979†	-2.6	-13.3638	ug/L	14.88546	-13.3638	ug/L	14.88546 111.39%
B 249.677†	775.3	44.1808	ug/L	0.27805	44.1808	ug/L	0.27805 0.63%
Ba 455.398†	21642.5	72.8600	ug/L	0.45154	72.8600	ug/L	0.45154 0.62%
Be 234.861†	-9.7	-0.111370	ug/L	0.0126549	-0.111370	ug/L	0.0126549 11.36%
Ca 315.887†	112830.6	82.7441	mg/L	0.42332	82.7441	mg/L	0.42332 0.51%
Cd 214.437†	19.7	-0.0276386	ug/L	0.17567990	-0.0276386	ug/L	0.17567990 635.63%
Ce 413.764†	63.0	1.90849	ug/L	1.593039	1.90849	ug/L	1.593039 83.47%
Co 228.616†	2.0	-0.834130	ug/L	0.2043043	-0.834130	ug/L	0.2043043 24.49%
Cr 205.557†	0.9	-1.25567	ug/L	0.216092	-1.25567	ug/L	0.216092 17.21%
Cu 327.397†	-5.7	0.316162	ug/L	0.1994256	0.316162	ug/L	0.1994256 63.08%
Fe 238.204†	134.5	55.5154	ug/L	0.14802	55.5154	ug/L	0.14802 0.27%
K 766.490	2170.7	2.94824	mg/L	0.000974	2.94824	mg/L	0.000974 0.03%
Li 670.784†	353.2	9.96163	ug/L	0.243228	9.96163	ug/L	0.243228 2.44%
Mg 279.071†	10150.5	21.4087	mg/L	0.15556	21.4087	mg/L	0.15556 0.73%
Mn 257.610†	62238.8	511.667	ug/L	1.9936	511.667	ug/L	1.9936 0.39%
Mo 202.031†	84.8	11.2585	ug/L	0.20574	11.2585	ug/L	0.20574 1.83%
Na 589.592†	201926.2	28.4000	mg/L	0.11774	28.4000	mg/L	0.11774 0.41%
Ni 231.604†	35.2	2.67041	ug/L	0.187117	2.67041	ug/L	0.187117 7.01%
Pb 220.353†	9.7	4.39664	ug/L	5.081536	4.39664	ug/L	5.081536 115.58%
Sb 217.584†	-16.4	-20.6658	ug/L	5.21394	-20.6658	ug/L	5.21394 25.23%
Se 196.026†	-14.7	-30.8350	ug/L	5.07435	-30.8350	ug/L	5.07435 16.46%
Si 251.611†	55153.9	5990.49	ug/L	28.401	5990.49	ug/L	28.401 0.47%
Sn 189.927†	-75.8	-34.9052	ug/L	1.97968	-34.9052	ug/L	1.97968 5.67%
Sr 407.771†	132472.7	167.604	ug/L	0.7929	167.604	ug/L	0.7929 0.47%
Ti 334.940†	-4.8	-2.86614	ug/L	0.320967	-2.86614	ug/L	0.320967 11.20%
Tl 190.801†	-5.0	-3.48427	ug/L	14.034357	-3.48427	ug/L	14.034357 402.79%
V 292.395†	-53.8	-0.674368	ug/L	0.3721972	-0.674368	ug/L	0.3721972 55.19%
Zn 206.200†	23.6	0.843836	ug/L	0.0487942	0.843836	ug/L	0.0487942 5.78%

Sequence No.: 31
Sample ID: 1000384-MS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 31
Date Collected: 1/19/2010 2:23:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000384-MS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	136816.2	136816.2	99.7433	%			14:24:24
1	Al 396.153†	6565.0	6400.5	1980.22	ug/L	1980.22	ug/L	14:24:44
1	Ba 455.398†	139132.4	139502.1	467.391	ug/L	467.391	ug/L	14:24:24
1	Ca 315.887†	142720.9	142959.7	104.843	mg/L	104.843	mg/L	14:24:24
1	Fe 238.204†	1060.2	1027.8	440.448	ug/L	440.448	ug/L	14:24:44
1	K 766.490	16513.3	16457.6	22.2544	mg/L	22.2544	mg/L	14:24:24
1	Li 670.784†	15851.2	15922.8	407.688	ug/L	407.688	ug/L	14:24:24
1	Mg 279.071†	19710.7	19747.4	41.6507	mg/L	41.6507	mg/L	14:24:24
1	Na 589.592†	346668.7	347063.4	48.8062	mg/L	48.8062	mg/L	14:24:24
1	Sr 407.771†	449167.1	450026.1	566.095	ug/L	566.095	ug/L	14:24:24
1	Ti 334.940†	5844.1	5867.9	392.079	ug/L	392.079	ug/L	14:24:44
1	Y 360.076	216361.4	216361.4	97.0756	%			14:25:15
1	Ag 328.068†	21233.4	21689.9	391.757	ug/L	391.757	ug/L	14:25:15
1	As 188.979†	977.7	1033.4	1980.43	ug/L	1980.43	ug/L	14:25:35
1	B 249.677†	7440.6	7358.3	433.831	ug/L	433.831	ug/L	14:25:15
1	Be 234.861†	5808.1	6714.5	39.2086	ug/L	39.2086	ug/L	14:25:35
1	Cd 214.437†	7586.0	7427.2	382.291	ug/L	382.291	ug/L	14:25:35
1	Ce 413.764†	814.1	29.8	0.827217	ug/L	0.827217	ug/L	14:25:15
1	Co 228.616†	1887.2	2018.9	383.136	ug/L	383.136	ug/L	14:25:35
1	Cr 205.557†	3513.7	3643.5	388.126	ug/L	388.126	ug/L	14:25:35
1	Cu 327.397†	12426.6	12860.5	404.696	ug/L	404.696	ug/L	14:25:15
1	Mn 257.610†	107893.8	110970.4	912.880	ug/L	912.880	ug/L	14:25:15
1	Mo 202.031†	2702.5	2695.5	403.515	ug/L	403.515	ug/L	14:25:35
1	Ni 231.604†	4051.0	3808.5	386.513	ug/L	386.513	ug/L	14:25:35
1	Pb 220.353†	548.8	538.5	389.834	ug/L	389.834	ug/L	14:25:35
1	Sb 217.584†	2120.4	2223.7	1932.73	ug/L	1932.73	ug/L	14:25:35
1	Se 196.026†	573.7	624.7	1863.91	ug/L	1863.91	ug/L	14:25:35
1	Si 251.611†	72851.7	74834.8	8126.09	ug/L	8126.09	ug/L	14:25:15
1	Sn 189.927†	3134.5	3224.5	1892.41	ug/L	1892.41	ug/L	14:25:35
1	Tl 190.801†	1286.8	1362.3	1954.07	ug/L	1954.07	ug/L	14:25:35

1	V 292.395†	12924.5	14662.3	390.329 ug/L	390.329 ug/L	14:25:15
1	Zn 206.200†	2519.7	2666.5	380.689 ug/L	380.689 ug/L	14:25:35
2	Sc 357.234	135979.1	135979.1	99.1330 %		14:24:49
2	Al 396.153†	6572.0	6448.1	1994.95 ug/L	1994.95 ug/L	14:25:09
2	Ba 455.398†	139524.0	140755.9	471.587 ug/L	471.587 ug/L	14:24:49
2	Ca 315.887†	142699.5	143819.1	105.473 mg/L	105.473 mg/L	14:24:49
2	Fe 238.204†	1066.3	1040.5	445.918 ug/L	445.918 ug/L	14:25:09
2	K 766.490	16483.9	16428.2	22.2147 mg/L	22.2147 mg/L	14:24:49
2	Li 670.784†	15867.9	16037.5	410.618 ug/L	410.618 ug/L	14:24:49
2	Mg 279.071†	19784.5	19943.5	42.0644 mg/L	42.0644 mg/L	14:24:49
2	Na 589.592†	347260.4	349800.0	49.1910 mg/L	49.1910 mg/L	14:24:49
2	Sr 407.771†	449365.6	452998.7	569.825 ug/L	569.825 ug/L	14:24:49
2	Ti 334.940†	5853.4	5913.5	395.141 ug/L	395.141 ug/L	14:25:09
2	Y 360.076	215999.2	215999.2	96.9131 %		14:25:41
2	Ag 328.068†	21139.3	21629.5	390.678 ug/L	390.678 ug/L	14:25:41
2	As 188.979†	970.5	1027.7	1969.28 ug/L	1969.28 ug/L	14:26:01
2	B 249.677†	7381.9	7310.5	430.991 ug/L	430.991 ug/L	14:25:41
2	Be 234.861†	5844.4	6762.0	39.4855 ug/L	39.4855 ug/L	14:26:01
2	Cd 214.437†	7623.0	7478.5	384.933 ug/L	384.933 ug/L	14:26:01
2	Ce 413.764†	827.3	44.7	1.27880 ug/L	1.27880 ug/L	14:25:41
2	Co 228.616†	1899.2	2034.6	386.113 ug/L	386.113 ug/L	14:26:01
2	Cr 205.557†	3540.0	3676.8	391.682 ug/L	391.682 ug/L	14:26:01
2	Cu 327.397†	12375.6	12829.4	403.719 ug/L	403.719 ug/L	14:25:41
2	Mn 257.610†	107838.6	111099.9	913.946 ug/L	913.946 ug/L	14:25:41
2	Mo 202.031†	2741.7	2740.6	410.291 ug/L	410.291 ug/L	14:26:01
2	Ni 231.604†	4086.3	3851.9	390.933 ug/L	390.933 ug/L	14:26:01
2	Pb 220.353†	562.0	553.1	400.506 ug/L	400.506 ug/L	14:26:01
2	Sb 217.584†	2120.1	2227.0	1935.66 ug/L	1935.66 ug/L	14:26:01
2	Se 196.026†	579.1	631.2	1883.31 ug/L	1883.31 ug/L	14:26:01
2	Si 251.611†	72662.0	74765.0	8118.39 ug/L	8118.39 ug/L	14:25:41
2	Sn 189.927†	3160.3	3256.6	1911.24 ug/L	1911.24 ug/L	14:26:01
2	Tl 190.801†	1296.1	1374.2	1971.11 ug/L	1971.11 ug/L	14:26:01
2	V 292.395†	12845.4	14603.0	388.837 ug/L	388.837 ug/L	14:25:41
2	Zn 206.200†	2523.1	2674.4	381.819 ug/L	381.819 ug/L	14:26:01

Mean Data: 1000384-MS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	136397.7	99.4382	%	0.43155				0.43%
Y 360.076	216180.3	96.9943	%	0.11490				0.12%
Ag 328.068†	21659.7	391.217	ug/L	0.7630	391.217	ug/L	0.7630	0.20%
Al 396.153†	6424.3	1987.58	ug/L	10.416	1987.58	ug/L	10.416	0.52%
As 188.979†	1030.6	1974.85	ug/L	7.883	1974.85	ug/L	7.883	0.40%
B 249.677†	7334.4	432.411	ug/L	2.0079	432.411	ug/L	2.0079	0.46%
Ba 455.398†	140129.0	469.489	ug/L	2.9676	469.489	ug/L	2.9676	0.63%
Be 234.861†	6738.3	39.3470	ug/L	0.19580	39.3470	ug/L	0.19580	0.50%
Ca 315.887†	143389.4	105.158	mg/L	0.4457	105.158	mg/L	0.4457	0.42%
Cd 214.437†	7452.8	383.612	ug/L	1.8681	383.612	ug/L	1.8681	0.49%
Ce 413.764†	37.2	1.05301	ug/L	0.319316	1.05301	ug/L	0.319316	30.32%
Co 228.616†	2026.8	384.624	ug/L	2.1056	384.624	ug/L	2.1056	0.55%
Cr 205.557†	3660.1	389.904	ug/L	2.5146	389.904	ug/L	2.5146	0.64%
Cu 327.397†	12844.9	404.207	ug/L	0.6911	404.207	ug/L	0.6911	0.17%
Fe 238.204†	1034.1	443.183	ug/L	3.8678	443.183	ug/L	3.8678	0.87%
K 766.490	16442.9	22.2346	mg/L	0.02807	22.2346	mg/L	0.02807	0.13%
Li 670.784†	15980.1	409.153	ug/L	2.0720	409.153	ug/L	2.0720	0.51%
Mg 279.071†	19845.5	41.8576	mg/L	0.29249	41.8576	mg/L	0.29249	0.70%
Mn 257.610†	111035.1	913.413	ug/L	0.7539	913.413	ug/L	0.7539	0.08%
Mo 202.031†	2718.1	406.903	ug/L	4.7917	406.903	ug/L	4.7917	1.18%
Na 589.592†	348431.7	48.9986	mg/L	0.27207	48.9986	mg/L	0.27207	0.56%
Ni 231.604†	3830.2	388.723	ug/L	3.1253	388.723	ug/L	3.1253	0.80%
Pb 220.353†	545.8	395.170	ug/L	7.5465	395.170	ug/L	7.5465	1.91%
Sb 217.584†	2225.3	1934.20	ug/L	2.073	1934.20	ug/L	2.073	0.11%
Se 196.026†	628.0	1873.61	ug/L	13.716	1873.61	ug/L	13.716	0.73%
Si 251.611†	74799.9	8122.24	ug/L	5.440	8122.24	ug/L	5.440	0.07%
Sn 189.927†	3240.6	1901.82	ug/L	13.317	1901.82	ug/L	13.317	0.70%
Sr 407.771†	451512.4	567.960	ug/L	2.6377	567.960	ug/L	2.6377	0.46%
Ti 334.940†	5890.7	393.610	ug/L	2.1654	393.610	ug/L	2.1654	0.55%
Tl 190.801†	1368.3	1962.59	ug/L	12.048	1962.59	ug/L	12.048	0.61%
V 292.395†	14632.6	389.583	ug/L	1.0554	389.583	ug/L	1.0554	0.27%
Zn 206.200†	2670.5	381.254	ug/L	0.7993	381.254	ug/L	0.7993	0.21%

Sequence No.: 32
Sample ID: 1000384-MSD1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 32
Date Collected: 1/19/2010 2:27:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000384-MSD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	138260.7	138260.7	100.796	%			14:28:22
1	Al 396.153†	6466.7	6234.2	1927.94	ug/L	1927.94	ug/L	14:28:43
1	Ba 455.398†	136100.8	135037.2	452.444	ug/L	452.444	ug/L	14:28:22
1	Ca 315.887†	138756.3	137531.6	100.861	mg/L	100.861	mg/L	14:28:22
1	Fe 238.204†	1048.8	1005.4	430.880	ug/L	430.880	ug/L	14:28:43
1	K 766.490	16155.1	16099.4	21.7703	mg/L	21.7703	mg/L	14:28:22
1	Li 670.784†	15486.7	15395.1	394.209	ug/L	394.209	ug/L	14:28:22
1	Mg 279.071†	19234.1	19068.1	40.2180	mg/L	40.2180	mg/L	14:28:22
1	Na 589.592†	340148.1	336963.4	47.3862	mg/L	47.3862	mg/L	14:28:22
1	Sr 407.771†	438629.7	434867.4	547.072	ug/L	547.072	ug/L	14:28:22
1	Ti 334.940†	5891.3	5853.6	391.114	ug/L	391.114	ug/L	14:28:43
1	Y 360.076	220996.5	220996.5	99.1552	%			14:29:14
1	Ag 328.068†	21112.1	21108.8	381.236	ug/L	381.236	ug/L	14:29:14
1	As 188.979†	962.6	997.2	1910.51	ug/L	1910.51	ug/L	14:29:34
1	B 249.677†	7224.8	6979.8	411.396	ug/L	411.396	ug/L	14:29:14
1	Be 234.861†	5753.4	6533.9	38.1522	ug/L	38.1522	ug/L	14:29:34
1	Cd 214.437†	7501.1	7177.7	369.411	ug/L	369.411	ug/L	14:29:34
1	Ce 413.764†	803.6	1.5	-0.0288712	ug/L	-0.0288712	ug/L	14:29:14
1	Co 228.616†	1862.3	1953.0	370.551	ug/L	370.551	ug/L	14:29:34
1	Cr 205.557†	3472.4	3526.0	375.561	ug/L	375.561	ug/L	14:29:34
1	Cu 327.397†	12224.4	12388.0	389.856	ug/L	389.856	ug/L	14:29:14
1	Mn 257.610†	106816.3	107552.7	884.742	ug/L	884.742	ug/L	14:29:14
1	Mo 202.031†	2739.6	2674.6	400.362	ug/L	400.362	ug/L	14:29:34
1	Ni 231.604†	4027.6	3697.3	375.223	ug/L	375.223	ug/L	14:29:34
1	Pb 220.353†	545.0	522.8	378.434	ug/L	378.434	ug/L	14:29:34
1	Sb 217.584†	2133.0	2190.5	1903.82	ug/L	1903.82	ug/L	14:29:34
1	Se 196.026†	570.3	608.9	1817.05	ug/L	1817.05	ug/L	14:29:34
1	Si 251.611†	54241.9	54492.6	5908.16	ug/L	5908.16	ug/L	14:29:14
1	Sn 189.927†	3139.0	3161.4	1854.77	ug/L	1854.77	ug/L	14:29:34
1	Tl 190.801†	1287.6	1335.4	1915.64	ug/L	1915.64	ug/L	14:29:34
1	V 292.395†	12805.5	14263.0	379.795	ug/L	379.795	ug/L	14:29:14
1	Zn 206.200†	2462.4	2554.3	364.581	ug/L	364.581	ug/L	14:29:34
2	Sc 357.234	139554.2	139554.2	101.739	%			14:28:48
2	Al 396.153†	6495.8	6203.4	1918.64	ug/L	1918.64	ug/L	14:29:08
2	Ba 455.398†	138887.1	136524.3	457.422	ug/L	457.422	ug/L	14:28:48
2	Ca 315.887†	141358.5	138813.4	101.802	mg/L	101.802	mg/L	14:28:48
2	Fe 238.204†	1049.1	996.1	426.802	ug/L	426.802	ug/L	14:29:08
2	K 766.490	16408.8	16353.1	22.1132	mg/L	22.1132	mg/L	14:28:48
2	Li 670.784†	15766.9	15528.1	397.606	ug/L	397.606	ug/L	14:28:48
2	Mg 279.071†	19576.7	19227.9	40.5550	mg/L	40.5550	mg/L	14:28:48
2	Na 589.592†	346130.8	339715.8	47.7731	mg/L	47.7731	mg/L	14:28:48
2	Sr 407.771†	447272.4	439328.7	552.671	ug/L	552.671	ug/L	14:28:48
2	Ti 334.940†	5906.9	5814.8	388.505	ug/L	388.505	ug/L	14:29:08
2	Y 360.076	220667.9	220667.9	99.0078	%			14:29:39
2	Ag 328.068†	21048.4	21076.2	380.657	ug/L	380.657	ug/L	14:29:39
2	As 188.979†	959.3	995.2	1906.79	ug/L	1906.79	ug/L	14:29:59
2	B 249.677†	7262.0	7028.3	414.263	ug/L	414.263	ug/L	14:29:39
2	Be 234.861†	5749.2	6538.3	38.1793	ug/L	38.1793	ug/L	14:29:59
2	Cd 214.437†	7495.2	7183.0	369.687	ug/L	369.687	ug/L	14:29:59
2	Ce 413.764†	788.7	-12.3	-0.446912	ug/L	-0.446912	ug/L	14:29:39
2	Co 228.616†	1874.7	1968.4	373.496	ug/L	373.496	ug/L	14:29:59
2	Cr 205.557†	3463.5	3522.1	375.151	ug/L	375.151	ug/L	14:29:59
2	Cu 327.397†	12206.9	12388.8	389.876	ug/L	389.876	ug/L	14:29:39
2	Mn 257.610†	106466.5	107359.8	883.154	ug/L	883.154	ug/L	14:29:39
2	Mo 202.031†	2732.2	2671.3	399.865	ug/L	399.865	ug/L	14:29:59
2	Ni 231.604†	4022.6	3698.3	375.316	ug/L	375.316	ug/L	14:29:59
2	Pb 220.353†	548.5	527.2	381.598	ug/L	381.598	ug/L	14:29:59
2	Sb 217.584†	2121.4	2182.0	1896.36	ug/L	1896.36	ug/L	14:29:59
2	Se 196.026†	575.8	615.3	1836.06	ug/L	1836.06	ug/L	14:29:59

2	Si 251.611†	53415.9	53739.7	5826.15	ug/L	5826.15	ug/L 14:29:39
2	Sn 189.927†	3144.9	3172.1	1861.17	ug/L	1861.17	ug/L 14:29:59
2	Tl 190.801†	1272.4	1321.9	1896.28	ug/L	1896.28	ug/L 14:29:59
2	V 292.395†	12713.6	14189.4	377.854	ug/L	377.854	ug/L 14:29:39
2	Zn 206.200†	2468.2	2563.9	365.952	ug/L	365.952	ug/L 14:29:59

Mean Data: 1000384-MSD1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	138907.4	101.268	%	0.6668				0.66%
Y 360.076	220832.2	99.0815	%	0.10425				0.11%
Ag 328.068†	21092.5	380.946	ug/L	0.4093	380.946	ug/L	0.4093	0.11%
Al 396.153†	6218.8	1923.29	ug/L	6.578	1923.29	ug/L	6.578	0.34%
As 188.979†	996.2	1908.65	ug/L	2.631	1908.65	ug/L	2.631	0.14%
B 249.677†	7004.0	412.829	ug/L	2.0269	412.829	ug/L	2.0269	0.49%
Ba 455.398†	135780.8	454.933	ug/L	3.5199	454.933	ug/L	3.5199	0.77%
Be 234.861†	6536.1	38.1658	ug/L	0.01921	38.1658	ug/L	0.01921	0.05%
Ca 315.887†	138172.5	101.332	mg/L	0.6648	101.332	mg/L	0.6648	0.66%
Cd 214.437†	7180.3	369.549	ug/L	0.1952	369.549	ug/L	0.1952	0.05%
Ce 413.764†	-5.4	-0.237892	ug/L	0.2955998	-0.237892	ug/L	0.2955998	124.26%
Co 228.616†	1960.7	372.024	ug/L	2.0827	372.024	ug/L	2.0827	0.56%
Cr 205.557†	3524.1	375.356	ug/L	0.2896	375.356	ug/L	0.2896	0.08%
Cu 327.397†	12388.4	389.866	ug/L	0.0138	389.866	ug/L	0.0138	0.00%
Fe 238.204†	1000.7	428.841	ug/L	2.8836	428.841	ug/L	2.8836	0.67%
K 766.490	16226.3	21.9418	mg/L	0.24245	21.9418	mg/L	0.24245	1.10%
Li 670.784†	15461.6	395.908	ug/L	2.4020	395.908	ug/L	2.4020	0.61%
Mg 279.071†	19148.0	40.3865	mg/L	0.23830	40.3865	mg/L	0.23830	0.59%
Mn 257.610†	107456.2	883.948	ug/L	1.1232	883.948	ug/L	1.1232	0.13%
Mo 202.031†	2672.9	400.114	ug/L	0.3515	400.114	ug/L	0.3515	0.09%
Na 589.592†	338339.6	47.5796	mg/L	0.27364	47.5796	mg/L	0.27364	0.58%
Ni 231.604†	3697.8	375.270	ug/L	0.0655	375.270	ug/L	0.0655	0.02%
Pb 220.353†	525.0	380.016	ug/L	2.2371	380.016	ug/L	2.2371	0.59%
Sb 217.584†	2186.3	1900.09	ug/L	5.278	1900.09	ug/L	5.278	0.28%
Se 196.026†	612.1	1826.56	ug/L	13.445	1826.56	ug/L	13.445	0.74%
Si 251.611†	54116.1	5867.15	ug/L	57.994	5867.15	ug/L	57.994	0.99%
Sn 189.927†	3166.7	1857.97	ug/L	4.523	1857.97	ug/L	4.523	0.24%
Sr 407.771†	437098.1	549.871	ug/L	3.9586	549.871	ug/L	3.9586	0.72%
Ti 334.940†	5834.2	389.810	ug/L	1.8449	389.810	ug/L	1.8449	0.47%
Tl 190.801†	1328.7	1905.96	ug/L	13.688	1905.96	ug/L	13.688	0.72%
V 292.395†	14226.2	378.825	ug/L	1.3723	378.825	ug/L	1.3723	0.36%
Zn 206.200†	2559.1	365.267	ug/L	0.9694	365.267	ug/L	0.9694	0.27%

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Sequence No.: 33
Sample ID: 0A19026-SRD2
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 33
Date Collected: 1/19/2010 2:31:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A19026-SRD2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	141256.6	141256.6	102.981	%			14:32:17
1	Al 396.153†	189.0	2.1	-10.3473	ug/L	-51.7364	ug/L	14:32:17
1	Ba 455.398†	4418.5	4302.3	14.8145	ug/L	74.0725	ug/L	14:32:17
1	Ca 315.887†	22787.2	21999.3	16.1225	mg/L	80.6126	mg/L	14:32:17
1	Fe 238.204†	67.2	30.2	11.5054	ug/L	57.5271	ug/L	14:32:37
1	K 766.490	462.8	407.1	0.565048	mg/L	2.82524	mg/L	14:32:17
1	Li 670.784†	15.6	46.0	2.11337	ug/L	10.5668	ug/L	14:32:17
1	Mg 279.071†	2099.9	2025.0	4.27044	mg/L	21.3522	mg/L	14:32:37
1	Na 589.592†	41271.8	39579.9	5.57413	mg/L	27.8707	mg/L	14:32:17
1	Sr 407.771†	27066.5	25986.3	33.9766	ug/L	169.883	ug/L	14:32:17
1	Ti 334.940†	7.1	15.7	-1.48493	ug/L	-7.42466	ug/L	14:32:37
1	Y 360.076	226070.0	226070.0	101.432	%			14:33:09
1	Ag 328.068†	194.7	8.8	0.0652151	ug/L	0.326076	ug/L	14:33:09
1	As 188.979†	-28.6	-1.9	-12.1262	ug/L	-60.6312	ug/L	14:33:29
1	B 249.677†	470.9	157.7	7.52291	ug/L	37.6145	ug/L	14:33:29
1	Be 234.861†	-706.3	35.1	0.166570	ug/L	0.832850	ug/L	14:33:29
1	Cd 214.437†	392.9	0.0	-1.03342	ug/L	-5.16710	ug/L	14:33:29

1	Ce 413.764†	827.2	6.6	0.200458 ug/L	1.00229 ug/L	14:33:09
1	Co 228.616†	-75.8	0.1	-1.20119 ug/L	-6.00597 ug/L	14:33:29
1	Cr 205.557†	-25.1	-0.8	-1.43089 ug/L	-7.15443 ug/L	14:33:29
1	Cu 327.397†	-34.4	25.6	1.30324 ug/L	6.51618 ug/L	14:33:09
1	Mn 257.610†	12660.9	12308.5	100.598 ug/L	502.991 ug/L	14:33:09
1	Mo 202.031†	114.8	24.8	2.24638 ug/L	11.2319 ug/L	14:33:29
1	Ni 231.604†	363.6	-6.1	-1.54519 ug/L	-7.72593 ug/L	14:33:29
1	Pb 220.353†	36.9	9.6	4.27115 ug/L	21.3558 ug/L	14:33:29
1	Sb 217.584†	-44.5	-4.5	-10.4863 ug/L	-52.4316 ug/L	14:33:29
1	Se 196.026†	-44.0	-9.7	-15.9596 ug/L	-79.7978 ug/L	14:33:29
1	Si 251.611†	11461.0	11087.7	1185.84 ug/L	5929.22 ug/L	14:33:09
1	Sn 189.927†	-14.3	-18.5	-16.0306 ug/L	-80.1532 ug/L	14:33:29
1	Tl 190.801†	-38.5	-1.2	1.90030 ug/L	9.50152 ug/L	14:33:29
1	V 292.395†	-1327.2	40.0	1.70484 ug/L	8.52418 ug/L	14:33:09
1	Zn 206.200†	-60.9	10.8	-0.539205 ug/L	-2.69602 ug/L	14:33:29
2	Sc 357.234	139781.0	139781.0	101.905 %		14:32:42
2	Al 396.153†	177.3	-7.4	-13.2621 ug/L	-66.3103 ug/L	14:32:42
2	Ba 455.398†	4370.5	4300.5	14.8086 ug/L	74.0431 ug/L	14:32:42
2	Ca 315.887†	22681.4	22129.0	16.2177 mg/L	81.0884 mg/L	14:32:42
2	Fe 238.204†	62.6	26.3	9.83926 ug/L	49.1963 ug/L	14:33:02
2	K 766.490	483.8	428.2	0.593478 mg/L	2.96739 mg/L	14:32:42
2	Li 670.784†	61.9	91.5	3.27712 ug/L	16.3856 ug/L	14:32:42
2	Mg 279.071†	2112.6	2059.0	4.34218 mg/L	21.7109 mg/L	14:33:02
2	Na 589.592†	41103.8	39838.2	5.61045 mg/L	28.0523 mg/L	14:32:42
2	Sr 407.771†	26976.7	26175.6	34.2142 ug/L	171.071 ug/L	14:32:42
2	Ti 334.940†	-9.7	-0.7	-2.58996 ug/L	-12.9498 ug/L	14:33:02
2	Y 360.076	225975.0	225975.0	101.389 %		14:33:34
2	Ag 328.068†	201.3	15.4	0.186139 ug/L	0.930694 ug/L	14:33:34
2	As 188.979†	-22.7	3.9	-0.912889 ug/L	-4.56444 ug/L	14:33:54
2	B 249.677†	461.3	148.4	6.96725 ug/L	34.8362 ug/L	14:33:54
2	Be 234.861†	-717.1	24.2	0.103065 ug/L	0.515326 ug/L	14:33:54
2	Cd 214.437†	386.8	-5.8	-1.33217 ug/L	-6.66087 ug/L	14:33:54
2	Ce 413.764†	833.4	13.1	0.397200 ug/L	1.98600 ug/L	14:33:34
2	Co 228.616†	-69.5	6.4	-0.0061349 ug/L	-0.0306745 ug/L	14:33:54
2	Cr 205.557†	-18.5	5.7	-0.741204 ug/L	-3.70602 ug/L	14:33:54
2	Cu 327.397†	-41.8	18.4	1.07390 ug/L	5.36951 ug/L	14:33:34
2	Mn 257.610†	12679.1	12331.7	100.789 ug/L	503.947 ug/L	14:33:34
2	Mo 202.031†	114.1	24.1	2.15093 ug/L	10.7546 ug/L	14:33:54
2	Ni 231.604†	364.4	-5.2	-1.45796 ug/L	-7.28982 ug/L	14:33:54
2	Pb 220.353†	34.8	7.5	2.73489 ug/L	13.6745 ug/L	14:33:54
2	Sb 217.584†	-47.9	-7.9	-13.4393 ug/L	-67.1966 ug/L	14:33:54
2	Se 196.026†	-39.8	-5.5	-3.66090 ug/L	-18.3045 ug/L	14:33:54
2	Si 251.611†	11423.5	11055.5	1182.36 ug/L	5911.79 ug/L	14:33:34
2	Sn 189.927†	-5.9	-10.1	-11.1534 ug/L	-55.7671 ug/L	14:33:54
2	Tl 190.801†	-35.8	1.5	5.68577 ug/L	28.4288 ug/L	14:33:54
2	V 292.395†	-1341.4	25.4	1.32050 ug/L	6.60248 ug/L	14:33:34
2	Zn 206.200†	-62.1	9.7	-0.710949 ug/L	-3.55475 ug/L	14:33:54

Mean Data: 0A19026-SRD2

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	140518.8	102.443	%	0.7607				0.74%
Y 360.076	226022.5	101.410	%	0.0301				0.03%
Ag 328.068†	12.1	0.125677	ug/L	0.0855059	0.628385	ug/L	0.4275294	68.04%
Al 396.153†	-2.7	-11.8047	ug/L	2.06106	-59.0233	ug/L	10.30528	17.46%
As 188.979†	1.0	-6.51957	ug/L	7.929041	-32.5978	ug/L	39.64521	121.62%
B 249.677†	153.1	7.24508	ug/L	0.392909	36.2254	ug/L	1.96454	5.42%
Ba 455.398†	4301.4	14.8116	ug/L	0.00417	74.0578	ug/L	0.02085	0.03%
Be 234.861†	29.7	0.134818	ug/L	0.0449046	0.674088	ug/L	0.2245230	33.31%
Ca 315.887†	22064.2	16.1701	mg/L	0.06728	80.8505	mg/L	0.33641	0.42%
Cd 214.437†	-2.9	-1.18280	ug/L	0.211250	-5.91399	ug/L	1.056249	17.86%
Ce 413.764†	9.8	0.298829	ug/L	0.1391179	1.49415	ug/L	0.695590	46.55%
Co 228.616†	3.2	-0.603665	ug/L	0.8450350	-3.01832	ug/L	4.225175	139.98%
Cr 205.557†	2.5	-1.08605	ug/L	0.487679	-5.43023	ug/L	2.438396	44.90%
Cu 327.397†	22.0	1.18857	ug/L	0.162164	5.94285	ug/L	0.810822	13.64%
Fe 238.204†	28.2	10.6723	ug/L	1.17815	53.3617	ug/L	5.89076	11.04%
K 766.490	417.7	0.579263	mg/L	0.0201031	2.89631	mg/L	0.100515	3.47%
Li 670.784†	68.7	2.69525	ug/L	0.822900	13.4762	ug/L	4.11450	30.53%
Mg 279.071†	2042.0	4.30631	mg/L	0.050731	21.5316	mg/L	0.25366	1.18%
Mn 257.610†	12320.1	100.694	ug/L	0.1351	503.469	ug/L	0.6757	0.13%

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Mo 202.031†	24.5	2.19865 ug/L	0.067492	10.9933 ug/L	0.33746	3.07%
Na 589.592†	39709.0	5.59229 mg/L	0.025680	27.9615 mg/L	0.12840	0.46%
Ni 231.604†	-5.6	-1.50158 ug/L	0.061675	-7.50788 ug/L	0.308375	4.11%
Pb 220.353†	8.5	3.50302 ug/L	1.086302	17.5151 ug/L	5.43151	31.01%
Sb 217.584†	-6.2	-11.9628 ug/L	2.08808	-59.8141 ug/L	10.44039	17.45%
Se 196.026†	-7.6	-9.81023 ug/L	8.696472	-49.0512 ug/L	43.48236	88.65%
Si 251.611†	11071.6	1184.10 ug/L	2.465	5920.51 ug/L	12.326	0.21%
Sn 189.927†	-14.3	-13.5920 ug/L	3.44871	-67.9602 ug/L	17.24356	25.37%
Sr 407.771†	26080.9	34.0954 ug/L	0.16803	170.477 ug/L	0.8401	0.49%
Ti 334.940†	7.5	-2.03744 ug/L	0.781370	-10.1872 ug/L	3.90685	38.35%
Tl 190.801†	0.1	3.79303 ug/L	2.676727	18.9652 ug/L	13.38363	70.57%
V 292.395†	32.7	1.51267 ug/L	0.271769	7.56333 ug/L	1.358847	17.97%
Zn 206.200†	10.2	-0.625077 ug/L	0.1214417	-3.12539 ug/L	0.607208	19.43%

Sequence No.: 34 **Autosampler Location: 34**
Sample ID: 1000384-PS1 **Date Collected: 1/19/2010 2:35:10 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1000384-PS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	137111.8	137111.8	99.9588	%			14:36:16
1	Al 396.153†	4196.4	4016.8	1243.31	ug/L	1243.31	ug/L	14:36:36
1	Ba 455.398†	94636.9	94687.6	317.376	ug/L	317.376	ug/L	14:36:16
1	Ca 315.887†	127098.5	127022.5	93.1534	mg/L	93.1534	mg/L	14:36:16
1	Fe 238.204†	733.5	698.7	298.710	ug/L	298.710	ug/L	14:36:36
1	K 766.490	11212.0	11156.4	15.0907	mg/L	15.0907	mg/L	14:36:16
1	Li 670.784†	10058.3	10093.2	258.772	ug/L	258.772	ug/L	14:36:16
1	Mg 279.071†	15797.3	15789.8	33.3033	mg/L	33.3033	mg/L	14:36:16
1	Na 589.592†	287564.1	287185.3	40.3874	mg/L	40.3874	mg/L	14:36:16
1	Sr 407.771†	327284.3	327122.5	411.866	ug/L	411.866	ug/L	14:36:16
1	Ti 334.940†	3764.9	3775.3	251.345	ug/L	251.345	ug/L	14:36:36
1	Y 360.076	219266.1	219266.1	98.3788	%			14:37:07
1	Ag 328.068†	13701.9	13744.6	248.456	ug/L	248.456	ug/L	14:37:07
1	As 188.979†	619.3	655.8	1253.69	ug/L	1253.69	ug/L	14:37:28
1	B 249.677†	5075.6	4852.7	285.511	ug/L	285.511	ug/L	14:37:07
1	Be 234.861†	3431.9	4219.9	24.6210	ug/L	24.6210	ug/L	14:37:28
1	Cd 214.437†	4937.7	4631.7	238.008	ug/L	238.008	ug/L	14:37:28
1	Ce 413.764†	819.9	24.5	0.693826	ug/L	0.693826	ug/L	14:37:07
1	Co 228.616†	1177.5	1271.8	240.883	ug/L	240.883	ug/L	14:37:28
1	Cr 205.557†	2242.4	2303.3	244.868	ug/L	244.868	ug/L	14:37:28
1	Cu 327.397†	7794.7	7982.7	251.396	ug/L	251.396	ug/L	14:37:07
1	Mn 257.610†	89611.6	90914.6	747.759	ug/L	747.759	ug/L	14:37:07
1	Mo 202.031†	1819.2	1760.8	263.072	ug/L	263.072	ug/L	14:37:28
1	Ni 231.604†	2724.5	2404.8	243.729	ug/L	243.729	ug/L	14:37:28
1	Pb 220.353†	368.5	347.8	250.826	ug/L	250.826	ug/L	14:37:28
1	Sb 217.584†	1374.8	1436.7	1246.46	ug/L	1246.46	ug/L	14:37:28
1	Se 196.026†	353.5	393.0	1177.45	ug/L	1177.45	ug/L	14:37:28
1	Si 251.611†	65473.3	66340.8	7203.61	ug/L	7203.61	ug/L	14:37:07
1	Sn 189.927†	2058.9	2088.4	1228.07	ug/L	1228.07	ug/L	14:37:28
1	Tl 190.801†	814.9	865.1	1242.30	ug/L	1242.30	ug/L	14:37:28
1	V 292.395†	* 7718.1	9193.7	245.081	ug/L	245.081	ug/L	14:37:07
1	Zn 206.200†	1580.6	1677.6	238.585	ug/L	238.585	ug/L	14:37:28
2	Sc 357.234	137652.2	137652.2	100.353	%			14:36:41
2	Al 396.153†	4190.1	3994.0	1236.41	ug/L	1236.41	ug/L	14:37:01
2	Ba 455.398†	95937.1	95611.5	320.468	ug/L	320.468	ug/L	14:36:41
2	Ca 315.887†	128704.0	128123.1	93.9606	mg/L	93.9606	mg/L	14:36:41
2	Fe 238.204†	735.6	697.9	298.314	ug/L	298.314	ug/L	14:37:01
2	K 766.490	11356.2	11300.5	15.2855	mg/L	15.2855	mg/L	14:36:41
2	Li 670.784†	10182.3	10177.3	260.919	ug/L	260.919	ug/L	14:36:41
2	Mg 279.071†	15982.3	15912.1	33.5612	mg/L	33.5612	mg/L	14:36:41
2	Na 589.592†	291212.3	289691.1	40.7397	mg/L	40.7397	mg/L	14:36:41
2	Sr 407.771†	331800.5	330337.2	415.900	ug/L	415.900	ug/L	14:36:41
2	Ti 334.940†	3767.6	3763.2	250.537	ug/L	250.537	ug/L	14:37:01
2	Y 360.076	217979.5	217979.5	97.8016	%			14:37:33
2	Ag 328.068†	13603.7	13726.3	248.133	ug/L	248.133	ug/L	14:37:33
2	As 188.979†	618.1	658.3	1258.55	ug/L	1258.55	ug/L	14:37:53

2	B 249.677†	5067.5	4874.9	286.825 ug/L	286.825 ug/L	14:37:33
2	Be 234.861†	3398.9	4206.8	24.5440 ug/L	24.5440 ug/L	14:37:53
2	Cd 214.437†	4938.6	4662.3	239.587 ug/L	239.587 ug/L	14:37:53
2	Ce 413.764†	797.9	6.9	0.161380 ug/L	0.161380 ug/L	14:37:33
2	Co 228.616†	1173.8	1275.1	241.507 ug/L	241.507 ug/L	14:37:53
2	Cr 205.557†	2227.0	2301.0	244.619 ug/L	244.619 ug/L	14:37:53
2	Cu 327.397†	7734.0	7967.4	250.915 ug/L	250.915 ug/L	14:37:33
2	Mn 257.610†	89168.8	90999.5	748.458 ug/L	748.458 ug/L	14:37:33
2	Mo 202.031†	1825.9	1778.6	265.750 ug/L	265.750 ug/L	14:37:53
2	Ni 231.604†	2716.8	2413.3	244.597 ug/L	244.597 ug/L	14:37:53
2	Pb 220.353†	367.8	349.2	251.903 ug/L	251.903 ug/L	14:37:53
2	Sb 217.584†	1376.4	1446.6	1255.09 ug/L	1255.09 ug/L	14:37:53
2	Se 196.026†	348.0	389.5	1166.99 ug/L	1166.99 ug/L	14:37:53
2	Si 251.611†	65253.2	66508.5	7221.92 ug/L	7221.92 ug/L	14:37:33
2	Sn 189.927†	2059.9	2101.8	1236.05 ug/L	1236.05 ug/L	14:37:53
2	Tl 190.801†	812.1	867.1	1245.10 ug/L	1245.10 ug/L	14:37:53
2	V 292.395†	7693.9	9215.3	245.679 ug/L	245.679 ug/L	14:37:33
2	Zn 206.200†	1563.2	1669.2	237.375 ug/L	237.375 ug/L	14:37:53

Mean Data: 1000384-PS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	137382.0	100.156	%	0.2786				0.28%
Y 360.076	218622.8	98.0902	%	0.40816				0.42%
Ag 328.068†	13735.5	248.295	ug/L	0.2279	248.295	ug/L	0.2279	0.09%
Al 396.153†	4005.4	1239.86	ug/L	4.885	1239.86	ug/L	4.885	0.39%
As 188.979†	657.1	1256.12	ug/L	3.437	1256.12	ug/L	3.437	0.27%
B 249.677†	4863.8	286.168	ug/L	0.9291	286.168	ug/L	0.9291	0.32%
Ba 455.398†	95149.5	318.922	ug/L	2.1868	318.922	ug/L	2.1868	0.69%
Be 234.861†	4213.4	24.5825	ug/L	0.05447	24.5825	ug/L	0.05447	0.22%
Ca 315.887†	127572.8	93.5570	mg/L	0.57082	93.5570	mg/L	0.57082	0.61%
Cd 214.437†	4647.0	238.798	ug/L	1.1167	238.798	ug/L	1.1167	0.47%
Ce 413.764†	15.7	0.427603	ug/L	0.3764961	0.427603	ug/L	0.3764961	88.05%
Co 228.616†	1273.4	241.195	ug/L	0.4409	241.195	ug/L	0.4409	0.18%
Cr 205.557†	2302.2	244.744	ug/L	0.1766	244.744	ug/L	0.1766	0.07%
Cu 327.397†	7975.1	251.155	ug/L	0.3403	251.155	ug/L	0.3403	0.14%
Fe 238.204†	698.3	298.512	ug/L	0.2804	298.512	ug/L	0.2804	0.09%
K 766.490	11228.4	15.1881	mg/L	0.13772	15.1881	mg/L	0.13772	0.91%
Li 670.784†	10135.3	259.845	ug/L	1.5182	259.845	ug/L	1.5182	0.58%
Mg 279.071†	15851.0	33.4323	mg/L	0.18239	33.4323	mg/L	0.18239	0.55%
Mn 257.610†	90957.1	748.108	ug/L	0.4940	748.108	ug/L	0.4940	0.07%
Mo 202.031†	1769.7	264.411	ug/L	1.8938	264.411	ug/L	1.8938	0.72%
Na 589.592†	288438.2	40.5635	mg/L	0.24912	40.5635	mg/L	0.24912	0.61%
Ni 231.604†	2409.1	244.163	ug/L	0.6132	244.163	ug/L	0.6132	0.25%
Pb 220.353†	348.5	251.364	ug/L	0.7618	251.364	ug/L	0.7618	0.30%
Sb 217.584†	1441.7	1250.77	ug/L	6.102	1250.77	ug/L	6.102	0.49%
Se 196.026†	391.3	1172.22	ug/L	7.401	1172.22	ug/L	7.401	0.63%
Si 251.611†	66424.6	7212.77	ug/L	12.944	7212.77	ug/L	12.944	0.18%
Sn 189.927†	2095.1	1232.06	ug/L	5.638	1232.06	ug/L	5.638	0.46%
Sr 407.771†	328729.8	413.883	ug/L	2.8525	413.883	ug/L	2.8525	0.69%
Ti 334.940†	3769.3	250.941	ug/L	0.5719	250.941	ug/L	0.5719	0.23%
Tl 190.801†	866.1	1243.70	ug/L	1.979	1243.70	ug/L	1.979	0.16%
V 292.395†	9204.5	245.380	ug/L	0.4231	245.380	ug/L	0.4231	0.17%
Zn 206.200†	1673.4	237.980	ug/L	0.8559	237.980	ug/L	0.8559	0.36%

Sequence No.: 35
Sample ID: 10001177-09
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 35
Date Collected: 1/19/2010 2:39:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 10001177-09

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	138297.9	138297.9	100.823	%			14:40:12
1	Al 396.153†	1920.5	1723.4	537.822	ug/L	537.822	ug/L	14:40:32
1	Ba 455.398†	29905.7	29673.1	99.7423	ug/L	99.7423	ug/L	14:40:12
1	Ca 315.887†	121033.5	119916.5	87.9414	mg/L	87.9414	mg/L	14:40:12

1	Fe 238.204†	10040.6	9923.5	4289.17 ug/L	4289.17 ug/L	14:40:32
1	K 766.490	2214.1	2158.4	2.93163 mg/L	2.93163 mg/L	14:40:32
1	Li 670.784†	178.6	208.0	6.25160 ug/L	6.25160 ug/L	14:40:32
1	Mg 279.071†	12313.1	12198.5	25.7285 mg/L	25.7285 mg/L	14:40:32
1	Na 589.592†	431351.2	427330.7	60.0918 mg/L	60.0918 mg/L	14:40:12
1	Sr 407.771†	121629.3	120339.1	152.378 ug/L	152.378 ug/L	14:40:12
1	Ti 334.940†	385.5	391.2	23.7681 ug/L	23.7681 ug/L	14:40:32
1	Y 360.076	218259.7	218259.7	97.9273 %		14:41:04
1	Ag 328.068†	128.6	-51.8	0.369404 ug/L	0.369404 ug/L	14:41:24
1	As 188.979†	-21.1	4.8	0.599315 ug/L	0.599315 ug/L	14:41:24
1	B 249.677†	1002.0	716.7	41.1618 ug/L	41.1618 ug/L	14:41:24
1	Be 234.861†	-460.5	261.2	0.0510327 ug/L	0.0510327 ug/L	14:41:04
1	Cd 214.437†	407.5	28.8	-0.366036 ug/L	-0.366036 ug/L	14:41:24
1	Ce 413.764†	923.3	134.0	4.04564 ug/L	4.04564 ug/L	14:41:04
1	Co 228.616†	-63.4	10.1	0.501183 ug/L	0.501183 ug/L	14:41:24
1	Cr 205.557†	30.9	55.6	4.85133 ug/L	4.85133 ug/L	14:41:24
1	Cu 327.397†	112.2	174.2	5.98268 ug/L	5.98268 ug/L	14:41:04
1	Mn 257.610†	88969.0	90678.4	745.964 ug/L	745.964 ug/L	14:41:04
1	Mo 202.031†	195.9	111.7	15.3035 ug/L	15.3035 ug/L	14:41:24
1	Ni 231.604†	416.2	60.4	5.23793 ug/L	5.23793 ug/L	14:41:24
1	Pb 220.353†	36.6	10.5	4.97665 ug/L	4.97665 ug/L	14:41:24
1	Sb 217.584†	-70.3	-32.4	-21.9350 ug/L	-21.9350 ug/L	14:41:24
1	Se 196.026†	-45.4	-12.7	-19.6916 ug/L	-19.6916 ug/L	14:41:24
1	Si 251.611†	48573.1	49389.7	5362.40 ug/L	5362.40 ug/L	14:41:04
1	Sn 189.927†	-65.9	-71.6	-31.3264 ug/L	-31.3264 ug/L	14:41:24
1	Tl 190.801†	-45.6	-9.8	-10.0773 ug/L	-10.0773 ug/L	14:41:24
1	V 292.395†	-1284.4	36.8	0.958335 ug/L	0.958335 ug/L	14:41:24
1	Zn 206.200†	235.3	311.2	41.8612 ug/L	41.8612 ug/L	14:41:24
2	Sc 357.234	138096.3	138096.3	100.677 %		14:40:37
2	Al 396.153†	1916.0	1721.8	537.465 ug/L	537.465 ug/L	14:40:57
2	Ba 455.398†	30110.7	29920.0	100.569 ug/L	100.569 ug/L	14:40:37
2	Ca 315.887†	121753.0	120806.4	88.5941 mg/L	88.5941 mg/L	14:40:37
2	Fe 238.204†	10050.6	9948.0	4299.76 ug/L	4299.76 ug/L	14:40:57
2	K 766.490	2213.3	2157.6	2.93049 mg/L	2.93049 mg/L	14:40:57
2	Li 670.784†	180.4	209.9	6.30152 ug/L	6.30152 ug/L	14:40:57
2	Mg 279.071†	12318.2	12221.4	25.7768 mg/L	25.7768 mg/L	14:40:57
2	Na 589.592†	432296.8	428894.5	60.3116 mg/L	60.3116 mg/L	14:40:37
2	Sr 407.771†	122198.8	121080.9	153.309 ug/L	153.309 ug/L	14:40:37
2	Ti 334.940†	375.9	382.2	23.1613 ug/L	23.1613 ug/L	14:40:57
2	Y 360.076	219654.2	219654.2	98.5530 %		14:41:29
2	Ag 328.068†	112.7	-68.8	0.0681606 ug/L	0.0681606 ug/L	14:41:49
2	As 188.979†	-19.0	7.0	4.93543 ug/L	4.93543 ug/L	14:41:49
2	B 249.677†	1018.2	726.7	41.7593 ug/L	41.7593 ug/L	14:41:49
2	Be 234.861†	-513.7	210.2	-0.251909 ug/L	-0.251909 ug/L	14:41:29
2	Cd 214.437†	405.4	24.1	-0.614418 ug/L	-0.614418 ug/L	14:41:49
2	Ce 413.764†	900.8	105.1	3.17206 ug/L	3.17206 ug/L	14:41:29
2	Co 228.616†	-69.4	4.4	-0.587976 ug/L	-0.587976 ug/L	14:41:49
2	Cr 205.557†	39.5	64.1	5.76262 ug/L	5.76262 ug/L	14:41:49
2	Cu 327.397†	98.2	159.2	5.51244 ug/L	5.51244 ug/L	14:41:29
2	Mn 257.610†	89283.7	90421.0	743.846 ug/L	743.846 ug/L	14:41:29
2	Mo 202.031†	197.1	111.6	15.2917 ug/L	15.2917 ug/L	14:41:49
2	Ni 231.604†	425.3	66.9	5.90076 ug/L	5.90076 ug/L	14:41:49
2	Pb 220.353†	40.7	14.5	7.87351 ug/L	7.87351 ug/L	14:41:49
2	Sb 217.584†	-72.0	-33.7	-23.0436 ug/L	-23.0436 ug/L	14:41:49
2	Se 196.026†	-52.8	-19.8	-40.8346 ug/L	-40.8346 ug/L	14:41:49
2	Si 251.611†	48913.4	49420.1	5365.73 ug/L	5365.73 ug/L	14:41:29
2	Sn 189.927†	-75.8	-81.2	-36.7592 ug/L	-36.7592 ug/L	14:41:49
2	Tl 190.801†	-39.6	-3.4	-1.04402 ug/L	-1.04402 ug/L	14:41:49
2	V 292.395†	-1275.7	53.9	1.40812 ug/L	1.40812 ug/L	14:41:49
2	Zn 206.200†	235.9	310.3	41.7271 ug/L	41.7271 ug/L	14:41:49

Mean Data: 1001177-09

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	138197.1	100.750	%	0.1039				0.10%
Y 360.076	218956.9	98.2401	%	0.44240				0.45%
Ag 328.068†	-60.3	0.218782	ug/L	0.2130112	0.218782	ug/L	0.2130112	97.36%
Al 396.153†	1722.6	537.643	ug/L	0.2519	537.643	ug/L	0.2519	0.05%
As 188.979†	5.9	2.76737	ug/L	3.066100	2.76737	ug/L	3.066100	110.79%
B 249.677†	721.7	41.4606	ug/L	0.42252	41.4606	ug/L	0.42252	1.02%

Ba 455.398†	29796.6	100.156 ug/L	0.5845	100.156 ug/L	0.5845	0.58%
Be 234.861†	235.7	-0.100438 ug/L	0.2142123	-0.100438 ug/L	0.2142123	213.28%
Ca 315.887†	120361.5	88.2678 mg/L	0.46155	88.2678 mg/L	0.46155	0.52%
Cd 214.437†	26.5	-0.490227 ug/L	0.1756325	-0.490227 ug/L	0.1756325	35.83%
Ce 413.764†	119.5	3.60885 ug/L	0.617716	3.60885 ug/L	0.617716	17.12%
Co 228.616†	7.3	-0.0433964 ug/L	0.77015111	-0.0433964 ug/L	0.77015111	>999.9%
Cr 205.557†	59.8	5.30697 ug/L	0.644375	5.30697 ug/L	0.644375	12.14%
Cu 327.397†	166.7	5.74756 ug/L	0.332511	5.74756 ug/L	0.332511	5.79%
Fe 238.204†	9935.7	4294.46 ug/L	7.490	4294.46 ug/L	7.490	0.17%
K 766.490	2158.0	2.93106 mg/L	0.000801	2.93106 mg/L	0.000801	0.03%
Li 670.784†	208.9	6.27656 ug/L	0.035301	6.27656 ug/L	0.035301	0.56%
Mg 279.071†	12210.0	25.7526 mg/L	0.03419	25.7526 mg/L	0.03419	0.13%
Mn 257.610†	90549.7	744.905 ug/L	1.4981	744.905 ug/L	1.4981	0.20%
Mo 202.031†	111.6	15.2976 ug/L	0.00834	15.2976 ug/L	0.00834	0.05%
Na 589.592†	428112.6	60.2017 mg/L	0.15547	60.2017 mg/L	0.15547	0.26%
Ni 231.604†	63.7	5.56935 ug/L	0.468691	5.56935 ug/L	0.468691	8.42%
Pb 220.353†	12.5	6.42508 ug/L	2.048390	6.42508 ug/L	2.048390	31.88%
Sb 217.584†	-33.1	-22.4893 ug/L	0.78394	-22.4893 ug/L	0.78394	3.49%
Se 196.026†	-16.2	-30.2631 ug/L	14.95035	-30.2631 ug/L	14.95035	49.40%
Si 251.611†	49404.9	5364.06 ug/L	2.355	5364.06 ug/L	2.355	0.04%
Sn 189.927†	-76.4	-34.0428 ug/L	3.84157	-34.0428 ug/L	3.84157	11.28%
Sr 407.771†	120710.0	152.843 ug/L	0.6582	152.843 ug/L	0.6582	0.43%
Ti 334.940†	386.7	23.4647 ug/L	0.42910	23.4647 ug/L	0.42910	1.83%
Tl 190.801†	-6.6	-5.56068 ug/L	6.387520	-5.56068 ug/L	6.387520	114.87%
V 292.395†	45.4	1.18323 ug/L	0.318044	1.18323 ug/L	0.318044	26.88%
Zn 206.200†	310.7	41.7942 ug/L	0.09482	41.7942 ug/L	0.09482	0.23%

Sequence No.: 36
Sample ID: 10001177-11
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 36
Date Collected: 1/19/2010 2:43:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 10001177-11

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	135719.0	135719.0	98.9434	%			14:44:12
1	Al 396.153†	1437.2	1271.2	399.055	ug/L	399.055	ug/L	14:44:32
1	Ba 455.398†	31546.0	31894.5	107.178	ug/L	107.178	ug/L	14:44:12
1	Ca 315.887†	124763.2	125967.2	92.3793	mg/L	92.3793	mg/L	14:44:12
1	Fe 238.204†	8491.3	8546.9	3693.67	ug/L	3693.67	ug/L	14:44:32
1	K 766.490	2276.5	2220.9	3.01598	mg/L	3.01598	mg/L	14:44:32
1	Li 670.784†	198.3	231.2	6.84456	ug/L	6.84456	ug/L	14:44:32
1	Mg 279.071†	12718.3	12840.0	27.0816	mg/L	27.0816	mg/L	14:44:32
1	Na 589.592†	451867.5	456195.5	64.1501	mg/L	64.1501	mg/L	14:44:12
1	Sr 407.771†	126016.6	127065.5	160.819	ug/L	160.819	ug/L	14:44:12
1	Ti 334.940†	241.7	253.1	14.4809	ug/L	14.4809	ug/L	14:44:32
1	Y 360.076	218032.7	218032.7	97.8254	%			14:45:04
1	Ag 328.068†	124.7	-55.6	0.263070	ug/L	0.263070	ug/L	14:45:24
1	As 188.979†	-10.2	15.9	22.0884	ug/L	22.0884	ug/L	14:45:24
1	B 249.677†	1010.0	725.9	41.6449	ug/L	41.6449	ug/L	14:45:24
1	Be 234.861†	-503.3	216.9	-0.0075432	ug/L	-0.0075432	ug/L	14:45:04
1	Cd 214.437†	407.7	29.5	-0.215502	ug/L	-0.215502	ug/L	14:45:24
1	Ce 413.764†	850.1	60.2	1.81517	ug/L	1.81517	ug/L	14:45:04
1	Co 228.616†	-62.5	11.0	0.714786	ug/L	0.714786	ug/L	14:45:24
1	Cr 205.557†	18.6	43.0	3.47411	ug/L	3.47411	ug/L	14:45:24
1	Cu 327.397†	20.9	81.0	3.04952	ug/L	3.04952	ug/L	14:45:04
1	Mn 257.610†	85517.5	87244.8	717.673	ug/L	717.673	ug/L	14:45:04
1	Mo 202.031†	192.2	108.1	14.7709	ug/L	14.7709	ug/L	14:45:24
1	Ni 231.604†	404.9	49.4	4.11194	ug/L	4.11194	ug/L	14:45:24
1	Pb 220.353†	47.5	21.8	13.1843	ug/L	13.1843	ug/L	14:45:24
1	Sb 217.584†	-69.4	-31.6	-23.0482	ug/L	-23.0482	ug/L	14:45:24
1	Se 196.026†	-49.6	-17.0	-33.1371	ug/L	-33.1371	ug/L	14:45:24
1	Si 251.611†	57875.9	58950.9	6404.96	ug/L	6404.96	ug/L	14:45:04
1	Sn 189.927†	-70.8	-76.7	-33.3195	ug/L	-33.3195	ug/L	14:45:24
1	Tl 190.801†	-47.1	-11.4	-12.5089	ug/L	-12.5089	ug/L	14:45:24
1	V 292.395†	-1311.5	7.7	0.303961	ug/L	0.303961	ug/L	14:45:24
1	Zn 206.200†	199.8	275.1	36.6694	ug/L	36.6694	ug/L	14:45:24
2	Sc 357.234	136201.1	136201.1	99.2949	%			14:44:37

2	Al 396.153†	1446.3	1275.2	400.367 ug/L	400.367 ug/L	14:44:57
2	Ba 455.398†	31814.1	32051.8	107.705 ug/L	107.705 ug/L	14:44:37
2	Ca 315.887†	125728.1	126492.5	92.7646 mg/L	92.7646 mg/L	14:44:37
2	Fe 238.204†	8543.4	8569.0	3703.22 ug/L	3703.22 ug/L	14:44:57
2	K 766.490	2275.5	2219.8	3.01458 mg/L	3.01458 mg/L	14:44:57
2	Li 670.784†	185.8	217.9	6.50654 ug/L	6.50654 ug/L	14:44:57
2	Mg 279.071†	12775.2	12851.9	27.1066 mg/L	27.1066 mg/L	14:44:57
2	Na 589.592†	454918.5	457651.6	64.3549 mg/L	64.3549 mg/L	14:44:37
2	Sr 407.771†	126889.0	127493.3	161.355 ug/L	161.355 ug/L	14:44:37
2	Ti 334.940†	253.5	264.2	15.2237 ug/L	15.2237 ug/L	14:44:57
2	Y 360.076	218738.4	218738.4	98.1421 %		14:45:29
2	Ag 328.068†	101.0	-80.2	-0.174973 ug/L	-0.174973 ug/L	14:45:49
2	As 188.979†	-27.4	-1.6	-11.6237 ug/L	-11.6237 ug/L	14:45:49
2	B 249.677†	1033.9	746.9	42.8935 ug/L	42.8935 ug/L	14:45:49
2	Be 234.861†	-545.8	175.4	-0.254652 ug/L	-0.254652 ug/L	14:45:29
2	Cd 214.437†	398.8	19.1	-0.752556 ug/L	-0.752556 ug/L	14:45:49
2	Ce 413.764†	849.4	56.6	1.70807 ug/L	1.70807 ug/L	14:45:29
2	Co 228.616†	-63.4	10.3	0.577074 ug/L	0.577074 ug/L	14:45:49
2	Cr 205.557†	20.2	44.5	3.63856 ug/L	3.63856 ug/L	14:45:49
2	Cu 327.397†	14.2	74.0	2.83286 ug/L	2.83286 ug/L	14:45:29
2	Mn 257.610†	85880.1	87332.2	718.394 ug/L	718.394 ug/L	14:45:29
2	Mo 202.031†	197.7	113.1	15.5150 ug/L	15.5150 ug/L	14:45:49
2	Ni 231.604†	393.8	36.7	2.82067 ug/L	2.82067 ug/L	14:45:49
2	Pb 220.353†	38.1	12.0	6.06454 ug/L	6.06454 ug/L	14:45:49
2	Sb 217.584†	-74.9	-37.0	-27.7124 ug/L	-27.7124 ug/L	14:45:49
2	Se 196.026†	-50.2	-17.4	-34.4854 ug/L	-34.4854 ug/L	14:45:49
2	Si 251.611†	57964.0	58849.9	6393.93 ug/L	6393.93 ug/L	14:45:29
2	Sn 189.927†	-61.5	-67.0	-27.5995 ug/L	-27.5995 ug/L	14:45:49
2	Tl 190.801†	-40.2	-4.2	-2.18366 ug/L	-2.18366 ug/L	14:45:49
2	V 292.395†	-1316.5	7.0	0.289580 ug/L	0.289580 ug/L	14:45:49
2	Zn 206.200†	199.9	274.6	36.5927 ug/L	36.5927 ug/L	14:45:49

Mean Data: 10001177-11

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	135960.0	99.1192	%	0.24854				0.25%
Y 360.076	218385.5	97.9838	%	0.22389				0.23%
Ag 328.068†	-67.9	0.0440484	ug/L	0.30974276	0.0440484	ug/L	0.30974276	703.19%
Al 396.153†	1273.2	399.711	ug/L	0.9276	399.711	ug/L	0.9276	0.23%
As 188.979†	7.2	5.23237	ug/L	23.838009	5.23237	ug/L	23.838009	455.59%
B 249.677†	736.4	42.2692	ug/L	0.88288	42.2692	ug/L	0.88288	2.09%
Ba 455.398†	31973.2	107.442	ug/L	0.3722	107.442	ug/L	0.3722	0.35%
Be 234.861†	196.2	-0.131098	ug/L	0.1747326	-0.131098	ug/L	0.1747326	133.28%
Ca 315.887†	126229.8	92.5720	mg/L	0.27245	92.5720	mg/L	0.27245	0.29%
Cd 214.437†	24.3	-0.484029	ug/L	0.3797540	-0.484029	ug/L	0.3797540	78.46%
Ce 413.764†	58.4	1.76162	ug/L	0.075733	1.76162	ug/L	0.075733	4.30%
Co 228.616†	10.7	0.645930	ug/L	0.0973766	0.645930	ug/L	0.0973766	15.08%
Cr 205.557†	43.8	3.55633	ug/L	0.116282	3.55633	ug/L	0.116282	3.27%
Cu 327.397†	77.5	2.94119	ug/L	0.153198	2.94119	ug/L	0.153198	5.21%
Fe 238.204†	8557.9	3698.45	ug/L	6.753	3698.45	ug/L	6.753	0.18%
K 766.490	2220.3	3.01528	mg/L	0.000990	3.01528	mg/L	0.000990	0.03%
Li 670.784†	224.6	6.67555	ug/L	0.239015	6.67555	ug/L	0.239015	3.58%
Mg 279.071†	12846.0	27.0941	mg/L	0.01772	27.0941	mg/L	0.01772	0.07%
Mn 257.610†	87288.5	718.034	ug/L	0.5095	718.034	ug/L	0.5095	0.07%
Mo 202.031†	110.6	15.1429	ug/L	0.52619	15.1429	ug/L	0.52619	3.47%
Na 589.592†	456923.5	64.2525	mg/L	0.14476	64.2525	mg/L	0.14476	0.23%
Ni 231.604†	43.0	3.46631	ug/L	0.913064	3.46631	ug/L	0.913064	26.34%
Pb 220.353†	16.9	9.62441	ug/L	5.034408	9.62441	ug/L	5.034408	52.31%
Sb 217.584†	-34.3	-25.3803	ug/L	3.29805	-25.3803	ug/L	3.29805	12.99%
Se 196.026†	-17.2	-33.8112	ug/L	0.95337	-33.8112	ug/L	0.95337	2.82%
Si 251.611†	58900.4	6399.44	ug/L	7.804	6399.44	ug/L	7.804	0.12%
Sn 189.927†	-71.9	-30.4595	ug/L	4.04468	-30.4595	ug/L	4.04468	13.28%
Sr 407.771†	127279.4	161.087	ug/L	0.3796	161.087	ug/L	0.3796	0.24%
Ti 334.940†	258.7	14.8523	ug/L	0.52524	14.8523	ug/L	0.52524	3.54%
Tl 190.801†	-7.8	-7.34627	ug/L	7.301040	-7.34627	ug/L	7.301040	99.38%
V 292.395†	7.4	0.296770	ug/L	0.0101691	0.296770	ug/L	0.0101691	3.43%
Zn 206.200†	274.8	36.6311	ug/L	0.05428	36.6311	ug/L	0.05428	0.15%

Sequence No.: 37 **Autosampler Location: 4**

Sample ID: 0A19026-CCV
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 1/19/2010 2:47:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A19026-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	138457.9	138457.9	100.940	%			14:48:09
1	Al 396.153†	8543.7	8282.7	2537.32	ug/L	2537.32	ug/L	14:48:09
1	Ba 455.398†	152478.4	151069.9	506.113	ug/L	506.113	ug/L	14:48:09
1	Ca 315.887†	7160.3	6965.2	5.09554	mg/L	5.09554	mg/L	14:48:29
1	Fe 238.204†	1227.3	1180.8	508.771	ug/L	508.771	ug/L	14:48:29
1	K 766.490	3763.9	3708.3	5.02595	mg/L	5.02595	mg/L	14:48:29
1	Li 670.784†	20010.4	19854.8	508.131	ug/L	508.131	ug/L	14:48:09
1	Mg 279.071†	2467.6	2430.6	5.12585	mg/L	5.12585	mg/L	14:48:29
1	Na 589.592†	36921.2	36080.0	5.08205	mg/L	5.08205	mg/L	14:48:09
1	Sr 407.771†	406094.6	402015.4	505.847	ug/L	505.847	ug/L	14:48:09
1	Ti 334.940†	7685.9	7623.1	510.115	ug/L	510.115	ug/L	14:48:29
1	Y 360.076	221568.5	221568.5	99.4119	%			14:49:01
1	Ag 328.068†	27941.4	27923.6	502.941	ug/L	502.941	ug/L	14:49:01
1	As 188.979†	1289.2	1323.2	2537.89	ug/L	2537.89	ug/L	14:49:21
1	B 249.677†	8559.2	8303.3	489.575	ug/L	489.575	ug/L	14:49:01
1	Be 234.861†	7877.2	8655.3	50.5726	ug/L	50.5726	ug/L	14:49:21
1	Cd 214.437†	10174.6	9847.5	507.219	ug/L	507.219	ug/L	14:49:21
1	Ce 413.764†	864.4	60.6	1.73819	ug/L	1.73819	ug/L	14:49:01
1	Co 228.616†	2585.4	2675.6	508.163	ug/L	508.163	ug/L	14:49:21
1	Cr 205.557†	4730.8	4782.8	509.901	ug/L	509.901	ug/L	14:49:21
1	Cu 327.397†	15852.1	16005.4	503.553	ug/L	503.553	ug/L	14:49:01
1	Mn 257.610†	61309.7	61498.8	505.591	ug/L	505.591	ug/L	14:49:01
1	Mo 202.031†	3486.3	3418.5	512.142	ug/L	512.142	ug/L	14:49:21
1	Ni 231.604†	5370.7	5038.0	511.549	ug/L	511.549	ug/L	14:49:21
1	Pb 220.353†	713.4	690.8	500.895	ug/L	500.895	ug/L	14:49:21
1	Sb 217.584†	2873.6	2930.0	2548.48	ug/L	2548.48	ug/L	14:49:21
1	Se 196.026†	819.0	857.5	2553.82	ug/L	2553.82	ug/L	14:49:21
1	Si 251.611†	23954.8	23885.1	2567.88	ug/L	2567.88	ug/L	14:49:01
1	Sn 189.927†	4392.4	4414.1	2563.54	ug/L	2563.54	ug/L	14:49:21
1	Tl 190.801†	1724.1	1771.1	2539.28	ug/L	2539.28	ug/L	14:49:21
1	V 292.395†	17588.7	19041.2	506.597	ug/L	506.597	ug/L	14:49:01
1	Zn 206.200†	3442.6	3533.9	506.499	ug/L	506.499	ug/L	14:49:21
2	Sc 357.234	139023.8	139023.8	101.353	%			14:48:35
2	Al 396.153†	8572.5	8276.7	2535.54	ug/L	2535.54	ug/L	14:48:35
2	Ba 455.398†	152827.5	150799.5	505.208	ug/L	505.208	ug/L	14:48:35
2	Ca 315.887†	7148.3	6924.5	5.06563	mg/L	5.06563	mg/L	14:48:55
2	Fe 238.204†	1228.4	1176.9	507.101	ug/L	507.101	ug/L	14:48:55
2	K 766.490	3776.4	3720.7	5.04273	mg/L	5.04273	mg/L	14:48:55
2	Li 670.784†	20072.4	19835.3	507.634	ug/L	507.634	ug/L	14:48:35
2	Mg 279.071†	2464.9	2418.0	5.09928	mg/L	5.09928	mg/L	14:48:55
2	Na 589.592†	36936.4	35946.1	5.06323	mg/L	5.06323	mg/L	14:48:35
2	Sr 407.771†	407069.5	401339.7	504.999	ug/L	504.999	ug/L	14:48:35
2	Ti 334.940†	7647.7	7554.5	505.500	ug/L	505.500	ug/L	14:48:55
2	Y 360.076	221658.3	221658.3	99.4522	%			14:49:26
2	Ag 328.068†	28423.0	28396.4	511.451	ug/L	511.451	ug/L	14:49:26
2	As 188.979†	1292.5	1326.0	2543.35	ug/L	2543.35	ug/L	14:49:46
2	B 249.677†	8775.2	8517.0	502.262	ug/L	502.262	ug/L	14:49:26
2	Be 234.861†	7876.1	8650.9	50.5477	ug/L	50.5477	ug/L	14:49:46
2	Cd 214.437†	10169.0	9837.7	506.714	ug/L	506.714	ug/L	14:49:46
2	Ce 413.764†	810.0	5.6	0.0764311	ug/L	0.0764311	ug/L	14:49:26
2	Co 228.616†	2585.9	2675.0	508.067	ug/L	508.067	ug/L	14:49:46
2	Cr 205.557†	4712.5	4762.4	507.727	ug/L	507.727	ug/L	14:49:46
2	Cu 327.397†	16073.4	16221.4	510.336	ug/L	510.336	ug/L	14:49:26
2	Mn 257.610†	62033.1	62201.1	511.374	ug/L	511.374	ug/L	14:49:26
2	Mo 202.031†	3459.5	3390.2	507.890	ug/L	507.890	ug/L	14:49:46
2	Ni 231.604†	5365.3	5030.2	510.757	ug/L	510.757	ug/L	14:49:46
2	Pb 220.353†	718.0	695.2	504.069	ug/L	504.069	ug/L	14:49:46
2	Sb 217.584†	2876.1	2931.3	2549.64	ug/L	2549.64	ug/L	14:49:46
2	Se 196.026†	812.2	850.4	2532.52	ug/L	2532.52	ug/L	14:49:46
2	Si 251.611†	24254.5	24176.6	2599.79	ug/L	2599.79	ug/L	14:49:26
2	Sn 189.927†	4383.9	4403.7	2557.48	ug/L	2557.48	ug/L	14:49:46
2	Tl 190.801†	1725.7	1772.0	2540.56	ug/L	2540.56	ug/L	14:49:46

2	V 292.395†	17820.9	19267.5	512.510 ug/L	512.510 ug/L	14:49:26
2	Zn 206.200†	3450.3	3540.2	507.401 ug/L	507.401 ug/L	14:49:46

Mean Data: 0A19026-CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	138740.8	101.146	%	0.2917				0.29%
Y 360.076	221613.4	99.4320	%	0.02850				0.03%
Ag 328.068†	28160.0	507.196	ug/L	6.0177	507.196	ug/L	6.0177	1.19%
QC value within limits for Ag 328.068 Recovery = 101.44%								
Al 396.153†	8279.7	2536.43	ug/L	1.259	2536.43	ug/L	1.259	0.05%
QC value within limits for Al 396.153 Recovery = 101.46%								
As 188.979†	1324.6	2540.62	ug/L	3.866	2540.62	ug/L	3.866	0.15%
QC value within limits for As 188.979 Recovery = 101.62%								
B 249.677†	8410.2	495.919	ug/L	8.9712	495.919	ug/L	8.9712	1.81%
QC value within limits for B 249.677 Recovery = 99.18%								
Ba 455.398†	150934.7	505.661	ug/L	0.6400	505.661	ug/L	0.6400	0.13%
QC value within limits for Ba 455.398 Recovery = 101.13%								
Be 234.861†	8653.1	50.5602	ug/L	0.01765	50.5602	ug/L	0.01765	0.03%
QC value within limits for Be 234.861 Recovery = 101.12%								
Ca 315.887†	6944.8	5.08059	mg/L	0.021149	5.08059	mg/L	0.021149	0.42%
QC value within limits for Ca 315.887 Recovery = 101.61%								
Cd 214.437†	9842.6	506.967	ug/L	0.3573	506.967	ug/L	0.3573	0.07%
QC value within limits for Cd 214.437 Recovery = 101.39%								
Ce 413.764†	33.1	0.907313	ug/L	1.1750444	0.907313	ug/L	1.1750444	129.51%
Co 228.616†	2675.3	508.115	ug/L	0.0682	508.115	ug/L	0.0682	0.01%
QC value within limits for Co 228.616 Recovery = 101.62%								
Cr 205.557†	4772.6	508.814	ug/L	1.5369	508.814	ug/L	1.5369	0.30%
QC value within limits for Cr 205.557 Recovery = 101.76%								
Cu 327.397†	16113.4	506.944	ug/L	4.7964	506.944	ug/L	4.7964	0.95%
QC value within limits for Cu 327.397 Recovery = 101.39%								
Fe 238.204†	1178.8	507.936	ug/L	1.1803	507.936	ug/L	1.1803	0.23%
QC value within limits for Fe 238.204 Recovery = 101.59%								
K 766.490	3714.5	5.03434	mg/L	0.011865	5.03434	mg/L	0.011865	0.24%
QC value within limits for K 766.490 Recovery = 100.69%								
Li 670.784†	19845.0	507.883	ug/L	0.3519	507.883	ug/L	0.3519	0.07%
QC value within limits for Li 670.784 Recovery = 101.58%								
Mg 279.071†	2424.3	5.11256	mg/L	0.018783	5.11256	mg/L	0.018783	0.37%
QC value within limits for Mg 279.071 Recovery = 102.25%								
Mn 257.610†	61849.9	508.483	ug/L	4.0887	508.483	ug/L	4.0887	0.80%
QC value within limits for Mn 257.610 Recovery = 101.70%								
Mo 202.031†	3404.4	510.016	ug/L	3.0071	510.016	ug/L	3.0071	0.59%
QC value within limits for Mo 202.031 Recovery = 102.00%								
Na 589.592†	36013.0	5.07264	mg/L	0.013308	5.07264	mg/L	0.013308	0.26%
QC value within limits for Na 589.592 Recovery = 101.45%								
Ni 231.604†	5034.1	511.153	ug/L	0.5598	511.153	ug/L	0.5598	0.11%
QC value within limits for Ni 231.604 Recovery = 102.23%								
Pb 220.353†	693.0	502.482	ug/L	2.2443	502.482	ug/L	2.2443	0.45%
QC value within limits for Pb 220.353 Recovery = 100.50%								
Sb 217.584†	2930.6	2549.06	ug/L	0.819	2549.06	ug/L	0.819	0.03%
QC value within limits for Sb 217.584 Recovery = 101.96%								
Se 196.026†	853.9	2543.17	ug/L	15.062	2543.17	ug/L	15.062	0.59%
QC value within limits for Se 196.026 Recovery = 101.73%								
Si 251.611†	24030.8	2583.84	ug/L	22.560	2583.84	ug/L	22.560	0.87%
QC value within limits for Si 251.611 Recovery = 103.35%								
Sn 189.927†	4408.9	2560.51	ug/L	4.283	2560.51	ug/L	4.283	0.17%
QC value within limits for Sn 189.927 Recovery = 102.42%								
Sr 407.771†	401677.5	505.423	ug/L	0.5996	505.423	ug/L	0.5996	0.12%
QC value within limits for Sr 407.771 Recovery = 101.08%								
Ti 334.940†	7588.8	507.808	ug/L	3.2630	507.808	ug/L	3.2630	0.64%
QC value within limits for Ti 334.940 Recovery = 101.56%								
Tl 190.801†	1771.6	2539.92	ug/L	0.901	2539.92	ug/L	0.901	0.04%
QC value within limits for Tl 190.801 Recovery = 101.60%								
V 292.395†	19154.3	509.553	ug/L	4.1813	509.553	ug/L	4.1813	0.82%
QC value within limits for V 292.395 Recovery = 101.91%								
Zn 206.200†	3537.0	506.950	ug/L	0.6373	506.950	ug/L	0.6373	0.13%
QC value within limits for Zn 206.200 Recovery = 101.39%								

All analyte(s) passed QC.

Sequence No.: 38
Sample ID: 0A19026-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 1/19/2010 2:50:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0A19026-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	136159.8	136159.8	99.2647	%			14:52:05
1	Al 396.153†	207.6	27.8	-6.01302	ug/L	-6.01302	ug/L	14:52:05
1	Ba 455.398†	43.4	55.4	0.598130	ug/L	0.598130	ug/L	14:52:05
1	Ca 315.887†	153.2	25.9	0.0058080	mg/L	0.0058080	mg/L	14:52:25
1	Fe 238.204†	43.0	8.2	2.27599	ug/L	2.27599	ug/L	14:52:25
1	K 766.490	41.7	-14.0	-0.0040502	mg/L	-0.0040502	mg/L	14:52:05
1	Li 670.784†	-36.2	-5.7	0.793513	ug/L	0.793513	ug/L	14:52:05
1	Mg 279.071†	10.9	-3.1	-0.0072505	mg/L	-0.0072505	mg/L	14:52:25
1	Na 589.592†	553.3	60.0	0.0176583	mg/L	0.0176583	mg/L	14:52:05
1	Sr 407.771†	395.3	101.4	1.49428	ug/L	1.49428	ug/L	14:52:05
1	Ti 334.940†	-1.5	7.3	-2.05096	ug/L	-2.05096	ug/L	14:52:25
1	Y 360.076	219355.0	219355.0	98.4187	%			14:52:56
1	Ag 328.068†	136.4	-44.5	-1.07639	ug/L	-1.07639	ug/L	14:52:56
1	As 188.979†	-19.7	6.3	3.80171	ug/L	3.80171	ug/L	14:53:16
1	B 249.677†	319.3	17.9	-0.777940	ug/L	-0.777940	ug/L	14:53:16
1	Be 234.861†	-732.4	-12.7	-0.111226	ug/L	-0.111226	ug/L	14:53:16
1	Cd 214.437†	385.3	4.1	-0.819844	ug/L	-0.819844	ug/L	14:53:16
1	Ce 413.764†	830.6	35.0	1.06064	ug/L	1.06064	ug/L	14:52:56
1	Co 228.616†	-73.8	-0.1	-1.24978	ug/L	-1.24978	ug/L	14:53:16
1	Cr 205.557†	-24.7	-1.1	-1.46548	ug/L	-1.46548	ug/L	14:53:16
1	Cu 327.397†	-74.3	-15.9	-0.0025747	ug/L	-0.0025747	ug/L	14:52:56
1	Mn 257.610†	194.4	23.8	-0.539691	ug/L	-0.539691	ug/L	14:53:16
1	Mo 202.031†	87.4	0.4	-1.41141	ug/L	-1.41141	ug/L	14:53:16
1	Ni 231.604†	361.5	2.7	-0.659594	ug/L	-0.659594	ug/L	14:53:16
1	Pb 220.353†	38.2	12.0	6.07846	ug/L	6.07846	ug/L	14:53:16
1	Sb 217.584†	-46.3	-7.7	-13.2923	ug/L	-13.2923	ug/L	14:53:16
1	Se 196.026†	-36.9	-3.7	1.71426	ug/L	1.71426	ug/L	14:53:16
1	Si 251.611†	344.4	138.5	-7.95559	ug/L	-7.95559	ug/L	14:53:16
1	Sn 189.927†	13.5	9.4	-3.30131	ug/L	-3.30131	ug/L	14:53:16
1	Tl 190.801†	-32.3	4.0	9.36804	ug/L	9.36804	ug/L	14:53:16
1	V 292.395†	-1299.4	28.2	1.35720	ug/L	1.35720	ug/L	14:52:56
1	Zn 206.200†	-68.7	1.1	-1.83220	ug/L	-1.83220	ug/L	14:53:16
2	Sc 357.234	135528.8	135528.8	98.8048	%			14:52:30
2	Al 396.153†	190.4	11.3	-11.1064	ug/L	-11.1064	ug/L	14:52:30
2	Ba 455.398†	15.7	27.6	0.504965	ug/L	0.504965	ug/L	14:52:30
2	Ca 315.887†	156.1	29.6	0.0084620	mg/L	0.0084620	mg/L	14:52:50
2	Fe 238.204†	38.0	3.4	0.210074	ug/L	0.210074	ug/L	14:52:50
2	K 766.490	66.3	10.6	0.0292587	mg/L	0.0292587	mg/L	14:52:30
2	Li 670.784†	-24.5	6.0	1.09252	ug/L	1.09252	ug/L	14:52:30
2	Mg 279.071†	13.2	-0.7	-0.0022296	mg/L	-0.0022296	mg/L	14:52:50
2	Na 589.592†	565.3	74.8	0.0197365	mg/L	0.0197365	mg/L	14:52:30
2	Sr 407.771†	307.5	14.4	1.38513	ug/L	1.38513	ug/L	14:52:30
2	Ti 334.940†	-10.7	-2.0	-2.67647	ug/L	-2.67647	ug/L	14:52:50
2	Y 360.076	218621.9	218621.9	98.0898	%			14:53:21
2	Ag 328.068†	138.8	-41.6	-1.02234	ug/L	-1.02234	ug/L	14:53:21
2	As 188.979†	-22.1	3.7	-1.22671	ug/L	-1.22671	ug/L	14:53:41
2	B 249.677†	322.2	22.0	-0.528536	ug/L	-0.528536	ug/L	14:53:41
2	Be 234.861†	-727.0	-9.7	-0.0927634	ug/L	-0.0927634	ug/L	14:53:41
2	Cd 214.437†	388.7	9.0	-0.569938	ug/L	-0.569938	ug/L	14:53:41
2	Ce 413.764†	849.0	56.7	1.71656	ug/L	1.71656	ug/L	14:53:21
2	Co 228.616†	-82.3	-9.0	-2.94713	ug/L	-2.94713	ug/L	14:53:41
2	Cr 205.557†	-19.1	4.5	-0.867252	ug/L	-0.867252	ug/L	14:53:41
2	Cu 327.397†	-63.6	-5.3	0.332009	ug/L	0.332009	ug/L	14:53:21
2	Mn 257.610†	180.9	10.8	-0.647455	ug/L	-0.647455	ug/L	14:53:41
2	Mo 202.031†	94.6	8.1	-0.262419	ug/L	-0.262419	ug/L	14:53:41
2	Ni 231.604†	372.7	15.4	0.631542	ug/L	0.631542	ug/L	14:53:41
2	Pb 220.353†	32.2	6.0	1.63545	ug/L	1.63545	ug/L	14:53:41
2	Sb 217.584†	-35.8	2.8	-4.14540	ug/L	-4.14540	ug/L	14:53:41
2	Se 196.026†	-32.9	0.2	13.3458	ug/L	13.3458	ug/L	14:53:41
2	Si 251.611†	331.6	126.5	-9.24238	ug/L	-9.24238	ug/L	14:53:41
2	Sn 189.927†	5.4	1.2	-8.11094	ug/L	-8.11094	ug/L	14:53:41

2	Tl 190.801†	-39.8	-3.8	-1.83383 ug/L	-1.83383 ug/L	14:53:41
2	V 292.395†	-1316.6	6.2	0.790808 ug/L	0.790808 ug/L	14:53:21
2	Zn 206.200†	-61.9	7.8	-0.858195 ug/L	-0.858195 ug/L	14:53:41

Mean Data: 0A19026-CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	135844.3	99.0347	%	0.32527				0.33%
Y 360.076	218988.4	98.2543	%	0.23259				0.24%
Ag 328.068†	-43.1	-1.04937	ug/L	0.038219	-1.04937	ug/L	0.038219	3.64%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	19.5	-8.55972	ug/L	3.601575	-8.55972	ug/L	3.601575	42.08%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	5.0	1.28750	ug/L	3.555635	1.28750	ug/L	3.555635	276.17%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	19.9	-0.653238	ug/L	0.1763549	-0.653238	ug/L	0.1763549	27.00%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	41.5	0.551548	ug/L	0.0658780	0.551548	ug/L	0.0658780	11.94%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	-11.2	-0.101995	ug/L	0.0130550	-0.101995	ug/L	0.0130550	12.80%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	27.7	0.0071350	mg/L	0.00187667	0.0071350	mg/L	0.00187667	26.30%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	6.6	-0.694891	ug/L	0.1767102	-0.694891	ug/L	0.1767102	25.43%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	45.9	1.38860	ug/L	0.463806	1.38860	ug/L	0.463806	33.40%
Co 228.616†	-4.6	-2.09846	ug/L	1.200204	-2.09846	ug/L	1.200204	57.19%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	1.7	-1.16637	ug/L	0.423014	-1.16637	ug/L	0.423014	36.27%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	-10.6	0.164717	ug/L	0.2365866	0.164717	ug/L	0.2365866	143.63%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	5.8	1.24303	ug/L	1.460824	1.24303	ug/L	1.460824	117.52%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	-1.7	0.0126043	mg/L	0.02355294	0.0126043	mg/L	0.02355294	186.86%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	0.1	0.943019	ug/L	0.2114325	0.943019	ug/L	0.2114325	22.42%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	-1.9	-0.0047400	mg/L	0.00355027	-0.0047400	mg/L	0.00355027	74.90%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	17.3	-0.593573	ug/L	0.0762013	-0.593573	ug/L	0.0762013	12.84%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	4.3	-0.836915	ug/L	0.8124602	-0.836915	ug/L	0.8124602	97.08%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	67.4	0.0186974	mg/L	0.00146951	0.0186974	mg/L	0.00146951	7.86%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	9.0	-0.0140260	ug/L	0.91297111	-0.0140260	ug/L	0.91297111	>999.9%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	9.0	3.85695	ug/L	3.141681	3.85695	ug/L	3.141681	81.46%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	-2.4	-8.71884	ug/L	6.467825	-8.71884	ug/L	6.467825	74.18%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	-1.8	7.53002	ug/L	8.224733	7.53002	ug/L	8.224733	109.23%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	132.5	-8.59899	ug/L	0.909902	-8.59899	ug/L	0.909902	10.58%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	5.3	-5.70612	ug/L	3.400926	-5.70612	ug/L	3.400926	59.60%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	57.9	1.43971	ug/L	0.077187	1.43971	ug/L	0.077187	5.36%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	2.7	-2.36371	ug/L	0.442298	-2.36371	ug/L	0.442298	18.71%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	0.1	3.76711	ug/L	7.920922	3.76711	ug/L	7.920922	210.27%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	17.2	1.07400	ug/L	0.400497	1.07400	ug/L	0.400497	37.29%
QC value within limits for V 292.395 Recovery = Not calculated								
Zn 206.200†	4.4	-1.34520	ug/L	0.688726	-1.34520	ug/L	0.688726	51.20%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Analytical Sequence
Method: Aqueous_6010C_311

Seq.	Loc.	ID	Status
1	1	0A19026-CAL1	Applied
2	2	0A19026-CAL2	Applied
3	3	0A19026-CAL3	Applied
4	4	0A19026-CAL4	Applied
5	5	0A19026-CAL5	Applied
6	9	0A19026-SCV	QC Failed
7	1	0A19026-CCB	QC Passed
8	10	0A19026-CRL1	QC Passed
9	11	0A19026-IFA1	QC Passed
10	12	0A19026-IFA2	QC Passed
11	13	0A19026-IFB1	QC Passed
12	14	0A19026-IFB2	QC Passed
13	4	0A19026-CCV	QC Passed
14	1	0A19026-CCB	QC Passed
15	17	1000383-BLK1	Analyzed
16	18	1000383-BS1	Analyzed
17	19	1001142-01	Analyzed
18	20	1001177-06	Analyzed
19	21	1000383-MS1	Analyzed
20	22	1000383-MSD1	Analyzed
21	23	0A19026-SRD1	Analyzed
22	24	1000383-PS1	Analyzed
23	25	10001177-08	Analyzed
24	26	10001177-10	Analyzed
25	4	0A19026-CCV	QC Passed
26	1	0A19026-CCB	QC Passed
27	27	1000384-BLK1	Analyzed
28	28	1000384-BS1	Analyzed
29	29	1001142-01	Analyzed
30	30	1001177-07	Analyzed
31	31	1000384-MS1	Analyzed
32	32	1000384-MSD1	Analyzed
33	33	0A19026-SRD2	Analyzed
34	34	1000384-PS1	Analyzed
35	35	10001177-09	Analyzed
36	36	10001177-11	Analyzed
37	4	0A19026-CCV	QC Passed
38	1	0A19026-CCB	QC Passed

Analysis Begun

Start Time: 1/19/2010 2:54:06 PM **Plasma On Time: 1/19/2010 6:55:28 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\0A19026.sif
Batch ID:
Results Data Set: 0A19026
Results Library: C:\pe\analystME\Results\Results.mdb

Sequence No.: 1 **Autosampler Location: 9**
Sample ID: 0A19026-SCV **Date Collected: 1/19/2010 2:54:07 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
User canceled analysis.

Analysis Begun

Start Time: 1/19/2010 2:54:41 PM **Plasma On Time: 1/19/2010 6:55:28 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\0A19026.sif
Batch ID:
Results Data Set: 0A19026
Results Library: C:\pe\analystME\Results\Results.mdb

Sequence No.: 10 **Autosampler Location: 27**
Sample ID: 1000384-BLK1 **Date Collected: 1/19/2010 2:54:41 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1000384-BLK1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	139343.9	139343.9	101.586	%			14:55:46
1	Al 396.153†	184.4	0.2	-14.5579	ug/L	-14.5579	ug/L	14:55:46
1	Ba 455.398†	24.9	36.2	0.533846	ug/L	0.533846	ug/L	14:55:46
1	Ca 315.887†	213.7	82.0	0.0469014	mg/L	0.0469014	mg/L	14:56:06
1	Fe 238.204†	77.1	40.7	16.3654	ug/L	16.3654	ug/L	14:56:06
1	K 766.490	27.2	-28.4	-0.0235286	mg/L	-0.0235286	mg/L	14:55:46
1	Li 670.784†	-31.8	-0.5	0.926010	ug/L	0.926010	ug/L	14:55:46
1	Mg 279.071†	11.5	-2.7	-0.0065001	mg/L	-0.0065001	mg/L	14:56:06
1	Na 589.592†	537.1	31.3	0.0136194	mg/L	0.0136194	mg/L	14:55:46
1	Sr 407.771†	247.5	-53.2	1.30033	ug/L	1.30033	ug/L	14:55:46
1	Ti 334.940†	-4.7	4.2	-2.26047	ug/L	-2.26047	ug/L	14:56:06
1	Y 360.076	221231.8	221231.8	99.2608	%			14:56:38
1	Ag 328.068†	180.0	-1.8	-0.295525	ug/L	-0.295525	ug/L	14:56:38
1	As 188.979†	-27.2	-1.1	-10.5179	ug/L	-10.5179	ug/L	14:56:58
1	B 249.677†	278.4	-26.0	-3.38173	ug/L	-3.38173	ug/L	14:56:58
1	Be 234.861†	-747.7	-21.8	-0.169319	ug/L	-0.169319	ug/L	14:56:58
1	Cd 214.437†	394.7	10.3	-0.502802	ug/L	-0.502802	ug/L	14:56:58
1	Ce 413.764†	898.4	96.2	2.91193	ug/L	2.91193	ug/L	14:56:38
1	Co 228.616†	-74.0	0.3	-1.16163	ug/L	-1.16163	ug/L	14:56:58
1	Cr 205.557†	-25.7	-1.9	-1.55678	ug/L	-1.55678	ug/L	14:56:58
1	Cu 327.397†	-59.2	-0.1	0.494237	ug/L	0.494237	ug/L	14:56:38
1	Mn 257.610†	199.2	27.0	-0.513260	ug/L	-0.513260	ug/L	14:56:58
1	Mo 202.031†	99.1	11.5	0.250671	ug/L	0.250671	ug/L	14:56:58
1	Ni 231.604†	381.5	19.8	1.07686	ug/L	1.07686	ug/L	14:56:58
1	Pb 220.353†	34.1	7.6	2.79866	ug/L	2.79866	ug/L	14:56:58
1	Sb 217.584†	-46.5	-7.5	-13.1161	ug/L	-13.1161	ug/L	14:56:58
1	Se 196.026†	-42.5	-9.1	-14.1761	ug/L	-14.1761	ug/L	14:56:58

1	Si 251.611†	404.3	195.9	-1.69081 ug/L	-1.69081 ug/L	14:56:58
1	Sn 189.927†	7.8	3.5	-6.72409 ug/L	-6.72409 ug/L	14:56:58
1	Tl 190.801†	-42.8	-6.3	-5.39590 ug/L	-5.39590 ug/L	14:56:58
1	V 292.395†	-1339.1	-0.6	0.613627 ug/L	0.613627 ug/L	14:56:38
1	Zn 206.200†	-38.4	32.2	2.64743 ug/L	2.64743 ug/L	14:56:58
2	Sc 357.234	138609.3	138609.3	101.051 %		14:56:11
2	Al 396.153†	155.7	-27.3	-23.0056 ug/L	-23.0056 ug/L	14:56:11
2	Ba 455.398†	-18.4	-6.5	0.391003 ug/L	0.391003 ug/L	14:56:11
2	Ca 315.887†	213.3	82.7	0.0474398 mg/L	0.0474398 mg/L	14:56:31
2	Fe 238.204†	78.6	42.6	17.1832 ug/L	17.1832 ug/L	14:56:31
2	K 766.490	71.0	15.4	0.0356384 mg/L	0.0356384 mg/L	14:56:11
2	Li 670.784†	-0.2	30.6	1.72099 ug/L	1.72099 ug/L	14:56:11
2	Mg 279.071†	14.6	0.4	0.0000925 mg/L	0.0000925 mg/L	14:56:31
2	Na 589.592†	540.5	37.6	0.0144975 mg/L	0.0144975 mg/L	14:56:11
2	Sr 407.771†	253.2	-46.2	1.30903 ug/L	1.30903 ug/L	14:56:11
2	Ti 334.940†	-2.7	6.2	-2.12602 ug/L	-2.12602 ug/L	14:56:31
2	Y 360.076	221944.6	221944.6	99.5806 %		14:57:03
2	Ag 328.068†	249.6	67.5	0.940128 ug/L	0.940128 ug/L	14:57:03
2	As 188.979†	-28.8	-2.6	-13.4662 ug/L	-13.4662 ug/L	14:57:23
2	B 249.677†	279.9	-25.4	-3.34722 ug/L	-3.34722 ug/L	14:57:23
2	Be 234.861†	-749.4	-21.1	-0.165303 ug/L	-0.165303 ug/L	14:57:23
2	Cd 214.437†	400.9	15.2	-0.247960 ug/L	-0.247960 ug/L	14:57:23
2	Ce 413.764†	816.2	10.7	0.325316 ug/L	0.325316 ug/L	14:57:03
2	Co 228.616†	-74.8	-0.2	-1.26690 ug/L	-1.26690 ug/L	14:57:23
2	Cr 205.557†	-24.8	-0.9	-1.44915 ug/L	-1.44915 ug/L	14:57:23
2	Cu 327.397†	-74.0	-14.8	0.0320963 ug/L	0.0320963 ug/L	14:57:03
2	Mn 257.610†	207.3	34.5	-0.451396 ug/L	-0.451396 ug/L	14:57:23
2	Mo 202.031†	83.1	-4.9	-2.21755 ug/L	-2.21755 ug/L	14:57:23
2	Ni 231.604†	372.0	9.0	-0.0186924 ug/L	-0.0186924 ug/L	14:57:23
2	Pb 220.353†	27.6	0.9	-2.09350 ug/L	-2.09350 ug/L	14:57:23
2	Sb 217.584†	-43.1	-4.0	-10.0330 ug/L	-10.0330 ug/L	14:57:23
2	Se 196.026†	-38.1	-4.5	-0.678851 ug/L	-0.678851 ug/L	14:57:23
2	Si 251.611†	414.1	204.3	-0.770341 ug/L	-0.770341 ug/L	14:57:23
2	Sn 189.927†	9.4	5.1	-5.80671 ug/L	-5.80671 ug/L	14:57:23
2	Tl 190.801†	-42.5	-5.9	-4.75710 ug/L	-4.75710 ug/L	14:57:23
2	V 292.395†	-1348.6	-5.9	0.450285 ug/L	0.450285 ug/L	14:57:03
2	Zn 206.200†	-43.1	27.6	1.99139 ug/L	1.99139 ug/L	14:57:23

Mean Data: 1000384-BLK1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	138976.6	101.318	%	0.3787				0.37%
Y 360.076	221588.2	99.4207	%	0.22612				0.23%
Ag 328.068†	32.9	0.322301	ug/L	0.8737384	0.322301	ug/L	0.8737384	271.09%
Al 396.153†	-13.6	-18.7818	ug/L	5.97340	-18.7818	ug/L	5.97340	31.80%
As 188.979†	-1.8	-11.9920	ug/L	2.08477	-11.9920	ug/L	2.08477	17.38%
B 249.677†	-25.7	-3.36448	ug/L	0.024407	-3.36448	ug/L	0.024407	0.73%
Ba 455.398†	14.8	0.462424	ug/L	0.1010052	0.462424	ug/L	0.1010052	21.84%
Be 234.861†	-21.5	-0.167311	ug/L	0.0028398	-0.167311	ug/L	0.0028398	1.70%
Ca 315.887†	82.3	0.0471706	mg/L	0.00038070	0.0471706	mg/L	0.00038070	0.81%
Cd 214.437†	12.8	-0.375381	ug/L	0.1802005	-0.375381	ug/L	0.1802005	48.00%
Ce 413.764†	53.5	1.61862	ug/L	1.829010	1.61862	ug/L	1.829010	113.00%
Co 228.616†	0.1	-1.21426	ug/L	0.074440	-1.21426	ug/L	0.074440	6.13%
Cr 205.557†	-1.4	-1.50297	ug/L	0.076106	-1.50297	ug/L	0.076106	5.06%
Cu 327.397†	-7.5	0.263167	ug/L	0.3267826	0.263167	ug/L	0.3267826	124.17%
Fe 238.204†	41.7	16.7743	ug/L	0.57822	16.7743	ug/L	0.57822	3.45%
K 766.490	-6.5	0.0060549	mg/L	0.04183733	0.0060549	mg/L	0.04183733	690.97%
Li 670.784†	15.0	1.32350	ug/L	0.562136	1.32350	ug/L	0.562136	42.47%
Mg 279.071†	-1.1	-0.0032038	mg/L	0.00466167	-0.0032038	mg/L	0.00466167	145.51%
Mn 257.610†	30.7	-0.482328	ug/L	0.0437442	-0.482328	ug/L	0.0437442	9.07%
Mo 202.031†	3.3	-0.983437	ug/L	1.7452933	-0.983437	ug/L	1.7452933	177.47%
Na 589.592†	34.4	0.0140584	mg/L	0.00062093	0.0140584	mg/L	0.00062093	4.42%
Ni 231.604†	14.4	0.529083	ug/L	0.7746719	0.529083	ug/L	0.7746719	146.42%
Pb 220.353†	4.2	0.352580	ug/L	3.4592727	0.352580	ug/L	3.4592727	981.13%
Sb 217.584†	-5.8	-11.5746	ug/L	2.18008	-11.5746	ug/L	2.18008	18.84%
Se 196.026†	-6.8	-7.42748	ug/L	9.544003	-7.42748	ug/L	9.544003	128.50%
Si 251.611†	200.1	-1.23057	ug/L	0.650869	-1.23057	ug/L	0.650869	52.89%
Sn 189.927†	4.3	-6.26540	ug/L	0.648680	-6.26540	ug/L	0.648680	10.35%
Sr 407.771†	-49.7	1.30468	ug/L	0.006152	1.30468	ug/L	0.006152	0.47%
Ti 334.940†	5.2	-2.19324	ug/L	0.095067	-2.19324	ug/L	0.095067	4.33%

Tl 190.801†	-6.1	-5.07650 ug/L	0.451701	-5.07650 ug/L	0.451701	8.90%	
V 292.395†	-3.3	0.531956 ug/L	0.1154998	0.531956 ug/L	0.1154998	21.71%	
Zn 206.200†	29.9	2.31941 ug/L	0.463886	2.31941 ug/L	0.463886	20.00%	

Sequence No.: 11 **Autosampler Location: 4**
Sample ID: 0A19026-CCV **Date Collected: 1/19/2010 2:58:39 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0A19026-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	136966.8	136966.8	99.8531	%			14:59:45
1	Al 396.153†	8504.5	8335.6	2553.81	ug/L	2553.81	ug/L	14:59:45
1	Ba 455.398†	151369.3	151603.7	507.900	ug/L	507.900	ug/L	14:59:45
1	Ca 315.887†	7090.6	6972.7	5.10099	mg/L	5.10099	mg/L	15:00:05
1	Fe 238.204†	1222.4	1189.1	512.367	ug/L	512.367	ug/L	15:00:05
1	K 766.490	3743.3	3687.6	4.99802	mg/L	4.99802	mg/L	15:00:05
1	Li 670.784†	19906.9	19966.9	510.996	ug/L	510.996	ug/L	14:59:45
1	Mg 279.071†	2462.4	2451.9	5.17088	mg/L	5.17088	mg/L	15:00:05
1	Na 589.592†	36606.2	36162.7	5.09368	mg/L	5.09368	mg/L	14:59:45
1	Sr 407.771†	403263.2	403559.7	507.785	ug/L	507.785	ug/L	14:59:45
1	Ti 334.940†	7615.9	7635.9	510.975	ug/L	510.975	ug/L	15:00:05
1	Y 360.076	223188.3	223188.3	100.139	%			15:00:36
1	Ag 328.068†	28246.7	28024.4	504.754	ug/L	504.754	ug/L	15:00:36
1	As 188.979†	1288.0	1312.5	2517.41	ug/L	2517.41	ug/L	15:00:56
1	B 249.677†	8695.9	8377.3	493.974	ug/L	493.974	ug/L	15:00:36
1	Be 234.861†	7862.0	8582.5	50.1443	ug/L	50.1443	ug/L	15:00:56
1	Cd 214.437†	10149.6	9748.2	502.095	ug/L	502.095	ug/L	15:00:56
1	Ce 413.764†	835.7	25.7	0.681968	ug/L	0.681968	ug/L	15:00:36
1	Co 228.616†	2582.6	2653.9	504.026	ug/L	504.026	ug/L	15:00:56
1	Cr 205.557†	4709.5	4727.0	503.938	ug/L	503.938	ug/L	15:00:56
1	Cu 327.397†	16004.9	16042.3	504.713	ug/L	504.713	ug/L	15:00:36
1	Mn 257.610†	61813.7	61554.4	506.050	ug/L	506.050	ug/L	15:00:36
1	Mo 202.031†	3464.1	3370.9	504.988	ug/L	504.988	ug/L	15:00:56
1	Ni 231.604†	5347.0	4975.1	505.148	ug/L	505.148	ug/L	15:00:56
1	Pb 220.353†	716.3	688.4	499.182	ug/L	499.182	ug/L	15:00:56
1	Sb 217.584†	2872.0	2907.4	2528.80	ug/L	2528.80	ug/L	15:00:56
1	Se 196.026†	810.4	843.0	2510.75	ug/L	2510.75	ug/L	15:00:56
1	Si 251.611†	24034.6	23789.9	2557.48	ug/L	2557.48	ug/L	15:00:36
1	Sn 189.927†	4373.2	4362.8	2533.69	ug/L	2533.69	ug/L	15:00:56
1	Tl 190.801†	1719.0	1753.4	2514.00	ug/L	2514.00	ug/L	15:00:56
1	V 292.395†	17764.0	19087.9	507.749	ug/L	507.749	ug/L	15:00:36
1	Zn 206.200†	3440.3	3506.4	502.537	ug/L	502.537	ug/L	15:00:56
2	Sc 357.234	138755.0	138755.0	101.157	%			15:00:10
2	Al 396.153†	8564.6	8285.2	2538.26	ug/L	2538.26	ug/L	15:00:10
2	Ba 455.398†	153298.2	151556.9	507.743	ug/L	507.743	ug/L	15:00:10
2	Ca 315.887†	7113.3	6903.6	5.05031	mg/L	5.05031	mg/L	15:00:30
2	Fe 238.204†	1212.6	1163.6	501.351	ug/L	501.351	ug/L	15:00:30
2	K 766.490	3743.0	3687.3	4.99760	mg/L	4.99760	mg/L	15:00:30
2	Li 670.784†	20138.1	19938.6	510.273	ug/L	510.273	ug/L	15:00:10
2	Mg 279.071†	2459.2	2417.1	5.09733	mg/L	5.09733	mg/L	15:00:30
2	Na 589.592†	36916.4	35996.9	5.07037	mg/L	5.07037	mg/L	15:00:10
2	Sr 407.771†	408322.7	403356.6	507.530	ug/L	507.530	ug/L	15:00:10
2	Ti 334.940†	7630.0	7551.6	505.306	ug/L	505.306	ug/L	15:00:30
2	Y 360.076	223721.4	223721.4	100.378	%			15:01:01
2	Ag 328.068†	28098.8	27810.0	500.883	ug/L	500.883	ug/L	15:01:01
2	As 188.979†	1295.3	1316.8	2525.61	ug/L	2525.61	ug/L	15:01:21
2	B 249.677†	8703.8	8364.5	493.226	ug/L	493.226	ug/L	15:01:01
2	Be 234.861†	7834.9	8536.8	49.8799	ug/L	49.8799	ug/L	15:01:21
2	Cd 214.437†	10145.1	9719.6	500.617	ug/L	500.617	ug/L	15:01:21
2	Ce 413.764†	810.0	-1.9	-0.151594	ug/L	-0.151594	ug/L	15:01:01
2	Co 228.616†	2572.5	2637.7	500.941	ug/L	500.941	ug/L	15:01:21
2	Cr 205.557†	4696.7	4703.1	501.379	ug/L	501.379	ug/L	15:01:21
2	Cu 327.397†	15895.9	15895.7	500.103	ug/L	500.103	ug/L	15:01:01
2	Mn 257.610†	61595.1	61189.6	503.046	ug/L	503.046	ug/L	15:01:01
2	Mo 202.031†	3459.4	3358.0	503.046	ug/L	503.046	ug/L	15:01:21
2	Ni 231.604†	5345.0	4960.3	503.649	ug/L	503.649	ug/L	15:01:21

2	Pb 220.353†	720.9	691.4	501.318 ug/L	501.318 ug/L	15:01:21
2	Sb 217.584†	2858.8	2887.4	2511.36 ug/L	2511.36 ug/L	15:01:21
2	Se 196.026†	802.9	833.6	2482.96 ug/L	2482.96 ug/L	15:01:21
2	Si 251.611†	23956.4	23654.7	2542.89 ug/L	2542.89 ug/L	15:01:01
2	Sn 189.927†	4370.8	4350.0	2526.21 ug/L	2526.21 ug/L	15:01:21
2	Tl 190.801†	1721.0	1751.3	2511.02 ug/L	2511.02 ug/L	15:01:21
2	V 292.395†	17664.2	18946.1	504.005 ug/L	504.005 ug/L	15:01:01
2	Zn 206.200†	3431.3	3489.3	500.079 ug/L	500.079 ug/L	15:01:21

Mean Data: 0A19026-CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	137860.9	100.505	%	0.9218				0.92%
Y 360.076	223454.9	100.258	%	0.1691				0.17%
Ag 328.068†	27917.2	502.819	ug/L	2.7366	502.819	ug/L	2.7366	0.54%
QC value within limits for Ag 328.068 Recovery = 100.56%								
Al 396.153†	8310.4	2546.03	ug/L	10.995	2546.03	ug/L	10.995	0.43%
QC value within limits for Al 396.153 Recovery = 101.84%								
As 188.979†	1314.6	2521.51	ug/L	5.796	2521.51	ug/L	5.796	0.23%
QC value within limits for As 188.979 Recovery = 100.86%								
B 249.677†	8370.9	493.600	ug/L	0.5293	493.600	ug/L	0.5293	0.11%
QC value within limits for B 249.677 Recovery = 98.72%								
Ba 455.398†	151580.3	507.822	ug/L	0.1106	507.822	ug/L	0.1106	0.02%
QC value within limits for Ba 455.398 Recovery = 101.56%								
Be 234.861†	8559.7	50.0121	ug/L	0.18701	50.0121	ug/L	0.18701	0.37%
QC value within limits for Be 234.861 Recovery = 100.02%								
Ca 315.887†	6938.1	5.07565	mg/L	0.035837	5.07565	mg/L	0.035837	0.71%
QC value within limits for Ca 315.887 Recovery = 101.51%								
Cd 214.437†	9733.9	501.356	ug/L	1.0449	501.356	ug/L	1.0449	0.21%
QC value within limits for Cd 214.437 Recovery = 100.27%								
Ce 413.764†	11.9	0.265187	ug/L	0.5894172	0.265187	ug/L	0.5894172	222.26%
Co 228.616†	2645.8	502.483	ug/L	2.1813	502.483	ug/L	2.1813	0.43%
QC value within limits for Co 228.616 Recovery = 100.50%								
Cr 205.557†	4715.0	502.659	ug/L	1.8091	502.659	ug/L	1.8091	0.36%
QC value within limits for Cr 205.557 Recovery = 100.53%								
Cu 327.397†	15969.0	502.408	ug/L	3.2602	502.408	ug/L	3.2602	0.65%
QC value within limits for Cu 327.397 Recovery = 100.48%								
Fe 238.204†	1176.3	506.859	ug/L	7.7897	506.859	ug/L	7.7897	1.54%
QC value within limits for Fe 238.204 Recovery = 101.37%								
K 766.490	3687.5	4.99781	mg/L	0.000299	4.99781	mg/L	0.000299	0.01%
QC value within limits for K 766.490 Recovery = 99.96%								
Li 670.784†	19952.8	510.635	ug/L	0.5111	510.635	ug/L	0.5111	0.10%
QC value within limits for Li 670.784 Recovery = 102.13%								
Mg 279.071†	2434.5	5.13410	mg/L	0.052007	5.13410	mg/L	0.052007	1.01%
QC value within limits for Mg 279.071 Recovery = 102.68%								
Mn 257.610†	61372.0	504.548	ug/L	2.1242	504.548	ug/L	2.1242	0.42%
QC value within limits for Mn 257.610 Recovery = 100.91%								
Mo 202.031†	3364.5	504.017	ug/L	1.3728	504.017	ug/L	1.3728	0.27%
QC value within limits for Mo 202.031 Recovery = 100.80%								
Na 589.592†	36079.8	5.08203	mg/L	0.016478	5.08203	mg/L	0.016478	0.32%
QC value within limits for Na 589.592 Recovery = 101.64%								
Ni 231.604†	4967.7	504.398	ug/L	1.0594	504.398	ug/L	1.0594	0.21%
QC value within limits for Ni 231.604 Recovery = 100.88%								
Pb 220.353†	689.9	500.250	ug/L	1.5106	500.250	ug/L	1.5106	0.30%
QC value within limits for Pb 220.353 Recovery = 100.05%								
Sb 217.584†	2897.4	2520.08	ug/L	12.332	2520.08	ug/L	12.332	0.49%
QC value within limits for Sb 217.584 Recovery = 100.80%								
Se 196.026†	838.3	2496.85	ug/L	19.647	2496.85	ug/L	19.647	0.79%
QC value within limits for Se 196.026 Recovery = 99.87%								
Si 251.611†	23722.3	2550.19	ug/L	10.315	2550.19	ug/L	10.315	0.40%
QC value within limits for Si 251.611 Recovery = 102.01%								
Sn 189.927†	4356.4	2529.95	ug/L	5.285	2529.95	ug/L	5.285	0.21%
QC value within limits for Sn 189.927 Recovery = 101.20%								
Sr 407.771†	403458.2	507.658	ug/L	0.1802	507.658	ug/L	0.1802	0.04%
QC value within limits for Sr 407.771 Recovery = 101.53%								
Ti 334.940†	7593.8	508.141	ug/L	4.0083	508.141	ug/L	4.0083	0.79%
QC value within limits for Ti 334.940 Recovery = 101.63%								
Tl 190.801†	1752.4	2512.51	ug/L	2.109	2512.51	ug/L	2.109	0.08%
QC value within limits for Tl 190.801 Recovery = 100.50%								
V 292.395†	19017.0	505.877	ug/L	2.6477	505.877	ug/L	2.6477	0.52%

QC value within limits for V 292.395 Recovery = 101.18%

Zn 206.200†	3497.9	501.308 ug/L	1.7381	501.308 ug/L	1.7381	0.35%

QC value within limits for Zn 206.200 Recovery = 100.26%

All analyte(s) passed QC.

Sequence No.: 12 **Autosampler Location: 1**
Sample ID: 0A19026-CCB **Date Collected: 1/19/2010 3:02:38 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0A19026-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	138791.4	138791.4	101.183	%			15:03:42
1	Al 396.153†	204.3	20.5	-8.23120	ug/L	-8.23120	ug/L	15:03:42
1	Ba 455.398†	27.7	39.1	0.543527	ug/L	0.543527	ug/L	15:03:42
1	Ca 315.887†	150.2	20.0	0.0014687	mg/L	0.0014687	mg/L	15:04:02
1	Fe 238.204†	34.7	-0.8	-1.59742	ug/L	-1.59742	ug/L	15:04:02
1	K 766.490	65.8	10.1	0.0285418	mg/L	0.0285418	mg/L	15:03:42
1	Li 670.784†	-74.9	-43.3	-0.166291	ug/L	-0.166291	ug/L	15:03:42
1	Mg 279.071†	8.4	-5.8	-0.0129924	mg/L	-0.0129924	mg/L	15:04:02
1	Na 589.592†	516.0	12.6	0.0109942	mg/L	0.0109942	mg/L	15:03:42
1	Sr 407.771†	283.4	-16.7	1.34608	ug/L	1.34608	ug/L	15:03:42
1	Ti 334.940†	-6.5	2.4	-2.37799	ug/L	-2.37799	ug/L	15:04:02
1	Y 360.076	224563.1	224563.1	100.755	%			15:04:34
1	Ag 328.068†	183.9	-0.6	-0.294274	ug/L	-0.294274	ug/L	15:04:34
1	As 188.979†	-17.4	9.1	9.03061	ug/L	9.03061	ug/L	15:04:54
1	B 249.677†	323.6	14.6	-0.972013	ug/L	-0.972013	ug/L	15:04:54
1	Be 234.861†	-719.2	17.7	0.0685622	ug/L	0.0685622	ug/L	15:04:54
1	Cd 214.437†	393.3	3.0	-0.874687	ug/L	-0.874687	ug/L	15:04:54
1	Ce 413.764†	792.9	-21.9	-0.661911	ug/L	-0.661911	ug/L	15:04:34
1	Co 228.616†	-76.8	-1.4	-1.48725	ug/L	-1.48725	ug/L	15:04:54
1	Cr 205.557†	-25.8	-1.6	-1.52642	ug/L	-1.52642	ug/L	15:04:54
1	Cu 327.397†	-47.0	12.9	0.900988	ug/L	0.900988	ug/L	15:04:34
1	Mn 257.610†	194.1	19.0	-0.579925	ug/L	-0.579925	ug/L	15:04:54
1	Mo 202.031†	83.7	-5.3	-2.27660	ug/L	-2.27660	ug/L	15:04:54
1	Ni 231.604†	359.2	-8.1	-1.75895	ug/L	-1.75895	ug/L	15:04:54
1	Pb 220.353†	33.9	6.8	2.24217	ug/L	2.24217	ug/L	15:04:54
1	Sb 217.584†	-43.6	-3.9	-10.0193	ug/L	-10.0193	ug/L	15:04:54
1	Se 196.026†	-31.2	2.7	20.7746	ug/L	20.7746	ug/L	15:04:54
1	Si 251.611†	306.6	92.8	-12.9254	ug/L	-12.9254	ug/L	15:04:54
1	Sn 189.927†	10.8	6.3	-5.09429	ug/L	-5.09429	ug/L	15:04:54
1	Tl 190.801†	-39.7	-2.6	-0.0764219	ug/L	-0.0764219	ug/L	15:04:54
1	V 292.395†	-1356.8	1.7	0.653601	ug/L	0.653601	ug/L	15:04:34
1	Zn 206.200†	-64.9	6.5	-1.05190	ug/L	-1.05190	ug/L	15:04:54
2	Sc 357.234	139726.6	139726.6	101.865	%			15:04:07
2	Al 396.153†	181.0	-3.7	-15.7161	ug/L	-15.7161	ug/L	15:04:07
2	Ba 455.398†	-4.1	7.7	0.438441	ug/L	0.438441	ug/L	15:04:07
2	Ca 315.887†	151.0	19.8	0.0013131	mg/L	0.0013131	mg/L	15:04:27
2	Fe 238.204†	41.1	5.3	1.03057	ug/L	1.03057	ug/L	15:04:27
2	K 766.490	26.9	-28.7	-0.0239343	mg/L	-0.0239343	mg/L	15:04:07
2	Li 670.784†	-5.4	25.5	1.59111	ug/L	1.59111	ug/L	15:04:07
2	Mg 279.071†	12.6	-1.7	-0.0043775	mg/L	-0.0043775	mg/L	15:04:27
2	Na 589.592†	486.0	-20.3	0.0063661	mg/L	0.0063661	mg/L	15:04:07
2	Sr 407.771†	283.1	-18.9	1.34335	ug/L	1.34335	ug/L	15:04:07
2	Ti 334.940†	-3.9	5.0	-2.20756	ug/L	-2.20756	ug/L	15:04:27
2	Y 360.076	222289.8	222289.8	99.7355	%			15:04:59
2	Ag 328.068†	165.8	-16.9	-0.575792	ug/L	-0.575792	ug/L	15:04:59
2	As 188.979†	-26.3	-0.1	-8.58168	ug/L	-8.58168	ug/L	15:05:19
2	B 249.677†	318.7	13.0	-1.06439	ug/L	-1.06439	ug/L	15:05:19
2	Be 234.861†	-725.7	3.8	-0.0135676	ug/L	-0.0135676	ug/L	15:05:19
2	Cd 214.437†	380.6	-5.7	-1.32655	ug/L	-1.32655	ug/L	15:05:19
2	Ce 413.764†	864.7	58.1	1.75852	ug/L	1.75852	ug/L	15:04:59
2	Co 228.616†	-77.7	-3.1	-1.80928	ug/L	-1.80928	ug/L	15:05:19
2	Cr 205.557†	-19.0	5.0	-0.819118	ug/L	-0.819118	ug/L	15:05:19
2	Cu 327.397†	-67.1	-7.7	0.254978	ug/L	0.254978	ug/L	15:04:59
2	Mn 257.610†	185.6	12.4	-0.633676	ug/L	-0.633676	ug/L	15:05:19
2	Mo 202.031†	82.0	-6.1	-2.39442	ug/L	-2.39442	ug/L	15:05:19

2	Ni 231.604†	353.7	-9.9	-1.94253 ug/L	-1.94253 ug/L	15:05:19
2	Pb 220.353†	39.1	12.4	6.33932 ug/L	6.33932 ug/L	15:05:19
2	Sb 217.584†	-35.9	3.3	-3.71898 ug/L	-3.71898 ug/L	15:05:19
2	Se 196.026†	-34.2	-0.5	11.1994 ug/L	11.1994 ug/L	15:05:19
2	Si 251.611†	291.1	80.4	-14.2814 ug/L	-14.2814 ug/L	15:05:19
2	Sn 189.927†	19.4	15.2	0.0386206 ug/L	0.0386206 ug/L	15:05:19
2	Tl 190.801†	-38.3	-1.6	1.37282 ug/L	1.37282 ug/L	15:05:19
2	V 292.395†	-1319.8	25.1	1.26652 ug/L	1.26652 ug/L	15:04:59
2	Zn 206.200†	-66.2	4.6	-1.33096 ug/L	-1.33096 ug/L	15:05:19

Mean Data: 0A19026-CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	139259.0	101.524	%	0.4821				0.47%
Y 360.076	223426.5	100.245	%	0.7212				0.72%
Ag 328.068†	-8.7	-0.435033	ug/L	0.1990634	-0.435033	ug/L	0.1990634	45.76%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	8.4	-11.9736	ug/L	5.29261	-11.9736	ug/L	5.29261	44.20%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	4.5	0.224465	ug/L	12.4537666	0.224465	ug/L	12.4537666	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	13.8	-1.01820	ug/L	0.065318	-1.01820	ug/L	0.065318	6.42%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	23.4	0.490984	ug/L	0.0743076	0.490984	ug/L	0.0743076	15.13%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	10.8	0.0274973	ug/L	0.05807455	0.0274973	ug/L	0.05807455	211.20%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	19.9	0.0013909	mg/L	0.00010998	0.0013909	mg/L	0.00010998	7.91%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	-1.3	-1.10062	ug/L	0.319519	-1.10062	ug/L	0.319519	29.03%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	18.1	0.548306	ug/L	1.7115062	0.548306	ug/L	1.7115062	312.14%
Co 228.616†	-2.2	-1.64827	ug/L	0.227715	-1.64827	ug/L	0.227715	13.82%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	1.7	-1.17277	ug/L	0.500141	-1.17277	ug/L	0.500141	42.65%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	2.6	0.577983	ug/L	0.4567982	0.577983	ug/L	0.4567982	79.03%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	2.3	-0.283425	ug/L	1.8582740	-0.283425	ug/L	1.8582740	655.65%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	-9.3	0.0023037	mg/L	0.03710621	0.0023037	mg/L	0.03710621	>999.9%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	-8.9	0.712410	ug/L	1.2426708	0.712410	ug/L	1.2426708	174.43%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	-3.7	-0.0086849	mg/L	0.00609164	-0.0086849	mg/L	0.00609164	70.14%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	15.7	-0.606801	ug/L	0.0380078	-0.606801	ug/L	0.0380078	6.26%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-5.7	-2.33551	ug/L	0.083308	-2.33551	ug/L	0.083308	3.57%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-3.8	0.0086802	mg/L	0.00327250	0.0086802	mg/L	0.00327250	37.70%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-9.0	-1.85074	ug/L	0.129808	-1.85074	ug/L	0.129808	7.01%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	9.6	4.29074	ug/L	2.897118	4.29074	ug/L	2.897118	67.52%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	-0.3	-6.86915	ug/L	4.455002	-6.86915	ug/L	4.455002	64.86%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	1.1	15.9870	ug/L	6.77070	15.9870	ug/L	6.77070	42.35%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	86.6	-13.6034	ug/L	0.95879	-13.6034	ug/L	0.95879	7.05%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	10.7	-2.52783	ug/L	3.629514	-2.52783	ug/L	3.629514	143.58%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	-17.8	1.34471	ug/L	0.001930	1.34471	ug/L	0.001930	0.14%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	3.7	-2.29278	ug/L	0.120507	-2.29278	ug/L	0.120507	5.26%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-2.1	0.648198	ug/L	1.0247668	0.648198	ug/L	1.0247668	158.09%
QC value within limits for Tl 190.801 Recovery = Not calculated								

V 292.395†	13.4	0.960058 ug/L	0.4333962	0.960058 ug/L	0.4333962	45.14%
QC value within limits for V 292.395 Recovery = Not calculated						
Zn 206.200†	5.5	-1.19143 ug/L	0.197327	-1.19143 ug/L	0.197327	16.56%
QC value within limits for Zn 206.200 Recovery = Not calculated						

All analyte(s) passed QC.

Analytical Sequence
Method: Aqueous_6010C_311

Seq.	Loc.	ID	Status
1	9	0A19026-SCV	
2	1	0A19026-CCB	
3	10	0A19026-CRL1	
4	11	0A19026-IFA1	
5	12	0A19026-IFA2	
6	13	0A19026-IFB1	
7	14	0A19026-IFB2	
8	4	0A19026-CCV	
9	1	0A19026-CCB	
10	27	1000384-BLK1	Analyzed
11	4	0A19026-CCV	QC Passed
12	1	0A19026-CCB	QC Passed

OPPS 1/22

Due 1-26
Calib: OA21008

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence

Instrument #: 101
Date: 1-21-10
Analyst: KW

Data File: OA21015
Calibration BLK/ICB/CCB: 5%HNO3/1109060/10%HCL/4109050
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/~~9100876~~ 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	1000389-BLK1				35/51	169			
2/18	BS1				36/52	BLK 1-20 MAS	Pb in paint		
3/19	1001142-02				37/53	BS			
4/20	03				38/54	AC-1			
5/21	04				39/55	2			
6/22	1001177-01				40/56	3			
7/23	02				41/57	4			
8/24	03				42/58	BLK 1-20 RDB	Pb in paint		
9/25	04				43/59	BS			
10/26	05				44/60	AC-1			
11/27	MS1				45/61	2			
12/28	MSD1				46/62	3			
13/29	SRD1	1	5	5	47/63	4			
14/30	PS1				48/64				
15/31	1001177-12				49/65				
16/32	13				50/66				
17/33	14				51/67				
18/34	15				52/68				
19/35	1001177-05			200	53/69				
20/36	SRD2			1000	54/70				
21/37	PS2			200	55/71				
22/38	1001177-05			10	56/72				
23/39	13 SRD3			50	57/73				
24/40	PS3			10	58/74				
25/41	BLK 1 #3 1-19				59/75				
26/42	BS				60/76				
27/43	MDL-1				61/77				
28/44	2				62/78				
29/45	3				63/79				
30/46	4				64/80				
31/47	5				65/81				
32/48	6				66/82				
33/49	7				67/83				
34/50	MDL Ver2				68/84				

Method - SOIL_6010C_101
SIF File - 0a21015

Seq #	A/S Loc	ID	Category
1	1	IS Init	IS Init.
2	1	0A12015-CAL1	Calib Blank
3	2	0A12015-CAL2	Calib Std.
4	3	0A12015-CAL3	Calib Std.
5	4	0A12015-CAL4	Calib Std.
6	5	0A12015-CAL5	Calib Std.
7	9	0A21015-SCV	QC
8	1	0A21015-CCB	QC
9	10	0A21015-CRL1	QC
10	11	0A21015-IFA1	QC
11	12	0A21015-IFA2	QC
12	13	0A21015-IFB1	QC
13	14	0A21015-IFB2	QC
14	4	0A21015-CCV	QC
15	1	0A21015-CCB	QC
16	17	1000389-BLK1	Sample
17	18	1000389-BS1	Sample
18	19	1001142-02	Sample
19	20	1001142-03	Sample
20	21	1001142-04	Sample
21	22	1001177-01	Sample
22	23	1001177-02	Sample
23	24	1001177-03	Sample
24	25	1001177-04	Sample
25	26	1001177-05	Sample
26	4	0A21015-CCV	QC
27	1	0A21015-CCB	QC
28	27	1000389-MS1	Sample
29	28	1000389-MSD1	Sample
30	29	0A21015-SRD1	Sample
31	30	1000389-PS1	Sample
32	31	1001177-12	Sample
33	32	1001177-13	Sample
34	33	1001177-14	Sample
35	34	1001177-15	Sample
36	4	0A21015-CCV	QC
37	1	0A21015-CCB	QC

Calibration Summary
Method: SOIL_6010C_101 Date: 1/21/10 9:44:32 AM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.

Method: SOIL_6010C_101 IEC: IEC-35.IEC MSF:
Results: 0A21015 Spectra Stored: Yes Method Stored: Yes
Sample Info: 0a21015 User: User1 Date: 1/21/10 9:44:32 AM
Method Description: Solid 6010C

Replicate Data
ID: IS Init Date: 1/21/10 9:45:40 AM

Repl#	Element	Net Intensity	Corrected Intensity
1	Sc 357.253	390359.3	390359.3
1	Y 360.064	236816.7	236816.7
2	Sc 357.253	389606.2	389606.2
2	Y 360.064	236471.5	236471.5

Mean Data
ID: IS Init Seq. No.: 1 A/S Pos: 1
Data: Original Date: 1/21/10 9:45:40 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD
Sc 357.253	389982.7	532.52	0.14%
Y 360.064	236644.1	244.08	0.10%

Replicate Data
ID: 0A12015-CAL1 Date: 1/21/10 9:46:31 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units
1	Sc 357.253	401473.0	401473.0	102.9	mg/L
1	Y 360.064	244653.5	244653.5	103.4	mg/L
1	Ag 328.068	-51.6	-50.1	0	mg/L
1	Al 396.140	68.9	67.0	0	mg/L
1	As 188.979	-4.6	-4.5	0	mg/L
1	B 249.773	108.5	105.4	0	mg/L
1	Ba 455.403	8564.8	8319.7	0	mg/L
1	Be 234.861	86.7	84.3	0	mg/L
1	Ca 315.887	-235.1	-228.3	0	mg/L
1	Cd 214.438	47.3	46.0	0	mg/L
1	Ce 413.765	-121.0	-117.6	0	mg/L
1	Co 228.616	-8.3	-8.0	0	mg/L
1	Cr 205.560	43.4	42.2	0	mg/L
1	Cu 327.394	-0.4	-0.4	0	mg/L
1	Fe 238.204	94.8	92.1	0	mg/L
1	K 766.514	2334.9	2268.1	0	mg/L
1	Li 670.781	389.9	378.7	0	mg/L
1	Mg 279.074	18.1	17.5	0	mg/L
1	Mn 257.610	-199.0	-193.3	0	mg/L
1	Mo 202.031	-0.0	-0.0	0	mg/L
1	Na 589.594	2755.6	2676.7	0	mg/L
1	Ni 231.603	71.5	69.5	0	mg/L
1	Pb 220.353	0.7	0.7	0	mg/L
1	Sb 206.831	-1.0	-1.0	0	mg/L
1	Se 196.026	78.8	76.5	0	mg/L
1	Si 251.611	8102.6	7870.7	0	mg/L
1	Sn 189.933	-1.3	-1.3	0	mg/L
1	Sr 407.771	814.1	790.8	0	mg/L
1	Ti 334.941	1770.5	1719.8	0	mg/L
1	Tl 190.800	10.7	10.4	0	mg/L
1	V 292.402	-317.2	-308.1	0	mg/L

1	Zn 206.200	-0.4	-0.4	0 mg/L
2	Sc 357.253	387043.0	387043.0	99.2 mg/L
2	Y 360.064	234868.0	234868.0	99.2 mg/L
2	Ag 328.068	-12.0	-12.1	0 mg/L
2	Al 396.140	49.2	49.6	0 mg/L
2	As 188.979	1.9	1.9	0 mg/L
2	B 249.773	102.5	103.3	0 mg/L
2	Ba 455.403	8593.1	8658.4	0 mg/L
2	Be 234.861	96.2	96.9	0 mg/L
2	Ca 315.887	-339.9	-342.5	0 mg/L
2	Cd 214.438	44.8	45.2	0 mg/L
2	Ce 413.765	-163.6	-164.9	0 mg/L
2	Co 228.616	-8.5	-8.6	0 mg/L
2	Cr 205.560	39.4	39.7	0 mg/L
2	Cu 327.394	-85.9	-86.5	0 mg/L
2	Fe 238.204	103.3	104.1	0 mg/L
2	K 766.514	2201.6	2218.4	0 mg/L
2	Li 670.781	415.0	418.1	0 mg/L
2	Mg 279.074	-41.4	-41.7	0 mg/L
2	Mn 257.610	-234.2	-236.0	0 mg/L
2	Mo 202.031	9.0	9.1	0 mg/L
2	Na 589.594	2799.1	2820.4	0 mg/L
2	Ni 231.603	65.1	65.6	0 mg/L
2	Pb 220.353	0.8	0.8	0 mg/L
2	Sb 206.831	7.4	7.5	0 mg/L
2	Se 196.026	74.5	75.1	0 mg/L
2	Si 251.611	7574.6	7632.2	0 mg/L
2	Sn 189.933	-3.0	-3.0	0 mg/L
2	Sr 407.771	878.9	885.6	0 mg/L
2	Ti 334.941	1832.0	1845.9	0 mg/L
2	Tl 190.800	22.1	22.2	0 mg/L
2	V 292.402	-316.5	-318.9	0 mg/L
2	Zn 206.200	-1.6	-1.6	0 mg/L

Mean Data

ID: 0A12015-CAL1 Seq. No.: 2 A/S Pos: 1
Data: Original Date: 1/21/10 9:46:31 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.253	394258.0	10203.55	2.59%	101.1	mg/L
Y 360.064	239760.8	6919.39	2.89%	101.3	mg/L
Ag 328.068	-31.1	26.87	86.32%	0	mg/L
Al 396.140	58.3	12.30	21.11%	0	mg/L
As 188.979	-1.3	4.51	355.56%	0	mg/L
B 249.773	104.3	1.47	1.41%	0	mg/L
Ba 455.403	8489.0	239.51	2.82%	0	mg/L
Be 234.861	90.6	8.93	9.86%	0	mg/L
Ca 315.887	-285.4	80.75	28.29%	0	mg/L
Cd 214.438	45.6	0.56	1.24%	0	mg/L
Ce 413.765	-141.2	33.46	23.69%	0	mg/L
Co 228.616	-8.3	0.40	4.75%	0	mg/L
Cr 205.560	41.0	1.76	4.29%	0	mg/L
Cu 327.394	-43.5	60.94	140.24%	0	mg/L
Fe 238.204	98.1	8.48	8.65%	0	mg/L
K 766.514	2243.2	35.18	1.57%	0	mg/L
Li 670.781	398.4	27.86	6.99%	0	mg/L
Mg 279.074	-12.1	41.92	346.63%	0	mg/L
Mn 257.610	-214.6	30.19	14.07%	0	mg/L
Mo 202.031	4.5	6.41	141.66%	0	mg/L
Na 589.594	2748.6	101.56	3.70%	0	mg/L
Ni 231.603	67.5	2.74	4.05%	0	mg/L
Pb 220.353	0.8	0.10	12.67%	0	mg/L
Sb 206.831	3.3	5.97	182.94%	0	mg/L
Se 196.026	75.8	1.04	1.37%	0	mg/L
Si 251.611	7751.4	168.64	2.18%	0	mg/L
Sn 189.933	-2.2	1.25	57.86%	0	mg/L
Sr 407.771	838.2	67.03	8.00%	0	mg/L
Ti 334.941	1782.9	89.19	5.00%	0	mg/L
Tl 190.800	16.3	8.39	51.47%	0	mg/L
V 292.402	-313.5	7.62	2.43%	0	mg/L

Zn 206.200	-1.0	0.86	83.29%	0 mg/L

Replicate Data
ID: 0A12015-CAL2 Date: 1/21/10 9:49:39 AM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units
1	Sc 357.253	392551.8	392551.8	100.7	mg/L
1	Y 360.064	238573.1	238573.1	100.8	mg/L
1	Ag 328.068	116.9	116.1	0.005	mg/L
1	Al 396.140	617.6	613.6	0.05	mg/L
1	As 188.979	14.7	14.6	0.1	mg/L
1	Ba 455.403	14270.8	14177.4	0.01	mg/L
1	Be 234.861	151.4	150.4	0.001	mg/L
1	Ca 315.887	4517.6	4488.0	0.5	mg/L
1	Cd 214.438	73.4	72.9	0.005	mg/L
1	Co 228.616	10.4	10.3	0.01	mg/L
1	Cr 205.560	57.6	57.2	0.01	mg/L
1	Cu 327.394	194.3	193.0	0.01	mg/L
1	Fe 238.204	202.1	200.7	0.01	mg/L
1	K 766.514	2554.4	2537.7	0.1	mg/L
1	Li 670.781	1638.9	1628.2	0.008	mg/L
1	Mg 279.074	597.9	594.0	0.5	mg/L
1	Mn 257.610	529.4	525.9	0.010	mg/L
1	Na 589.594	9904.0	9839.2	0.5	mg/L
1	Ni 231.603	95.0	94.4	0.01	mg/L
1	Pb 220.353	19.6	19.5	0.05	mg/L
1	Sb 206.831	27.2	27.0	0.1	mg/L
1	Se 196.026	89.5	88.9	0.1	mg/L
1	Si 251.611	8611.9	8555.5	0.1	mg/L
1	Sn 189.933	6.0	6.0	0.1	mg/L
1	Sr 407.771	66516.6	66081.2	0.05	mg/L
1	Tl 190.800	25.1	24.9	0.1	mg/L
1	V 292.402	-164.2	-163.1	0.01	mg/L
1	Zn 206.200	25.1	25.0	0.01	mg/L
2	Sc 357.253	387850.9	387850.9	99.5	mg/L
2	Y 360.064	235697.0	235697.0	99.6	mg/L
2	Ag 328.068	103.7	104.3	0.005	mg/L
2	Al 396.140	523.3	526.2	0.05	mg/L
2	As 188.979	23.4	23.6	0.1	mg/L
2	Ba 455.403	14326.9	14405.7	0.01	mg/L
2	Be 234.861	166.5	167.4	0.001	mg/L
2	Ca 315.887	4527.1	4552.0	0.5	mg/L
2	Cd 214.438	82.6	83.0	0.005	mg/L
2	Co 228.616	33.3	33.5	0.01	mg/L
2	Cr 205.560	55.1	55.4	0.01	mg/L
2	Cu 327.394	263.0	264.5	0.01	mg/L
2	Fe 238.204	218.9	220.1	0.01	mg/L
2	K 766.514	2489.1	2502.8	0.1	mg/L
2	Li 670.781	1535.4	1543.8	0.008	mg/L
2	Mg 279.074	601.4	604.7	0.5	mg/L
2	Mn 257.610	525.2	528.0	0.010	mg/L
2	Na 589.594	9972.9	10027.7	0.5	mg/L
2	Ni 231.603	65.8	66.1	0.01	mg/L
2	Pb 220.353	2.9	2.9	0.05	mg/L
2	Sb 206.831	24.3	24.4	0.1	mg/L
2	Se 196.026	82.1	82.5	0.1	mg/L
2	Si 251.611	8112.0	8156.6	0.1	mg/L
2	Sn 189.933	4.8	4.8	0.1	mg/L
2	Sr 407.771	66550.9	66916.7	0.05	mg/L
2	Tl 190.800	31.5	31.7	0.1	mg/L
2	V 292.402	-202.5	-203.6	0.01	mg/L
2	Zn 206.200	16.8	16.9	0.01	mg/L

Mean Data
ID: 0A12015-CAL2 Seq. No.: 3 A/S Pos: 2
Data: Original Date: 1/21/10 9:49:39 AM

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

Sc 357.253	390201.3	3324.02	0.85%	100.1 mg/L
Y 360.064	237135.0	2033.69	0.86%	100.2 mg/L
Ag 328.068	110.2	8.36	7.59%	0.005 mg/L
Al 396.140	569.9	61.81	10.85%	0.05 mg/L
As 188.979	19.1	6.31	33.05%	0.1 mg/L
Ba 455.403	14291.5	161.40	1.13%	0.01 mg/L
Be 234.861	158.9	12.03	7.57%	0.001 mg/L
Ca 315.887	4520.0	45.27	1.00%	0.5 mg/L
Cd 214.438	78.0	7.15	9.17%	0.005 mg/L
Co 228.616	21.9	16.40	74.96%	0.01 mg/L
Cr 205.560	56.3	1.26	2.24%	0.01 mg/L
Cu 327.394	228.8	50.52	22.08%	0.01 mg/L
Fe 238.204	210.4	13.67	6.50%	0.01 mg/L
K 766.514	2520.2	24.68	0.98%	0.1 mg/L
Li 670.781	1586.0	59.65	3.76%	0.008 mg/L
Mg 279.074	599.3	7.58	1.26%	0.5 mg/L
Mn 257.610	527.0	1.48	0.28%	0.010 mg/L
Na 589.594	9933.4	133.33	1.34%	0.5 mg/L
Ni 231.603	80.3	19.99	24.90%	0.01 mg/L
Pb 220.353	11.2	11.76	104.94%	0.05 mg/L
Sb 206.831	25.7	1.87	7.29%	0.1 mg/L
Se 196.026	85.7	4.54	5.29%	0.1 mg/L
Si 251.611	8356.1	282.04	3.38%	0.1 mg/L
Sn 189.933	5.4	0.82	15.14%	0.1 mg/L
Sr 407.771	66499.0	590.74	0.89%	0.05 mg/L
Tl 190.800	28.3	4.76	16.82%	0.1 mg/L
V 292.402	-183.4	28.67	15.64%	0.01 mg/L
Zn 206.200	21.0	5.69	27.14%	0.01 mg/L

Replicate Data

ID: 0A12015-CAL3 Date: 1/21/10 9:52:49 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units
1	Sc 357.253	392386.0	392386.0	100.6	mg/L
1	Y 360.064	238355.8	238355.8	100.7	mg/L
1	Ag 328.068	2363.8	2349.3	0.1	mg/L
1	Al 396.140	3702.5	3679.9	0.5	mg/L
1	As 188.979	81.7	81.2	0.5	mg/L
1	B 249.773	1095.8	1089.1	0.100	mg/L
1	Ba 455.403	67420.2	67007.3	0.1	mg/L
1	Be 234.861	894.2	888.7	0.01	mg/L
1	Ca 315.887	9394.1	9336.5	1	mg/L
1	Cd 214.438	671.0	666.9	0.1	mg/L
1	Co 228.616	293.6	291.8	0.1	mg/L
1	Cr 205.560	153.0	152.0	0.1	mg/L
1	Cu 327.394	1279.2	1271.4	0.1	mg/L
1	Fe 238.204	953.4	947.6	0.1	mg/L
1	K 766.514	5316.7	5284.1	1	mg/L
1	Li 670.781	15704.7	15608.5	0.1	mg/L
1	Mg 279.074	1216.8	1209.3	1	mg/L
1	Mn 257.610	6945.4	6902.9	0.1	mg/L
1	Mo 202.031	71.0	70.6	0.1	mg/L
1	Na 589.594	17006.8	16902.7	1	mg/L
1	Ni 231.603	219.0	217.6	0.1	mg/L
1	Pb 220.353	31.1	30.9	0.1	mg/L
1	Sb 206.831	106.9	106.2	0.5	mg/L
1	Se 196.026	135.0	134.2	0.5	mg/L
1	Si 251.611	10698.7	10633.2	0.5	mg/L
1	Sn 189.933	43.5	43.2	0.5	mg/L
1	Sr 407.771	134655.7	133831.0	0.1	mg/L
1	Ti 334.941	10382.3	10318.8	0.1	mg/L
1	Tl 190.800	96.5	95.9	0.5	mg/L
1	V 292.402	1136.9	1129.9	0.1	mg/L
1	Zn 206.200	214.7	213.4	0.1	mg/L
2	Sc 357.253	390981.8	390981.8	100.3	mg/L
2	Y 360.064	237421.0	237421.0	100.3	mg/L
2	Ag 328.068	2322.0	2316.0	0.1	mg/L
2	Al 396.140	3773.0	3763.4	0.5	mg/L
2	As 188.979	80.5	80.3	0.5	mg/L

2	B 249.773	1124.6	1121.7	0.100 mg/L
2	Ba 455.403	67953.6	67780.0	0.1 mg/L
2	Be 234.861	918.2	915.9	0.01 mg/L
2	Ca 315.887	9451.1	9427.0	1 mg/L
2	Cd 214.438	665.9	664.2	0.1 mg/L
2	Co 228.616	290.6	289.8	0.1 mg/L
2	Cr 205.560	157.4	157.0	0.1 mg/L
2	Cu 327.394	1312.3	1308.9	0.1 mg/L
2	Fe 238.204	921.2	918.8	0.1 mg/L
2	K 766.514	5251.6	5238.2	1 mg/L
2	Li 670.781	15776.3	15736.0	0.1 mg/L
2	Mg 279.074	1209.8	1206.7	1 mg/L
2	Mn 257.610	6965.4	6947.6	0.1 mg/L
2	Mo 202.031	59.7	59.6	0.1 mg/L
2	Na 589.594	17040.2	16996.7	1 mg/L
2	Ni 231.603	241.4	240.8	0.1 mg/L
2	Pb 220.353	28.5	28.4	0.1 mg/L
2	Sb 206.831	90.2	90.0	0.5 mg/L
2	Se 196.026	133.8	133.4	0.5 mg/L
2	Si 251.611	10154.7	10128.7	0.5 mg/L
2	Sn 189.933	43.7	43.6	0.5 mg/L
2	Sr 407.771	134929.2	134584.5	0.1 mg/L
2	Ti 334.941	10364.6	10338.1	0.1 mg/L
2	Tl 190.800	86.6	86.4	0.5 mg/L
2	V 292.402	1209.1	1206.0	0.1 mg/L
2	Zn 206.200	220.1	219.6	0.1 mg/L

Mean Data

ID: 0A12015-CAL3 Seq. No.: 4 A/S Pos: 3
Data: Original Date: 1/21/10 9:52:49 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.253	391683.9	992.88	0.25%	100.4	mg/L
Y 360.064	237888.4	661.03	0.28%	100.5	mg/L
Ag 328.068	2332.7	23.54	1.01%	0.1	mg/L
Al 396.140	3721.6	59.07	1.59%	0.5	mg/L
As 188.979	80.8	0.61	0.76%	0.5	mg/L
B 249.773	1105.4	23.07	2.09%	0.100	mg/L
Ba 455.403	67393.6	546.38	0.81%	0.1	mg/L
Be 234.861	902.3	19.24	2.13%	0.01	mg/L
Ca 315.887	9381.7	63.93	0.68%	1	mg/L
Cd 214.438	665.6	1.92	0.29%	0.1	mg/L
Co 228.616	290.8	1.37	0.47%	0.1	mg/L
Cr 205.560	154.5	3.47	2.25%	0.1	mg/L
Cu 327.394	1290.1	26.52	2.06%	0.1	mg/L
Fe 238.204	933.2	20.33	2.18%	0.1	mg/L
K 766.514	5261.2	32.44	0.62%	1	mg/L
Li 670.781	15672.3	90.12	0.58%	0.1	mg/L
Mg 279.074	1208.0	1.85	0.15%	1	mg/L
Mn 257.610	6925.2	31.58	0.46%	0.1	mg/L
Mo 202.031	65.1	7.77	11.94%	0.1	mg/L
Na 589.594	16949.7	66.49	0.39%	1	mg/L
Ni 231.603	229.2	16.40	7.15%	0.1	mg/L
Pb 220.353	29.7	1.74	5.88%	0.1	mg/L
Sb 206.831	98.1	11.47	11.69%	0.5	mg/L
Se 196.026	133.8	0.55	0.41%	0.5	mg/L
Si 251.611	10381.0	356.68	3.44%	0.5	mg/L
Sn 189.933	43.4	0.25	0.59%	0.5	mg/L
Sr 407.771	134207.7	532.80	0.40%	0.1	mg/L
Ti 334.941	10328.4	13.66	0.13%	0.1	mg/L
Tl 190.800	91.2	6.73	7.38%	0.5	mg/L
V 292.402	1167.9	53.81	4.61%	0.1	mg/L
Zn 206.200	216.5	4.38	2.02%	0.1	mg/L

Replicate Data

ID: 0A12015-CAL4 Date: 1/21/10 9:56:06 AM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units
1	Sc 357.253	397449.2	397449.2	101.9	mg/L

1	Y 360.064	241661.0	241661.0	102.1	mg/L
1	Ag 328.068	11878.3	11655.2	0.5	mg/L
1	Al 396.140	17722.3	17389.4	2.5	mg/L
1	As 188.979	408.9	401.2	2.5	mg/L
1	B 249.773	4800.4	4710.3	0.5	mg/L
1	Ba 455.403	298345.3	292740.5	0.5	mg/L
1	Be 234.861	4223.2	4143.9	0.05	mg/L
1	Ca 315.887	47017.8	46134.5	5	mg/L
1	Cd 214.438	3116.0	3057.4	0.5	mg/L
1	Co 228.616	1531.6	1502.8	0.5	mg/L
1	Cr 205.560	584.1	573.2	0.5	mg/L
1	Cu 327.394	6767.9	6640.8	0.5	mg/L
1	Fe 238.204	4313.9	4232.8	0.5	mg/L
1	K 766.514	17697.3	17364.8	5	mg/L
1	Li 670.781	75229.4	73816.2	0.5	mg/L
1	Mg 279.074	5869.9	5759.6	5	mg/L
1	Mn 257.610	34921.6	34265.5	0.5	mg/L
1	Mo 202.031	327.3	321.1	0.5	mg/L
1	Na 589.594	72708.8	71342.9	5	mg/L
1	Ni 231.603	884.0	867.4	0.5	mg/L
1	Pb 220.353	121.7	119.4	0.5	mg/L
1	Sb 206.831	463.9	455.2	2.5	mg/L
1	Se 196.026	389.3	382.0	2.5	mg/L
1	Si 251.611	21069.8	20674.0	2.5	mg/L
1	Sn 189.933	234.9	230.5	2.5	mg/L
1	Sr 407.771	656547.2	644213.3	0.5	mg/L
1	Ti 334.941	44744.5	43903.9	0.5	mg/L
1	Tl 190.800	403.0	395.4	2.5	mg/L
1	V 292.402	6897.4	6767.8	0.5	mg/L
1	Zn 206.200	1030.5	1011.1	0.5	mg/L
2	Sc 357.253	395562.9	395562.9	101.4	mg/L
2	Y 360.064	240274.3	240274.3	101.5	mg/L
2	Ag 328.068	11868.9	11701.5	0.5	mg/L
2	Al 396.140	17712.0	17462.2	2.5	mg/L
2	As 188.979	413.6	407.8	2.5	mg/L
2	B 249.773	4805.3	4737.5	0.5	mg/L
2	Ba 455.403	301008.4	296762.1	0.5	mg/L
2	Be 234.861	4257.2	4197.1	0.05	mg/L
2	Ca 315.887	47136.4	46471.5	5	mg/L
2	Cd 214.438	3120.3	3076.2	0.5	mg/L
2	Co 228.616	1520.0	1498.6	0.5	mg/L
2	Cr 205.560	578.7	570.5	0.5	mg/L
2	Cu 327.394	6786.0	6690.3	0.5	mg/L
2	Fe 238.204	4307.8	4247.0	0.5	mg/L
2	K 766.514	17723.1	17473.1	5	mg/L
2	Li 670.781	75793.5	74724.3	0.5	mg/L
2	Mg 279.074	5885.3	5802.3	5	mg/L
2	Mn 257.610	34889.1	34396.9	0.5	mg/L
2	Mo 202.031	317.1	312.6	0.5	mg/L
2	Na 589.594	72975.0	71945.6	5	mg/L
2	Ni 231.603	892.1	879.5	0.5	mg/L
2	Pb 220.353	132.1	130.2	0.5	mg/L
2	Sb 206.831	476.5	469.8	2.5	mg/L
2	Se 196.026	395.2	389.6	2.5	mg/L
2	Si 251.611	20798.5	20505.1	2.5	mg/L
2	Sn 189.933	227.7	224.5	2.5	mg/L
2	Sr 407.771	662427.2	653082.3	0.5	mg/L
2	Ti 334.941	44784.1	44152.3	0.5	mg/L
2	Tl 190.800	399.2	393.6	2.5	mg/L
2	V 292.402	6870.3	6773.4	0.5	mg/L
2	Zn 206.200	1033.2	1018.6	0.5	mg/L

Mean Data

ID: 0A12015-CAL4 Seq. No.: 5 A/S Pos: 4
Data: Original Date: 1/21/10 9:56:06 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.253	396506.1	1333.80	0.34%	101.7	mg/L
Y 360.064	240967.6	980.50	0.41%	101.8	mg/L
Ag 328.068	11678.3	32.76	0.28%	0.5	mg/L

Al 396.140	17425.8	51.46	0.30%	2.5 mg/L
As 188.979	404.5	4.64	1.15%	2.5 mg/L
B 249.773	4723.9	19.29	0.41%	0.5 mg/L
Ba 455.403	294751.3	2843.69	0.96%	0.5 mg/L
Be 234.861	4170.5	37.67	0.90%	0.05 mg/L
Ca 315.887	46303.0	238.29	0.51%	5 mg/L
Cd 214.438	3066.8	13.29	0.43%	0.5 mg/L
Co 228.616	1500.7	3.01	0.20%	0.5 mg/L
Cr 205.560	571.8	1.87	0.33%	0.5 mg/L
Cu 327.394	6665.5	35.02	0.53%	0.5 mg/L
Fe 238.204	4239.9	10.04	0.24%	0.5 mg/L
K 766.514	17418.9	76.57	0.44%	5 mg/L
Li 670.781	74270.2	642.14	0.86%	0.5 mg/L
Mg 279.074	5781.0	30.18	0.52%	5 mg/L
Mn 257.610	34331.2	92.92	0.27%	0.5 mg/L
Mo 202.031	316.9	6.04	1.91%	0.5 mg/L
Na 589.594	71644.2	426.19	0.59%	5 mg/L
Ni 231.603	873.5	8.56	0.98%	0.5 mg/L
Pb 220.353	124.8	7.63	6.11%	0.5 mg/L
Sb 206.831	462.5	10.37	2.24%	2.5 mg/L
Se 196.026	385.8	5.37	1.39%	2.5 mg/L
Si 251.611	20589.5	119.47	0.58%	2.5 mg/L
Sn 189.933	227.5	4.28	1.88%	2.5 mg/L
Sr 407.771	648647.8	6271.37	0.97%	0.5 mg/L
Ti 334.941	44028.1	175.62	0.40%	0.5 mg/L
Tl 190.800	394.5	1.27	0.32%	2.5 mg/L
V 292.402	6770.6	3.94	0.06%	0.5 mg/L
Zn 206.200	1014.9	5.32	0.52%	0.5 mg/L

Replicate Data

ID: 0A12015-CAL5 Date: 1/21/10 9:59:33 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units
1	Sc 357.253	399966.7	399966.7	102.6	mg/L
1	Y 360.064	242951.2	242951.2	102.7	mg/L
1	Ag 328.068	23547.6	22959.8	1	mg/L
1	Al 396.140	35038.5	34163.9	5	mg/L
1	As 188.979	818.2	797.8	5	mg/L
1	B 249.773	9482.8	9246.1	1	mg/L
1	Ba 455.403	588720.9	574025.2	1	mg/L
1	Be 234.861	8287.4	8080.5	0.1	mg/L
1	Ca 315.887	93205.7	90879.0	10	mg/L
1	Cd 214.438	6110.7	5958.1	1	mg/L
1	Ce 413.765	6071.7	5920.1	1	mg/L
1	Co 228.616	3011.2	2936.1	1	mg/L
1	Cr 205.560	1093.1	1065.8	1	mg/L
1	Cu 327.394	13530.8	13193.0	1	mg/L
1	Fe 238.204	8423.3	8213.0	1	mg/L
1	K 766.514	32941.5	32119.2	10	mg/L
1	Li 670.781	150437.0	146681.7	1	mg/L
1	Mg 279.074	11670.0	11378.7	10	mg/L
1	Mn 257.610	69321.6	67591.2	1	mg/L
1	Mo 202.031	631.7	615.9	1	mg/L
1	Na 589.594	142696.6	139134.6	10	mg/L
1	Ni 231.603	1692.7	1650.4	1	mg/L
1	Pb 220.353	253.3	247.0	1	mg/L
1	Sb 206.831	932.7	909.4	5	mg/L
1	Se 196.026	697.9	680.4	5	mg/L
1	Si 251.611	33649.9	32809.9	5	mg/L
1	Sn 189.933	475.5	463.6	5	mg/L
1	Sr 407.771	1312896.2	1280123.5	1	mg/L
1	Ti 334.941	87539.6	85354.4	1	mg/L
1	Tl 190.800	791.3	771.5	5	mg/L
1	V 292.402	14015.4	13665.5	1	mg/L
1	Zn 206.200	2061.6	2010.1	1	mg/L
2	Sc 357.253	396145.1	396145.1	101.6	mg/L
2	Y 360.064	240487.5	240487.5	101.6	mg/L
2	Ag 328.068	23476.6	23111.4	1	mg/L
2	Al 396.140	35198.7	34651.2	5	mg/L

2 As 188.979	808.6	796.0	5	mg/L
2 B 249.773	9626.8	9477.0	1	mg/L
2 Ba 455.403	588165.9	579016.5	1	mg/L
2 Be 234.861	8261.5	8133.0	0.1	mg/L
2 Ca 315.887	93332.3	91880.4	10	mg/L
2 Cd 214.438	6150.5	6054.8	1	mg/L
2 Ce 413.765	5993.1	5899.9	1	mg/L
2 Co 228.616	3047.3	2999.9	1	mg/L
2 Cr 205.560	1085.7	1068.8	1	mg/L
2 Cu 327.394	13513.5	13303.3	1	mg/L
2 Fe 238.204	8459.7	8328.1	1	mg/L
2 K 766.514	32747.7	32238.3	10	mg/L
2 Li 670.781	150237.0	147900.0	1	mg/L
2 Mg 279.074	11693.6	11511.7	10	mg/L
2 Mn 257.610	69228.5	68151.6	1	mg/L
2 Mo 202.031	635.9	626.0	1	mg/L
2 Na 589.594	142648.5	140429.5	10	mg/L
2 Ni 231.603	1677.4	1651.3	1	mg/L
2 Pb 220.353	250.7	246.8	1	mg/L
2 Sb 206.831	931.3	916.8	5	mg/L
2 Se 196.026	705.4	694.4	5	mg/L
2 Si 251.611	34637.5	34098.7	5	mg/L
2 Sn 189.933	472.1	464.8	5	mg/L
2 Sr 407.771	1311948.6	1291540.0	1	mg/L
2 Ti 334.941	87563.7	86201.6	1	mg/L
2 Tl 190.800	782.2	770.0	5	mg/L
2 V 292.402	13974.4	13757.0	1	mg/L
2 Zn 206.200	2074.9	2042.6	1	mg/L

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

ID: 0A12015-CAL5 Seq. No.: 6 A/S Pos: 5

Data: Original Date: 1/21/10 9:59:33 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.253	398055.9	2702.28	0.68%	102.1	mg/L
Y 360.064	241719.3	1742.10	0.72%	102.1	mg/L
Ag 328.068	23035.6	107.19	0.47%	1	mg/L
Al 396.140	34407.5	344.57	1.00%	5	mg/L
As 188.979	796.9	1.30	0.16%	5	mg/L
B 249.773	9361.5	163.32	1.74%	1	mg/L
Ba 455.403	576520.8	3529.37	0.61%	1	mg/L
Be 234.861	8106.7	37.07	0.46%	0.1	mg/L
Ca 315.887	91379.7	708.06	0.77%	10	mg/L
Cd 214.438	6006.5	68.35	1.14%	1	mg/L
Ce 413.765	5910.0	14.30	0.24%	1	mg/L
Co 228.616	2968.0	45.10	1.52%	1	mg/L
Cr 205.560	1067.3	2.13	0.20%	1	mg/L
Cu 327.394	13248.2	77.98	0.59%	1	mg/L
Fe 238.204	8270.6	81.40	0.98%	1	mg/L
K 766.514	32178.7	84.20	0.26%	10	mg/L
Li 670.781	147290.8	861.42	0.58%	1	mg/L
Mg 279.074	11445.2	93.99	0.82%	10	mg/L
Mn 257.610	67871.4	396.23	0.58%	1	mg/L
Mo 202.031	621.0	7.12	1.15%	1	mg/L
Na 589.594	139782.1	915.62	0.66%	10	mg/L
Ni 231.603	1650.8	0.62	0.04%	1	mg/L
Pb 220.353	246.9	0.12	0.05%	1	mg/L
Sb 206.831	913.1	5.18	0.57%	5	mg/L
Se 196.026	687.4	9.90	1.44%	5	mg/L
Si 251.611	33454.3	911.28	2.72%	5	mg/L
Sn 189.933	464.2	0.81	0.17%	5	mg/L
Sr 407.771	1285831.8	8072.68	0.63%	1	mg/L
Ti 334.941	85778.0	599.03	0.70%	1	mg/L
Tl 190.800	770.8	1.08	0.14%	5	mg/L
V 292.402	13711.3	64.65	0.47%	1	mg/L
Zn 206.200	2026.4	22.98	1.13%	1	mg/L

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

Method: SOIL_6010C_101 Date: 1/21/10 10:00:20 AM

Corr.

Element	Stds	Equation	Intercept	Slope	Curvature	Coeff.
Ag 328.068	4	Linear	16.1	23081.1	0.00000	0.999973
Al 396.140	4	Linear	206.0	6851.3	0.00000	0.999976
As 188.979	4	Linear	1.7	159.5	0.00000	0.999965
B 249.773	3	Linear	136.1	9219.3	0.00000	0.999964
Ba 455.403	4	Linear	9428.5	567890.5	0.00000	0.999989
Be 234.861	4	Linear	98.4	80353.6	0.00000	0.999957
Ca 315.887	4	Linear	32.8	9159.7	0.00000	0.999964
Cd 214.438	4	Linear	58.5	5962.5	0.00000	0.999975
Ce 413.765	1	Linear	-141.2	6051.3	0.00000	1.000000
Co 228.616	4	Linear	-5.2	2980.7	0.00000	0.999976
Cr 205.560	4	Linear	48.1	1025.2	0.00000	0.999852
Cu 327.394	4	Linear	12.3	13246.9	0.00000	0.999949
Fe 238.204	4	Linear	120.5	8167.6	0.00000	0.999978
K 766.514	4	Linear	2268.5	2998.8	0.00000	0.999975
Li 670.781	4	Linear	627.9	146815.0	0.00000	0.999990
Mg 279.074	4	Linear	31.2	1143.4	0.00000	0.999976
Mn 257.610	4	Linear	-34.4	68082.0	0.00000	0.999970
Mo 202.031	3	Linear	4.8	617.6	0.00000	0.999968
Na 589.594	4	Linear	3056.4	13683.4	0.00000	0.999993
Ni 231.603	4	Linear	69.2	1587.0	0.00000	0.999954
Pb 220.353	4	Linear	1.6	245.8	0.00000	0.999766
Sb 206.831	4	Linear	6.4	181.6	0.00000	0.999985
Se 196.026	4	Linear	74.6	122.9	0.00000	0.999953
Si 251.611	4	Linear	7797.7	5128.8	0.00000	0.999994
Sn 189.933	4	Linear	-3.5	93.3	0.00000	0.999973
Sr 407.771	4	Linear	3438.3	1284141.1	0.00000	0.999989
Ti 334.941	3	Linear	1893.6	83964.4	0.00000	0.999995
Tl 190.800	4	Linear	15.2	151.2	0.00000	0.999991
V 292.402	4	Linear	-284.7	14022.6	0.00000	0.999974
Zn 206.200	4	Linear	4.2	2022.8	0.00000	0.999977

Replicate Data

ID: 0A21015-SCV Date: 1/21/10 10:02:58 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	398362.3	398362.3	102.1	mg/L		
1	Y 360.064	242069.5	242069.5	102.3	mg/L		
1	Ag 328.068	12041.7	11788.4	0.510041	mg/L		
1	Al 396.140	17475.4	17107.8	2.46695	mg/L		
1	As 188.979	408.4	399.8	2.49691	mg/L		
1	B 249.773	4920.4	4816.9	0.507718	mg/L		
1	Ba 455.403	299793.3	293487.2	0.500200	mg/L		
1	Be 234.861	4248.2	4158.9	0.0505321	mg/L		
1	Ca 315.887	47987.4	46977.9	5.12299	mg/L		
1	Cd 214.438	3157.4	3091.0	0.508590	mg/L		
1	Ce 413.765	-11.8	-11.5	0.0214360	mg/L		
1	Co 228.616	1511.2	1479.4	0.498056	mg/L		
1	Cr 205.560	585.4	573.1	0.512126	mg/L		
1	Cu 327.394	6770.2	6627.8	0.499401	mg/L		
1	Fe 238.204	4325.3	4234.3	0.503677	mg/L		
1	K 766.514	17536.7	17167.8	4.96940	mg/L		
1	Li 670.781	76571.1	74960.4	0.506301	mg/L		
1	Mg 279.074	5992.3	5866.3	5.10314	mg/L		
1	Mn 257.610	35194.2	34453.9	0.506569	mg/L		
1	Mo 202.031	328.8	321.8	0.513314	mg/L		
1	Na 589.594	72973.2	71438.2	4.99628	mg/L		
1	Ni 231.603	896.3	877.5	0.509275	mg/L		
1	Pb 220.353	125.1	122.5	0.492065	mg/L		
1	Sb 206.831	411.9	403.2	2.18541	mg/L		
1	Se 196.026	393.5	385.3	2.52756	mg/L		
1	Si 251.611	24615.1	24097.3	3.17802	mg/L		
1	Sn 189.933	247.0	241.8	2.62863	mg/L		
1	Sr 407.771	672401.7	658257.7	0.509928	mg/L		
1	Ti 334.941	46177.4	45206.0	0.515843	mg/L		
1	Tl 190.800	407.3	398.8	2.53627	mg/L		
1	V 292.402	6892.9	6747.9	0.501521	mg/L		
1	Zn 206.200	1038.0	1016.2	0.500299	mg/L		

2 Sc 357.253	396314.0	396314.0	101.6	mg/L
2 Y 360.064	240796.4	240796.4	101.8	mg/L
2 Ag 328.068	11945.3	11754.5	0.508570	mg/L
2 Al 396.140	17398.9	17121.0	2.46887	mg/L
2 As 188.979	413.5	406.9	2.54151	mg/L
2 B 249.773	4929.0	4850.2	0.511334	mg/L
2 Ba 455.403	300079.6	295285.7	0.503367	mg/L
2 Be 234.861	4183.0	4116.2	0.0500014	mg/L
2 Ca 315.887	47807.4	47043.6	5.13014	mg/L
2 Cd 214.438	3148.4	3098.1	0.509776	mg/L
2 Ce 413.765	-149.7	-147.3	-0.0010085	mg/L
2 Co 228.616	1526.6	1502.2	0.505719	mg/L
2 Cr 205.560	582.8	573.5	0.512543	mg/L
2 Cu 327.394	6669.3	6562.8	0.494491	mg/L
2 Fe 238.204	4361.8	4292.1	0.510757	mg/L
2 K 766.514	17444.3	17165.6	4.96867	mg/L
2 Li 670.781	76635.4	75411.1	0.509371	mg/L
2 Mg 279.074	6007.6	5911.6	5.14279	mg/L
2 Mn 257.610	35140.8	34579.4	0.508413	mg/L
2 Mo 202.031	328.4	323.1	0.515415	mg/L
2 Na 589.594	72917.8	71752.9	5.01927	mg/L
2 Ni 231.603	879.1	865.1	0.501472	mg/L
2 Pb 220.353	124.5	122.5	0.492158	mg/L
2 Sb 206.831	427.3	420.5	2.28048	mg/L
2 Se 196.026	396.4	390.1	2.56683	mg/L
2 Si 251.611	24397.1	24007.3	3.16048	mg/L
2 Sn 189.933	248.9	244.9	2.66194	mg/L
2 Sr 407.771	673282.7	662526.7	0.513252	mg/L
2 Ti 334.941	46087.3	45351.0	0.517570	mg/L
2 Tl 190.800	408.1	401.6	2.55514	mg/L
2 V 292.402	6940.3	6829.4	0.507335	mg/L
2 Zn 206.200	1033.0	1016.5	0.500455	mg/L

Mean Data

ID: 0A21015-SCV 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: 1/21/10 10:02:58 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	397338.1	101.9	0.37	mg/L				0.36%
Y 360.064	241433.0	102.0	0.38	mg/L				0.37%
Ag 328.068	11771.4	0.509306	0.0010405	mg/L				0.20%
Al 396.140	17114.4	2.46791	0.001359	mg/L				0.06%
As 188.979	403.4	2.51921	0.031536	mg/L				1.25%
B 249.773	4833.5	0.509526	0.0025564	mg/L				0.50%
Ba 455.403	294386.5	0.501783	0.0022395	mg/L				0.45%
Be 234.861	4137.5	0.0502667	0.00037528	mg/L				0.75%
Ca 315.887	47010.8	5.12656	0.005055	mg/L				0.10%
Cd 214.438	3094.5	0.509183	0.0008390	mg/L				0.16%
Ce 413.765	-79.4	0.0102137	0.01587070	mg/L				155.39%
Co 228.616	1490.8	0.501888	0.0054188	mg/L				1.08%
Cr 205.560	573.3	0.512334	0.0002947	mg/L				0.06%
Cu 327.394	6595.3	0.496946	0.0034720	mg/L				0.70%
Fe 238.204	4263.2	0.507217	0.0050069	mg/L				0.99%
K 766.514	17166.7	4.96904	0.000516	mg/L				0.01%
Li 670.781	75185.8	0.507836	0.0021708	mg/L				0.43%
Mg 279.074	5889.0	5.12296	0.028039	mg/L				0.55%
Mn 257.610	34516.6	0.507491	0.0013034	mg/L				0.26%
Mo 202.031	322.5	0.514365	0.0014854	mg/L				0.29%
Na 589.594	71595.6	5.00778	0.016260	mg/L				0.32%
Ni 231.603	871.3	0.505374	0.0055178	mg/L				1.09%
Pb 220.353	122.5	0.492112	0.0000655	mg/L				0.01%
Sb 206.831	411.8	2.23294	0.067225	mg/L				3.01%
*QC exceeds lower limit for Sb 206.831 Recovery = 89.32% Action = Continue								
Se 196.026	387.7	2.54720	0.027766	mg/L				1.09%
Si 251.611	24052.3	3.16925	0.012408	mg/L				0.39%
*QC exceeds upper limit for Si 251.611 Recovery = 126.77% Action = Continue								
Sn 189.933	243.3	2.64528	0.023547	mg/L				0.89%
Sr 407.771	660392.2	0.511590	0.0023507	mg/L				0.46%
Ti 334.941	45278.5	0.516706	0.0012209	mg/L				0.24%
Tl 190.800	400.2	2.54570	0.013344	mg/L				0.52%

V 292.402	6788.6	0.504428	0.0041113 mg/L	0.82%
Zn 206.200	1016.3	0.500377	0.0001102 mg/L	0.02%

Replicate Data

ID: 0A21015-CCB Date: 1/21/10 10:06:13 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	390603.1	390603.1	100.2	mg/L		
1	Y 360.064	237010.7	237010.7	100.2	mg/L		
1	Ag 328.068	19.3	19.3	0.0001389	mg/L		
1	Al 396.140	10.6	10.6	-0.0285247	mg/L		
1	As 188.979	3.2	3.2	0.0092406	mg/L		
1	B 249.773	212.1	211.8	0.0082158	mg/L		
1	Ba 455.403	8471.6	8458.1	-0.0017088	mg/L		
1	Be 234.861	81.4	81.3	-0.0002132	mg/L		
1	Ca 315.887	-235.5	-235.1	-0.0292469	mg/L		
1	Cd 214.438	42.4	42.3	-0.0027191	mg/L		
1	Ce 413.765	-245.3	-244.9	-0.0171389	mg/L		
1	Co 228.616	-20.1	-20.0	-0.0049920	mg/L		
1	Cr 205.560	45.3	45.2	-0.0027698	mg/L		
1	Cu 327.394	-94.3	-94.1	-0.0080355	mg/L		
1	Fe 238.204	116.1	115.9	-0.0005593	mg/L		
1	K 766.514	2136.0	2132.6	-0.0452989	mg/L		
1	Li 670.781	238.4	238.1	-0.0026551	mg/L		
1	Mg 279.074	1.1	1.1	-0.0263238	mg/L		
1	Mn 257.610	-199.6	-199.3	-0.0024229	mg/L		
1	Mo 202.031	9.8	9.8	0.0080245	mg/L		
1	Na 589.594	2835.8	2831.3	-0.0164547	mg/L		
1	Ni 231.603	77.8	77.7	0.0053321	mg/L		
1	Pb 220.353	-0.2	-0.2	-0.0073637	mg/L		
1	Sb 206.831	4.7	4.6	-0.0094995	mg/L		
1	Se 196.026	84.2	84.1	0.0770776	mg/L		
1	Si 251.611	10076.1	10060.1	0.441109	mg/L		
1	Sn 189.933	-2.1	-2.1	0.0152965	mg/L		
1	Sr 407.771	922.8	921.4	-0.0019600	mg/L		
1	Ti 334.941	1812.0	1809.1	-0.0010063	mg/L		
1	Tl 190.800	16.0	16.0	0.0051848	mg/L		
1	V 292.402	-335.0	-334.5	-0.0035539	mg/L		
1	Zn 206.200	-3.8	-3.8	-0.0039310	mg/L		
2	Sc 357.253	389788.0	389788.0	100.0	mg/L		
2	Y 360.064	236506.8	236506.8	99.9	mg/L		
2	Ag 328.068	-43.1	-43.2	-0.0025675	mg/L		
2	Al 396.140	-39.8	-39.8	-0.0358851	mg/L		
2	As 188.979	5.5	5.5	0.0241182	mg/L		
2	B 249.773	206.2	206.3	0.0076162	mg/L		
2	Ba 455.403	8520.8	8525.0	-0.0015910	mg/L		
2	Be 234.861	89.9	89.9	-0.0001060	mg/L		
2	Ca 315.887	-185.0	-185.1	-0.0237871	mg/L		
2	Cd 214.438	51.9	51.9	-0.0011093	mg/L		
2	Ce 413.765	-88.6	-88.6	0.0086982	mg/L		
2	Co 228.616	-13.7	-13.7	-0.0028548	mg/L		
2	Cr 205.560	47.2	47.2	-0.0008108	mg/L		
2	Cu 327.394	-26.2	-26.3	-0.0029138	mg/L		
2	Fe 238.204	111.5	111.6	-0.0010889	mg/L		
2	K 766.514	2180.4	2181.5	-0.0290028	mg/L		
2	Li 670.781	443.3	443.5	-0.0012557	mg/L		
2	Mg 279.074	58.6	58.6	0.0239987	mg/L		
2	Mn 257.610	-216.4	-216.5	-0.0026753	mg/L		
2	Mo 202.031	4.8	4.8	0.0000663	mg/L		
2	Na 589.594	2770.7	2772.1	-0.0207799	mg/L		
2	Ni 231.603	55.2	55.3	-0.0088060	mg/L		
2	Pb 220.353	0.7	0.7	-0.0035890	mg/L		
2	Sb 206.831	12.9	12.9	0.0362267	mg/L		
2	Se 196.026	80.0	80.1	0.0446778	mg/L		
2	Si 251.611	9222.4	9227.0	0.278679	mg/L		
2	Sn 189.933	-0.4	-0.4	0.0335982	mg/L		
2	Sr 407.771	900.7	901.1	-0.0019758	mg/L		
2	Ti 334.941	1790.7	1791.6	-0.0012141	mg/L		
2	Tl 190.800	26.0	26.0	0.0712994	mg/L		

2 V 292.402	-255.0	-255.1	0.0021103	mg/L
2 Zn 206.200	-10.6	-10.6	-0.0073295	mg/L

Mean Data

ID: 0A21015-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: 1/21/10 10:06:13 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Sc 357.253	390195.6	100.1	0.15	mg/L				0.15%
Y 360.064	236758.8	100.0	0.15	mg/L				0.15%
Ag 328.068	-11.9	-0.0012143	0.00191370	mg/L				157.60%
Al 396.140	-14.6	-0.0322049	0.00520462	mg/L				16.16%
As 188.979	4.3	0.0166794	0.01052009	mg/L				63.07%
B 249.773	209.0	0.0079160	0.00042395	mg/L				5.36%
Ba 455.403	8491.6	-0.0016499	0.00008330	mg/L				5.05%
Be 234.861	85.6	-0.0001596	0.00007585	mg/L				47.52%
Ca 315.887	-210.1	-0.0265170	0.00386062	mg/L				14.56%
Cd 214.438	47.1	-0.0019142	0.00113835	mg/L				59.47%
Ce 413.765	-166.8	-0.0042204	0.01826957	mg/L				432.89%
Co 228.616	-16.9	-0.0039234	0.00151121	mg/L				38.52%
Cr 205.560	46.2	-0.0017903	0.00138518	mg/L				77.37%
Cu 327.394	-60.2	-0.0054746	0.00362158	mg/L				66.15%
Fe 238.204	113.7	-0.0008241	0.00037442	mg/L				45.43%
K 766.514	2157.1	-0.0371508	0.01152309	mg/L				31.02%
Li 670.781	340.8	-0.0019554	0.00098948	mg/L				50.60%
Mg 279.074	29.8	-0.0011626	0.03558337	mg/L				>999.9%
Mn 257.610	-207.9	-0.0025491	0.00017846	mg/L				7.00%
Mo 202.031	7.3	0.0040454	0.00562730	mg/L				139.10%
Na 589.594	2801.7	-0.0186173	0.00305836	mg/L				16.43%
Ni 231.603	66.5	-0.0017369	0.00999717	mg/L				575.56%
Pb 220.353	0.2	-0.0054763	0.00266908	mg/L				48.74%
Sb 206.831	8.8	0.0133636	0.03233328	mg/L				241.95%
Se 196.026	82.1	0.0608777	0.02291017	mg/L				37.63%
Si 251.611	9643.6	0.359894	0.1148553	mg/L				31.91%
Sn 189.933	-1.2	0.0244473	0.01294122	mg/L				52.94%
Sr 407.771	911.3	-0.0019679	0.00001115	mg/L				0.57%
Ti 334.941	1800.4	-0.0011102	0.00014695	mg/L				13.24%
Tl 190.800	21.0	0.0382421	0.04675009	mg/L				122.25%
V 292.402	-294.8	-0.0007218	0.00400517	mg/L				554.91%
Zn 206.200	-7.2	-0.0056303	0.00240310	mg/L				42.68%

Replicate Data

ID: 0A21015-CRL1 Date: 1/21/10 10:09:20 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	393255.3	393255.3	100.8	mg/L		
1	Y 360.064	238833.0	238833.0	100.9	mg/L		
1	Ag 328.068	245.3	243.3	0.0098438	mg/L		
1	Al 396.140	1003.9	995.6	0.115242	mg/L		
1	As 188.979	30.3	30.0	0.177815	mg/L		
1	B 249.773	1138.5	1129.0	0.107705	mg/L		
1	Ba 455.403	20993.2	20818.5	0.0200567	mg/L		
1	Be 234.861	255.1	253.0	0.0019238	mg/L		
1	Ca 315.887	9946.6	9863.8	1.07277	mg/L		
1	Cd 214.438	110.3	109.4	0.0085402	mg/L		
1	Ce 413.765	-3.8	-3.7	0.0227241	mg/L		
1	Co 228.616	49.1	48.7	0.0180649	mg/L		
1	Cr 205.560	70.4	69.8	0.0211949	mg/L		
1	Cu 327.394	259.0	256.8	0.0184540	mg/L		
1	Fe 238.204	278.2	275.8	0.0190217	mg/L		
1	K 766.514	2670.9	2648.7	0.126780	mg/L		
1	Li 670.781	3021.9	2996.7	0.0161351	mg/L		
1	Mg 279.074	1169.3	1159.6	0.986895	mg/L		
1	Mn 257.610	1273.4	1262.8	0.0190522	mg/L		
1	Mo 202.031	132.3	131.2	0.204605	mg/L		
1	Na 589.594	17641.1	17494.3	1.05514	mg/L		
1	Ni 231.603	109.7	108.8	0.0249211	mg/L		
1	Pb 220.353	27.1	26.9	0.103138	mg/L		

1	Sb 206.831	47.7	47.3	0.225190	mg/L
1	Se 196.026	97.4	96.6	0.179116	mg/L
1	Si 251.611	8062.0	7994.9	0.0384518	mg/L
1	Sn 189.933	14.1	14.0	0.187033	mg/L
1	Sr 407.771	140100.3	138934.5	0.105515	mg/L
1	Ti 334.941	19097.9	18939.0	0.203007	mg/L
1	Tl 190.800	49.5	49.1	0.223863	mg/L
1	V 292.402	24.6	24.4	0.0220439	mg/L
1	Zn 206.200	44.4	44.1	0.0197173	mg/L
2	Sc 357.253	388461.9	388461.9	99.6	mg/L
2	Y 360.064	235730.2	235730.2	99.6	mg/L
2	Ag 328.068	258.5	259.5	0.0105448	mg/L
2	Al 396.140	1038.7	1042.8	0.122133	mg/L
2	As 188.979	54.0	54.2	0.329354	mg/L
2	B 249.773	1157.0	1161.5	0.111229	mg/L
2	Ba 455.403	21048.5	21130.9	0.0206069	mg/L
2	Be 234.861	249.2	250.1	0.0018881	mg/L
2	Ca 315.887	9779.3	9817.6	1.06771	mg/L
2	Cd 214.438	103.5	104.0	0.0076227	mg/L
2	Ce 413.765	-160.8	-161.4	-0.0033347	mg/L
2	Co 228.616	45.1	45.2	0.0169128	mg/L
2	Cr 205.560	67.5	67.8	0.0192245	mg/L
2	Cu 327.394	260.6	261.7	0.0188201	mg/L
2	Fe 238.204	289.4	290.6	0.0208246	mg/L
2	K 766.514	2847.0	2858.1	0.196620	mg/L
2	Li 670.781	2916.5	2927.9	0.0156664	mg/L
2	Mg 279.074	1221.8	1226.6	1.04551	mg/L
2	Mn 257.610	1257.8	1262.7	0.0190514	mg/L
2	Mo 202.031	133.3	133.8	0.208822	mg/L
2	Na 589.594	17639.4	17708.4	1.07079	mg/L
2	Ni 231.603	115.2	115.7	0.0292743	mg/L
2	Pb 220.353	22.8	22.9	0.0868958	mg/L
2	Sb 206.831	37.3	37.4	0.171005	mg/L
2	Se 196.026	112.3	112.8	0.310634	mg/L
2	Si 251.611	7589.7	7619.4	-0.0347733	mg/L
2	Sn 189.933	15.5	15.5	0.203820	mg/L
2	Sr 407.771	139991.4	140539.5	0.106765	mg/L
2	Ti 334.941	19030.2	19104.7	0.204982	mg/L
2	Tl 190.800	39.9	40.0	0.164215	mg/L
2	V 292.402	12.2	12.3	0.0211779	mg/L
2	Zn 206.200	43.8	43.9	0.0196548	mg/L

Mean Data

ID: 0A21015-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: 1/21/10 10:09:20 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	390858.6	100.2	0.87	mg/L				0.87%
Y 360.064	237281.6	100.3	0.93	mg/L				0.92%
Ag 328.068	251.4	0.0101943	0.00049573	mg/L				4.86%
Al 396.140	1019.2	0.118688	0.0048727	mg/L				4.11%
As 188.979	42.1	0.253584	0.1071540	mg/L				42.26%
B 249.773	1145.3	0.109467	0.0024917	mg/L				2.28%
Ba 455.403	20974.7	0.0203318	0.00038903	mg/L				1.91%
Be 234.861	251.6	0.0019059	0.00002524	mg/L				1.32%
Ca 315.887	9840.7	1.07024	0.003579	mg/L				0.33%
Cd 214.438	106.7	0.0080814	0.00064878	mg/L				8.03%
Ce 413.765	-82.6	0.0096947	0.01842632	mg/L				190.07%
Co 228.616	47.0	0.0174889	0.00081468	mg/L				4.66%
Cr 205.560	68.8	0.0202097	0.00139329	mg/L				6.89%
Cu 327.394	259.2	0.0186370	0.00025890	mg/L				1.39%
Fe 238.204	283.2	0.0199232	0.00127486	mg/L				6.40%
K 766.514	2753.4	0.161700	0.0493845	mg/L				30.54%
Li 670.781	2962.3	0.0159007	0.00033138	mg/L				2.08%
Mg 279.074	1193.1	1.01620	0.041445	mg/L				4.08%
Mn 257.610	1262.7	0.0190518	0.00000057	mg/L				0.00%
Mo 202.031	132.5	0.206713	0.0029823	mg/L				1.44%
Na 589.594	17601.3	1.06296	0.011065	mg/L				1.04%
Ni 231.603	112.2	0.0270977	0.00307817	mg/L				11.36%

Pb 220.353	24.9	0.0950170	0.01148519 mg/L	12.09%
Sb 206.831	42.3	0.198097	0.0383152 mg/L	19.34%
Se 196.026	104.7	0.244875	0.0929979 mg/L	37.98%
Si 251.611	7807.2	0.0018393	0.05177797 mg/L	>999.9%
*QC exceeds lower limit for Si 251.611		Recovery =	0.92% Action = Continue	
Sn 189.933	14.7	0.195427	0.0118701 mg/L	6.07%
Sr 407.771	139737.0	0.106140	0.0008838 mg/L	0.83%
Ti 334.941	19021.8	0.203994	0.0013961 mg/L	0.68%
Tl 190.800	44.6	0.194039	0.0421776 mg/L	21.74%
V 292.402	18.4	0.0216109	0.00061238 mg/L	2.83%
Zn 206.200	44.0	0.0196860	0.00004419 mg/L	0.22%

Replicate Data

ID: 0A21015-IFA1 Date: 1/21/10 10:12:39 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	393537.2	393537.2	100.9	mg/L		
1	Y 360.064	238242.6	238242.6	100.7	mg/L		
1	Ag 328.068	-95.1	-94.3	-0.0047811	mg/L		
1	Al 396.140	696338.9	690049.5	100.688	mg/L		
1	As 188.979	10.0	9.9	0.0517193	mg/L		
1	B 249.773	1191.1	1180.4	0.0046515	mg/L		
1	Ba 455.403	8359.7	8284.2	-0.0020150	mg/L		
1	Be 234.861	503.9	499.3	0.0000209	mg/L		
1	Ca 315.887	926245.6	917879.7	100.229	mg/L		
1	Cd 214.438	157.4	156.0	0.0076793	mg/L		
1	Ce 413.765	-166.9	-165.4	-0.0039870	mg/L		
1	Co 228.616	47.7	47.2	0.0016796	mg/L		
1	Cr 205.560	58.7	58.2	0.0098309	mg/L		
1	Cu 327.394	-97.2	-96.4	0.0024545	mg/L		
1	Fe 238.204	331300.8	328308.4	40.1817	mg/L		
1	K 766.514	1934.9	1917.4	-0.0927129	mg/L		
1	Li 670.781	315.4	312.6	-0.0021475	mg/L		
1	Mg 279.074	115889.1	114842.4	100.406	mg/L		
1	Mn 257.610	-5.7	-5.6	0.0004218	mg/L		
1	Mo 202.031	5.4	5.4	0.0009027	mg/L		
1	Na 589.594	2688.6	2664.3	-0.0123197	mg/L		
1	Ni 231.603	74.6	74.0	0.0029736	mg/L		
1	Pb 220.353	-19.3	-19.1	-0.0842548	mg/L		
1	Sb 206.831	10.6	10.5	0.0227451	mg/L		
1	Se 196.026	66.3	65.7	-0.0720471	mg/L		
1	Si 251.611	8855.6	8775.6	-0.182476	mg/L		
1	Sn 189.933	-29.1	-28.8	-0.271415	mg/L		
1	Sr 407.771	2814.4	2789.0	-0.0005056	mg/L		
1	Ti 334.941	1938.2	1920.7	0.0003227	mg/L		
1	Tl 190.800	15.9	15.8	0.0038060	mg/L		
1	V 292.402	-276.4	-273.9	0.0007710	mg/L		
1	Zn 206.200	6.9	6.8	0.0013133	mg/L		
2	Sc 357.253	393537.2	393537.2	100.9	mg/L		
2	Y 360.064	238098.2	238098.2	100.6	mg/L		
2	Ag 328.068	-41.3	-40.9	-0.0024693	mg/L		
2	Al 396.140	702168.8	695826.7	101.531	mg/L		
2	As 188.979	17.9	17.8	0.100903	mg/L		
2	B 249.773	1195.4	1184.6	0.0040870	mg/L		
2	Ba 455.403	8395.0	8319.1	-0.0019535	mg/L		
2	Be 234.861	475.9	471.6	-0.0003714	mg/L		
2	Ca 315.887	933551.4	925119.4	101.020	mg/L		
2	Cd 214.438	150.2	148.9	0.0064096	mg/L		
2	Ce 413.765	-254.6	-252.3	-0.0183571	mg/L		
2	Co 228.616	20.3	20.2	-0.0075531	mg/L		
2	Cr 205.560	62.8	62.3	0.0138288	mg/L		
2	Cu 327.394	-65.8	-65.2	0.0048929	mg/L		
2	Fe 238.204	334413.2	331392.7	40.5593	mg/L		
2	K 766.514	2157.8	2138.4	-0.0188999	mg/L		
2	Li 670.781	357.2	354.0	-0.0018653	mg/L		
2	Mg 279.074	115468.0	114425.0	100.041	mg/L		
2	Mn 257.610	-34.1	-33.8	0.0000084	mg/L		
2	Mo 202.031	-2.7	-2.7	-0.0121435	mg/L		
2	Na 589.594	2971.7	2944.8	0.0082342	mg/L		

2	Ni 231.603	92.8	92.0	0.0143426 mg/L
2	Pb 220.353	6.6	6.5	0.0202233 mg/L
2	Sb 206.831	-2.3	-2.3	-0.0476511 mg/L
2	Se 196.026	72.8	72.1	-0.0199850 mg/L
2	Si 251.611	8326.0	8250.8	-0.283451 mg/L
2	Sn 189.933	-28.3	-28.1	-0.263481 mg/L
2	Sr 407.771	2862.4	2836.5	-0.0004687 mg/L
2	Ti 334.941	1913.9	1896.6	0.0000365 mg/L
2	Tl 190.800	24.4	24.2	0.0594508 mg/L
2	V 292.402	-291.7	-289.1	-0.0003154 mg/L
2	Zn 206.200	9.1	9.0	0.0023686 mg/L

Mean Data

ID: 0A21015-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: 1/21/10 10:12:39 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	393537.2	100.9	0.00	mg/L				0.00%
Y 360.064	238170.4	100.6	0.04	mg/L				0.04%
Ag 328.068	-67.6	-0.0036252	0.00163471	mg/L				45.09%
Al 396.140	692938.1	101.110	0.5962	mg/L				0.59%
As 188.979	13.9	0.0763110	0.03477790	mg/L				45.57%
B 249.773	1182.5	0.0043693	0.00039919	mg/L				9.14%
Ba 455.403	8301.7	-0.0019843	0.00004350	mg/L				2.19%
Be 234.861	485.4	-0.0001753	0.00027742	mg/L				158.27%
Ca 315.887	921499.5	100.624	0.5589	mg/L				0.56%
Cd 214.438	152.4	0.0070444	0.00089777	mg/L				12.74%
Ce 413.765	-208.8	-0.0111721	0.01016118	mg/L				90.95%
Co 228.616	33.7	-0.0029367	0.00652853	mg/L				222.31%
Cr 205.560	60.2	0.0118298	0.00282698	mg/L				23.90%
Cu 327.394	-80.8	0.0036737	0.00172421	mg/L				46.93%
Fe 238.204	329850.6	40.3705	0.26702	mg/L				0.66%
K 766.514	2027.9	-0.0558064	0.05219368	mg/L				93.53%
Li 670.781	333.3	-0.0020064	0.00019957	mg/L				9.95%
Mg 279.074	114633.7	100.223	0.2582	mg/L				0.26%
Mn 257.610	-19.7	0.0002151	0.00029232	mg/L				135.87%
Mo 202.031	1.3	-0.0056204	0.00922510	mg/L				164.14%
Na 589.594	2804.6	-0.0020427	0.01453383	mg/L				711.49%
Ni 231.603	83.0	0.0086581	0.00803909	mg/L				92.85%
Pb 220.353	-6.3	-0.0320158	0.07387723	mg/L				230.75%
Sb 206.831	4.1	-0.0124530	0.04977767	mg/L				399.72%
Se 196.026	68.9	-0.0460160	0.03681347	mg/L				80.00%
Si 251.611	8513.2	-0.232963	0.0713998	mg/L				30.65%
*QC exceeds lower limit for Si 251.611 Action = Continue								
Sn 189.933	-28.5	-0.267448	0.0056100	mg/L				2.10%
*QC exceeds lower limit for Sn 189.933 Action = Continue								
Sr 407.771	2812.8	-0.0004871	0.00002614	mg/L				5.37%
Ti 334.941	1908.7	0.0001796	0.00020235	mg/L				112.68%
Tl 190.800	20.0	0.0316284	0.03934683	mg/L				124.40%
V 292.402	-281.5	0.0002278	0.00076820	mg/L				337.28%
Zn 206.200	7.9	0.0018409	0.00074625	mg/L				40.54%

Replicate Data

ID: 0A21015-IFA2 Date: 1/21/10 10:16:04 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	398410.2	398410.2	102.2	mg/L		
1	Y 360.064	241947.0	241947.0	102.2	mg/L		
1	Ag 328.068	-822.6	-805.2	-0.0088028	mg/L		
1	Al 396.140	655.7	641.9	0.0636116	mg/L		
1	As 188.979	28.5	27.9	0.0331698	mg/L		
1	B 249.773	296.3	290.0	0.0167000	mg/L		
1	Ba 455.403	8357.4	8180.6	-0.0021975	mg/L		
1	Be 234.861	102.0	99.8	0.0000175	mg/L		
1	Ca 315.887	-50.5	-49.4	0.0028291	mg/L		
1	Cd 214.438	125.0	122.3	0.0008194	mg/L		
1	Ce 413.765	-216.3	-211.7	-0.0116481	mg/L		
1	Co 228.616	74.3	72.8	-0.0054138	mg/L		

1	Cr 205.560	21301.4	20850.8	20.2593	mg/L
1	Cu 327.394	276658.8	270806.7	20.4547	mg/L
1	Fe 238.204	201.4	197.2	0.0093877	mg/L
1	K 766.514	2019.8	1977.0	-0.0884075	mg/L
1	Li 670.781	823.5	806.1	0.0012138	mg/L
1	Mg 279.074	92.1	90.2	-0.0263721	mg/L
1	Mn 257.610	1410653.9	1380814.5	20.2822	mg/L
1	Mo 202.031	1.5	1.5	-0.0053476	mg/L
1	Na 589.594	3522.6	3448.0	0.0465455	mg/L
1	Ni 231.603	33236.1	32533.1	20.4556	mg/L
1	Pb 220.353	-1.0	-1.0	-0.0102712	mg/L
1	Sb 206.831	80.0	78.3	0.0687943	mg/L
1	Se 196.026	52.2	51.1	-0.0594736	mg/L
1	Si 251.611	20064.9	19640.5	1.35872	mg/L
1	Sn 189.933	-5.3	-5.2	-0.0177197	mg/L
1	Sr 407.771	544.5	533.0	-0.0022624	mg/L
1	Ti 334.941	1732289.9	1695647.0	20.1723	mg/L
1	Tl 190.800	-18.7	-18.3	0.119424	mg/L
1	V 292.402	286892.3	280823.7	20.0313	mg/L
1	Zn 206.200	2.5	2.4	-0.0137971	mg/L
2	Sc 357.253	397555.1	397555.1	101.9	mg/L
2	Y 360.064	241534.7	241534.7	102.1	mg/L
2	Ag 328.068	-810.8	-795.4	-0.0080830	mg/L
2	Al 396.140	652.0	639.6	0.0632776	mg/L
2	As 188.979	24.8	24.3	0.0092013	mg/L
2	B 249.773	263.0	258.0	0.0132264	mg/L
2	Ba 455.403	8513.2	8351.0	-0.0018974	mg/L
2	Be 234.861	90.6	88.9	-0.0001189	mg/L
2	Ca 315.887	-95.5	-93.6	-0.0018606	mg/L
2	Cd 214.438	125.5	123.1	0.0008849	mg/L
2	Ce 413.765	-78.8	-77.3	0.0105687	mg/L
2	Co 228.616	86.7	85.1	-0.0016231	mg/L
2	Cr 205.560	21355.9	20949.1	20.3549	mg/L
2	Cu 327.394	278978.9	273665.1	20.6706	mg/L
2	Fe 238.204	193.7	190.0	0.0085123	mg/L
2	K 766.514	2116.4	2076.1	-0.0552902	mg/L
2	Li 670.781	830.5	814.7	0.0012726	mg/L
2	Mg 279.074	186.5	182.9	0.0537422	mg/L
2	Mn 257.610	1422794.7	1395694.4	20.5007	mg/L
2	Mo 202.031	1.0	1.0	-0.0061585	mg/L
2	Na 589.594	3425.7	3360.4	0.0403334	mg/L
2	Ni 231.603	33397.5	32761.3	20.5994	mg/L
2	Pb 220.353	-2.9	-2.9	-0.0181235	mg/L
2	Sb 206.831	59.5	58.4	-0.0427939	mg/L
2	Se 196.026	48.0	47.1	-0.0903102	mg/L
2	Si 251.611	20169.9	19785.7	1.37671	mg/L
2	Sn 189.933	-4.9	-4.8	-0.0140178	mg/L
2	Sr 407.771	549.5	539.0	-0.0022578	mg/L
2	Ti 334.941	1747343.9	1714061.7	20.3916	mg/L
2	Tl 190.800	-31.6	-31.0	0.0391062	mg/L
2	V 292.402	289425.1	283912.4	20.2514	mg/L
2	Zn 206.200	18.9	18.5	-0.0059261	mg/L

Mean Data

ID: 0A21015-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: 1/21/10 10:16:04 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	397982.6	102.1	0.16	mg/L				0.15%
Y 360.064	241740.8	102.2	0.12	mg/L				0.12%
Ag 328.068	-800.3	-0.0084429	0.00050900	mg/L				6.03%
Al 396.140	640.7	0.0634446	0.00023615	mg/L				0.37%
As 188.979	26.1	0.0211856	0.01694831	mg/L				80.00%
B 249.773	274.0	0.0149632	0.00245617	mg/L				16.41%
Ba 455.403	8265.8	-0.0020474	0.00021223	mg/L				10.37%
Be 234.861	94.3	-0.0000507	0.00009646	mg/L				190.29%
Ca 315.887	-71.5	0.0004842	0.00331612	mg/L				684.85%
Cd 214.438	122.7	0.0008521	0.00004630	mg/L				5.43%
Ce 413.765	-144.5	-0.0005397	0.01570962	mg/L				>999.9%

Co 228.616	78.9	-0.0035184	0.00268042	mg/L	76.18%
Cr 205.560	20900.0	20.3071	0.06761	mg/L	0.33%
Cu 327.394	272235.9	20.5626	0.15268	mg/L	0.74%
Fe 238.204	193.6	0.0089500	0.00061903	mg/L	6.92%
K 766.514	2026.6	-0.0718488	0.02341749	mg/L	32.59%
Li 670.781	810.4	0.0012432	0.00004157	mg/L	3.34%
Mg 279.074	136.5	0.0136850	0.05664936	mg/L	413.95%
Mn 257.610	1388254.4	20.3914	0.15454	mg/L	0.76%
Mo 202.031	1.3	-0.0057530	0.00057337	mg/L	9.97%
Na 589.594	3404.2	0.0434395	0.00439261	mg/L	10.11%
Ni 231.603	32647.2	20.5275	0.10170	mg/L	0.50%
Pb 220.353	-1.9	-0.0141973	0.00555240	mg/L	39.11%
Sb 206.831	68.3	0.0130002	0.07890479	mg/L	606.95%
Se 196.026	49.1	-0.0748919	0.02180482	mg/L	29.12%
Si 251.611	19713.1	1.36771	0.012719	mg/L	0.93%
*QC exceeds upper limit for Si 251.611 Action = Continue					
Sn 189.933	-5.0	-0.0158688	0.00261766	mg/L	16.50%
Sr 407.771	536.0	-0.0022601	0.00000329	mg/L	0.15%
Ti 334.941	1704854.3	20.2819	0.15508	mg/L	0.76%
Tl 190.800	-24.7	0.0792650	0.05679306	mg/L	71.65%
V 292.402	282368.1	20.1414	0.15563	mg/L	0.77%
Zn 206.200	10.5	-0.0098616	0.00556560	mg/L	56.44%

Replicate Data

ID: 0A21015-IFB1 Date: 1/21/10 10:19:33 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	402841.2	402841.2	103.3	mg/L		
1	Y 360.064	244259.1	244259.1	103.2	mg/L		
1	Ag 328.068	23326.7	22582.1	0.977683	mg/L		
1	Al 396.140	701721.8	679323.2	99.1225	mg/L		
1	As 188.979	10.5	10.2	0.0533428	mg/L		
1	B 249.773	1137.0	1100.8	-0.0022924	mg/L		
1	Ba 455.403	271779.0	263104.0	0.446698	mg/L		
1	Be 234.861	4650.9	4502.4	0.0499165	mg/L		
1	Ca 315.887	933599.0	903799.0	98.6900	mg/L		
1	Cd 214.438	6167.7	5970.8	0.983043	mg/L		
1	Ce 413.765	-164.3	-159.1	-0.0029480	mg/L		
1	Co 228.616	1512.0	1463.7	0.477145	mg/L		
1	Cr 205.560	576.1	557.7	0.497081	mg/L		
1	Cu 327.394	6669.9	6457.0	0.497004	mg/L		
1	Fe 238.204	333858.5	323201.9	39.5565	mg/L		
1	K 766.514	2148.2	2079.7	-0.0388331	mg/L		
1	Li 670.781	481.9	466.5	-0.0010990	mg/L		
1	Mg 279.074	116067.7	112362.9	98.2364	mg/L		
1	Mn 257.610	34616.4	33511.5	0.492727	mg/L		
1	Mo 202.031	-0.8	-0.8	-0.0090653	mg/L		
1	Na 589.594	2909.2	2816.3	-0.0015079	mg/L		
1	Ni 231.603	1671.9	1618.5	0.976213	mg/L		
1	Pb 220.353	246.1	238.2	0.962972	mg/L		
1	Sb 206.831	1.5	1.4	-0.0272453	mg/L		
1	Se 196.026	68.1	65.9	-0.0706925	mg/L		
1	Si 251.611	10122.1	9799.0	0.0251236	mg/L		
1	Sn 189.933	-28.5	-27.6	-0.257989	mg/L		
1	Sr 407.771	1940.7	1878.7	-0.0012145	mg/L		
1	Ti 334.941	2024.1	1959.5	0.0007850	mg/L		
1	Tl 190.800	24.0	23.2	0.0527577	mg/L		
1	V 292.402	6979.9	6757.1	0.502181	mg/L		
1	Zn 206.200	2008.7	1944.6	0.959253	mg/L		
2	Sc 357.253	400427.0	400427.0	102.7	mg/L		
2	Y 360.064	242915.0	242915.0	102.6	mg/L		
2	Ag 328.068	23518.9	22905.5	0.991692	mg/L		
2	Al 396.140	701909.1	683601.3	99.7469	mg/L		
2	As 188.979	9.5	9.3	0.0475713	mg/L		
2	B 249.773	1116.6	1087.5	-0.0044770	mg/L		
2	Ba 455.403	271438.5	264358.7	0.448907	mg/L		
2	Be 234.861	4636.8	4515.9	0.0500500	mg/L		
2	Ca 315.887	933705.6	909351.9	99.2964	mg/L		
2	Cd 214.438	6214.7	6052.6	0.996707	mg/L		

2	Ce 413.765	-212.4	-206.8	-0.0108424 mg/L
2	Co 228.616	1534.5	1494.5	0.487376 mg/L
2	Cr 205.560	592.0	576.6	0.515552 mg/L
2	Cu 327.394	6661.6	6487.9	0.499396 mg/L
2	Fe 238.204	334160.0	325444.2	39.8310 mg/L
2	K 766.514	2221.7	2163.8	-0.0105962 mg/L
2	Li 670.781	317.8	309.5	-0.0021687 mg/L
2	Mg 279.074	116621.6	113579.7	99.3006 mg/L
2	Mn 257.610	34776.5	33869.4	0.497985 mg/L
2	Mo 202.031	2.3	2.2	-0.0041771 mg/L
2	Na 589.594	3030.7	2951.6	0.0085168 mg/L
2	Ni 231.603	1661.0	1617.6	0.975656 mg/L
2	Pb 220.353	249.1	242.6	0.980928 mg/L
2	Sb 206.831	15.2	14.8	0.0466759 mg/L
2	Se 196.026	67.6	65.8	-0.0712374 mg/L
2	Si 251.611	8811.2	8581.3	-0.216250 mg/L
2	Sn 189.933	-26.3	-25.6	-0.236730 mg/L
2	Sr 407.771	1965.3	1914.1	-0.0011870 mg/L
2	Ti 334.941	2073.7	2019.6	0.0015014 mg/L
2	Tl 190.800	9.6	9.3	-0.0388147 mg/L
2	V 292.402	7051.9	6867.9	0.510081 mg/L
2	Zn 206.200	2002.5	1950.2	0.962056 mg/L

Mean Data

ID: 0A21015-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: 1/21/10 10:19:33 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	401634.1	103.0	0.44	mg/L				0.43%
Y 360.064	243587.1	102.9	0.40	mg/L				0.39%
Ag 328.068	22743.8	0.984688	0.0099058	mg/L				1.01%
Al 396.140	681462.2	99.4347	0.44154	mg/L				0.44%
As 188.979	9.7	0.0504570	0.00408108	mg/L				8.09%
B 249.773	1094.1	-0.0033847	0.00154470	mg/L				45.64%
Ba 455.403	263731.3	0.447803	0.0015622	mg/L				0.35%
Be 234.861	4509.1	0.0499833	0.00009444	mg/L				0.19%
Ca 315.887	906575.5	98.9932	0.42879	mg/L				0.43%
Cd 214.438	6011.7	0.989875	0.0096625	mg/L				0.98%
Ce 413.765	-183.0	-0.0068952	0.00558220	mg/L				80.96%
Co 228.616	1479.1	0.482261	0.0072346	mg/L				1.50%
Cr 205.560	567.1	0.506317	0.0130610	mg/L				2.58%
Cu 327.394	6472.4	0.498200	0.0016913	mg/L				0.34%
Fe 238.204	324323.0	39.6937	0.19413	mg/L				0.49%
K 766.514	2121.7	-0.0247147	0.01996651	mg/L				80.79%
Li 670.781	388.0	-0.0016339	0.00075641	mg/L				46.30%
Mg 279.074	112971.3	98.7685	0.75250	mg/L				0.76%
Mn 257.610	33690.4	0.495356	0.0037181	mg/L				0.75%
Mo 202.031	0.7	-0.0066212	0.00345648	mg/L				52.20%
Na 589.594	2884.0	0.0035045	0.00708849	mg/L				202.27%
Ni 231.603	1618.1	0.975935	0.0003944	mg/L				0.04%
Pb 220.353	240.4	0.971950	0.0126969	mg/L				1.31%
Sb 206.831	8.1	0.0097153	0.05227021	mg/L				538.02%
Se 196.026	65.9	-0.0709650	0.00038531	mg/L				0.54%
Si 251.611	9190.2	-0.0955633	0.17067713	mg/L				178.60%
Sn 189.933	-26.6	-0.247360	0.0150324	mg/L				6.08%
Sr 407.771	1896.4	-0.0012007	0.00001946	mg/L				1.62%
Ti 334.941	1989.6	0.0011432	0.00050653	mg/L				44.31%
Tl 190.800	16.3	0.0069715	0.06475148	mg/L				928.80%
V 292.402	6812.5	0.506131	0.0055860	mg/L				1.10%
Zn 206.200	1947.4	0.960655	0.0019818	mg/L				0.21%

Replicate Data

ID: 0A21015-IFB2 Date: 1/21/10 10:23:02 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	401227.1	401227.1	102.9	mg/L		
1	Y 360.064	243805.0	243805.0	103.0	mg/L		
1	Ag 328.068	-768.6	-747.0	-0.0063318	mg/L		

1	Al 396.140	7868.6	7648.1	1.08622	mg/L
1	As 188.979	196.5	191.0	1.05642	mg/L
1	B 249.773	9393.0	9129.7	0.975524	mg/L
1	Ba 455.403	8450.1	8213.3	-0.0021399	mg/L
1	Be 234.861	91.5	88.9	-0.0001186	mg/L
1	Ca 315.887	48017.4	46671.8	5.10166	mg/L
1	Cd 214.438	133.8	130.0	0.0021492	mg/L
1	Ce 413.765	-220.9	-214.7	-0.0121476	mg/L
1	Co 228.616	76.8	74.6	-0.0047603	mg/L
1	Cr 205.560	21331.9	20734.0	20.1455	mg/L
1	Cu 327.394	277061.5	269296.8	20.3407	mg/L
1	Fe 238.204	190.5	185.2	0.0079188	mg/L
1	K 766.514	2207.5	2145.6	-0.0314286	mg/L
1	Li 670.781	786.5	764.5	0.0009304	mg/L
1	Mg 279.074	6157.7	5985.1	5.13027	mg/L
1	Mn 257.610	1414532.8	1374890.3	20.1951	mg/L
1	Mo 202.031	629.5	611.9	0.982948	mg/L
1	Na 589.594	74917.7	72818.1	5.11395	mg/L
1	Ni 231.603	33332.8	32398.7	20.3709	mg/L
1	Pb 220.353	6.4	6.3	0.0190742	mg/L
1	Sb 206.831	255.0	247.9	1.00416	mg/L
1	Se 196.026	190.9	185.5	1.03388	mg/L
1	Si 251.611	18460.2	17942.9	1.02837	mg/L
1	Sn 189.933	-7.4	-7.1	-0.0390897	mg/L
1	Sr 407.771	706.0	686.2	-0.0021432	mg/L
1	Ti 334.941	1743367.1	1694509.1	20.1587	mg/L
1	Tl 190.800	128.1	124.5	1.06211	mg/L
1	V 292.402	288396.1	280313.7	20.0092	mg/L
1	Zn 206.200	20.7	20.1	-0.0049909	mg/L
2	Sc 357.253	398309.2	398309.2	102.1	mg/L
2	Y 360.064	241836.9	241836.9	102.2	mg/L
2	Ag 328.068	-877.5	-859.1	-0.0108668	mg/L
2	Al 396.140	7923.8	7758.2	1.10229	mg/L
2	As 188.979	181.0	177.2	0.967955	mg/L
2	B 249.773	9468.7	9270.7	0.990819	mg/L
2	Ba 455.403	8417.0	8241.1	-0.0020910	mg/L
2	Be 234.861	111.5	109.1	0.0001334	mg/L
2	Ca 315.887	48121.0	47115.0	5.15014	mg/L
2	Cd 214.438	129.9	127.2	0.0016432	mg/L
2	Ce 413.765	-221.7	-217.1	-0.0125353	mg/L
2	Co 228.616	85.9	84.1	-0.0019638	mg/L
2	Cr 205.560	21315.6	20870.0	20.2778	mg/L
2	Cu 327.394	278065.6	272252.8	20.5640	mg/L
2	Fe 238.204	194.4	190.3	0.0085513	mg/L
2	K 766.514	1989.3	1947.7	-0.0973294	mg/L
2	Li 670.781	968.4	948.2	0.0021819	mg/L
2	Mg 279.074	6139.1	6010.8	5.15164	mg/L
2	Mn 257.610	1421262.9	1391552.0	20.4399	mg/L
2	Mo 202.031	641.3	627.9	1.00887	mg/L
2	Na 589.594	74965.2	73398.1	5.15648	mg/L
2	Ni 231.603	33200.1	32506.0	20.4385	mg/L
2	Pb 220.353	-6.1	-6.0	-0.0306901	mg/L
2	Sb 206.831	255.3	250.0	1.01362	mg/L
2	Se 196.026	183.8	180.0	0.990115	mg/L
2	Si 251.611	18823.5	18430.0	1.11163	mg/L
2	Sn 189.933	-6.0	-5.9	-0.0256708	mg/L
2	Sr 407.771	684.6	670.3	-0.0021556	mg/L
2	Ti 334.941	1752005.6	1715380.7	20.4073	mg/L
2	Tl 190.800	142.8	139.8	1.16788	mg/L
2	V 292.402	289751.5	283694.3	20.2504	mg/L
2	Zn 206.200	24.7	24.2	-0.0030780	mg/L

Mean Data

ID: 0A21015-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: 1/21/10 10:23:02 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	399768.2	102.5	0.53	mg/L				0.52%
Y 360.064	242821.0	102.6	0.59	mg/L				0.57%

Ag 328.068	-803.1	-0.0085993	0.00320670	mg/L	37.29%
Al 396.140	7703.1	1.09426	0.011363	mg/L	1.04%
As 188.979	184.1	1.01219	0.062557	mg/L	6.18%
B 249.773	9200.2	0.983171	0.0108152	mg/L	1.10%
Ba 455.403	8227.2	-0.0021154	0.00003459	mg/L	1.64%
Be 234.861	99.0	0.0000074	0.00017819	mg/L	>999.9%
Ca 315.887	46893.4	5.12590	0.034276	mg/L	0.67%
Cd 214.438	128.6	0.0018962	0.00035780	mg/L	18.87%
Ce 413.765	-215.9	-0.0123415	0.00027411	mg/L	2.22%
Co 228.616	79.4	-0.0033620	0.00197739	mg/L	58.82%
Cr 205.560	20802.0	20.2117	0.09359	mg/L	0.46%
Cu 327.394	270774.8	20.4523	0.15790	mg/L	0.77%
Fe 238.204	187.7	0.0082351	0.00044727	mg/L	5.43%
K 766.514	2046.7	-0.0643790	0.04659887	mg/L	72.38%
Li 670.781	856.3	0.0015562	0.00088492	mg/L	56.86%
Mg 279.074	5998.0	5.14096	0.015108	mg/L	0.29%
Mn 257.610	1383221.2	20.3175	0.17305	mg/L	0.85%
Mo 202.031	619.9	0.995908	0.0183290	mg/L	1.84%
Na 589.594	73108.1	5.13522	0.030074	mg/L	0.59%
Ni 231.603	32452.3	20.4047	0.04783	mg/L	0.23%
Pb 220.353	0.1	-0.0058079	0.03518869	mg/L	605.87%
Sb 206.831	248.9	1.00889	0.006689	mg/L	0.66%
Se 196.026	182.8	1.01200	0.030949	mg/L	3.06%
Si 251.611	18186.4	1.07000	0.058872	mg/L	5.50%
Sn 189.933	-6.5	-0.0323802	0.00948860	mg/L	29.30%
Sr 407.771	678.2	-0.0021494	0.00000876	mg/L	0.41%
Ti 334.941	1704944.9	20.2830	0.17577	mg/L	0.87%
Tl 190.800	132.2	1.11499	0.074791	mg/L	6.71%
V 292.402	282004.0	20.1298	0.17060	mg/L	0.85%
Zn 206.200	22.1	-0.0040344	0.00135261	mg/L	33.53%

Replicate Data

ID: 0A21015-CCV Date: 1/21/10 10:26:29 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	397592.6	397592.6	102.0	mg/L		
1	Y 360.064	241397.1	241397.1	102.0	mg/L		
1	Ag 328.068	11844.6	11617.9	0.502652	mg/L		
1	Al 396.140	17682.3	17343.8	2.50139	mg/L		
1	As 188.979	407.0	399.2	2.49305	mg/L		
1	B 249.773	4876.5	4783.1	0.504056	mg/L		
1	Ba 455.403	300027.1	294284.6	0.501604	mg/L		
1	Be 234.861	4229.2	4148.3	0.0504005	mg/L		
1	Ca 315.887	47024.5	46124.5	5.02983	mg/L		
1	Cd 214.438	3163.2	3102.7	0.510550	mg/L		
1	Ce 413.765	-14.7	-14.4	0.0209535	mg/L		
1	Co 228.616	1523.9	1494.8	0.503224	mg/L		
1	Cr 205.560	585.0	573.8	0.512824	mg/L		
1	Cu 327.394	6867.5	6736.0	0.507570	mg/L		
1	Fe 238.204	4362.3	4278.8	0.509126	mg/L		
1	K 766.514	17800.8	17460.1	5.06686	mg/L		
1	Li 670.781	75798.9	74348.1	0.502130	mg/L		
1	Mg 279.074	5916.2	5803.0	5.04779	mg/L		
1	Mn 257.610	34991.4	34321.6	0.504627	mg/L		
1	Mo 202.031	319.0	312.9	0.498815	mg/L		
1	Na 589.594	73053.5	71655.2	5.01217	mg/L		
1	Ni 231.603	893.6	876.5	0.508687	mg/L		
1	Pb 220.353	123.4	121.0	0.485990	mg/L		
1	Sb 206.831	478.3	469.2	2.54868	mg/L		
1	Se 196.026	389.3	381.8	2.49948	mg/L		
1	Si 251.611	23436.4	22987.8	2.96169	mg/L		
1	Sn 189.933	237.7	233.2	2.53635	mg/L		
1	Sr 407.771	660380.3	647740.6	0.501738	mg/L		
1	Ti 334.941	44964.5	44103.9	0.502717	mg/L		
1	Tl 190.800	404.0	396.3	2.52000	mg/L		
1	V 292.402	6925.7	6793.2	0.504750	mg/L		
1	Zn 206.200	1033.3	1013.6	0.498998	mg/L		
2	Sc 357.253	398059.8	398059.8	102.1	mg/L		
2	Y 360.064	241765.1	241765.1	102.2	mg/L		

2	Ag 328.068	11959.5	11716.8	0.506940 mg/L
2	Al 396.140	17848.6	17486.4	2.52220 mg/L
2	As 188.979	425.6	417.0	2.60449 mg/L
2	B 249.773	5008.1	4906.5	0.517435 mg/L
2	Ba 455.403	302878.7	296733.0	0.505915 mg/L
2	Be 234.861	4251.2	4165.0	0.0506081 mg/L
2	Ca 315.887	47619.7	46653.5	5.08757 mg/L
2	Cd 214.438	3159.2	3095.1	0.509279 mg/L
2	Ce 413.765	-137.6	-134.8	0.0010585 mg/L
2	Co 228.616	1538.2	1507.0	0.507328 mg/L
2	Cr 205.560	582.3	570.5	0.509589 mg/L
2	Cu 327.394	6839.5	6700.7	0.504902 mg/L
2	Fe 238.204	4389.3	4300.2	0.511745 mg/L
2	K 766.514	17830.1	17468.3	5.06963 mg/L
2	Li 670.781	76202.4	74656.2	0.504229 mg/L
2	Mg 279.074	5981.2	5859.9	5.09751 mg/L
2	Mn 257.610	35248.0	34532.8	0.507729 mg/L
2	Mo 202.031	321.1	314.5	0.501492 mg/L
2	Na 589.594	73850.4	72351.9	5.06308 mg/L
2	Ni 231.603	892.5	874.4	0.507352 mg/L
2	Pb 220.353	124.1	121.6	0.488242 mg/L
2	Sb 206.831	479.9	470.2	2.55437 mg/L
2	Se 196.026	387.3	379.5	2.48037 mg/L
2	Si 251.611	23078.2	22609.9	2.88802 mg/L
2	Sn 189.933	237.7	232.9	2.53353 mg/L
2	Sr 407.771	667036.7	653501.8	0.506224 mg/L
2	Ti 334.941	45288.9	44369.9	0.505885 mg/L
2	Tl 190.800	407.1	398.9	2.53682 mg/L
2	V 292.402	6962.6	6821.3	0.506754 mg/L
2	Zn 206.200	1040.2	1019.0	0.501712 mg/L

Mean Data

ID: 0A21015-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: 1/21/10 10:26:29 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	397826.2	102.0	0.08	mg/L				0.08%
Y 360.064	241581.1	102.1	0.11	mg/L				0.11%
Ag 328.068	11667.4	0.504796	0.0030321	mg/L				0.60%
Al 396.140	17415.1	2.51180	0.014716	mg/L				0.59%
As 188.979	408.1	2.54877	0.078795	mg/L				3.09%
B 249.773	4844.8	0.510746	0.0094605	mg/L				1.85%
Ba 455.403	295508.8	0.503760	0.0030486	mg/L				0.61%
Be 234.861	4156.6	0.0505043	0.00014677	mg/L				0.29%
Ca 315.887	46389.0	5.05870	0.040827	mg/L				0.81%
Cd 214.438	3098.9	0.509914	0.0008987	mg/L				0.18%
Ce 413.765	-74.6	0.0110060	0.01406784	mg/L				127.82%
Co 228.616	1500.9	0.505276	0.0029020	mg/L				0.57%
Cr 205.560	572.1	0.511207	0.0022872	mg/L				0.45%
Cu 327.394	6718.4	0.506236	0.0018864	mg/L				0.37%
Fe 238.204	4289.5	0.510436	0.0018516	mg/L				0.36%
K 766.514	17464.2	5.06825	0.001954	mg/L				0.04%
Li 670.781	74502.2	0.503180	0.0014839	mg/L				0.29%
Mg 279.074	5831.4	5.07265	0.035157	mg/L				0.69%
Mn 257.610	34427.2	0.506178	0.0021933	mg/L				0.43%
Mo 202.031	313.7	0.500153	0.0018929	mg/L				0.38%
Na 589.594	72003.6	5.03763	0.035995	mg/L				0.71%
Ni 231.603	875.5	0.508019	0.0009439	mg/L				0.19%
Pb 220.353	121.3	0.487116	0.0015925	mg/L				0.33%
Sb 206.831	469.7	2.55153	0.004022	mg/L				0.16%
Se 196.026	380.6	2.48992	0.013517	mg/L				0.54%
Si 251.611	22798.9	2.92485	0.052096	mg/L				1.78%
*QC exceeds upper limit for Si 251.611		Recovery = 116.99%		Action = Continue				
Sn 189.933	233.0	2.53494	0.001991	mg/L				0.08%
Sr 407.771	650621.2	0.503981	0.0031724	mg/L				0.63%
Ti 334.941	44236.9	0.504301	0.0022401	mg/L				0.44%
Tl 190.800	397.6	2.52841	0.011889	mg/L				0.47%
V 292.402	6807.2	0.505752	0.0014175	mg/L				0.28%
Zn 206.200	1016.3	0.500355	0.0019192	mg/L				0.38%

Replicate Data

ID: 0A21015-CCB Date: 1/21/10 10:29:45 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	392289.7	392289.7	100.6	mg/L		
1	Y 360.064	238404.7	238404.7	100.7	mg/L		
1	Ag 328.068	-86.5	-86.0	-0.0044235	mg/L		
1	Al 396.140	134.1	133.3	-0.0106087	mg/L		
1	As 188.979	12.7	12.6	0.0687508	mg/L		
1	B 249.773	196.2	195.0	0.0063963	mg/L		
1	Ba 455.403	8639.0	8588.2	-0.0014798	mg/L		
1	Be 234.861	91.8	91.2	-0.0000897	mg/L		
1	Ca 315.887	-264.8	-263.2	-0.0323124	mg/L		
1	Cd 214.438	49.5	49.2	-0.0015547	mg/L		
1	Ce 413.765	-150.9	-150.1	-0.0014569	mg/L		
1	Co 228.616	-17.3	-17.2	-0.0040476	mg/L		
1	Cr 205.560	46.8	46.5	-0.0015404	mg/L		
1	Cu 327.394	37.2	37.0	0.0018615	mg/L		
1	Fe 238.204	126.8	126.0	0.0006820	mg/L		
1	K 766.514	2174.1	2161.4	-0.0357243	mg/L		
1	Li 670.781	458.9	456.2	-0.0011692	mg/L		
1	Mg 279.074	1.5	1.5	-0.0259168	mg/L		
1	Mn 257.610	-180.3	-179.3	-0.0021287	mg/L		
1	Mo 202.031	4.1	4.1	-0.0011687	mg/L		
1	Na 589.594	2691.4	2675.6	-0.0278337	mg/L		
1	Ni 231.603	91.1	90.5	0.0134117	mg/L		
1	Pb 220.353	-1.0	-1.0	-0.0102722	mg/L		
1	Sb 206.831	5.6	5.6	-0.0045204	mg/L		
1	Se 196.026	79.3	78.8	0.0342585	mg/L		
1	Si 251.611	6825.6	6785.4	-0.197376	mg/L		
1	Sn 189.933	-1.6	-1.6	0.0206834	mg/L		
1	Sr 407.771	925.8	920.3	-0.0019608	mg/L		
1	Ti 334.941	1894.6	1883.5	-0.0001203	mg/L		
1	Tl 190.800	10.7	10.7	-0.0300527	mg/L		
1	V 292.402	-252.3	-250.9	0.0024120	mg/L		
1	Zn 206.200	7.3	7.2	0.0015062	mg/L		
2	Sc 357.253	390274.6	390274.6	100.1	mg/L		
2	Y 360.064	237085.4	237085.4	100.2	mg/L		
2	Ag 328.068	34.6	34.6	0.0008008	mg/L		
2	Al 396.140	62.7	62.6	-0.0209316	mg/L		
2	As 188.979	5.3	5.3	0.0225006	mg/L		
2	B 249.773	185.9	185.7	0.0053869	mg/L		
2	Ba 455.403	8520.5	8514.1	-0.0016102	mg/L		
2	Be 234.861	77.9	77.8	-0.0002562	mg/L		
2	Ca 315.887	-119.3	-119.3	-0.0165963	mg/L		
2	Cd 214.438	52.9	52.8	-0.0009510	mg/L		
2	Ce 413.765	-173.6	-173.4	-0.0053193	mg/L		
2	Co 228.616	-11.4	-11.4	-0.0020816	mg/L		
2	Cr 205.560	59.5	59.5	0.0111078	mg/L		
2	Cu 327.394	-52.7	-52.6	-0.0049047	mg/L		
2	Fe 238.204	141.3	141.2	0.0025392	mg/L		
2	K 766.514	2177.1	2175.5	-0.0310199	mg/L		
2	Li 670.781	401.6	401.3	-0.0015429	mg/L		
2	Mg 279.074	-42.9	-42.9	-0.0647799	mg/L		
2	Mn 257.610	-181.9	-181.8	-0.0021652	mg/L		
2	Mo 202.031	4.8	4.8	-0.0000612	mg/L		
2	Na 589.594	2759.9	2757.8	-0.0218209	mg/L		
2	Ni 231.603	80.8	80.7	0.0072368	mg/L		
2	Pb 220.353	-5.2	-5.2	-0.0274018	mg/L		
2	Sb 206.831	0.6	0.6	-0.0319434	mg/L		
2	Se 196.026	92.2	92.1	0.142282	mg/L		
2	Si 251.611	6093.0	6088.5	-0.333264	mg/L		
2	Sn 189.933	-0.3	-0.3	0.0346791	mg/L		
2	Sr 407.771	804.6	804.0	-0.0020514	mg/L		
2	Ti 334.941	1774.3	1773.0	-0.0014361	mg/L		
2	Tl 190.800	27.5	27.5	0.0809529	mg/L		
2	V 292.402	-300.0	-299.8	-0.0010772	mg/L		
2	Zn 206.200	5.7	5.7	0.0007677	mg/L		

Mean Data

ID: 0A21015-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: 1/21/10 10:29:45 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	391282.2	100.3	0.37	mg/L				0.36%
Y 360.064	237745.0	100.5	0.39	mg/L				0.39%
Ag 328.068	-25.7	-0.0018113	0.00369410	mg/L				203.94%
Al 396.140	98.0	-0.0157701	0.00729939	mg/L				46.29%
As 188.979	9.0	0.0456257	0.03270384	mg/L				71.68%
B 249.773	190.4	0.0058916	0.00071371	mg/L				12.11%
Ba 455.403	8551.1	-0.0015450	0.00009220	mg/L				5.97%
Be 234.861	84.5	-0.0001730	0.00011780	mg/L				68.11%
Ca 315.887	-191.2	-0.0244544	0.01111290	mg/L				45.44%
Cd 214.438	51.0	-0.0012528	0.00042689	mg/L				34.07%
Ce 413.765	-161.7	-0.0033881	0.00273110	mg/L				80.61%
Co 228.616	-14.3	-0.0030646	0.00139019	mg/L				45.36%
Cr 205.560	53.0	0.0047837	0.00894370	mg/L				186.96%
Cu 327.394	-7.8	-0.0015216	0.00478441	mg/L				314.43%
Fe 238.204	133.6	0.0016106	0.00131325	mg/L				81.54%
K 766.514	2168.4	-0.0333721	0.00332648	mg/L				9.97%
Li 670.781	428.8	-0.0013561	0.00026427	mg/L				19.49%
Mg 279.074	-20.7	-0.0453484	0.02748031	mg/L				60.60%
Mn 257.610	-180.5	-0.0021469	0.00002586	mg/L				1.20%
Mo 202.031	4.4	-0.0006149	0.00078308	mg/L				127.34%
Na 589.594	2716.7	-0.0248273	0.00425168	mg/L				17.12%
Ni 231.603	85.6	0.0103242	0.00436630	mg/L				42.29%
Pb 220.353	-3.1	-0.0188370	0.01211244	mg/L				64.30%
Sb 206.831	3.1	-0.0182319	0.01939098	mg/L				106.36%
Se 196.026	85.4	0.0882700	0.07638381	mg/L				86.53%
Si 251.611	6436.9	-0.265320	0.0960870	mg/L				36.22%
Sn 189.933	-0.9	0.0276813	0.00989650	mg/L				35.75%
Sr 407.771	862.1	-0.0020061	0.00006407	mg/L				3.19%
Ti 334.941	1828.2	-0.0007782	0.00093042	mg/L				119.55%
Tl 190.800	19.1	0.0254501	0.07849275	mg/L				308.42%
V 292.402	-275.3	0.0006674	0.00246722	mg/L				369.68%
Zn 206.200	6.5	0.0011369	0.00052214	mg/L				45.92%

Replicate Data

ID: 1000389-BLK1 Date: 1/21/10 10:32:53 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	402295.2	402295.2	103.2	mg/L		
1	Y 360.064	244946.7	244946.7	103.5	mg/L		
1	Ag 328.068	-62.2	-60.3	-0.0033111	mg/L	-0.0033111	mg/L
1	Al 396.140	-0.7	-0.6	-0.0301645	mg/L	-0.0301645	mg/L
1	As 188.979	9.7	9.4	0.0484292	mg/L	0.0484292	mg/L
1	B 249.773	112.0	108.6	-0.0029832	mg/L	-0.0029832	mg/L
1	Ba 455.403	8537.1	8275.8	-0.0020298	mg/L	-0.0020298	mg/L
1	Be 234.861	73.4	71.2	-0.0003389	mg/L	-0.0003389	mg/L
1	Ca 315.887	629.2	610.0	0.0630154	mg/L	0.0630154	mg/L
1	Cd 214.438	52.7	51.1	-0.0012475	mg/L	-0.0012475	mg/L
1	Ce 413.765	-137.0	-132.9	0.0013849	mg/L	0.0013849	mg/L
1	Co 228.616	-2.2	-2.2	0.0010105	mg/L	0.0010105	mg/L
1	Cr 205.560	47.8	46.3	-0.0017170	mg/L	-0.0017170	mg/L
1	Cu 327.394	-66.2	-64.2	-0.0057786	mg/L	-0.0057786	mg/L
1	Fe 238.204	148.2	143.6	0.0028336	mg/L	0.0028336	mg/L
1	K 766.514	2039.5	1977.0	-0.0971900	mg/L	-0.0971900	mg/L
1	Li 670.781	293.2	284.2	-0.0023409	mg/L	-0.0023409	mg/L
1	Mg 279.074	-35.9	-34.8	-0.0577341	mg/L	-0.0577341	mg/L
1	Mn 257.610	-181.2	-175.7	-0.0020756	mg/L	-0.0020756	mg/L
1	Mo 202.031	7.3	7.1	0.0037071	mg/L	0.0037071	mg/L
1	Na 589.594	2724.1	2640.7	-0.0303824	mg/L	-0.0303824	mg/L
1	Ni 231.603	67.9	65.8	-0.0021502	mg/L	-0.0021502	mg/L
1	Pb 220.353	-3.2	-3.1	-0.0191163	mg/L	-0.0191163	mg/L
1	Sb 206.831	5.6	5.4	-0.0054425	mg/L	-0.0054425	mg/L
1	Se 196.026	81.2	78.7	0.0336487	mg/L	0.0336487	mg/L
1	Si 251.611	8420.5	8162.8	0.0711826	mg/L	0.0711826	mg/L

1 Sn 189.933	0.6	0.6	0.0436150 mg/L	0.0436150 mg/L	
1 Sr 407.771	673.8	653.1	-0.0021689 mg/L	-0.0021689 mg/L	
1 Ti 334.941	1894.5	1836.5	-0.0006795 mg/L	-0.0006795 mg/L	
1 Tl 190.800	19.3	18.7	0.0229086 mg/L	0.0229086 mg/L	
1 V 292.402	-302.6	-293.4	-0.0006195 mg/L	-0.0006195 mg/L	
1 Zn 206.200	41.6	40.3	0.0178487 mg/L	0.0178487 mg/L	
2 Sc 357.253	404294.3	404294.3	103.7 mg/L		
2 Y 360.064	246208.4	246208.4	104.0 mg/L		
2 Ag 328.068	-26.2	-25.3	-0.0017934 mg/L	-0.0017934 mg/L	
2 Al 396.140	35.4	34.1	-0.0250918 mg/L	-0.0250918 mg/L	
2 As 188.979	7.7	7.5	0.0362678 mg/L	0.0362678 mg/L	
2 B 249.773	138.2	133.3	-0.0003004 mg/L	-0.0003004 mg/L	
2 Ba 455.403	8511.7	8210.4	-0.0021450 mg/L	-0.0021450 mg/L	
2 Be 234.861	84.1	81.2	-0.0002149 mg/L	-0.0002149 mg/L	
2 Ca 315.887	552.2	532.6	0.0545715 mg/L	0.0545715 mg/L	
2 Cd 214.438	47.0	45.4	-0.0022026 mg/L	-0.0022026 mg/L	
2 Ce 413.765	-261.5	-252.2	-0.0183366 mg/L	-0.0183366 mg/L	
2 Co 228.616	-8.2	-7.9	-0.0009120 mg/L	-0.0009120 mg/L	
2 Cr 205.560	51.2	49.4	0.0012788 mg/L	0.0012788 mg/L	
2 Cu 327.394	-29.3	-28.2	-0.0030621 mg/L	-0.0030621 mg/L	
2 Fe 238.204	115.4	111.3	-0.0011208 mg/L	-0.0011208 mg/L	
2 K 766.514	2011.5	1940.3	-0.109440 mg/L	-0.109440 mg/L	
2 Li 670.781	358.2	345.6	-0.0019228 mg/L	-0.0019228 mg/L	
2 Mg 279.074	-37.5	-36.1	-0.0588579 mg/L	-0.0588579 mg/L	
2 Mn 257.610	-187.7	-181.1	-0.0021549 mg/L	-0.0021549 mg/L	
2 Mo 202.031	0.5	0.5	-0.0069693 mg/L	-0.0069693 mg/L	
2 Na 589.594	2736.2	2639.4	-0.0304790 mg/L	-0.0304790 mg/L	
2 Ni 231.603	64.0	61.8	-0.0047045 mg/L	-0.0047045 mg/L	
2 Pb 220.353	-2.5	-2.4	-0.0160955 mg/L	-0.0160955 mg/L	
2 Sb 206.831	-3.8	-3.7	-0.0553264 mg/L	-0.0553264 mg/L	
2 Se 196.026	70.2	67.7	-0.0562844 mg/L	-0.0562844 mg/L	
2 Si 251.611	8001.4	7718.1	-0.0155225 mg/L	-0.0155225 mg/L	
2 Sn 189.933	-0.7	-0.6	0.0306784 mg/L	0.0306784 mg/L	
2 Sr 407.771	586.4	565.6	-0.0022371 mg/L	-0.0022371 mg/L	
2 Ti 334.941	1811.7	1747.6	-0.0017384 mg/L	-0.0017384 mg/L	
2 Tl 190.800	11.1	10.7	-0.0295490 mg/L	-0.0295490 mg/L	
2 V 292.402	-317.2	-306.0	-0.0015168 mg/L	-0.0015168 mg/L	
2 Zn 206.200	35.8	34.5	0.0149863 mg/L	0.0149863 mg/L	

Mean Data

ID: 1000389-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: 1/21/10 10:32:53 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	403294.8	103.4	0.36	mg/L				0.35%
Y 360.064	245577.6	103.8	0.38	mg/L				0.36%
Ag 328.068	-42.8	-0.0025523	0.00107315	mg/L	-0.0025523	0.00107315	mg/L	42.05%
Al 396.140	16.7	-0.0276282	0.00358699	mg/L	-0.0276282	0.00358699	mg/L	12.98%
As 188.979	8.4	0.0423485	0.00859937	mg/L	0.0423485	0.00859937	mg/L	20.31%
B 249.773	120.9	-0.0016418	0.00189703	mg/L	-0.0016418	0.00189703	mg/L	115.55%
Ba 455.403	8243.1	-0.0020874	0.00008147	mg/L	-0.0020874	0.00008147	mg/L	3.90%
Be 234.861	76.2	-0.0002769	0.00008770	mg/L	-0.0002769	0.00008770	mg/L	31.67%
Ca 315.887	571.3	0.0587934	0.00597073	mg/L	0.0587934	0.00597073	mg/L	10.16%
Cd 214.438	48.2	-0.0017250	0.00067538	mg/L	-0.0017250	0.00067538	mg/L	39.15%
Ce 413.765	-192.5	-0.0084758	0.01394520	mg/L	-0.0084758	0.01394520	mg/L	164.53%
Co 228.616	-5.0	0.0000492	0.00135947	mg/L	0.0000492	0.00135947	mg/L	>999.9%
Cr 205.560	47.8	-0.0002191	0.00211836	mg/L	-0.0002191	0.00211836	mg/L	966.71%
Cu 327.394	-46.2	-0.0044204	0.00192085	mg/L	-0.0044204	0.00192085	mg/L	43.45%
Fe 238.204	127.5	0.0008564	0.00279615	mg/L	0.0008564	0.00279615	mg/L	326.49%
K 766.514	1958.7	-0.103315	0.0086618	mg/L	-0.103315	0.0086618	mg/L	8.38%
Li 670.781	314.9	-0.0021318	0.00029559	mg/L	-0.0021318	0.00029559	mg/L	13.87%
Mg 279.074	-35.5	-0.0582960	0.00079465	mg/L	-0.0582960	0.00079465	mg/L	1.36%
Mn 257.610	-178.4	-0.0021153	0.00005605	mg/L	-0.0021153	0.00005605	mg/L	2.65%
Mo 202.031	3.8	-0.0016311	0.00754937	mg/L	-0.0016311	0.00754937	mg/L	462.84%
Na 589.594	2640.0	-0.0304307	0.00006834	mg/L	-0.0304307	0.00006834	mg/L	0.22%
Ni 231.603	63.8	-0.0034274	0.00180613	mg/L	-0.0034274	0.00180613	mg/L	52.70%
Pb 220.353	-2.8	-0.0176059	0.00213606	mg/L	-0.0176059	0.00213606	mg/L	12.13%
Sb 206.831	0.9	-0.0303845	0.03527325	mg/L	-0.0303845	0.03527325	mg/L	116.09%
Se 196.026	73.2	-0.0113179	0.06359228	mg/L	-0.0113179	0.06359228	mg/L	561.88%

Si 251.611	7940.5	0.0278300	0.06130974 mg/L	0.0278300	0.06130974 mg/L	220.30%
Sn 189.933	-0.0	0.0371467	0.00914752 mg/L	0.0371467	0.00914752 mg/L	24.63%
Sr 407.771	609.4	-0.0022030	0.00004819 mg/L	-0.0022030	0.00004819 mg/L	2.19%
Ti 334.941	1792.1	-0.0012090	0.00074876 mg/L	-0.0012090	0.00074876 mg/L	61.93%
Tl 190.800	14.7	-0.0033202	0.03709306 mg/L	-0.0033202	0.03709306 mg/L	>999.9%
V 292.402	-299.7	-0.0010682	0.00063455 mg/L	-0.0010682	0.00063455 mg/L	59.41%
Zn 206.200	37.4	0.0164175	0.00202400 mg/L	0.0164175	0.00202400 mg/L	12.33%

Replicate Data

ID: 1000389-BS1 Date: 1/21/10 10:36:09 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	409106.0	409106.0	104.9	mg/L		
1	Y 360.064	249268.0	249268.0	105.3	mg/L		
1	Ag 328.068	5910.1	5633.9	0.243393	mg/L	0.243393	mg/L
1	Al 396.140	8823.4	8410.9	1.19757	mg/L	1.19757	mg/L
1	As 188.979	219.0	208.8	1.29864	mg/L	1.29864	mg/L
1	B 249.773	2376.8	2265.7	0.231002	mg/L	0.231002	mg/L
1	Ba 455.403	156867.4	149534.7	0.246713	mg/L	0.246713	mg/L
1	Be 234.861	2186.4	2084.2	0.0247130	mg/L	0.0247130	mg/L
1	Ca 315.887	120806.2	115159.2	12.5690	mg/L	12.5690	mg/L
1	Cd 214.438	1613.2	1537.8	0.248098	mg/L	0.248098	mg/L
1	Ce 413.765	-83.2	-79.3	0.0102351	mg/L	0.0102351	mg/L
1	Co 228.616	772.7	736.5	0.248837	mg/L	0.248837	mg/L
1	Cr 205.560	330.0	314.6	0.259941	mg/L	0.259941	mg/L
1	Cu 327.394	3400.9	3241.9	0.243801	mg/L	0.243801	mg/L
1	Fe 238.204	2301.2	2193.7	0.253832	mg/L	0.253832	mg/L
1	K 766.514	41088.5	39167.9	12.3062	mg/L	12.3062	mg/L
1	Li 670.781	38470.4	36672.2	0.245508	mg/L	0.245508	mg/L
1	Mg 279.074	14971.9	14272.0	12.4557	mg/L	12.4557	mg/L
1	Mn 257.610	17728.0	16899.3	0.248725	mg/L	0.248725	mg/L
1	Mo 202.031	172.9	164.8	0.259070	mg/L	0.259070	mg/L
1	Na 589.594	180411.0	171977.8	12.3459	mg/L	12.3459	mg/L
1	Ni 231.603	485.8	463.0	0.248143	mg/L	0.248143	mg/L
1	Pb 220.353	64.1	61.1	0.242361	mg/L	0.242361	mg/L
1	Sb 206.831	250.7	239.0	1.28101	mg/L	1.28101	mg/L
1	Se 196.026	233.3	222.4	1.20263	mg/L	1.20263	mg/L
1	Si 251.611	11172.5	10650.3	0.556175	mg/L	0.556175	mg/L
1	Sn 189.933	122.4	116.7	1.28767	mg/L	1.28767	mg/L
1	Sr 407.771	337086.2	321329.3	0.247551	mg/L	0.247551	mg/L
1	Ti 334.941	23865.2	22749.7	0.248392	mg/L	0.248392	mg/L
1	Tl 190.800	211.2	201.3	1.23051	mg/L	1.23051	mg/L
1	V 292.402	3360.5	3203.5	0.248754	mg/L	0.248754	mg/L
1	Zn 206.200	541.2	515.9	0.252970	mg/L	0.252970	mg/L
2	Sc 357.253	411268.2	411268.2	105.5	mg/L		
2	Y 360.064	250947.3	250947.3	106.0	mg/L		
2	Ag 328.068	5797.8	5497.7	0.237493	mg/L	0.237493	mg/L
2	Al 396.140	8897.6	8437.1	1.20139	mg/L	1.20139	mg/L
2	As 188.979	218.4	207.1	1.28844	mg/L	1.28844	mg/L
2	B 249.773	2413.4	2288.5	0.233467	mg/L	0.233467	mg/L
2	Ba 455.403	156452.0	148354.7	0.244636	mg/L	0.244636	mg/L
2	Be 234.861	2158.4	2046.7	0.0242464	mg/L	0.0242464	mg/L
2	Ca 315.887	120844.9	114590.5	12.5069	mg/L	12.5069	mg/L
2	Cd 214.438	1621.1	1537.2	0.248003	mg/L	0.248003	mg/L
2	Ce 413.765	-173.3	-164.3	-0.0038125	mg/L	-0.0038125	mg/L
2	Co 228.616	779.7	739.3	0.249777	mg/L	0.249777	mg/L
2	Cr 205.560	310.4	294.3	0.240228	mg/L	0.240228	mg/L
2	Cu 327.394	3486.4	3305.9	0.248631	mg/L	0.248631	mg/L
2	Fe 238.204	2244.0	2127.9	0.245779	mg/L	0.245779	mg/L
2	K 766.514	41117.4	38989.3	12.2466	mg/L	12.2466	mg/L
2	Li 670.781	38405.1	36417.5	0.243773	mg/L	0.243773	mg/L
2	Mg 279.074	14950.2	14176.5	12.3722	mg/L	12.3722	mg/L
2	Mn 257.610	17692.6	16776.9	0.246926	mg/L	0.246926	mg/L
2	Mo 202.031	168.9	160.1	0.251471	mg/L	0.251471	mg/L
2	Na 589.594	179964.8	170650.5	12.2489	mg/L	12.2489	mg/L
2	Ni 231.603	493.4	467.8	0.251154	mg/L	0.251154	mg/L
2	Pb 220.353	64.4	61.0	0.241977	mg/L	0.241977	mg/L
2	Sb 206.831	234.4	222.3	1.18886	mg/L	1.18886	mg/L
2	Se 196.026	238.9	226.5	1.23610	mg/L	1.23610	mg/L

2 Si 251.611	10355.3	9819.4	0.394176 mg/L	0.394176 mg/L
2 Sn 189.933	118.9	112.7	1.24559 mg/L	1.24559 mg/L
2 Sr 407.771	337044.9	319600.9	0.246205 mg/L	0.246205 mg/L
2 Ti 334.941	23883.7	22647.6	0.247177 mg/L	0.247177 mg/L
2 Tl 190.800	216.1	204.9	1.25445 mg/L	1.25445 mg/L
2 V 292.402	3372.6	3198.1	0.248368 mg/L	0.248368 mg/L
2 Zn 206.200	532.0	504.4	0.247297 mg/L	0.247297 mg/L

Mean Data

ID: 1000389-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: 1/21/10 10:36:09 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	410187.1	105.2	0.39	mg/L				0.37%
Y 360.064	250107.6	105.7	0.50	mg/L				0.47%
Ag 328.068	5565.8	0.240443	0.0041723	mg/L	0.240443	0.0041723	mg/L	1.74%
Al 396.140	8424.0	1.19948	0.002701	mg/L	1.19948	0.002701	mg/L	0.23%
As 188.979	207.9	1.29354	0.007212	mg/L	1.29354	0.007212	mg/L	0.56%
B 249.773	2277.1	0.232234	0.0017433	mg/L	0.232234	0.0017433	mg/L	0.75%
Ba 455.403	148944.7	0.245674	0.0014693	mg/L	0.245674	0.0014693	mg/L	0.60%
Be 234.861	2065.5	0.0244797	0.00032989	mg/L	0.0244797	0.00032989	mg/L	1.35%
Ca 315.887	114874.9	12.5379	0.04390	mg/L	12.5379	0.04390	mg/L	0.35%
Cd 214.438	1537.5	0.248050	0.0000667	mg/L	0.248050	0.0000667	mg/L	0.03%
Ce 413.765	-121.8	0.0032113	0.00993313	mg/L	0.0032113	0.00993313	mg/L	309.32%
Co 228.616	737.9	0.249307	0.0006649	mg/L	0.249307	0.0006649	mg/L	0.27%
Cr 205.560	304.5	0.250085	0.0139389	mg/L	0.250085	0.0139389	mg/L	5.57%
Cu 327.394	3273.9	0.246216	0.0034148	mg/L	0.246216	0.0034148	mg/L	1.39%
Fe 238.204	2160.8	0.249805	0.0056943	mg/L	0.249805	0.0056943	mg/L	2.28%
K 766.514	39078.6	12.2764	0.04210	mg/L	12.2764	0.04210	mg/L	0.34%
Li 670.781	36544.8	0.244641	0.0012267	mg/L	0.244641	0.0012267	mg/L	0.50%
Mg 279.074	14224.2	12.4139	0.05909	mg/L	12.4139	0.05909	mg/L	0.48%
Mn 257.610	16838.1	0.247826	0.0012721	mg/L	0.247826	0.0012721	mg/L	0.51%
Mo 202.031	162.5	0.255270	0.0053733	mg/L	0.255270	0.0053733	mg/L	2.10%
Na 589.594	171314.2	12.2974	0.06858	mg/L	12.2974	0.06858	mg/L	0.56%
Ni 231.603	465.4	0.249649	0.0021290	mg/L	0.249649	0.0021290	mg/L	0.85%
Pb 220.353	61.1	0.242169	0.0002715	mg/L	0.242169	0.0002715	mg/L	0.11%
Sb 206.831	230.6	1.23494	0.065163	mg/L	1.23494	0.065163	mg/L	5.28%
Se 196.026	224.5	1.21937	0.023667	mg/L	1.21937	0.023667	mg/L	1.94%
Si 251.611	10234.8	0.475175	0.1145509	mg/L	0.475175	0.1145509	mg/L	24.11%
Sn 189.933	114.7	1.26663	0.029759	mg/L	1.26663	0.029759	mg/L	2.35%
Sr 407.771	320465.1	0.246878	0.0009518	mg/L	0.246878	0.0009518	mg/L	0.39%
Ti 334.941	22698.7	0.247784	0.0008595	mg/L	0.247784	0.0008595	mg/L	0.35%
Tl 190.800	203.1	1.24248	0.016923	mg/L	1.24248	0.016923	mg/L	1.36%
V 292.402	3200.8	0.248561	0.0002729	mg/L	0.248561	0.0002729	mg/L	0.11%
Zn 206.200	510.2	0.250134	0.0040119	mg/L	0.250134	0.0040119	mg/L	1.60%

Replicate Data

ID: 1001142-02 Date: 1/21/10 10:39:36 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	409274.5	409274.5	104.9	mg/L		
1	Y 360.064	252392.3	252392.3	106.7	mg/L		
1	Ag 328.068	-60.5	-57.7	-0.0031970	mg/L	-0.0031970	mg/L
1	Al 396.140	725303.5	691115.2	100.900	mg/L	100.900	mg/L
1	As 188.979	83.6	79.7	0.489158	mg/L	0.489158	mg/L
1	B 249.773	4290.6	4088.3	0.0786502	mg/L	0.0786502	mg/L
1	Ba 455.403	1032151.0	983498.9	1.71524	mg/L	1.71524	mg/L
1	Be 234.861	2127.6	2027.3	0.0079941	mg/L	0.0079941	mg/L
1	Ca 315.887	4158467.0	3962451.1	432.628	mg/L	432.628	mg/L
1	Cd 214.438	237.7	226.5	0.0098542	mg/L	0.0098542	mg/L
1	Ce 413.765	1317.2	1255.1	0.230757	mg/L	0.230757	mg/L
1	Co 228.616	333.9	318.1	0.0572341	mg/L	0.0572341	mg/L
1	Cr 205.560	275.0	262.1	0.190947	mg/L	0.190947	mg/L
1	Cu 327.394	5171.5	4927.7	0.417082	mg/L	0.417082	mg/L
1	Fe 238.204	1110070.0	1057745.2	129.490	mg/L	129.490	mg/L
1	K 766.514	27448.5	26154.7	8.02076	mg/L	8.02076	mg/L
1	Li 670.781	16477.9	15701.2	0.102669	mg/L	0.102669	mg/L
1	Mg 279.074	118234.5	112661.4	98.4557	mg/L	98.4557	mg/L

1	Mn 257.610	436009.8	415457.8	6.10282 mg/L	6.10282 mg/L	
1	Mo 202.031	-9.1	-8.7	-0.0218494 mg/L	-0.0218494 mg/L	
1	Na 589.594	51074.6	48667.2	3.37402 mg/L	3.37402 mg/L	
1	Ni 231.603	455.9	434.4	0.230084 mg/L	0.230084 mg/L	
1	Pb 220.353	178.5	170.1	0.685851 mg/L	0.685851 mg/L	
1	Sb 206.831	-17.2	-16.4	-0.0068487 mg/L	-0.0068487 mg/L	
1	Se 196.026	62.6	59.6	-0.121772 mg/L	-0.121772 mg/L	
1	Si 251.611	47804.8	45551.4	6.87217 mg/L	6.87217 mg/L	
1	Sn 189.933	-60.8	-57.9	-0.583329 mg/L	-0.583329 mg/L	
1	Sr 407.771	3254375.8	3100975.8	2.41215 mg/L	2.41215 mg/L	
1	Ti 334.941	231735.8	220812.5	2.60728 mg/L	2.60728 mg/L	
1	Tl 190.800	0.7	0.6	0.0062099 mg/L	0.0062099 mg/L	
1	V 292.402	3383.5	3224.0	0.231224 mg/L	0.231224 mg/L	
1	Zn 206.200	2379.1	2267.0	1.11864 mg/L	1.11864 mg/L	
2	Sc 357.253	410740.7	410740.7	105.3 mg/L		
2	Y 360.064	253197.0	253197.0	107.0 mg/L		
2	Ag 328.068	-122.5	-116.3	-0.0057354 mg/L	-0.0057354 mg/L	
2	Al 396.140	726813.6	690082.0	100.750 mg/L	100.750 mg/L	
2	As 188.979	75.5	71.7	0.438889 mg/L	0.438889 mg/L	
2	B 249.773	4329.5	4110.7	0.0811523 mg/L	0.0811523 mg/L	
2	Ba 455.403	1034265.5	981995.9	1.71260 mg/L	1.71260 mg/L	
2	Be 234.861	2077.6	1972.6	0.0073165 mg/L	0.0073165 mg/L	
2	Ca 315.887	4170322.5	3959563.2	432.312 mg/L	432.312 mg/L	
2	Cd 214.438	253.9	241.1	0.0123137 mg/L	0.0123137 mg/L	
2	Ce 413.765	1235.3	1172.9	0.217165 mg/L	0.217165 mg/L	
2	Co 228.616	331.0	314.2	0.0559336 mg/L	0.0559336 mg/L	
2	Cr 205.560	286.3	271.8	0.200474 mg/L	0.200474 mg/L	
2	Cu 327.394	5240.0	4975.2	0.420635 mg/L	0.420635 mg/L	
2	Fe 238.204	1113799.3	1057510.2	129.462 mg/L	129.462 mg/L	
2	K 766.514	27544.3	26152.3	8.01991 mg/L	8.01991 mg/L	
2	Li 670.781	16341.1	15515.3	0.101402 mg/L	0.101402 mg/L	
2	Mg 279.074	118464.8	112477.9	98.2952 mg/L	98.2952 mg/L	
2	Mn 257.610	436967.4	414884.0	6.09439 mg/L	6.09439 mg/L	
2	Mo 202.031	-13.4	-12.8	-0.0284404 mg/L	-0.0284404 mg/L	
2	Na 589.594	51143.4	48558.7	3.36606 mg/L	3.36606 mg/L	
2	Ni 231.603	472.3	448.4	0.238944 mg/L	0.238944 mg/L	
2	Pb 220.353	165.4	157.1	0.632718 mg/L	0.632718 mg/L	
2	Sb 206.831	-30.5	-29.0	-0.0758848 mg/L	-0.0758848 mg/L	
2	Se 196.026	50.7	48.2	-0.214947 mg/L	-0.214947 mg/L	
2	Si 251.611	47707.6	45296.6	6.82326 mg/L	6.82326 mg/L	
2	Sn 189.933	-61.5	-58.4	-0.588084 mg/L	-0.588084 mg/L	
2	Sr 407.771	3262041.8	3097185.1	2.40920 mg/L	2.40920 mg/L	
2	Ti 334.941	232217.8	220482.0	2.60335 mg/L	2.60335 mg/L	
2	Tl 190.800	-2.8	-2.7	-0.0158619 mg/L	-0.0158619 mg/L	
2	V 292.402	3333.4	3165.0	0.227017 mg/L	0.227017 mg/L	
2	Zn 206.200	2385.4	2264.9	1.11760 mg/L	1.11760 mg/L	

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

ID: 1001142-02 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: 1/21/10 10:39:36 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	410007.6	105.1	0.27	mg/L				0.25%
Y 360.064	252794.6	106.8	0.24	mg/L				0.23%
Ag 328.068	-87.0	-0.0044662	0.00179489	mg/L	-0.0044662	0.00179489	mg/L	40.19%
Al 396.140	690598.6	100.825	0.1067	mg/L	100.825	0.1067	mg/L	0.11%
As 188.979	75.7	0.464024	0.0355458	mg/L	0.464024	0.0355458	mg/L	7.66%
B 249.773	4099.5	0.0799013	0.00176922	mg/L	0.0799013	0.00176922	mg/L	2.21%
Ba 455.403	982747.4	1.71392	0.001871	mg/L	1.71392	0.001871	mg/L	0.11%
Be 234.861	2000.0	0.0076553	0.00047911	mg/L	0.0076553	0.00047911	mg/L	6.26%
Ca 315.887	3961007.2	432.470	0.2230	mg/L	432.470	0.2230	mg/L	0.05%
Cd 214.438	233.8	0.0110840	0.00173918	mg/L	0.0110840	0.00173918	mg/L	15.69%
Ce 413.765	1214.0	0.223961	0.0096107	mg/L	0.223961	0.0096107	mg/L	4.29%
Co 228.616	316.2	0.0565839	0.00091958	mg/L	0.0565839	0.00091958	mg/L	1.63%
Cr 205.560	267.0	0.195711	0.0067361	mg/L	0.195711	0.0067361	mg/L	3.44%
Cu 327.394	4951.4	0.418858	0.0025121	mg/L	0.418858	0.0025121	mg/L	0.60%
Fe 238.204	1057627.7	129.476	0.0203	mg/L	129.476	0.0203	mg/L	0.02%
K 766.514	26153.5	8.02034	0.000600	mg/L	8.02034	0.000600	mg/L	0.01%
Li 670.781	15608.2	0.102036	0.0008954	mg/L	0.102036	0.0008954	mg/L	0.88%

Mg 279.074	112569.6	98.3754	0.11349 mg/L	98.3754	0.11349 mg/L	0.12%
Mn 257.610	415170.9	6.09861	0.005960 mg/L	6.09861	0.005960 mg/L	0.10%
Mo 202.031	-10.7	-0.0251449	0.00466051 mg/L	-0.0251449	0.00466051 mg/L	18.53%
Na 589.594	48612.9	3.37004	0.005629 mg/L	3.37004	0.005629 mg/L	0.17%
Ni 231.603	441.4	0.234514	0.0062646 mg/L	0.234514	0.0062646 mg/L	2.67%
Pb 220.353	163.6	0.659284	0.0375710 mg/L	0.659284	0.0375710 mg/L	5.70%
Sb 206.831	-22.7	-0.0413668	0.04881590 mg/L	-0.0413668	0.04881590 mg/L	118.01%
Se 196.026	53.9	-0.168359	0.0658849 mg/L	-0.168359	0.0658849 mg/L	39.13%
Si 251.611	45424.0	6.84771	0.034580 mg/L	6.84771	0.034580 mg/L	0.50%
Sn 189.933	-58.2	-0.585706	0.0033620 mg/L	-0.585706	0.0033620 mg/L	0.57%
Sr 407.771	3099080.4	2.41067	0.002087 mg/L	2.41067	0.002087 mg/L	0.09%
Ti 334.941	220647.3	2.60531	0.002783 mg/L	2.60531	0.002783 mg/L	0.11%
Tl 190.800	-1.0	-0.0048260	0.01560710 mg/L	-0.0048260	0.01560710 mg/L	323.40%
V 292.402	3194.5	0.229120	0.0029748 mg/L	0.229120	0.0029748 mg/L	1.30%
Zn 206.200	2265.9	1.11812	0.000735 mg/L	1.11812	0.000735 mg/L	0.07%

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

ID: 1001142-03 Date: 1/21/10 10:43:03 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	411864.8	411864.8	105.6	mg/L		
1	Y 360.064	253824.9	253824.9	107.3	mg/L		
1	Ag 328.068	44.3	42.0	0.0011208	mg/L	0.0011208	mg/L
1	Al 396.140	612747.9	580193.1	84.6537	mg/L	84.6537	mg/L
1	As 188.979	28.8	27.3	0.160509	mg/L	0.160509	mg/L
1	B 249.773	4255.7	4029.6	0.0089793	mg/L	0.0089793	mg/L
1	Ba 455.403	940540.3	890570.1	1.55160	mg/L	1.55160	mg/L
1	Be 234.861	1901.6	1800.6	0.0022770	mg/L	0.0022770	mg/L
1	Ca 315.887	128929.1	122079.2	13.3540	mg/L	13.3540	mg/L
1	Cd 214.438	223.8	211.9	0.0070580	mg/L	0.0070580	mg/L
1	Ce 413.765	1336.2	1265.2	0.232420	mg/L	0.232420	mg/L
1	Co 228.616	335.9	318.1	0.0479518	mg/L	0.0479518	mg/L
1	Cr 205.560	201.9	191.2	0.118564	mg/L	0.118564	mg/L
1	Cu 327.394	1818.0	1721.4	0.129017	mg/L	0.129017	mg/L
1	Fe 238.204	1319076.7	1248995.1	152.906	mg/L	152.906	mg/L
1	K 766.514	14745.4	13962.0	3.94024	mg/L	3.94024	mg/L
1	Li 670.781	10233.0	9689.4	0.0617205	mg/L	0.0617205	mg/L
1	Mg 279.074	16203.4	15342.5	13.2315	mg/L	13.2315	mg/L
1	Mn 257.610	1189884.5	1126666.9	16.5492	mg/L	16.5492	mg/L
1	Mo 202.031	2.2	2.1	-0.0044247	mg/L	-0.0044247	mg/L
1	Na 589.594	5796.3	5488.3	0.196875	mg/L	0.196875	mg/L
1	Ni 231.603	287.6	272.3	0.117416	mg/L	0.117416	mg/L
1	Pb 220.353	126.5	119.7	0.480848	mg/L	0.480848	mg/L
1	Sb 206.831	-13.2	-12.5	0.0360515	mg/L	0.0360515	mg/L
1	Se 196.026	58.1	55.0	-0.0516955	mg/L	-0.0516955	mg/L
1	Si 251.611	50165.9	47500.7	7.74111	mg/L	7.74111	mg/L
1	Sn 189.933	-6.6	-6.3	-0.0295146	mg/L	-0.0295146	mg/L
1	Sr 407.771	95129.5	90075.4	0.0674669	mg/L	0.0674669	mg/L
1	Ti 334.941	162439.5	153809.2	1.80929	mg/L	1.80929	mg/L
1	Tl 190.800	-34.1	-32.3	-0.0361110	mg/L	-0.0361110	mg/L
1	V 292.402	2877.9	2725.0	0.192200	mg/L	0.192200	mg/L
1	Zn 206.200	2030.5	1922.7	0.948427	mg/L	0.948427	mg/L
2	Sc 357.253	417611.7	417611.7	107.1	mg/L		
2	Y 360.064	257477.9	257477.9	108.8	mg/L		
2	Ag 328.068	70.3	65.7	0.0021479	mg/L	0.0021479	mg/L
2	Al 396.140	611775.0	571300.2	83.3557	mg/L	83.3557	mg/L
2	As 188.979	14.1	13.2	0.0720061	mg/L	0.0720061	mg/L
2	B 249.773	4295.1	4010.9	0.0125859	mg/L	0.0125859	mg/L
2	Ba 455.403	939333.3	877187.4	1.52804	mg/L	1.52804	mg/L
2	Be 234.861	1881.6	1757.1	0.0019936	mg/L	0.0019936	mg/L
2	Ca 315.887	128770.0	120250.6	13.1539	mg/L	13.1539	mg/L
2	Cd 214.438	226.1	211.1	0.0071955	mg/L	0.0071955	mg/L
2	Ce 413.765	1293.1	1207.5	0.222892	mg/L	0.222892	mg/L
2	Co 228.616	335.1	312.9	0.0470282	mg/L	0.0470282	mg/L
2	Cr 205.560	190.8	178.2	0.106177	mg/L	0.106177	mg/L
2	Cu 327.394	1719.8	1606.0	0.120305	mg/L	0.120305	mg/L
2	Fe 238.204	1319269.7	1231987.3	150.824	mg/L	150.824	mg/L
2	K 766.514	14780.3	13802.4	3.88646	mg/L	3.88646	mg/L
2	Li 670.781	10114.4	9445.2	0.0600576	mg/L	0.0600576	mg/L

2 Mg 279.074	16210.9	15138.4	13.0552 mg/L	13.0552 mg/L	
2 Mn 257.610	1189382.9	1110693.8	16.3146 mg/L	16.3146 mg/L	
2 Mo 202.031	2.1	2.0	-0.0045423 mg/L	-0.0045423 mg/L	
2 Na 589.594	5959.0	5564.7	0.202187 mg/L	0.202187 mg/L	
2 Ni 231.603	280.3	261.8	0.110928 mg/L	0.110928 mg/L	
2 Pb 220.353	110.6	103.3	0.413765 mg/L	0.413765 mg/L	
2 Sb 206.831	-12.5	-11.6	0.0390921 mg/L	0.0390921 mg/L	
2 Se 196.026	65.0	60.7	-0.0069686 mg/L	-0.0069686 mg/L	
2 Si 251.611	49180.1	45926.4	7.43416 mg/L	7.43416 mg/L	
2 Sn 189.933	-4.2	-3.9	-0.0041340 mg/L	-0.0041340 mg/L	
2 Sr 407.771	94994.1	88709.4	0.0664032 mg/L	0.0664032 mg/L	
2 Ti 334.941	162147.2	151419.6	1.78083 mg/L	1.78083 mg/L	
2 Tl 190.800	-18.3	-17.0	0.0610569 mg/L	0.0610569 mg/L	
2 V 292.402	2794.5	2609.6	0.184280 mg/L	0.184280 mg/L	
2 Zn 206.200	2005.3	1872.7	0.923710 mg/L	0.923710 mg/L	

Mean Data

ID: 1001142-03 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: 1/21/10 10:43:03 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	414738.3	106.3	1.04	mg/L				0.98%
Y 360.064	255651.4	108.0	1.09	mg/L				1.01%
Ag 328.068	53.8	0.0016343	0.00072629	mg/L	0.0016343	0.00072629	mg/L	44.44%
Al 396.140	575746.7	84.0047	0.91781	mg/L	84.0047	0.91781	mg/L	1.09%
As 188.979	20.2	0.116258	0.0625813	mg/L	0.116258	0.0625813	mg/L	53.83%
B 249.773	4020.2	0.0107826	0.00255029	mg/L	0.0107826	0.00255029	mg/L	23.65%
Ba 455.403	883878.7	1.53982	0.016663	mg/L	1.53982	0.016663	mg/L	1.08%
Be 234.861	1778.9	0.0021353	0.00020037	mg/L	0.0021353	0.00020037	mg/L	9.38%
Ca 315.887	121164.9	13.2539	0.14146	mg/L	13.2539	0.14146	mg/L	1.07%
Cd 214.438	211.5	0.0071268	0.00009721	mg/L	0.0071268	0.00009721	mg/L	1.36%
Ce 413.765	1236.4	0.227656	0.0067374	mg/L	0.227656	0.0067374	mg/L	2.96%
Co 228.616	315.5	0.0474900	0.00065304	mg/L	0.0474900	0.00065304	mg/L	1.38%
Cr 205.560	184.7	0.112370	0.0087592	mg/L	0.112370	0.0087592	mg/L	7.79%
Cu 327.394	1663.7	0.124661	0.0061604	mg/L	0.124661	0.0061604	mg/L	4.94%
Fe 238.204	1240491.2	151.865	1.4724	mg/L	151.865	1.4724	mg/L	0.97%
K 766.514	13882.2	3.91335	0.038027	mg/L	3.91335	0.038027	mg/L	0.97%
Li 670.781	9567.3	0.0608891	0.00117588	mg/L	0.0608891	0.00117588	mg/L	1.93%
Mg 279.074	15240.5	13.1434	0.12468	mg/L	13.1434	0.12468	mg/L	0.95%
Mn 257.610	1118680.3	16.4319	0.16590	mg/L	16.4319	0.16590	mg/L	1.01%
Mo 202.031	2.0	-0.0044835	0.00008317	mg/L	-0.0044835	0.00008317	mg/L	1.85%
Na 589.594	5526.5	0.199531	0.0037562	mg/L	0.199531	0.0037562	mg/L	1.88%
Ni 231.603	267.0	0.114172	0.0045875	mg/L	0.114172	0.0045875	mg/L	4.02%
Pb 220.353	111.5	0.447306	0.0474350	mg/L	0.447306	0.0474350	mg/L	10.60%
Sb 206.831	-12.1	0.0375718	0.00215002	mg/L	0.0375718	0.00215002	mg/L	5.72%
Se 196.026	57.9	-0.0293321	0.03162670	mg/L	-0.0293321	0.03162670	mg/L	107.82%
Si 251.611	46713.5	7.58764	0.217041	mg/L	7.58764	0.217041	mg/L	2.86%
Sn 189.933	-5.1	-0.0168243	0.01794678	mg/L	-0.0168243	0.01794678	mg/L	106.67%
Sr 407.771	89392.4	0.0669350	0.00075219	mg/L	0.0669350	0.00075219	mg/L	1.12%
Ti 334.941	152614.4	1.79506	0.020124	mg/L	1.79506	0.020124	mg/L	1.12%
Tl 190.800	-24.7	0.0124729	0.06870810	mg/L	0.0124729	0.06870810	mg/L	550.86%
V 292.402	2667.3	0.188240	0.0056002	mg/L	0.188240	0.0056002	mg/L	2.98%
Zn 206.200	1897.7	0.936069	0.0174775	mg/L	0.936069	0.0174775	mg/L	1.87%

Replicate Data

ID: 1001142-04 Date: 1/21/10 10:46:39 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	409818.5	409818.5	105.1	mg/L		
1	Y 360.064	248083.6	248083.6	104.8	mg/L		
1	Ag 328.068	-34.9	-33.2	-0.0021363	mg/L	-0.0021363	mg/L
1	Al 396.140	517142.8	492112.4	71.9102	mg/L	71.9102	mg/L
1	As 188.979	72.1	68.6	0.419685	mg/L	0.419685	mg/L
1	B 249.773	5601.8	5330.7	0.0856723	mg/L	0.0856723	mg/L
1	Ba 455.403	1002698.7	954166.6	1.66359	mg/L	1.66359	mg/L
1	Be 234.861	2076.6	1976.1	0.0015133	mg/L	0.0015133	mg/L
1	Ca 315.887	8262676.5	7862750.6	858.438	mg/L	858.438	mg/L
1	Cd 214.438	245.8	233.9	0.0100822	mg/L	0.0100822	mg/L

1 Ce 413.765	905.4	861.5	0.165714 mg/L	0.165714 mg/L	
1 Co 228.616	347.4	330.5	0.0427001 mg/L	0.0427001 mg/L	
1 Cr 205.560	299.6	285.1	0.206902 mg/L	0.206902 mg/L	
1 Cu 327.394	1793.7	1706.9	0.219248 mg/L	0.219248 mg/L	
1 Fe 238.204	1517111.5	1443681.0	176.742 mg/L	176.742 mg/L	
1 K 766.514	32048.7	30497.5	9.48921 mg/L	9.48921 mg/L	
1 Li 670.781	14376.0	13680.2	0.0889034 mg/L	0.0889034 mg/L	
1 Mg 279.074	79618.1	75764.4	66.1932 mg/L	66.1932 mg/L	
1 Mn 257.610	672678.9	640120.2	9.40270 mg/L	9.40270 mg/L	
1 Mo 202.031	-22.7	-21.6	-0.0427892 mg/L	-0.0427892 mg/L	
1 Na 589.594	19600.7	18652.0	1.20150 mg/L	1.20150 mg/L	
1 Ni 231.603	314.5	299.3	0.132751 mg/L	0.132751 mg/L	
1 Pb 220.353	158.0	150.4	0.605489 mg/L	0.605489 mg/L	
1 Sb 206.831	-19.5	-18.6	0.0247212 mg/L	0.0247212 mg/L	
1 Se 196.026	58.1	55.3	-0.156819 mg/L	-0.156819 mg/L	
1 Si 251.611	56950.8	54194.3	8.80007 mg/L	8.80007 mg/L	
1 Sn 189.933	-82.6	-78.6	-0.804495 mg/L	-0.804495 mg/L	
1 Sr 407.771	819903.1	780218.5	0.604903 mg/L	0.604903 mg/L	
1 Ti 334.941	138997.1	132269.5	1.55275 mg/L	1.55275 mg/L	
1 Tl 190.800	-19.3	-18.4	-0.0639009 mg/L	-0.0639009 mg/L	
1 V 292.402	2490.1	2369.6	0.163357 mg/L	0.163357 mg/L	
1 Zn 206.200	1775.5	1689.6	0.833203 mg/L	0.833203 mg/L	
2 Sc 357.253	413842.1	413842.1	106.1 mg/L		
2 Y 360.064	250353.8	250353.8	105.8 mg/L		
2 Ag 328.068	-68.6	-64.6	-0.0034967 mg/L	-0.0034967 mg/L	
2 Al 396.140	512151.1	482623.9	70.5228 mg/L	70.5228 mg/L	
2 As 188.979	59.2	55.8	0.339437 mg/L	0.339437 mg/L	
2 B 249.773	5530.4	5211.5	0.0806800 mg/L	0.0806800 mg/L	
2 Ba 455.403	993976.0	936670.0	1.63278 mg/L	1.63278 mg/L	
2 Be 234.861	2078.6	1958.8	0.0016604 mg/L	0.0016604 mg/L	
2 Ca 315.887	8159562.2	7689136.7	839.483 mg/L	839.483 mg/L	
2 Cd 214.438	250.0	235.6	0.0106976 mg/L	0.0106976 mg/L	
2 Ce 413.765	924.8	871.5	0.167356 mg/L	0.167356 mg/L	
2 Co 228.616	336.4	317.0	0.0393146 mg/L	0.0393146 mg/L	
2 Cr 205.560	291.9	275.0	0.197477 mg/L	0.197477 mg/L	
2 Cu 327.394	1791.7	1688.4	0.215832 mg/L	0.215832 mg/L	
2 Fe 238.204	1506586.7	1419727.0	173.810 mg/L	173.810 mg/L	
2 K 766.514	32059.8	30211.5	9.39240 mg/L	9.39240 mg/L	
2 Li 670.781	14269.3	13446.6	0.0873122 mg/L	0.0873122 mg/L	
2 Mg 279.074	78840.6	74295.2	64.9083 mg/L	64.9083 mg/L	
2 Mn 257.610	668085.2	629567.9	9.24771 mg/L	9.24771 mg/L	
2 Mo 202.031	-11.3	-10.7	-0.0250482 mg/L	-0.0250482 mg/L	
2 Na 589.594	19353.7	18237.9	1.16997 mg/L	1.16997 mg/L	
2 Ni 231.603	304.9	287.3	0.125447 mg/L	0.125447 mg/L	
2 Pb 220.353	156.2	147.2	0.592480 mg/L	0.592480 mg/L	
2 Sb 206.831	-16.6	-15.6	0.0381309 mg/L	0.0381309 mg/L	
2 Se 196.026	38.2	36.0	-0.314032 mg/L	-0.314032 mg/L	
2 Si 251.611	57874.0	54537.4	8.87174 mg/L	8.87174 mg/L	
2 Sn 189.933	-83.3	-78.5	-0.803985 mg/L	-0.803985 mg/L	
2 Sr 407.771	813341.4	766449.6	0.594180 mg/L	0.594180 mg/L	
2 Ti 334.941	138032.0	130074.0	1.52660 mg/L	1.52660 mg/L	
2 Tl 190.800	-1.4	-1.3	0.0463652 mg/L	0.0463652 mg/L	
2 V 292.402	2432.7	2292.5	0.158289 mg/L	0.158289 mg/L	
2 Zn 206.200	1790.7	1687.4	0.832134 mg/L	0.832134 mg/L	

Mean Data

ID: 1001142-04 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: 1/21/10 10:46:39 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	411830.3	105.6	0.73	mg/L				0.69%
Y 360.064	249218.7	105.3	0.68	mg/L				0.64%
Ag 328.068	-48.9	-0.0028165	0.00096194	mg/L	-0.0028165	0.00096194	mg/L	34.15%
Al 396.140	487368.1	71.2165	0.98104	mg/L	71.2165	0.98104	mg/L	1.38%
As 188.979	62.2	0.379561	0.0567440	mg/L	0.379561	0.0567440	mg/L	14.95%
B 249.773	5271.1	0.0831761	0.00353007	mg/L	0.0831761	0.00353007	mg/L	4.24%
Ba 455.403	945418.3	1.64819	0.021786	mg/L	1.64819	0.021786	mg/L	1.32%
Be 234.861	1967.4	0.0015868	0.00010401	mg/L	0.0015868	0.00010401	mg/L	6.55%
Ca 315.887	7775943.7	848.960	13.4030	mg/L	848.960	13.4030	mg/L	1.58%

Cd 214.438	234.8	0.0103899	0.00043520	mg/L	0.0103899	0.00043520 mg/L	4.19%
Ce 413.765	866.5	0.166535	0.0011614	mg/L	0.166535	0.0011614 mg/L	0.70%
Co 228.616	323.8	0.0410074	0.00239389	mg/L	0.0410074	0.00239389 mg/L	5.84%
Cr 205.560	280.1	0.202189	0.0066649	mg/L	0.202189	0.0066649 mg/L	3.30%
Cu 327.394	1697.6	0.217540	0.0024154	mg/L	0.217540	0.0024154 mg/L	1.11%
Fe 238.204	1431704.0	175.276	2.0738	mg/L	175.276	2.0738 mg/L	1.18%
K 766.514	30354.5	9.44081	0.068452	mg/L	9.44081	0.068452 mg/L	0.73%
Li 670.781	13563.4	0.0881078	0.00112520	mg/L	0.0881078	0.00112520 mg/L	1.28%
Mg 279.074	75029.8	65.5507	0.90855	mg/L	65.5507	0.90855 mg/L	1.39%
Mn 257.610	634844.1	9.32521	0.109598	mg/L	9.32521	0.109598 mg/L	1.18%
Mo 202.031	-16.1	-0.0339187	0.01254476	mg/L	-0.0339187	0.01254476 mg/L	36.98%
Na 589.594	18444.9	1.18574	0.022292	mg/L	1.18574	0.022292 mg/L	1.88%
Ni 231.603	293.3	0.129099	0.0051643	mg/L	0.129099	0.0051643 mg/L	4.00%
Pb 220.353	148.8	0.598984	0.0091987	mg/L	0.598984	0.0091987 mg/L	1.54%
Sb 206.831	-17.1	0.0314261	0.00948209	mg/L	0.0314261	0.00948209 mg/L	30.17%
Se 196.026	45.7	-0.235425	0.1111661	mg/L	-0.235425	0.1111661 mg/L	47.22%
Si 251.611	54365.8	8.83590	0.050677	mg/L	8.83590	0.050677 mg/L	0.57%
Sn 189.933	-78.5	-0.804240	0.0003606	mg/L	-0.804240	0.0003606 mg/L	0.04%
Sr 407.771	773334.1	0.599541	0.0075818	mg/L	0.599541	0.0075818 mg/L	1.26%
Ti 334.941	131171.7	1.53968	0.018489	mg/L	1.53968	0.018489 mg/L	1.20%
Tl 190.800	-9.8	-0.0087678	0.07796993	mg/L	-0.0087678	0.07796993 mg/L	889.27%
V 292.402	2331.0	0.160823	0.0035836	mg/L	0.160823	0.0035836 mg/L	2.23%
Zn 206.200	1688.5	0.832669	0.0007558	mg/L	0.832669	0.0007558 mg/L	0.09%

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

ID: 1001177-01 Date: 1/21/10 10:50:14 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	414196.0	414196.0	106.2	mg/L		
1	Y 360.064	254283.0	254283.0	107.5	mg/L		
1	Ag 328.068	-116.4	-109.6	-0.0054448	mg/L	-0.0054448	mg/L
1	Al 396.140	361447.1	340317.4	49.6419	mg/L	49.6419	mg/L
1	As 188.979	13.9	13.1	0.0714487	mg/L	0.0714487	mg/L
1	B 249.773	2268.3	2135.7	0.0139034	mg/L	0.0139034	mg/L
1	Ba 455.403	227837.8	214518.7	0.361144	mg/L	0.361144	mg/L
1	Be 234.861	1047.4	986.1	0.0017623	mg/L	0.0017623	mg/L
1	Ca 315.887	39270.0	36974.4	4.04785	mg/L	4.04785	mg/L
1	Cd 214.438	151.0	142.2	0.0084493	mg/L	0.0084493	mg/L
1	Ce 413.765	596.0	561.2	0.116081	mg/L	0.116081	mg/L
1	Co 228.616	153.2	144.2	0.0204109	mg/L	0.0204109	mg/L
1	Cr 205.560	126.1	118.7	0.0585842	mg/L	0.0585842	mg/L
1	Cu 327.394	474.2	446.5	0.0327731	mg/L	0.0327731	mg/L
1	Fe 238.204	651548.3	613459.7	75.0942	mg/L	75.0942	mg/L
1	K 766.514	8880.8	8361.7	2.05228	mg/L	2.05228	mg/L
1	Li 670.781	5271.1	4963.0	0.0295277	mg/L	0.0295277	mg/L
1	Mg 279.074	10304.9	9702.5	8.38558	mg/L	8.38558	mg/L
1	Mn 257.610	476064.8	448234.7	6.58426	mg/L	6.58426	mg/L
1	Mo 202.031	3.1	2.9	-0.0030565	mg/L	-0.0030565	mg/L
1	Na 589.594	4256.2	4007.3	0.0780547	mg/L	0.0780547	mg/L
1	Ni 231.603	200.8	189.1	0.0755118	mg/L	0.0755118	mg/L
1	Pb 220.353	14.0	13.2	0.0472537	mg/L	0.0472537	mg/L
1	Sb 206.831	9.0	8.4	0.0802685	mg/L	0.0802685	mg/L
1	Se 196.026	70.7	66.6	-0.0650800	mg/L	-0.0650800	mg/L
1	Si 251.611	36272.1	34151.7	5.13838	mg/L	5.13838	mg/L
1	Sn 189.933	-3.1	-2.9	0.0063639	mg/L	0.0063639	mg/L
1	Sr 407.771	37681.3	35478.5	0.0249507	mg/L	0.0249507	mg/L
1	Ti 334.941	105398.1	99236.7	1.15934	mg/L	1.15934	mg/L
1	Tl 190.800	4.2	4.0	0.0364008	mg/L	0.0364008	mg/L
1	V 292.402	1387.5	1306.4	0.102450	mg/L	0.102450	mg/L
1	Zn 206.200	563.4	530.5	0.260184	mg/L	0.260184	mg/L
2	Sc 357.253	414218.1	414218.1	106.2	mg/L		
2	Y 360.064	254384.8	254384.8	107.5	mg/L		
2	Ag 328.068	-64.7	-61.0	-0.0033383	mg/L	-0.0033383	mg/L
2	Al 396.140	358192.8	337235.3	49.1921	mg/L	49.1921	mg/L
2	As 188.979	9.9	9.3	0.0476619	mg/L	0.0476619	mg/L
2	B 249.773	2137.1	2012.1	0.0018906	mg/L	0.0018906	mg/L
2	Ba 455.403	225768.5	212559.0	0.357693	mg/L	0.357693	mg/L
2	Be 234.861	979.2	921.9	0.0010272	mg/L	0.0010272	mg/L
2	Ca 315.887	35911.8	33810.7	3.70231	mg/L	3.70231	mg/L

2 Cd 214.438	150.6	141.8	0.0084216 mg/L	0.0084216 mg/L	
2 Ce 413.765	643.4	605.8	0.123451 mg/L	0.123451 mg/L	
2 Co 228.616	155.6	146.5	0.0213739 mg/L	0.0213739 mg/L	
2 Cr 205.560	133.4	125.6	0.0653574 mg/L	0.0653574 mg/L	
2 Cu 327.394	493.4	464.5	0.0341350 mg/L	0.0341350 mg/L	
2 Fe 238.204	647084.5	609224.3	74.5756 mg/L	74.5756 mg/L	
2 K 766.514	8648.9	8142.9	1.97925 mg/L	1.97925 mg/L	
2 Li 670.781	5276.4	4967.6	0.0295595 mg/L	0.0295595 mg/L	
2 Mg 279.074	9953.0	9370.6	8.09589 mg/L	8.09589 mg/L	
2 Mn 257.610	472135.2	444511.1	6.52956 mg/L	6.52956 mg/L	
2 Mo 202.031	0.2	0.1	-0.0075526 mg/L	-0.0075526 mg/L	
2 Na 589.594	4068.0	3830.0	0.0650146 mg/L	0.0650146 mg/L	
2 Ni 231.603	182.5	171.8	0.0646122 mg/L	0.0646122 mg/L	
2 Pb 220.353	25.5	24.0	0.0912059 mg/L	0.0912059 mg/L	
2 Sb 206.831	-5.3	-5.0	0.0056788 mg/L	0.0056788 mg/L	
2 Se 196.026	61.7	58.1	-0.134552 mg/L	-0.134552 mg/L	
2 Si 251.611	33873.2	31891.4	4.69767 mg/L	4.69767 mg/L	
2 Sn 189.933	-6.5	-6.1	-0.0278343 mg/L	-0.0278343 mg/L	
2 Sr 407.771	37206.1	35029.2	0.0246008 mg/L	0.0246008 mg/L	
2 Ti 334.941	104167.8	98073.0	1.14548 mg/L	1.14548 mg/L	
2 Tl 190.800	1.8	1.6	0.0201067 mg/L	0.0201067 mg/L	
2 V 292.402	1332.4	1254.4	0.0988187 mg/L	0.0988187 mg/L	
2 Zn 206.200	535.8	504.5	0.247332 mg/L	0.247332 mg/L	

Mean Data

ID: 1001177-01 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: 1/21/10 10:50:14 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	414207.1	106.2	0.00	mg/L				0.00%
Y 360.064	254333.9	107.5	0.03	mg/L				0.03%
Ag 328.068	-85.3	-0.0043915	0.00148948	mg/L	-0.0043915	0.00148948	mg/L	33.92%
Al 396.140	338776.4	49.4170	0.31809	mg/L	49.4170	0.31809	mg/L	0.64%
As 188.979	11.2	0.0595553	0.01681986	mg/L	0.0595553	0.01681986	mg/L	28.24%
B 249.773	2073.9	0.0078970	0.00849432	mg/L	0.0078970	0.00849432	mg/L	107.56%
Ba 455.403	213538.9	0.359419	0.0024401	mg/L	0.359419	0.0024401	mg/L	0.68%
Be 234.861	954.0	0.0013947	0.00051977	mg/L	0.0013947	0.00051977	mg/L	37.27%
Ca 315.887	35392.5	3.87508	0.244331	mg/L	3.87508	0.244331	mg/L	6.31%
Cd 214.438	142.0	0.0084355	0.00001954	mg/L	0.0084355	0.00001954	mg/L	0.23%
Ce 413.765	583.5	0.119766	0.0052113	mg/L	0.119766	0.0052113	mg/L	4.35%
Co 228.616	145.4	0.0208924	0.00068099	mg/L	0.0208924	0.00068099	mg/L	3.26%
Cr 205.560	122.2	0.0619708	0.00478937	mg/L	0.0619708	0.00478937	mg/L	7.73%
Cu 327.394	455.5	0.0334540	0.00096298	mg/L	0.0334540	0.00096298	mg/L	2.88%
Fe 238.204	611342.0	74.8349	0.36668	mg/L	74.8349	0.36668	mg/L	0.49%
K 766.514	8252.3	2.01577	0.051640	mg/L	2.01577	0.051640	mg/L	2.56%
Li 670.781	4965.3	0.0295436	0.00002253	mg/L	0.0295436	0.00002253	mg/L	0.08%
Mg 279.074	9536.6	8.24074	0.204842	mg/L	8.24074	0.204842	mg/L	2.49%
Mn 257.610	446372.9	6.55691	0.038674	mg/L	6.55691	0.038674	mg/L	0.59%
Mo 202.031	1.5	-0.0053045	0.00317922	mg/L	-0.0053045	0.00317922	mg/L	59.93%
Na 589.594	3918.7	0.0715347	0.00922075	mg/L	0.0715347	0.00922075	mg/L	12.89%
Ni 231.603	180.4	0.0700620	0.00770720	mg/L	0.0700620	0.00770720	mg/L	11.00%
Pb 220.353	18.6	0.0692298	0.03107888	mg/L	0.0692298	0.03107888	mg/L	44.89%
Sb 206.831	1.7	0.0429736	0.05274291	mg/L	0.0429736	0.05274291	mg/L	122.73%
Se 196.026	62.3	-0.0998159	0.04912392	mg/L	-0.0998159	0.04912392	mg/L	49.21%
Si 251.611	33021.5	4.91802	0.311626	mg/L	4.91802	0.311626	mg/L	6.34%
Sn 189.933	-4.5	-0.0107352	0.02418177	mg/L	-0.0107352	0.02418177	mg/L	225.26%
Sr 407.771	35253.9	0.0247757	0.00024742	mg/L	0.0247757	0.00024742	mg/L	1.00%
Ti 334.941	98654.8	1.15241	0.009799	mg/L	1.15241	0.009799	mg/L	0.85%
Tl 190.800	2.8	0.0282537	0.01152163	mg/L	0.0282537	0.01152163	mg/L	40.78%
V 292.402	1280.4	0.100635	0.0025679	mg/L	0.100635	0.0025679	mg/L	2.55%
Zn 206.200	517.5	0.253758	0.0090874	mg/L	0.253758	0.0090874	mg/L	3.58%

Replicate Data

ID: 1001177-02 Date: 1/21/10 10:53:42 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	414443.6	414443.6	106.3	mg/L		
1	Y 360.064	254552.1	254552.1	107.6	mg/L		

1 Ag 328.068	20.6	19.4	0.0001410 mg/L	0.0001410 mg/L	
1 Al 396.140	506013.1	476147.7	69.4674 mg/L	69.4674 mg/L	
1 As 188.979	21.0	19.8	0.113642 mg/L	0.113642 mg/L	
1 B 249.773	2976.0	2800.3	0.0114606 mg/L	0.0114606 mg/L	
1 Ba 455.403	433469.1	407885.3	0.701644 mg/L	0.701644 mg/L	
1 Be 234.861	1281.5	1205.9	0.0010881 mg/L	0.0010881 mg/L	
1 Ca 315.887	231689.3	218014.8	23.8192 mg/L	23.8192 mg/L	
1 Cd 214.438	171.3	161.2	0.0035949 mg/L	0.0035949 mg/L	
1 Ce 413.765	801.1	753.8	0.147905 mg/L	0.147905 mg/L	
1 Co 228.616	239.1	225.0	0.0365829 mg/L	0.0365829 mg/L	
1 Cr 205.560	181.2	170.5	0.105270 mg/L	0.105270 mg/L	
1 Cu 327.394	858.5	807.8	0.0600516 mg/L	0.0600516 mg/L	
1 Fe 238.204	891252.7	838650.1	102.665 mg/L	102.665 mg/L	
1 K 766.514	12376.1	11645.7	3.15640 mg/L	3.15640 mg/L	
1 Li 670.781	12265.6	11541.7	0.0743374 mg/L	0.0743374 mg/L	
1 Mg 279.074	26577.3	25008.6	21.7525 mg/L	21.7525 mg/L	
1 Mn 257.610	574451.4	540546.7	7.94015 mg/L	7.94015 mg/L	
1 Mo 202.031	6.9	6.5	0.0027547 mg/L	0.0027547 mg/L	
1 Na 589.594	7286.6	6856.5	0.291816 mg/L	0.291816 mg/L	
1 Ni 231.603	259.4	244.1	0.110155 mg/L	0.110155 mg/L	
1 Pb 220.353	5.0	4.7	0.0126092 mg/L	0.0126092 mg/L	
1 Sb 206.831	-10.1	-9.5	0.0066424 mg/L	0.0066424 mg/L	
1 Se 196.026	67.7	63.7	-0.0889777 mg/L	-0.0889777 mg/L	
1 Si 251.611	42354.6	39854.8	6.14722 mg/L	6.14722 mg/L	
1 Sn 189.933	-10.2	-9.6	-0.0657925 mg/L	-0.0657925 mg/L	
1 Sr 407.771	266975.0	251217.9	0.192954 mg/L	0.192954 mg/L	
1 Ti 334.941	197349.2	185701.5	2.18912 mg/L	2.18912 mg/L	
1 Tl 190.800	-12.8	-12.0	-0.0464353 mg/L	-0.0464353 mg/L	
1 V 292.402	1973.2	1856.7	0.137650 mg/L	0.137650 mg/L	
1 Zn 206.200	637.6	599.9	0.294521 mg/L	0.294521 mg/L	
2 Sc 357.253	415538.7	415538.7	106.6 mg/L		
2 Y 360.064	255488.1	255488.1	108.0 mg/L		
2 Ag 328.068	-68.7	-64.5	-0.0034903 mg/L	-0.0034903 mg/L	
2 Al 396.140	504049.1	473049.7	69.0152 mg/L	69.0152 mg/L	
2 As 188.979	23.1	21.7	0.125473 mg/L	0.125473 mg/L	
2 B 249.773	2979.7	2796.4	0.0125490 mg/L	0.0125490 mg/L	
2 Ba 455.403	431959.9	405394.0	0.697257 mg/L	0.697257 mg/L	
2 Be 234.861	1341.5	1259.0	0.0018186 mg/L	0.0018186 mg/L	
2 Ca 315.887	230771.8	216579.2	23.6623 mg/L	23.6623 mg/L	
2 Cd 214.438	163.1	153.0	0.0023129 mg/L	0.0023129 mg/L	
2 Ce 413.765	971.7	911.9	0.174041 mg/L	0.174041 mg/L	
2 Co 228.616	223.9	210.2	0.0318420 mg/L	0.0318420 mg/L	
2 Cr 205.560	180.4	169.3	0.104213 mg/L	0.104213 mg/L	
2 Cu 327.394	803.1	753.7	0.0559657 mg/L	0.0559657 mg/L	
2 Fe 238.204	888732.8	834075.1	102.105 mg/L	102.105 mg/L	
2 K 766.514	12367.6	11606.9	3.14335 mg/L	3.14335 mg/L	
2 Li 670.781	12070.1	11327.8	0.0728802 mg/L	0.0728802 mg/L	
2 Mg 279.074	26613.4	24976.7	21.7251 mg/L	21.7251 mg/L	
2 Mn 257.610	572283.3	537087.4	7.88934 mg/L	7.88934 mg/L	
2 Mo 202.031	-3.6	-3.4	-0.0132595 mg/L	-0.0132595 mg/L	
2 Na 589.594	7289.5	6841.2	0.290621 mg/L	0.290621 mg/L	
2 Ni 231.603	270.6	254.0	0.116396 mg/L	0.116396 mg/L	
2 Pb 220.353	18.1	17.0	0.0628689 mg/L	0.0628689 mg/L	
2 Sb 206.831	-0.4	-0.3	0.0566198 mg/L	0.0566198 mg/L	
2 Se 196.026	80.0	75.1	0.0038141 mg/L	0.0038141 mg/L	
2 Si 251.611	41553.1	38997.6	5.98063 mg/L	5.98063 mg/L	
2 Sn 189.933	-8.4	-7.9	-0.0469621 mg/L	-0.0469621 mg/L	
2 Sr 407.771	266134.7	249767.2	0.191824 mg/L	0.191824 mg/L	
2 Ti 334.941	196820.0	184715.4	2.17737 mg/L	2.17737 mg/L	
2 Tl 190.800	-5.9	-5.5	-0.0046222 mg/L	-0.0046222 mg/L	
2 V 292.402	2008.5	1885.0	0.139748 mg/L	0.139748 mg/L	
2 Zn 206.200	619.8	581.7	0.285494 mg/L	0.285494 mg/L	

Mean Data

ID: 1001177-02 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: 1/21/10 10:53:42 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	414991.1	106.4	0.20	mg/L				0.19%

Y 360.064	255020.1	107.8	0.28	mg/L				0.26%
Ag 328.068	-22.6	-0.0016746	0.00256771	mg/L	-0.0016746	0.00256771	mg/L	153.33%
Al 396.140	474598.7	69.2413	0.31974	mg/L	69.2413	0.31974	mg/L	0.46%
As 188.979	20.7	0.119557	0.0083659	mg/L	0.119557	0.0083659	mg/L	7.00%
B 249.773	2798.4	0.0120048	0.00076961	mg/L	0.0120048	0.00076961	mg/L	6.41%
Ba 455.403	406639.7	0.699450	0.0031020	mg/L	0.699450	0.0031020	mg/L	0.44%
Be 234.861	1232.5	0.0014533	0.00051658	mg/L	0.0014533	0.00051658	mg/L	35.54%
Ca 315.887	217297.0	23.7407	0.11091	mg/L	23.7407	0.11091	mg/L	0.47%
Cd 214.438	157.1	0.0029539	0.00090652	mg/L	0.0029539	0.00090652	mg/L	30.69%
Ce 413.765	832.9	0.160973	0.0184809	mg/L	0.160973	0.0184809	mg/L	11.48%
Co 228.616	217.6	0.0342124	0.00335234	mg/L	0.0342124	0.00335234	mg/L	9.80%
Cr 205.560	169.9	0.104742	0.0007470	mg/L	0.104742	0.0007470	mg/L	0.71%
Cu 327.394	780.8	0.0580086	0.00288918	mg/L	0.0580086	0.00288918	mg/L	4.98%
Fe 238.204	836362.6	102.385	0.3961	mg/L	102.385	0.3961	mg/L	0.39%
K 766.514	11626.3	3.14987	0.009227	mg/L	3.14987	0.009227	mg/L	0.29%
Li 670.781	11434.7	0.0736088	0.00103037	mg/L	0.0736088	0.00103037	mg/L	1.40%
Mg 279.074	24992.7	21.7388	0.01939	mg/L	21.7388	0.01939	mg/L	0.09%
Mn 257.610	538817.1	7.91474	0.035929	mg/L	7.91474	0.035929	mg/L	0.45%
Mo 202.031	1.6	-0.0052524	0.01132374	mg/L	-0.0052524	0.01132374	mg/L	215.59%
Na 589.594	6848.9	0.291219	0.0008451	mg/L	0.291219	0.0008451	mg/L	0.29%
Ni 231.603	249.0	0.113276	0.0044133	mg/L	0.113276	0.0044133	mg/L	3.90%
Pb 220.353	10.8	0.0377390	0.03553901	mg/L	0.0377390	0.03553901	mg/L	94.17%
Sb 206.831	-4.9	0.0316311	0.03533941	mg/L	0.0316311	0.03533941	mg/L	111.72%
Se 196.026	69.4	-0.0425818	0.06561368	mg/L	-0.0425818	0.06561368	mg/L	154.09%
Si 251.611	39426.2	6.06392	0.117792	mg/L	6.06392	0.117792	mg/L	1.94%
Sn 189.933	-8.8	-0.0563773	0.01331510	mg/L	-0.0563773	0.01331510	mg/L	23.62%
Sr 407.771	250492.5	0.192389	0.0007988	mg/L	0.192389	0.0007988	mg/L	0.42%
Ti 334.941	185208.5	2.18324	0.008304	mg/L	2.18324	0.008304	mg/L	0.38%
Tl 190.800	-8.8	-0.0255287	0.02956631	mg/L	-0.0255287	0.02956631	mg/L	115.82%
V 292.402	1870.8	0.138699	0.0014834	mg/L	0.138699	0.0014834	mg/L	1.07%
Zn 206.200	590.8	0.290007	0.0063832	mg/L	0.290007	0.0063832	mg/L	2.20%

Replicate Data

ID: 1001177-03 Date: 1/21/10 10:57:11 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	415277.5	415277.5	106.5	mg/L		
1	Y 360.064	255305.4	255305.4	107.9	mg/L		
1	Ag 328.068	-35.3	-33.2	-0.0021341	mg/L	0.0021341	mg/L
1	Al 396.140	561501.7	527300.2	76.9335	mg/L	76.9335	mg/L
1	As 188.979	22.5	21.1	0.122015	mg/L	0.122015	mg/L
1	B 249.773	3456.8	3246.3	0.0062795	mg/L	0.0062795	mg/L
1	Ba 455.403	513320.5	482053.8	0.832247	mg/L	0.832247	mg/L
1	Be 234.861	1521.6	1428.9	0.0014138	mg/L	0.0014138	mg/L
1	Ca 315.887	247733.0	232643.4	25.4194	mg/L	25.4194	mg/L
1	Cd 214.438	191.3	179.7	0.0045810	mg/L	0.0045810	mg/L
1	Ce 413.765	1085.7	1019.5	0.191824	mg/L	0.191824	mg/L
1	Co 228.616	240.5	225.9	0.0290584	mg/L	0.0290584	mg/L
1	Cr 205.560	180.3	169.3	0.101437	mg/L	0.101437	mg/L
1	Cu 327.394	1014.6	952.8	0.0709926	mg/L	0.0709926	mg/L
1	Fe 238.204	1065337.7	1000447.3	122.475	mg/L	122.475	mg/L
1	K 766.514	14198.1	13333.3	3.72417	mg/L	3.72417	mg/L
1	Li 670.781	13536.0	12711.5	0.0823050	mg/L	0.0823050	mg/L
1	Mg 279.074	28909.7	27148.8	23.6071	mg/L	23.6071	mg/L
1	Mn 257.610	664018.0	623572.2	9.15964	mg/L	9.15964	mg/L
1	Mo 202.031	0.0	0.0	-0.0077206	mg/L	-0.0077206	mg/L
1	Na 589.594	7094.9	6662.7	0.279737	mg/L	0.279737	mg/L
1	Ni 231.603	273.2	256.6	0.118038	mg/L	0.118038	mg/L
1	Pb 220.353	10.7	10.1	0.0346594	mg/L	0.0346594	mg/L
1	Sb 206.831	-18.5	-17.4	-0.0185670	mg/L	-0.0185670	mg/L
1	Se 196.026	80.6	75.7	0.0091794	mg/L	0.0091794	mg/L
1	Si 251.611	44137.5	41449.1	6.45299	mg/L	6.45299	mg/L
1	Sn 189.933	-7.1	-6.7	-0.0340578	mg/L	-0.0340578	mg/L
1	Sr 407.771	293136.3	275281.2	0.211692	mg/L	0.211692	mg/L
1	Ti 334.941	207376.1	194744.7	2.29682	mg/L	2.29682	mg/L
1	Tl 190.800	-2.9	-2.7	0.0355248	mg/L	0.0355248	mg/L
1	V 292.402	2356.9	2213.4	0.160178	mg/L	0.160178	mg/L
1	Zn 206.200	735.0	690.2	0.339145	mg/L	0.339145	mg/L
2	Sc 357.253	417002.6	417002.6	106.9	mg/L		

2 Y 360.064	256538.5	256538.5	108.4 mg/L		
2 Ag 328.068	-85.2	-79.6	-0.0041478 mg/L	-0.0041478 mg/L	
2 Al 396.140	559721.2	523453.8	76.3721 mg/L	76.3721 mg/L	
2 As 188.979	17.4	16.3	0.0916264 mg/L	0.0916264 mg/L	
2 B 249.773	3475.8	3250.6	0.0085899 mg/L	0.0085899 mg/L	
2 Ba 455.403	512177.7	478990.8	0.826854 mg/L	0.826854 mg/L	
2 Be 234.861	1521.6	1423.0	0.0014244 mg/L	0.0014244 mg/L	
2 Ca 315.887	247207.7	231189.8	25.2606 mg/L	25.2606 mg/L	
2 Cd 214.438	177.0	165.5	0.0023009 mg/L	0.0023009 mg/L	
2 Ce 413.765	1021.5	955.3	0.181207 mg/L	0.181207 mg/L	
2 Co 228.616	259.9	243.1	0.0351038 mg/L	0.0351038 mg/L	
2 Cr 205.560	174.9	163.5	0.0958888 mg/L	0.0958888 mg/L	
2 Cu 327.394	1024.7	958.3	0.0714135 mg/L	0.0714135 mg/L	
2 Fe 238.204	1063822.1	994891.1	121.795 mg/L	121.795 mg/L	
2 K 766.514	14177.2	13258.6	3.69908 mg/L	3.69908 mg/L	
2 Li 670.781	13657.1	12772.2	0.0827185 mg/L	0.0827185 mg/L	
2 Mg 279.074	28953.3	27077.2	23.5452 mg/L	23.5452 mg/L	
2 Mn 257.610	662359.6	619441.6	9.09897 mg/L	9.09897 mg/L	
2 Mo 202.031	0.8	0.7	-0.0066000 mg/L	-0.0066000 mg/L	
2 Na 589.594	6906.2	6458.7	0.264732 mg/L	0.264732 mg/L	
2 Ni 231.603	269.8	252.3	0.115351 mg/L	0.115351 mg/L	
2 Pb 220.353	21.4	20.0	0.0750938 mg/L	0.0750938 mg/L	
2 Sb 206.831	-2.9	-2.7	0.0614738 mg/L	0.0614738 mg/L	
2 Se 196.026	69.2	64.7	-0.0801751 mg/L	-0.0801751 mg/L	
2 Si 251.611	43709.7	40877.5	6.34232 mg/L	6.34232 mg/L	
2 Sn 189.933	-7.8	-7.3	-0.0408731 mg/L	-0.0408731 mg/L	
2 Sr 407.771	292569.5	273612.2	0.210393 mg/L	0.210393 mg/L	
2 Ti 334.941	206746.5	193350.3	2.28021 mg/L	2.28021 mg/L	
2 Tl 190.800	-8.4	-7.8	0.0005536 mg/L	0.0005536 mg/L	
2 V 292.402	2333.4	2182.2	0.158054 mg/L	0.158054 mg/L	
2 Zn 206.200	738.2	690.3	0.339207 mg/L	0.339207 mg/L	

Mean Data

ID: 1001177-03 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: 1/21/10 10:57:11 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	416140.1	106.7	0.31	mg/L				0.29%
Y 360.064	255921.9	108.1	0.37	mg/L				0.34%
Ag 328.068	-56.4	-0.0031410	0.00142387	mg/L	-0.0031410	0.00142387	mg/L	45.33%
Al 396.140	525377.0	76.6528	0.39698	mg/L	76.6528	0.39698	mg/L	0.52%
As 188.979	18.7	0.106821	0.0214880	mg/L	0.106821	0.0214880	mg/L	20.12%
B 249.773	3248.4	0.0074347	0.00163369	mg/L	0.0074347	0.00163369	mg/L	21.97%
Ba 455.403	480522.3	0.829550	0.0038139	mg/L	0.829550	0.0038139	mg/L	0.46%
Be 234.861	1425.9	0.0014191	0.00000746	mg/L	0.0014191	0.00000746	mg/L	0.53%
Ca 315.887	231916.6	25.3400	0.11232	mg/L	25.3400	0.11232	mg/L	0.44%
Cd 214.438	172.6	0.0034409	0.00161227	mg/L	0.0034409	0.00161227	mg/L	46.86%
Ce 413.765	987.4	0.186516	0.0075077	mg/L	0.186516	0.0075077	mg/L	4.03%
Co 228.616	234.5	0.0320811	0.00427475	mg/L	0.0320811	0.00427475	mg/L	13.32%
Cr 205.560	166.4	0.0986627	0.00392288	mg/L	0.0986627	0.00392288	mg/L	3.98%
Cu 327.394	955.6	0.0712030	0.00029763	mg/L	0.0712030	0.00029763	mg/L	0.42%
Fe 238.204	997669.2	122.135	0.4810	mg/L	122.135	0.4810	mg/L	0.39%
K 766.514	13295.9	3.71163	0.017746	mg/L	3.71163	0.017746	mg/L	0.48%
Li 670.781	12741.8	0.0825118	0.00029235	mg/L	0.0825118	0.00029235	mg/L	0.35%
Mg 279.074	27113.0	23.5761	0.04378	mg/L	23.5761	0.04378	mg/L	0.19%
Mn 257.610	621506.9	9.12931	0.042901	mg/L	9.12931	0.042901	mg/L	0.47%
Mo 202.031	0.4	-0.0071603	0.00079234	mg/L	-0.0071603	0.00079234	mg/L	11.07%
Na 589.594	6560.7	0.272235	0.0106104	mg/L	0.272235	0.0106104	mg/L	3.90%
Ni 231.603	254.4	0.116694	0.0018998	mg/L	0.116694	0.0018998	mg/L	1.63%
Pb 220.353	15.1	0.0548766	0.02859145	mg/L	0.0548766	0.02859145	mg/L	52.10%
Sb 206.831	-10.1	0.0214534	0.05659742	mg/L	0.0214534	0.05659742	mg/L	263.82%
Se 196.026	70.2	-0.0354979	0.06318320	mg/L	-0.0354979	0.06318320	mg/L	177.99%
Si 251.611	41163.3	6.39766	0.078255	mg/L	6.39766	0.078255	mg/L	1.22%
Sn 189.933	-7.0	-0.0374654	0.00481912	mg/L	-0.0374654	0.00481912	mg/L	12.86%
Sr 407.771	274446.7	0.211043	0.0009190	mg/L	0.211043	0.0009190	mg/L	0.44%
Ti 334.941	194047.5	2.28852	0.011743	mg/L	2.28852	0.011743	mg/L	0.51%
Tl 190.800	-5.3	0.0180392	0.02472840	mg/L	0.0180392	0.02472840	mg/L	137.08%
V 292.402	2197.8	0.159116	0.0015022	mg/L	0.159116	0.0015022	mg/L	0.94%
Zn 206.200	690.3	0.339176	0.0000438	mg/L	0.339176	0.0000438	mg/L	0.01%

Replicate Data
ID: 1001177-04 Date: 1/21/10 11:00:47 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	401347.0	401347.0	102.9	mg/L		
1	Y 360.064	240383.5	240383.5	101.6	mg/L		
1	Ag 328.068	-98.3	-95.6	-0.0048377	mg/L	-0.0048377	mg/L
1	Al 396.140	259573.8	252223.8	36.9235	mg/L	36.9235	mg/L
1	As 188.979	38.6	37.5	0.224926	mg/L	0.224926	mg/L
1	B 249.773	2920.9	2838.2	0.0298134	mg/L	0.0298134	mg/L
1	Ba 455.403	89987.0	87439.0	0.137369	mg/L	0.137369	mg/L
1	Be 234.861	1133.2	1101.1	0.0004361	mg/L	0.0004361	mg/L
1	Ca 315.887	10021054.1	9737303.2	1063.11	mg/L	1063.11	mg/L
1	Cd 214.438	231.7	225.1	0.0095043	mg/L	0.0095043	mg/L
1	Ce 413.765	691.5	671.9	0.134379	mg/L	0.134379	mg/L
1	Co 228.616	266.8	259.3	0.0351764	mg/L	0.0351764	mg/L
1	Cr 205.560	164.5	159.9	0.0956605	mg/L	0.0956605	mg/L
1	Cu 327.394	-50.5	-49.1	0.108461	mg/L	0.108461	mg/L
1	Fe 238.204	818784.6	795600.3	97.3946	mg/L	97.3946	mg/L
1	K 766.514	13453.7	13072.7	3.68355	mg/L	3.68355	mg/L
1	Li 670.781	10541.0	10242.6	0.0654886	mg/L	0.0654886	mg/L
1	Mg 279.074	388349.6	377353.3	330.060	mg/L	330.060	mg/L
1	Mn 257.610	300104.5	291606.9	4.28368	mg/L	4.28368	mg/L
1	Mo 202.031	-13.7	-13.3	-0.0292975	mg/L	-0.0292975	mg/L
1	Na 589.594	18476.0	17952.8	1.17137	mg/L	1.17137	mg/L
1	Ni 231.603	283.1	275.1	0.143507	mg/L	0.143507	mg/L
1	Pb 220.353	-1.5	-1.5	-0.0123640	mg/L	-0.0123640	mg/L
1	Sb 206.831	-19.2	-18.7	-0.0487374	mg/L	-0.0487374	mg/L
1	Se 196.026	51.2	49.7	-0.202273	mg/L	-0.202273	mg/L
1	Si 251.611	30515.4	29651.3	2.91293	mg/L	2.91293	mg/L
1	Sn 189.933	-118.3	-115.0	-1.19457	mg/L	-1.19457	mg/L
1	Sr 407.771	765805.6	744121.4	0.576793	mg/L	0.576793	mg/L
1	Ti 334.941	225125.3	218750.8	2.58273	mg/L	2.58273	mg/L
1	Tl 190.800	2.9	2.8	-0.0821837	mg/L	-0.0821837	mg/L
1	V 292.402	2086.1	2027.0	0.150567	mg/L	0.150567	mg/L
1	Zn 206.200	458.9	445.9	0.218355	mg/L	0.218355	mg/L
2	Sc 357.253	403234.5	403234.5	103.4	mg/L		
2	Y 360.064	241976.8	241976.8	102.3	mg/L		
2	Ag 328.068	-178.3	-172.4	-0.0081688	mg/L	-0.0081688	mg/L
2	Al 396.140	260255.5	251702.6	36.8464	mg/L	36.8464	mg/L
2	As 188.979	60.9	58.9	0.358737	mg/L	0.358737	mg/L
2	B 249.773	2887.2	2792.3	0.0250460	mg/L	0.0250460	mg/L
2	Ba 455.403	90223.1	87258.0	0.137050	mg/L	0.137050	mg/L
2	Be 234.861	1183.3	1144.4	0.0009842	mg/L	0.0009842	mg/L
2	Ca 315.887	9997445.3	9668892.6	1055.64	mg/L	1055.64	mg/L
2	Cd 214.438	231.8	224.1	0.0093471	mg/L	0.0093471	mg/L
2	Ce 413.765	615.5	595.3	0.121710	mg/L	0.121710	mg/L
2	Co 228.616	277.0	267.9	0.0380960	mg/L	0.0380960	mg/L
2	Cr 205.560	172.7	167.0	0.102638	mg/L	0.102638	mg/L
2	Cu 327.394	-32.6	-31.6	0.108990	mg/L	0.108990	mg/L
2	Fe 238.204	821980.5	794967.2	97.3171	mg/L	97.3171	mg/L
2	K 766.514	13422.7	12981.6	3.65287	mg/L	3.65287	mg/L
2	Li 670.781	10589.3	10241.3	0.0654798	mg/L	0.0654798	mg/L
2	Mg 279.074	390079.7	377260.2	329.978	mg/L	329.978	mg/L
2	Mn 257.610	301702.5	291787.4	4.28633	mg/L	4.28633	mg/L
2	Mo 202.031	-23.9	-23.2	-0.0452792	mg/L	-0.0452792	mg/L
2	Na 589.594	18319.6	17717.6	1.15381	mg/L	1.15381	mg/L
2	Ni 231.603	276.3	267.2	0.138540	mg/L	0.138540	mg/L
2	Pb 220.353	-4.9	-4.7	-0.0257072	mg/L	-0.0257072	mg/L
2	Sb 206.831	-18.4	-17.8	-0.0438676	mg/L	-0.0438676	mg/L
2	Se 196.026	41.1	39.7	-0.283632	mg/L	-0.283632	mg/L
2	Si 251.611	29593.3	28620.8	2.71241	mg/L	2.71241	mg/L
2	Sn 189.933	-123.3	-119.3	-1.24074	mg/L	-1.24074	mg/L
2	Sr 407.771	768371.4	743119.9	0.576013	mg/L	0.576013	mg/L
2	Ti 334.941	225993.1	218566.1	2.58053	mg/L	2.58053	mg/L
2	Tl 190.800	3.8	3.7	-0.0763567	mg/L	-0.0763567	mg/L
2	V 292.402	2076.8	2008.5	0.149262	mg/L	0.149262	mg/L
2	Zn 206.200	464.4	449.1	0.219951	mg/L	0.219951	mg/L

Mean Data

ID: 1001177-04 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: 1/21/10 11:00:47 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	402290.8	103.2	0.34	mg/L				0.33%
Y 360.064	241180.1	101.9	0.48	mg/L				0.47%
Ag 328.068	-134.0	-0.0065033	0.00235548	mg/L	-0.0065033	0.00235548	mg/L	36.22%
Al 396.140	251963.2	36.8849	0.05449	mg/L	36.8849	0.05449	mg/L	0.15%
As 188.979	48.2	0.291831	0.0946188	mg/L	0.291831	0.0946188	mg/L	32.42%
B 249.773	2815.2	0.0274297	0.00337107	mg/L	0.0274297	0.00337107	mg/L	12.29%
Ba 455.403	87348.5	0.137210	0.0002253	mg/L	0.137210	0.0002253	mg/L	0.16%
Be 234.861	1122.8	0.0007101	0.00038754	mg/L	0.0007101	0.00038754	mg/L	54.57%
Ca 315.887	9703097.9	1059.38	5.281	mg/L	1059.38	5.281	mg/L	0.50%
Cd 214.438	224.6	0.0094257	0.00011114	mg/L	0.0094257	0.00011114	mg/L	1.18%
Ce 413.765	633.6	0.128044	0.0089581	mg/L	0.128044	0.0089581	mg/L	7.00%
Co 228.616	263.6	0.0366362	0.00206442	mg/L	0.0366362	0.00206442	mg/L	5.63%
Cr 205.560	163.4	0.0991491	0.00493352	mg/L	0.0991491	0.00493352	mg/L	4.98%
Cu 327.394	-40.3	0.108726	0.0003736	mg/L	0.108726	0.0003736	mg/L	0.34%
Fe 238.204	795283.8	97.3558	0.05481	mg/L	97.3558	0.05481	mg/L	0.06%
K 766.514	13027.1	3.66821	0.021691	mg/L	3.66821	0.021691	mg/L	0.59%
Li 670.781	10241.9	0.0654842	0.00000625	mg/L	0.0654842	0.00000625	mg/L	0.01%
Mg 279.074	377306.8	330.019	0.0582	mg/L	330.019	0.0582	mg/L	0.02%
Mn 257.610	291697.1	4.28500	0.001875	mg/L	4.28500	0.001875	mg/L	0.04%
Mo 202.031	-18.2	-0.0372884	0.01130075	mg/L	-0.0372884	0.01130075	mg/L	30.31%
Na 589.594	17835.2	1.16259	0.012415	mg/L	1.16259	0.012415	mg/L	1.07%
Ni 231.603	271.1	0.141024	0.0035122	mg/L	0.141024	0.0035122	mg/L	2.49%
Pb 220.353	-3.1	-0.0190356	0.00943508	mg/L	-0.0190356	0.00943508	mg/L	49.57%
Sb 206.831	-18.2	-0.0463025	0.00344348	mg/L	-0.0463025	0.00344348	mg/L	7.44%
Se 196.026	44.7	-0.242953	0.0575292	mg/L	-0.242953	0.0575292	mg/L	23.68%
Si 251.611	29136.0	2.81267	0.141791	mg/L	2.81267	0.141791	mg/L	5.04%
Sn 189.933	-117.1	-1.21765	0.032647	mg/L	-1.21765	0.032647	mg/L	2.68%
Sr 407.771	743620.7	0.576403	0.0005515	mg/L	0.576403	0.0005515	mg/L	0.10%
Ti 334.941	218658.5	2.58163	0.001555	mg/L	2.58163	0.001555	mg/L	0.06%
Tl 190.800	3.2	-0.0792702	0.00412030	mg/L	-0.0792702	0.00412030	mg/L	5.20%
V 292.402	2017.8	0.149914	0.0009226	mg/L	0.149914	0.0009226	mg/L	0.62%
Zn 206.200	447.5	0.219153	0.0011285	mg/L	0.219153	0.0011285	mg/L	0.51%

Replicate Data

ID: 1001177-05 Date: 1/21/10 11:04:24 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	411672.5	411672.5	105.6	mg/L		
1	Y 360.064	252578.4	252578.4	106.7	mg/L		
1	Ag 328.068	-40.6	-38.4	-0.0023629	mg/L	-0.0023629	mg/L
1	Al 396.140	418919.3	396847.8	57.8930	mg/L	57.8930	mg/L
1	As 188.979	28.3	26.8	0.157645	mg/L	0.157645	mg/L
1	B 249.773	3734.4	3537.6	0.0495899	mg/L	0.0495899	mg/L
1	Ba 455.403	559509.2	530030.4	0.916729	mg/L	0.916729	mg/L
1	Be 234.861	1741.6	1649.8	0.0046991	mg/L	0.0046991	mg/L
1	Ca 315.887	814127.3	771233.4	84.2168	mg/L	84.2168	mg/L
1	Cd 214.438	165.4	156.6	0.0076670	mg/L	0.0076670	mg/L
1	Ce 413.765	686.6	650.5	0.130833	mg/L	0.130833	mg/L
1	Co 228.616	278.6	264.0	0.0435417	mg/L	0.0435417	mg/L
1	Cr 205.560	183.0	173.3	0.105947	mg/L	0.105947	mg/L
1	Cu 327.394	3622.6	3431.7	0.258127	mg/L	0.258127	mg/L
1	Fe 238.204	1018745.9	965071.3	118.144	mg/L	118.144	mg/L
1	K 766.514	14106.2	13363.0	3.73405	mg/L	3.73405	mg/L
1	Li 670.781	11309.1	10713.3	0.0686949	mg/L	0.0686949	mg/L
1	Mg 279.074	35553.0	33679.8	29.3423	mg/L	29.3423	mg/L
1	Mn 257.610	403797.2	382522.4	5.61906	mg/L	5.61906	mg/L
1	Mo 202.031	3.2	3.0	-0.0029343	mg/L	-0.0029343	mg/L
1	Na 589.594	12794.8	12120.7	0.680043	mg/L	0.680043	mg/L
1	Ni 231.603	306.4	290.2	0.139241	mg/L	0.139241	mg/L
1	Pb 220.353	96.4	91.4	0.365390	mg/L	0.365390	mg/L
1	Sb 206.831	-6.0	-5.7	0.0419051	mg/L	0.0419051	mg/L
1	Se 196.026	71.0	67.3	-0.0595818	mg/L	-0.0595818	mg/L
1	Si 251.611	30806.4	29183.3	3.95284	mg/L	3.95284	mg/L

1 Sn 189.933	-20.0	-19.0	-0.165671 mg/L	-0.165671 mg/L	
1 Sr 407.771	410518.9	388889.9	0.300163 mg/L	0.300163 mg/L	
1 Ti 334.941	204191.9	193433.7	2.28121 mg/L	2.28121 mg/L	
1 Tl 190.800	3.0	2.8	-0.0819063 mg/L	-0.0819063 mg/L	
1 V 292.402	1956.5	1853.4	0.135144 mg/L	0.135144 mg/L	
1 Zn 206.200	1089.0	1031.6	0.507905 mg/L	0.507905 mg/L	
2 Sc 357.253	413053.5	413053.5	105.9 mg/L		
2 Y 360.064	253625.6	253625.6	107.2 mg/L		
2 Ag 328.068	-76.0	-71.7	-0.0038059 mg/L	-0.0038059 mg/L	
2 Al 396.140	416334.7	393080.7	57.3431 mg/L	57.3431 mg/L	
2 As 188.979	25.8	24.4	0.142175 mg/L	0.142175 mg/L	
2 B 249.773	3577.7	3377.9	0.0345377 mg/L	0.0345377 mg/L	
2 Ba 455.403	556357.0	525282.2	0.908368 mg/L	0.908368 mg/L	
2 Be 234.861	1641.6	1549.9	0.0035593 mg/L	0.0035593 mg/L	
2 Ca 315.887	810329.9	765069.5	83.5436 mg/L	83.5436 mg/L	
2 Cd 214.438	173.2	163.5	0.0088820 mg/L	0.0088820 mg/L	
2 Ce 413.765	789.4	745.3	0.146508 mg/L	0.146508 mg/L	
2 Co 228.616	287.0	271.0	0.0462292 mg/L	0.0462292 mg/L	
2 Cr 205.560	187.6	177.1	0.109734 mg/L	0.109734 mg/L	
2 Cu 327.394	3475.5	3281.4	0.246778 mg/L	0.246778 mg/L	
2 Fe 238.204	1014885.5	958199.8	117.302 mg/L	117.302 mg/L	
2 K 766.514	13837.5	13064.6	3.63425 mg/L	3.63425 mg/L	
2 Li 670.781	11214.0	10587.7	0.0678391 mg/L	0.0678391 mg/L	
2 Mg 279.074	34729.5	32789.7	28.5645 mg/L	28.5645 mg/L	
2 Mn 257.610	401688.0	379252.0	5.57102 mg/L	5.57102 mg/L	
2 Mo 202.031	-3.1	-2.9	-0.0125105 mg/L	-0.0125105 mg/L	
2 Na 589.594	12973.1	12248.5	0.689211 mg/L	0.689211 mg/L	
2 Ni 231.603	298.8	282.2	0.134161 mg/L	0.134161 mg/L	
2 Pb 220.353	96.8	91.4	0.365342 mg/L	0.365342 mg/L	
2 Sb 206.831	-14.4	-13.6	-0.0024996 mg/L	-0.0024996 mg/L	
2 Se 196.026	70.3	66.4	-0.0668062 mg/L	-0.0668062 mg/L	
2 Si 251.611	29814.1	28148.9	3.75498 mg/L	3.75498 mg/L	
2 Sn 189.933	-17.9	-16.9	-0.143964 mg/L	-0.143964 mg/L	
2 Sr 407.771	407925.3	385141.0	0.297244 mg/L	0.297244 mg/L	
2 Ti 334.941	203113.5	191768.8	2.26138 mg/L	2.26138 mg/L	
2 Tl 190.800	4.2	4.0	-0.0743855 mg/L	-0.0743855 mg/L	
2 V 292.402	1915.2	1808.2	0.132047 mg/L	0.132047 mg/L	
2 Zn 206.200	1098.3	1037.0	0.510573 mg/L	0.510573 mg/L	

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

ID: 1001177-05 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: 1/21/10 11:04:24 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	412363.0	105.7	0.25	mg/L				0.24%
Y 360.064	253102.0	107.0	0.31	mg/L				0.29%
Ag 328.068	-55.1	-0.0030844	0.00102039	mg/L	-0.0030844	0.00102039	mg/L	33.08%
Al 396.140	394964.2	57.6180	0.38879	mg/L	57.6180	0.38879	mg/L	0.67%
As 188.979	25.6	0.149910	0.0109396	mg/L	0.149910	0.0109396	mg/L	7.30%
B 249.773	3457.8	0.0420638	0.01064355	mg/L	0.0420638	0.01064355	mg/L	25.30%
Ba 455.403	527656.3	0.912549	0.0059122	mg/L	0.912549	0.0059122	mg/L	0.65%
Be 234.861	1599.9	0.0041292	0.00080592	mg/L	0.0041292	0.00080592	mg/L	19.52%
Ca 315.887	768151.5	83.8802	0.47601	mg/L	83.8802	0.47601	mg/L	0.57%
Cd 214.438	160.1	0.0082745	0.00085913	mg/L	0.0082745	0.00085913	mg/L	10.38%
Ce 413.765	697.9	0.138671	0.0110838	mg/L	0.138671	0.0110838	mg/L	7.99%
Co 228.616	267.5	0.0448854	0.00190035	mg/L	0.0448854	0.00190035	mg/L	4.23%
Cr 205.560	175.2	0.107840	0.0026774	mg/L	0.107840	0.0026774	mg/L	2.48%
Cu 327.394	3356.5	0.252452	0.0080244	mg/L	0.252452	0.0080244	mg/L	3.18%
Fe 238.204	961635.6	117.723	0.5949	mg/L	117.723	0.5949	mg/L	0.51%
K 766.514	13213.8	3.68415	0.070567	mg/L	3.68415	0.070567	mg/L	1.92%
Li 670.781	10650.5	0.0682670	0.00060513	mg/L	0.0682670	0.00060513	mg/L	0.89%
Mg 279.074	33234.8	28.9534	0.55004	mg/L	28.9534	0.55004	mg/L	1.90%
Mn 257.610	380887.2	5.59504	0.033967	mg/L	5.59504	0.033967	mg/L	0.61%
Mo 202.031	0.0	-0.0077224	0.00677137	mg/L	-0.0077224	0.00677137	mg/L	87.68%
Na 589.594	12184.6	0.684627	0.0064826	mg/L	0.684627	0.0064826	mg/L	0.95%
Ni 231.603	286.2	0.136701	0.0035926	mg/L	0.136701	0.0035926	mg/L	2.63%
Pb 220.353	91.4	0.365366	0.0000341	mg/L	0.365366	0.0000341	mg/L	0.01%
Sb 206.831	-9.6	0.0197027	0.03139883	mg/L	0.0197027	0.03139883	mg/L	159.36%
Se 196.026	66.8	-0.0631940	0.00510842	mg/L	-0.0631940	0.00510842	mg/L	8.08%

Si 251.611	28666.1	3.85391	0.139914	mg/L	3.85391	0.139914 mg/L	3.63%
Sn 189.933	-17.9	-0.154817	0.0153490	mg/L	-0.154817	0.0153490 mg/L	9.91%
Sr 407.771	387015.4	0.298703	0.0020644	mg/L	0.298703	0.0020644 mg/L	0.69%
Ti 334.941	192601.2	2.27129	0.014021	mg/L	2.27129	0.014021 mg/L	0.62%
Tl 190.800	3.4	-0.0781459	0.00531800	mg/L	-0.0781459	0.00531800 mg/L	6.81%
V 292.402	1830.8	0.133595	0.0021897	mg/L	0.133595	0.0021897 mg/L	1.64%
Zn 206.200	1034.3	0.509239	0.0018862	mg/L	0.509239	0.0018862 mg/L	0.37%

Replicate Data -
ID: 0A21015-CCV Date: 1/21/10 11:07:49 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	396857.3	396857.3	101.8	mg/L		
1	Y 360.064	241198.7	241198.7	101.9	mg/L		
1	Ag 328.068	11811.2	11606.6	0.502163	mg/L		
1	Al 396.140	17824.7	17515.9	2.52651	mg/L		
1	As 188.979	415.8	408.6	2.55163	mg/L		
1	B 249.773	4705.0	4623.5	0.486747	mg/L		
1	Ba 455.403	299978.8	294782.4	0.502480	mg/L		
1	Be 234.861	4216.2	4143.1	0.0503363	mg/L		
1	Ca 315.887	46916.3	46103.6	5.02750	mg/L		
1	Cd 214.438	3147.7	3093.2	0.508963	mg/L		
1	Ce 413.765	-107.6	-105.7	0.0058728	mg/L		
1	Co 228.616	1544.5	1517.8	0.510945	mg/L		
1	Cr 205.560	575.7	565.8	0.504972	mg/L		
1	Cu 327.394	6803.8	6686.0	0.503790	mg/L		
1	Fe 238.204	4436.9	4360.1	0.519075	mg/L		
1	K 766.514	17860.8	17551.4	5.09732	mg/L		
1	Li 670.781	75678.3	74367.4	0.502261	mg/L		
1	Mg 279.074	5857.4	5755.9	5.00661	mg/L		
1	Mn 257.610	34890.1	34285.7	0.504100	mg/L		
1	Mo 202.031	321.8	316.3	0.504260	mg/L		
1	Na 589.594	73176.0	71908.4	5.03066	mg/L		
1	Ni 231.603	885.9	870.5	0.504898	mg/L		
1	Pb 220.353	127.9	125.7	0.504925	mg/L		
1	Sb 206.831	472.5	464.3	2.52181	mg/L		
1	Se 196.026	379.9	373.3	2.43049	mg/L		
1	Si 251.611	20627.6	20270.3	2.43185	mg/L		
1	Sn 189.933	243.1	238.8	2.59704	mg/L		
1	Sr 407.771	660908.9	649460.3	0.503077	mg/L		
1	Ti 334.941	44761.2	43985.9	0.501311	mg/L		
1	Tl 190.800	401.4	394.4	2.50755	mg/L		
1	V 292.402	6925.6	6805.6	0.505640	mg/L		
1	Zn 206.200	1055.1	1036.8	0.510501	mg/L		
2	Sc 357.253	397325.5	397325.5	101.9	mg/L		
2	Y 360.064	241575.0	241575.0	102.1	mg/L		
2	Ag 328.068	11929.8	11709.3	0.506614	mg/L		
2	Al 396.140	17923.5	17592.3	2.53766	mg/L		
2	As 188.979	407.7	400.2	2.49921	mg/L		
2	B 249.773	4847.2	4757.7	0.501294	mg/L		
2	Ba 455.403	302439.9	296850.6	0.506122	mg/L		
2	Be 234.861	4219.2	4141.3	0.0503130	mg/L		
2	Ca 315.887	47422.0	46545.6	5.07581	mg/L		
2	Cd 214.438	3160.2	3101.8	0.510406	mg/L		
2	Ce 413.765	-133.8	-131.3	0.0016386	mg/L		
2	Co 228.616	1537.8	1509.3	0.508110	mg/L		
2	Cr 205.560	582.5	571.7	0.510805	mg/L		
2	Cu 327.394	6910.7	6783.0	0.511116	mg/L		
2	Fe 238.204	4452.3	4370.1	0.520298	mg/L		
2	K 766.514	17932.7	17601.3	5.11396	mg/L		
2	Li 670.781	76270.7	74861.1	0.505625	mg/L		
2	Mg 279.074	5976.5	5866.0	5.10292	mg/L		
2	Mn 257.610	35210.7	34560.0	0.508127	mg/L		
2	Mo 202.031	316.4	310.6	0.495094	mg/L		
2	Na 589.594	73635.3	72274.5	5.05744	mg/L		
2	Ni 231.603	885.9	869.5	0.504272	mg/L		
2	Pb 220.353	132.5	130.1	0.522870	mg/L		
2	Sb 206.831	466.7	458.1	2.48774	mg/L		
2	Se 196.026	387.7	380.5	2.48878	mg/L		

2	Si 251.611	21857.0	21453.1	2.66246 mg/L
2	Sn 189.933	238.2	233.8	2.54261 mg/L
2	Sr 407.771	666577.0	654258.2	0.506813 mg/L
2	Ti 334.941	45225.8	44390.0	0.506124 mg/L
2	Tl 190.800	409.5	401.9	2.55726 mg/L
2	V 292.402	6994.7	6865.5	0.509905 mg/L
2	Zn 206.200	1051.7	1032.2	0.508232 mg/L

Mean Data

ID: 0A21015-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: 1/21/10 11:07:49 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	397091.4	101.8	0.08	mg/L				0.08%
Y 360.064	241386.8	102.0	0.11	mg/L				0.11%
Ag 328.068	11657.9	0.504388	0.0031476	mg/L				0.62%
Al 396.140	17554.1	2.53208	0.007881	mg/L				0.31%
As 188.979	404.4	2.52542	0.037061	mg/L				1.47%
B 249.773	4690.6	0.494021	0.0102863	mg/L				2.08%
Ba 455.403	295816.5	0.504301	0.0025752	mg/L				0.51%
Be 234.861	4142.2	0.0503247	0.00001644	mg/L				0.03%
Ca 315.887	46324.6	5.05166	0.034158	mg/L				0.68%
Cd 214.438	3097.5	0.509684	0.0010199	mg/L				0.20%
Ce 413.765	-118.5	0.0037557	0.00299404	mg/L				79.72%
Co 228.616	1513.6	0.509527	0.0020049	mg/L				0.39%
Cr 205.560	568.7	0.507889	0.0041252	mg/L				0.81%
Cu 327.394	6734.5	0.507453	0.0051803	mg/L				1.02%
Fe 238.204	4365.1	0.519687	0.0008653	mg/L				0.17%
K 766.514	17576.3	5.10564	0.011767	mg/L				0.23%
Li 670.781	74614.2	0.503943	0.0023782	mg/L				0.47%
Mg 279.074	5811.0	5.05477	0.068101	mg/L				1.35%
Mn 257.610	34422.8	0.506113	0.0028480	mg/L				0.56%
Mo 202.031	313.4	0.499677	0.0064816	mg/L				1.30%
Na 589.594	72091.4	5.04405	0.018931	mg/L				0.38%
Ni 231.603	870.0	0.504585	0.0004428	mg/L				0.09%
Pb 220.353	127.9	0.513897	0.0126888	mg/L				2.47%
Sb 206.831	461.2	2.50478	0.024094	mg/L				0.96%
Se 196.026	376.9	2.45963	0.041216	mg/L				1.68%
Si 251.611	20861.7	2.54716	0.163063	mg/L				6.40%
Sn 189.933	236.3	2.56982	0.038489	mg/L				1.50%
Sr 407.771	651859.2	0.504945	0.0026420	mg/L				0.52%
Ti 334.941	44187.9	0.503718	0.0034036	mg/L				0.68%
Tl 190.800	398.2	2.53240	0.035147	mg/L				1.39%
V 292.402	6835.5	0.507772	0.0030161	mg/L				0.59%
Zn 206.200	1034.5	0.509366	0.0016047	mg/L				0.32%

Replicate Data

ID: 0A21015-CCB Date: 1/21/10 11:11:05 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	392083.2	392083.2	100.5	mg/L		
1	Y 360.064	238184.9	238184.9	100.7	mg/L		
1	Ag 328.068	-57.6	-57.3	-0.0031801	mg/L		
1	Al 396.140	117.2	116.6	-0.0130577	mg/L		
1	As 188.979	4.8	4.8	0.0195231	mg/L		
1	B 249.773	156.9	156.0	0.0021658	mg/L		
1	Ba 455.403	8485.6	8440.1	-0.0017404	mg/L		
1	Be 234.861	93.6	93.0	-0.0000668	mg/L		
1	Ca 315.887	-231.5	-230.2	-0.0287124	mg/L		
1	Cd 214.438	46.2	46.0	-0.0020970	mg/L		
1	Ce 413.765	-154.3	-153.5	-0.0020288	mg/L		
1	Co 228.616	-8.9	-8.9	-0.0012500	mg/L		
1	Cr 205.560	46.3	46.1	-0.0019543	mg/L		
1	Cu 327.394	-61.7	-61.4	-0.0055632	mg/L		
1	Fe 238.204	157.1	156.3	0.0043797	mg/L		
1	K 766.514	2089.5	2078.3	-0.0634230	mg/L		
1	Li 670.781	412.9	410.6	-0.0014796	mg/L		
1	Mg 279.074	-3.9	-3.9	-0.0306810	mg/L		

1 Mn 257.610	-174.1	-173.2	-0.0020396	mg/L
1 Mo 202.031	4.2	4.2	-0.0009942	mg/L
1 Na 589.594	2773.5	2758.6	-0.0217654	mg/L
1 Ni 231.603	78.5	78.1	0.0055663	mg/L
1 Pb 220.353	1.4	1.4	-0.0006981	mg/L
1 Sb 206.831	-2.8	-2.8	-0.0506975	mg/L
1 Se 196.026	78.4	78.0	0.0277839	mg/L
1 Si 251.611	7810.6	7768.7	-0.0056579	mg/L
1 Sn 189.933	-0.1	-0.1	0.0360441	mg/L
1 Sr 407.771	910.8	905.9	-0.0019721	mg/L
1 Ti 334.941	1815.8	1806.1	-0.0010423	mg/L
1 Tl 190.800	23.3	23.2	0.0525999	mg/L
1 V 292.402	-225.6	-224.4	0.0042973	mg/L
1 Zn 206.200	8.0	7.9	0.0018542	mg/L
2 Sc 357.253	390943.0	390943.0	100.2	mg/L
2 Y 360.064	237720.8	237720.8	100.5	mg/L
2 Ag 328.068	1.8	1.8	-0.0006182	mg/L
2 Al 396.140	60.5	60.3	-0.0212698	mg/L
2 As 188.979	4.5	4.5	0.0174076	mg/L
2 B 249.773	178.1	177.6	0.0045094	mg/L
2 Ba 455.403	8465.1	8444.3	-0.0017331	mg/L
2 Be 234.861	75.4	75.2	-0.0002885	mg/L
2 Ca 315.887	-134.8	-134.5	-0.0182602	mg/L
2 Cd 214.438	45.5	45.4	-0.0021956	mg/L
2 Ce 413.765	-202.2	-201.7	-0.0099951	mg/L
2 Co 228.616	-9.9	-9.9	-0.0015810	mg/L
2 Cr 205.560	49.7	49.6	0.0015084	mg/L
2 Cu 327.394	-41.6	-41.5	-0.0040677	mg/L
2 Fe 238.204	168.3	167.9	0.0058095	mg/L
2 K 766.514	2260.1	2254.5	-0.0046468	mg/L
2 Li 670.781	380.2	379.3	-0.0016931	mg/L
2 Mg 279.074	2.6	2.6	-0.0250067	mg/L
2 Mn 257.610	-189.4	-189.0	-0.0022710	mg/L
2 Mo 202.031	1.9	1.9	-0.0046845	mg/L
2 Na 589.594	2676.4	2669.8	-0.0282562	mg/L
2 Ni 231.603	67.0	66.9	-0.0014878	mg/L
2 Pb 220.353	12.4	12.4	0.0440764	mg/L
2 Sb 206.831	1.7	1.7	-0.0255558	mg/L
2 Se 196.026	70.6	70.4	-0.0340132	mg/L
2 Si 251.611	7213.6	7195.9	-0.117347	mg/L
2 Sn 189.933	-2.6	-2.6	0.0100459	mg/L
2 Sr 407.771	859.6	857.5	-0.0020098	mg/L
2 Ti 334.941	1819.4	1814.9	-0.0009364	mg/L
2 Tl 190.800	21.1	21.0	0.0384468	mg/L
2 V 292.402	-306.7	-305.9	-0.0015165	mg/L
2 Zn 206.200	-6.6	-6.6	-0.0053243	mg/L

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

ID: 0A21015-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: 1/21/10 11:11:05 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Sc 357.253	391513.1	100.4	0.21	mg/L				0.21%
Y 360.064	237952.9	100.6	0.14	mg/L				0.14%
Ag 328.068	-27.7	-0.0018991	0.00181152	mg/L				95.39%
Al 396.140	88.4	-0.0171637	0.00580683	mg/L				33.83%
As 188.979	4.6	0.0184654	0.00149591	mg/L				8.10%
B 249.773	166.8	0.0033376	0.00165714	mg/L				49.65%
Ba 455.403	8442.2	-0.0017368	0.00000515	mg/L				0.30%
Be 234.861	84.1	-0.0001777	0.00015671	mg/L				88.21%
Ca 315.887	-182.4	-0.0234863	0.00739084	mg/L				31.47%
Cd 214.438	45.7	-0.0021463	0.00006974	mg/L				3.25%
Ce 413.765	-177.6	-0.0060120	0.00563303	mg/L				93.70%
Co 228.616	-9.4	-0.0014155	0.00023402	mg/L				16.53%
Cr 205.560	47.8	-0.0002230	0.00244851	mg/L				>999.9%
Cu 327.394	-51.4	-0.0048155	0.00105748	mg/L				21.96%
Fe 238.204	162.1	0.0050946	0.00101098	mg/L				19.84%
K 766.514	2166.4	-0.0340349	0.04156110	mg/L				122.11%
Li 670.781	395.0	-0.0015863	0.00015096	mg/L				9.52%

Mg 279.074	-0.7	-0.0278438	0.00401231	mg/L	14.41%
Mn 257.610	-181.1	-0.0021553	0.00016360	mg/L	7.59%
Mo 202.031	3.1	-0.0028394	0.00260941	mg/L	91.90%
Na 589.594	2714.2	-0.0250108	0.00458966	mg/L	18.35%
Ni 231.603	72.5	0.0020392	0.00498799	mg/L	244.60%
Pb 220.353	6.9	0.0216892	0.03166033	mg/L	145.97%
Sb 206.831	-0.6	-0.0381267	0.01777783	mg/L	46.63%
Se 196.026	74.2	-0.0031146	0.04369717	mg/L	>999.9%
Si 251.611	7482.3	-0.0615025	0.07897616	mg/L	128.41%
Sn 189.933	-1.3	0.0230450	0.01838351	mg/L	79.77%
Sr 407.771	881.7	-0.0019909	0.00002667	mg/L	1.34%
Ti 334.941	1810.5	-0.0009894	0.00007485	mg/L	7.57%
Tl 190.800	22.1	0.0455234	0.01000780	mg/L	21.98%
V 292.402	-265.2	0.0013904	0.00411102	mg/L	295.68%
Zn 206.200	0.7	-0.0017351	0.00507595	mg/L	292.55%

Replicate Data

ID: 1000389-MS1 Date: 1/21/10 11:14:27 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	414025.0	414025.0	106.2	mg/L		
1	Y 360.064	254213.0	254213.0	107.4	mg/L		
1	Ag 328.068	5768.1	5433.2	0.234697	mg/L	0.234697	mg/L
1	Al 396.140	441847.2	416189.3	60.7160	mg/L	60.7160	mg/L
1	As 188.979	243.9	229.8	1.43043	mg/L	1.43043	mg/L
1	B 249.773	5440.4	5124.5	0.261042	mg/L	0.261042	mg/L
1	Ba 455.403	666170.0	627485.7	1.08834	mg/L	1.08834	mg/L
1	Be 234.861	3742.0	3524.7	0.0298301	mg/L	0.0298301	mg/L
1	Ca 315.887	691396.4	651247.2	71.1164	mg/L	71.1164	mg/L
1	Cd 214.438	1720.2	1620.3	0.248992	mg/L	0.248992	mg/L
1	Ce 413.765	676.9	637.6	0.128710	mg/L	0.128710	mg/L
1	Co 228.616	1033.5	973.4	0.287331	mg/L	0.287331	mg/L
1	Cr 205.560	444.6	418.7	0.347322	mg/L	0.347322	mg/L
1	Cu 327.394	21100.6	19875.2	1.49944	mg/L	1.49944	mg/L
1	Fe 238.204	898409.9	846239.5	103.595	mg/L	103.595	mg/L
1	K 766.514	54626.6	51454.5	16.4341	mg/L	16.4341	mg/L
1	Li 670.781	50839.0	47886.8	0.321894	mg/L	0.321894	mg/L
1	Mg 279.074	53139.5	50053.7	43.6714	mg/L	43.6714	mg/L
1	Mn 257.610	397226.7	374159.9	5.49623	mg/L	5.49623	mg/L
1	Mo 202.031	153.0	144.1	0.225536	mg/L	0.225536	mg/L
1	Na 589.594	189799.0	178777.4	12.8586	mg/L	12.8586	mg/L
1	Ni 231.603	690.7	650.6	0.366338	mg/L	0.366338	mg/L
1	Pb 220.353	139.1	131.0	0.526576	mg/L	0.526576	mg/L
1	Sb 206.831	123.3	116.2	0.699677	mg/L	0.699677	mg/L
1	Se 196.026	234.1	220.5	1.18738	mg/L	1.18738	mg/L
1	Si 251.611	35086.3	33048.9	4.64075	mg/L	4.64075	mg/L
1	Sn 189.933	106.0	99.8	1.10702	mg/L	1.10702	mg/L
1	Sr 407.771	652050.3	614185.9	0.475608	mg/L	0.475608	mg/L
1	Ti 334.941	229148.2	215841.7	2.54808	mg/L	2.54808	mg/L
1	Tl 190.800	192.0	180.8	1.09501	mg/L	1.09501	mg/L
1	V 292.402	5690.6	5360.1	0.387355	mg/L	0.387355	mg/L
1	Zn 206.200	1517.4	1429.2	0.704497	mg/L	0.704497	mg/L
2	Sc 357.253	414351.2	414351.2	106.2	mg/L		
2	Y 360.064	254575.7	254575.7	107.6	mg/L		
2	Ag 328.068	5820.6	5478.3	0.236652	mg/L	0.236652	mg/L
2	Al 396.140	439503.9	413656.1	60.3463	mg/L	60.3463	mg/L
2	As 188.979	233.5	219.8	1.36769	mg/L	1.36769	mg/L
2	B 249.773	5467.8	5146.3	0.264539	mg/L	0.264539	mg/L
2	Ba 455.403	663082.9	624086.1	1.08235	mg/L	1.08235	mg/L
2	Be 234.861	3721.9	3503.1	0.0296131	mg/L	0.0296131	mg/L
2	Ca 315.887	689050.1	648526.1	70.8193	mg/L	70.8193	mg/L
2	Cd 214.438	1722.7	1621.4	0.249238	mg/L	0.249238	mg/L
2	Ce 413.765	837.3	788.1	0.153570	mg/L	0.153570	mg/L
2	Co 228.616	1034.6	973.7	0.287595	mg/L	0.287595	mg/L
2	Cr 205.560	445.4	419.2	0.347797	mg/L	0.347797	mg/L
2	Cu 327.394	21157.5	19913.2	1.50231	mg/L	1.50231	mg/L
2	Fe 238.204	895482.3	842817.8	103.176	mg/L	103.176	mg/L
2	K 766.514	54479.7	51275.6	16.3743	mg/L	16.3743	mg/L
2	Li 670.781	50448.5	47481.6	0.319134	mg/L	0.319134	mg/L

2	Mg 279.074	53088.3	49966.1	43.5951 mg/L	43.5951 mg/L
2	Mn 257.610	395744.6	372470.3	5.47141 mg/L	5.47141 mg/L
2	Mo 202.031	158.9	149.6	0.234423 mg/L	0.234423 mg/L
2	Na 589.594	188611.6	177519.1	12.7665 mg/L	12.7665 mg/L
2	Ni 231.603	687.0	646.6	0.363823 mg/L	0.363823 mg/L
2	Pb 220.353	150.6	141.7	0.570257 mg/L	0.570257 mg/L
2	Sb 206.831	111.3	104.7	0.636284 mg/L	0.636284 mg/L
2	Se 196.026	240.1	226.0	1.23139 mg/L	1.23139 mg/L
2	Si 251.611	34393.4	32370.6	4.50938 mg/L	4.50938 mg/L
2	Sn 189.933	108.0	101.7	1.12725 mg/L	1.12725 mg/L
2	Sr 407.771	649284.4	611099.1	0.473204 mg/L	0.473204 mg/L
2	Ti 334.941	228210.2	214788.9	2.53554 mg/L	2.53554 mg/L
2	Tl 190.800	195.1	183.7	1.11384 mg/L	1.11384 mg/L
2	V 292.402	5605.8	5276.1	0.381427 mg/L	0.381427 mg/L
2	Zn 206.200	1512.5	1423.6	0.701702 mg/L	0.701702 mg/L

Mean Data

ID: 1000389-MS1 Seq. No.: 28 Sample No.: 11 A/S Pos: 27
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/21/10 11:14:27 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	414188.1	106.2	0.06	mg/L				0.06%
Y 360.064	254394.3	107.5	0.11	mg/L				0.10%
Ag 328.068	5455.7	0.235674	0.0013823	mg/L	0.235674	0.0013823	mg/L	0.59%
Al 396.140	414922.7	60.5311	0.26144	mg/L	60.5311	0.26144	mg/L	0.43%
As 188.979	224.8	1.39906	0.044362	mg/L	1.39906	0.044362	mg/L	3.17%
B 249.773	5135.4	0.262790	0.0024729	mg/L	0.262790	0.0024729	mg/L	0.94%
Ba 455.403	625785.9	1.08535	0.004233	mg/L	1.08535	0.004233	mg/L	0.39%
Be 234.861	3513.9	0.0297216	0.00015348	mg/L	0.0297216	0.00015348	mg/L	0.52%
Ca 315.887	649886.7	70.9679	0.21014	mg/L	70.9679	0.21014	mg/L	0.30%
Cd 214.438	1620.8	0.249115	0.0001740	mg/L	0.249115	0.0001740	mg/L	0.07%
Ce 413.765	712.8	0.141140	0.0175789	mg/L	0.141140	0.0175789	mg/L	12.45%
Co 228.616	973.6	0.287463	0.0001866	mg/L	0.287463	0.0001866	mg/L	0.06%
Cr 205.560	419.0	0.347560	0.0003360	mg/L	0.347560	0.0003360	mg/L	0.10%
Cu 327.394	19894.2	1.50087	0.002024	mg/L	1.50087	0.002024	mg/L	0.13%
Fe 238.204	844528.7	103.385	0.2962	mg/L	103.385	0.2962	mg/L	0.29%
K 766.514	51365.0	16.4042	0.04225	mg/L	16.4042	0.04225	mg/L	0.26%
Li 670.781	47684.2	0.320514	0.0019516	mg/L	0.320514	0.0019516	mg/L	0.61%
Mg 279.074	50009.9	43.6333	0.05395	mg/L	43.6333	0.05395	mg/L	0.12%
Mn 257.610	373315.1	5.48382	0.017548	mg/L	5.48382	0.017548	mg/L	0.32%
Mo 202.031	146.8	0.229980	0.0062843	mg/L	0.229980	0.0062843	mg/L	2.73%
Na 589.594	178148.3	12.8125	0.06509	mg/L	12.8125	0.06509	mg/L	0.51%
Ni 231.603	648.6	0.365080	0.0017786	mg/L	0.365080	0.0017786	mg/L	0.49%
Pb 220.353	136.3	0.548416	0.0308872	mg/L	0.548416	0.0308872	mg/L	5.63%
Sb 206.831	110.5	0.667981	0.0448254	mg/L	0.667981	0.0448254	mg/L	6.71%
Se 196.026	223.2	1.20939	0.031118	mg/L	1.20939	0.031118	mg/L	2.57%
Si 251.611	32709.8	4.57506	0.092891	mg/L	4.57506	0.092891	mg/L	2.03%
Sn 189.933	100.7	1.11713	0.014305	mg/L	1.11713	0.014305	mg/L	1.28%
Sr 407.771	612642.5	0.474406	0.0016997	mg/L	0.474406	0.0016997	mg/L	0.36%
Ti 334.941	215315.3	2.54181	0.008866	mg/L	2.54181	0.008866	mg/L	0.35%
Tl 190.800	182.2	1.10443	0.013316	mg/L	1.10443	0.013316	mg/L	1.21%
V 292.402	5318.1	0.384391	0.0041915	mg/L	0.384391	0.0041915	mg/L	1.09%
Zn 206.200	1426.4	0.703099	0.0019760	mg/L	0.703099	0.0019760	mg/L	0.28%

Replicate Data

ID: 1000389-MSD1 Date: 1/21/10 11:17:59 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	414760.5	414760.5	106.4	mg/L		
1	Y 360.064	255704.7	255704.7	108.1	mg/L		
1	Ag 328.068	5906.4	5553.6	0.239914	mg/L	0.239914	mg/L
1	Al 396.140	486184.4	457139.8	66.6931	mg/L	66.6931	mg/L
1	As 188.979	244.6	230.0	1.43162	mg/L	1.43162	mg/L
1	B 249.773	5922.7	5568.9	0.262870	mg/L	0.262870	mg/L
1	Ba 455.403	741398.6	697107.4	1.21094	mg/L	1.21094	mg/L
1	Be 234.861	3961.6	3725.0	0.0302014	mg/L	0.0302014	mg/L
1	Ca 315.887	792244.1	744915.4	81.3453	mg/L	81.3453	mg/L
1	Cd 214.438	1761.8	1656.5	0.253281	mg/L	0.253281	mg/L

1 Ce 413.765	954.5	897.5	0.171655 mg/L	0.171655 mg/L	
1 Co 228.616	1099.1	1033.5	0.300684 mg/L	0.300684 mg/L	
1 Cr 205.560	458.2	430.8	0.356727 mg/L	0.356727 mg/L	
1 Cu 327.394	7587.6	7134.3	0.537637 mg/L	0.537637 mg/L	
1 Fe 238.204	1049046.1	986376.1	120.752 mg/L	120.752 mg/L	
1 K 766.514	56857.8	53461.1	17.1079 mg/L	17.1079 mg/L	
1 Li 670.781	52738.1	49587.5	0.333478 mg/L	0.333478 mg/L	
1 Mg 279.074	57567.4	54128.3	47.2229 mg/L	47.2229 mg/L	
1 Mn 257.610	447448.9	420718.3	6.18009 mg/L	6.18009 mg/L	
1 Mo 202.031	155.4	146.1	0.228770 mg/L	0.228770 mg/L	
1 Na 589.594	193619.9	182053.0	13.1000 mg/L	13.1000 mg/L	
1 Ni 231.603	746.1	701.5	0.398403 mg/L	0.398403 mg/L	
1 Pb 220.353	239.8	225.5	0.911038 mg/L	0.911038 mg/L	
1 Sb 206.831	98.5	92.6	0.585637 mg/L	0.585637 mg/L	
1 Se 196.026	225.6	212.1	1.11849 mg/L	1.11849 mg/L	
1 Si 251.611	37317.2	35087.8	5.03627 mg/L	5.03627 mg/L	
1 Sn 189.933	99.3	93.4	1.03842 mg/L	1.03842 mg/L	
1 Sr 407.771	805058.8	756964.6	0.586794 mg/L	0.586794 mg/L	
1 Ti 334.941	208291.6	195848.3	2.30996 mg/L	2.30996 mg/L	
1 Tl 190.800	195.3	183.6	1.21762 mg/L	1.21762 mg/L	
1 V 292.402	5801.8	5455.2	0.391618 mg/L	0.391618 mg/L	
1 Zn 206.200	1795.1	1687.8	0.832338 mg/L	0.832338 mg/L	
2 Sc 357.253	413905.6	413905.6	106.1 mg/L		
2 Y 360.064	254752.0	254752.0	107.7 mg/L		
2 Ag 328.068	5807.5	5471.8	0.236372 mg/L	0.236372 mg/L	
2 Al 396.140	484570.4	456563.2	66.6089 mg/L	66.6089 mg/L	
2 As 188.979	251.1	236.6	1.47321 mg/L	1.47321 mg/L	
2 B 249.773	5975.1	5629.8	0.269337 mg/L	0.269337 mg/L	
2 Ba 455.403	739408.1	696671.8	1.21017 mg/L	1.21017 mg/L	
2 Be 234.861	3987.7	3757.2	0.0305960 mg/L	0.0305960 mg/L	
2 Ca 315.887	790575.1	744881.5	81.3416 mg/L	81.3416 mg/L	
2 Cd 214.438	1764.7	1662.7	0.254319 mg/L	0.254319 mg/L	
2 Ce 413.765	918.9	865.8	0.166411 mg/L	0.166411 mg/L	
2 Co 228.616	1104.2	1040.4	0.302981 mg/L	0.302981 mg/L	
2 Cr 205.560	460.6	434.0	0.359798 mg/L	0.359798 mg/L	
2 Cu 327.394	7509.7	7075.7	0.533206 mg/L	0.533206 mg/L	
2 Fe 238.204	1047319.8	986786.9	120.802 mg/L	120.802 mg/L	
2 K 766.514	56548.2	53279.8	17.0474 mg/L	17.0474 mg/L	
2 Li 670.781	52438.1	49407.3	0.332251 mg/L	0.332251 mg/L	
2 Mg 279.074	56997.1	53702.8	46.8508 mg/L	46.8508 mg/L	
2 Mn 257.610	446241.6	420449.7	6.17614 mg/L	6.17614 mg/L	
2 Mo 202.031	159.7	150.5	0.235838 mg/L	0.235838 mg/L	
2 Na 589.594	192734.8	181595.2	13.0665 mg/L	13.0665 mg/L	
2 Ni 231.603	748.6	705.4	0.400826 mg/L	0.400826 mg/L	
2 Pb 220.353	244.5	230.4	0.931152 mg/L	0.931152 mg/L	
2 Sb 206.831	111.1	104.7	0.652291 mg/L	0.652291 mg/L	
2 Se 196.026	226.6	213.5	1.13004 mg/L	1.13004 mg/L	
2 Si 251.611	36366.3	34264.4	4.87745 mg/L	4.87745 mg/L	
2 Sn 189.933	105.4	99.4	1.10224 mg/L	1.10224 mg/L	
2 Sr 407.771	802254.0	755885.4	0.585954 mg/L	0.585954 mg/L	
2 Ti 334.941	207201.1	195225.3	2.30254 mg/L	2.30254 mg/L	
2 Tl 190.800	183.1	172.6	1.14431 mg/L	1.14431 mg/L	
2 V 292.402	5779.3	5445.2	0.390901 mg/L	0.390901 mg/L	
2 Zn 206.200	1808.5	1704.0	0.840321 mg/L	0.840321 mg/L	

Mean Data

ID: 1000389-MSD1 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: 1/21/10 11:17:59 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	414333.0	106.2	0.16	mg/L				0.15%
Y 360.064	255228.3	107.9	0.28	mg/L				0.26%
Ag 328.068	5512.7	0.238143	0.0025049	mg/L	0.238143	0.0025049	mg/L	1.05%
Al 396.140	456851.5	66.6510	0.05950	mg/L	66.6510	0.05950	mg/L	0.09%
As 188.979	233.3	1.45241	0.029410	mg/L	1.45241	0.029410	mg/L	2.02%
B 249.773	5599.4	0.266103	0.0045727	mg/L	0.266103	0.0045727	mg/L	1.72%
Ba 455.403	696889.6	1.21055	0.000542	mg/L	1.21055	0.000542	mg/L	0.04%
Be 234.861	3741.1	0.0303987	0.00027901	mg/L	0.0303987	0.00027901	mg/L	0.92%
Ca 315.887	744898.5	81.3434	0.00268	mg/L	81.3434	0.00268	mg/L	0.00%

Cd 214.438	1659.6	0.253800	0.0007340	mg/L	0.253800	0.0007340 mg/L	0.29%
Ce 413.765	881.6	0.169033	0.0037085	mg/L	0.169033	0.0037085 mg/L	2.19%
Co 228.616	1036.9	0.301833	0.0016247	mg/L	0.301833	0.0016247 mg/L	0.54%
Cr 205.560	432.4	0.358263	0.0021716	mg/L	0.358263	0.0021716 mg/L	0.61%
Cu 327.394	7105.0	0.535422	0.0031332	mg/L	0.535422	0.0031332 mg/L	0.59%
Fe 238.204	986581.5	120.777	0.0356	mg/L	120.777	0.0356 mg/L	0.03%
K 766.514	53370.5	17.0776	0.04277	mg/L	17.0776	0.04277 mg/L	0.25%
Li 670.781	49497.4	0.332865	0.0008679	mg/L	0.332865	0.0008679 mg/L	0.26%
Mg 279.074	53915.6	47.0368	0.26316	mg/L	47.0368	0.26316 mg/L	0.56%
Mn 257.610	420584.0	6.17812	0.002789	mg/L	6.17812	0.002789 mg/L	0.05%
Mo 202.031	148.3	0.232304	0.0049977	mg/L	0.232304	0.0049977 mg/L	2.15%
Na 589.594	181824.1	13.0833	0.02369	mg/L	13.0833	0.02369 mg/L	0.18%
Ni 231.603	703.4	0.399614	0.0017128	mg/L	0.399614	0.0017128 mg/L	0.43%
Pb 220.353	227.9	0.921095	0.0142233	mg/L	0.921095	0.0142233 mg/L	1.54%
Sb 206.831	98.7	0.618964	0.0471314	mg/L	0.618964	0.0471314 mg/L	7.61%
Se 196.026	212.8	1.12427	0.008170	mg/L	1.12427	0.008170 mg/L	0.73%
Si 251.611	34676.1	4.95686	0.112300	mg/L	4.95686	0.112300 mg/L	2.27%
Sn 189.933	96.4	1.07033	0.045124	mg/L	1.07033	0.045124 mg/L	4.22%
Sr 407.771	756425.0	0.586374	0.0005943	mg/L	0.586374	0.0005943 mg/L	0.10%
Ti 334.941	195536.8	2.30625	0.005247	mg/L	2.30625	0.005247 mg/L	0.23%
Tl 190.800	178.1	1.18097	0.051839	mg/L	1.18097	0.051839 mg/L	4.39%
V 292.402	5450.2	0.391260	0.0005071	mg/L	0.391260	0.0005071 mg/L	0.13%
Zn 206.200	1695.9	0.836329	0.0056452	mg/L	0.836329	0.0056452 mg/L	0.67%

Replicate Data

ID: 0A21015-SRD1 Date: 1/21/10 11:21:20 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	398161.0	398161.0	102.1	mg/L		
1	Y 360.064	242620.8	242620.8	102.5	mg/L		
1	Ag 328.068	-31.5	-30.8	-0.0020333	mg/L	-0.0101664	mg/L
1	Al 396.140	79602.2	77967.2	11.3499	mg/L	56.7493	mg/L
1	As 188.979	2.6	2.6	0.0054683	mg/L	0.0273414	mg/L
1	B 249.773	822.8	805.9	0.0093500	mg/L	0.0467501	mg/L
1	Ba 455.403	113597.3	111264.0	0.179322	mg/L	0.896612	mg/L
1	Be 234.861	416.5	408.0	0.0009567	mg/L	0.0047834	mg/L
1	Ca 315.887	154510.8	151337.2	16.5223	mg/L	82.6115	mg/L
1	Cd 214.438	68.4	67.0	0.0014262	mg/L	0.0071310	mg/L
1	Ce 413.765	44.6	43.7	0.0305662	mg/L	0.152831	mg/L
1	Co 228.616	38.5	37.7	0.0143931	mg/L	0.0719657	mg/L
1	Cr 205.560	73.9	72.4	0.0237541	mg/L	0.118771	mg/L
1	Cu 327.394	759.7	744.1	0.0552383	mg/L	0.276192	mg/L
1	Fe 238.204	195399.2	191385.7	23.4176	mg/L	117.088	mg/L
1	K 766.514	4375.2	4285.3	0.679143	mg/L	3.39572	mg/L
1	Li 670.781	2474.4	2423.6	0.0122312	mg/L	0.0611558	mg/L
1	Mg 279.074	6559.4	6424.6	5.57476	mg/L	27.8738	mg/L
1	Mn 257.610	76958.7	75378.0	1.10767	mg/L	5.53835	mg/L
1	Mo 202.031	6.5	6.4	0.0025134	mg/L	0.0125672	mg/L
1	Na 589.594	4767.2	4669.2	0.120206	mg/L	0.601030	mg/L
1	Ni 231.603	110.3	108.1	0.0244651	mg/L	0.122326	mg/L
1	Pb 220.353	16.1	15.7	0.0576493	mg/L	0.288246	mg/L
1	Sb 206.831	3.6	3.5	-0.0157104	mg/L	-0.0785518	mg/L
1	Se 196.026	69.7	68.2	-0.0517218	mg/L	-0.258609	mg/L
1	Si 251.611	10391.9	10178.4	0.464181	mg/L	2.32091	mg/L
1	Sn 189.933	-5.8	-5.6	-0.0229694	mg/L	-0.114847	mg/L
1	Sr 407.771	78972.6	77350.5	0.0575577	mg/L	0.287788	mg/L
1	Ti 334.941	40267.8	39440.7	0.447179	mg/L	2.23590	mg/L
1	Tl 190.800	8.7	8.5	-0.0441520	mg/L	-0.220760	mg/L
1	V 292.402	143.5	140.6	0.0303285	mg/L	0.151642	mg/L
1	Zn 206.200	220.1	215.6	0.104504	mg/L	0.522522	mg/L
2	Sc 357.253	399662.1	399662.1	102.5	mg/L		
2	Y 360.064	243722.6	243722.6	103.0	mg/L		
2	Ag 328.068	15.6	15.2	-0.0000372	mg/L	-0.0001860	mg/L
2	Al 396.140	80258.7	78314.9	11.4006	mg/L	57.0030	mg/L
2	As 188.979	15.9	15.5	0.0867219	mg/L	0.433610	mg/L
2	B 249.773	823.8	803.9	0.0086611	mg/L	0.0433053	mg/L
2	Ba 455.403	114601.1	111825.6	0.180311	mg/L	0.901556	mg/L
2	Be 234.861	421.5	411.3	0.0009767	mg/L	0.0048836	mg/L
2	Ca 315.887	155855.8	152081.2	16.6036	mg/L	83.0178	mg/L

2 Cd 214.438	61.0	59.6	0.0001772 mg/L	0.0008859 mg/L
2 Ce 413.765	42.5	41.4	0.0301875 mg/L	0.150938 mg/L
2 Co 228.616	43.3	42.3	0.0159143 mg/L	0.0795714 mg/L
2 Cr 205.560	68.2	66.6	0.0180255 mg/L	0.0901274 mg/L
2 Cu 327.394	629.4	614.2	0.0454310 mg/L	0.227155 mg/L
2 Fe 238.204	197599.4	192813.7	23.5924 mg/L	117.962 mg/L
2 K 766.514	4374.7	4268.7	0.673659 mg/L	3.36829 mg/L
2 Li 670.781	2456.5	2397.1	0.0120505 mg/L	0.0602524 mg/L
2 Mg 279.074	6689.5	6527.5	5.66458 mg/L	28.3229 mg/L
2 Mn 257.610	77777.7	75894.0	1.11525 mg/L	5.57625 mg/L
2 Mo 202.031	5.0	4.9	0.0001513 mg/L	0.0007563 mg/L
2 Na 589.594	4835.0	4717.9	0.123781 mg/L	0.618903 mg/L
2 Ni 231.603	110.1	107.4	0.0240470 mg/L	0.120235 mg/L
2 Pb 220.353	14.9	14.6	0.0528642 mg/L	0.264321 mg/L
2 Sb 206.831	6.3	6.1	-0.0012771 mg/L	-0.0063856 mg/L
2 Se 196.026	76.9	75.0	0.0032613 mg/L	0.0163065 mg/L
2 Si 251.611	9848.0	9609.4	0.353240 mg/L	1.76620 mg/L
2 Sn 189.933	-7.6	-7.4	-0.0415928 mg/L	-0.207964 mg/L
2 Sr 407.771	79748.7	77817.2	0.0579211 mg/L	0.289606 mg/L
2 Ti 334.941	40837.2	39848.2	0.452032 mg/L	2.26016 mg/L
2 Tl 190.800	21.6	21.1	0.0388624 mg/L	0.194312 mg/L
2 V 292.402	105.7	103.1	0.0276541 mg/L	0.138270 mg/L
2 Zn 206.200	204.4	199.4	0.0965105 mg/L	0.482552 mg/L

Mean Data

ID: 0A21015-SRD1 Seq. No.: 30 Sample No.: 13 A/S Pos: 29
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 5.0
Data: Original Date: 1/21/10 11:21:20 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	398911.6	102.3	0.27	mg/L				0.27%
Y 360.064	243171.7	102.8	0.33	mg/L				0.32%
Ag 328.068	-7.8	-0.0010352	0.00141143	mg/L	-0.0051762	0.00705716	mg/L	136.34%
Al 396.140	78141.0	11.3752	0.03588	mg/L	56.8761	0.17942	mg/L	0.32%
As 188.979	9.0	0.0460951	0.05745502	mg/L	0.230476	0.2872751	mg/L	124.64%
B 249.773	804.9	0.0090055	0.00048716	mg/L	0.0450277	0.00243580	mg/L	5.41%
Ba 455.403	111544.8	0.179817	0.0006992	mg/L	0.899084	0.0034962	mg/L	0.39%
Be 234.861	409.6	0.0009667	0.00001417	mg/L	0.0048335	0.00007087	mg/L	1.47%
Ca 315.887	151709.2	16.5629	0.05746	mg/L	82.8147	0.28729	mg/L	0.35%
Cd 214.438	63.3	0.0008017	0.00088319	mg/L	0.0040084	0.00441597	mg/L	110.17%
Ce 413.765	42.6	0.0303768	0.00026774	mg/L	0.151884	0.0013387	mg/L	0.88%
Co 228.616	40.0	0.0151537	0.00107561	mg/L	0.0757685	0.00537806	mg/L	7.10%
Cr 205.560	69.5	0.0208898	0.00405078	mg/L	0.104449	0.0202539	mg/L	19.39%
Cu 327.394	679.1	0.0503347	0.00693481	mg/L	0.251673	0.0346741	mg/L	13.78%
Fe 238.204	192099.7	23.5050	0.12363	mg/L	117.525	0.6182	mg/L	0.53%
K 766.514	4277.0	0.676401	0.0038783	mg/L	3.38201	0.019392	mg/L	0.57%
Li 670.781	2410.3	0.0121408	0.00012777	mg/L	0.0607041	0.00063883	mg/L	1.05%
Mg 279.074	6476.1	5.61967	0.063510	mg/L	28.0983	0.31755	mg/L	1.13%
Mn 257.610	75636.0	1.11146	0.005360	mg/L	5.55730	0.026799	mg/L	0.48%
Mo 202.031	5.6	0.0013324	0.00167031	mg/L	0.0066618	0.00835155	mg/L	125.37%
Na 589.594	4693.6	0.121993	0.0025276	mg/L	0.609967	0.0126381	mg/L	2.07%
Ni 231.603	107.7	0.0242561	0.00029565	mg/L	0.121280	0.0014783	mg/L	1.22%
Pb 220.353	15.2	0.0552567	0.00338358	mg/L	0.276284	0.0169179	mg/L	6.12%
Sb 206.831	4.8	-0.0084937	0.01020585	mg/L	-0.0424687	0.05102927	mg/L	120.16%
Se 196.026	71.6	-0.0242302	0.03887892	mg/L	-0.121151	0.1943946	mg/L	160.46%
Si 251.611	9893.9	0.408710	0.0784473	mg/L	2.04355	0.392237	mg/L	19.19%
Sn 189.933	-6.5	-0.0322811	0.01316876	mg/L	-0.161406	0.0658438	mg/L	40.79%
Sr 407.771	77583.9	0.0577394	0.00025703	mg/L	0.288697	0.0012851	mg/L	0.45%
Ti 334.941	39644.4	0.449606	0.0034316	mg/L	2.24803	0.017158	mg/L	0.76%
Tl 190.800	14.8	-0.0026448	0.05870001	mg/L	-0.0132240	0.29350007	mg/L	>999.9%
V 292.402	121.8	0.0289913	0.00189109	mg/L	0.144956	0.0094554	mg/L	6.52%
Zn 206.200	207.5	0.100507	0.0056526	mg/L	0.502537	0.0282631	mg/L	5.62%

Replicate Data

ID: 1000389-PS1 Date: 1/21/10 11:24:48 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	412447.1	412447.1	105.8	mg/L		
1	Y 360.064	253197.0	253197.0	107.0	mg/L		

1	Ag 328.068	5793.6	5478.1	0.236642 mg/L	0.236642 mg/L
1	Al 396.140	424135.4	401034.4	58.5040 mg/L	58.5040 mg/L
1	As 188.979	239.2	226.2	1.40808 mg/L	1.40808 mg/L
1	B 249.773	5949.2	5625.2	0.279281 mg/L	0.279281 mg/L
1	Ba 455.403	701252.3	663057.8	1.15098 mg/L	1.15098 mg/L
1	Be 234.861	3795.2	3588.5	0.0289742 mg/L	0.0289742 mg/L
1	Ca 315.887	925005.0	874623.6	95.5041 mg/L	95.5041 mg/L
1	Cd 214.438	1735.2	1640.7	0.251621 mg/L	0.251621 mg/L
1	Ce 413.765	852.1	805.7	0.156486 mg/L	0.156486 mg/L
1	Co 228.616	1072.8	1014.4	0.295795 mg/L	0.295795 mg/L
1	Cr 205.560	431.9	408.4	0.335352 mg/L	0.335352 mg/L
1	Cu 327.394	6900.3	6524.5	0.501756 mg/L	0.501756 mg/L
1	Fe 238.204	1010262.9	955237.8	116.940 mg/L	116.940 mg/L
1	K 766.514	53938.7	51000.9	16.2862 mg/L	16.2862 mg/L
1	Li 670.781	49847.5	47132.5	0.316757 mg/L	0.316757 mg/L
1	Mg 279.074	49379.2	46689.7	40.7224 mg/L	40.7224 mg/L
1	Mn 257.610	415497.6	392867.1	5.77101 mg/L	5.77101 mg/L
1	Mo 202.031	158.1	149.5	0.234222 mg/L	0.234222 mg/L
1	Na 589.594	192933.2	182424.9	13.1270 mg/L	13.1270 mg/L
1	Ni 231.603	719.7	680.5	0.385189 mg/L	0.385189 mg/L
1	Pb 220.353	164.8	155.9	0.627803 mg/L	0.627803 mg/L
1	Sb 206.831	240.7	227.6	1.32545 mg/L	1.32545 mg/L
1	Se 196.026	231.2	218.6	1.17162 mg/L	1.17162 mg/L
1	Si 251.611	36324.9	34346.4	4.90670 mg/L	4.90670 mg/L
1	Sn 189.933	104.4	98.7	1.09563 mg/L	1.09563 mg/L
1	Sr 407.771	743988.4	703466.3	0.545133 mg/L	0.545133 mg/L
1	Ti 334.941	224448.4	212223.5	2.50499 mg/L	2.50499 mg/L
1	Tl 190.800	204.9	193.7	1.18046 mg/L	1.18046 mg/L
1	V 292.402	5530.1	5228.9	0.376043 mg/L	0.376043 mg/L
1	Zn 206.200	1599.6	1512.4	0.745623 mg/L	0.745623 mg/L
2	Sc 357.253	415769.1	415769.1	106.6 mg/L	
2	Y 360.064	255461.9	255461.9	108.0 mg/L	
2	Ag 328.068	5858.2	5494.9	0.237372 mg/L	0.237372 mg/L
2	Al 396.140	424083.8	397781.7	58.0293 mg/L	58.0293 mg/L
2	As 188.979	240.4	225.5	1.40381 mg/L	1.40381 mg/L
2	B 249.773	5955.1	5585.8	0.277028 mg/L	0.277028 mg/L
2	Ba 455.403	701492.7	657985.4	1.14205 mg/L	1.14205 mg/L
2	Be 234.861	3815.2	3578.6	0.0289439 mg/L	0.0289439 mg/L
2	Ca 315.887	926379.2	868924.3	94.8817 mg/L	94.8817 mg/L
2	Cd 214.438	1738.7	1630.9	0.255066 mg/L	0.255066 mg/L
2	Ce 413.765	783.9	735.3	0.144847 mg/L	0.144847 mg/L
2	Co 228.616	1101.3	1033.0	0.302321 mg/L	0.302321 mg/L
2	Cr 205.560	429.9	403.2	0.330449 mg/L	0.330449 mg/L
2	Cu 327.394	6857.9	6432.6	0.494752 mg/L	0.494752 mg/L
2	Fe 238.204	1011888.4	949130.1	116.192 mg/L	116.192 mg/L
2	K 766.514	53832.9	50494.2	16.1170 mg/L	16.1170 mg/L
2	Li 670.781	49923.5	46827.2	0.314677 mg/L	0.314677 mg/L
2	Mg 279.074	49508.6	46438.0	40.5028 mg/L	40.5028 mg/L
2	Mn 257.610	416201.4	390388.2	5.73459 mg/L	5.73459 mg/L
2	Mo 202.031	166.5	156.2	0.245108 mg/L	0.245108 mg/L
2	Na 589.594	192738.4	180784.6	13.0069 mg/L	13.0069 mg/L
2	Ni 231.603	719.7	675.1	0.381763 mg/L	0.381763 mg/L
2	Pb 220.353	159.5	149.6	0.602365 mg/L	0.602365 mg/L
2	Sb 206.831	222.6	208.8	1.22138 mg/L	1.22138 mg/L
2	Se 196.026	235.2	220.7	1.18827 mg/L	1.18827 mg/L
2	Si 251.611	35760.5	33542.6	4.75179 mg/L	4.75179 mg/L
2	Sn 189.933	106.5	99.9	1.10788 mg/L	1.10788 mg/L
2	Sr 407.771	744092.2	697942.8	0.540832 mg/L	0.540832 mg/L
2	Ti 334.941	224348.0	210433.7	2.48367 mg/L	2.48367 mg/L
2	Tl 190.800	194.8	182.7	1.10733 mg/L	1.10733 mg/L
2	V 292.402	5634.6	5285.1	0.380160 mg/L	0.380160 mg/L
2	Zn 206.200	1597.6	1498.5	0.738747 mg/L	0.738747 mg/L

Mean Data

ID: 1000389-PS1 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: 1/21/10 11:24:48 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Sc 357.253	414108.1	106.2	0.60	mg/L				0.57%

Y 360.064	254329.4	107.5	0.68	mg/L			0.63%
Ag 328.068	5486.5	0.237007	0.0005163	mg/L	0.237007	0.0005163 mg/L	0.22%
Al 396.140	399408.0	58.2667	0.33571	mg/L	58.2667	0.33571 mg/L	0.58%
As 188.979	225.9	1.40595	0.003019	mg/L	1.40595	0.003019 mg/L	0.21%
B 249.773	5605.5	0.278154	0.0015937	mg/L	0.278154	0.0015937 mg/L	0.57%
Ba 455.403	660521.6	1.14651	0.006316	mg/L	1.14651	0.006316 mg/L	0.55%
Be 234.861	3583.5	0.0289590	0.00002139	mg/L	0.0289590	0.00002139 mg/L	0.07%
Ca 315.887	871773.9	95.1929	0.44011	mg/L	95.1929	0.44011 mg/L	0.46%
Cd 214.438	1635.8	0.253343	0.0024366	mg/L	0.253343	0.0024366 mg/L	0.96%
Ce 413.765	770.5	0.150666	0.0082300	mg/L	0.150666	0.0082300 mg/L	5.46%
Co 228.616	1023.7	0.299058	0.0046145	mg/L	0.299058	0.0046145 mg/L	1.54%
Cr 205.560	405.8	0.332901	0.0034673	mg/L	0.332901	0.0034673 mg/L	1.04%
Cu 327.394	6478.5	0.498254	0.0049523	mg/L	0.498254	0.0049523 mg/L	0.99%
Fe 238.204	952183.9	116.566	0.5288	mg/L	116.566	0.5288 mg/L	0.45%
K 766.514	50747.5	16.2016	0.11966	mg/L	16.2016	0.11966 mg/L	0.74%
Li 670.781	46979.8	0.315717	0.0014706	mg/L	0.315717	0.0014706 mg/L	0.47%
Mg 279.074	46563.8	40.6126	0.15528	mg/L	40.6126	0.15528 mg/L	0.38%
Mn 257.610	391627.6	5.75280	0.025746	mg/L	5.75280	0.025746 mg/L	0.45%
Mo 202.031	152.8	0.239665	0.0076978	mg/L	0.239665	0.0076978 mg/L	3.21%
Na 589.594	181604.8	13.0670	0.08487	mg/L	13.0670	0.08487 mg/L	0.65%
Ni 231.603	677.8	0.383476	0.0024222	mg/L	0.383476	0.0024222 mg/L	0.63%
Pb 220.353	152.7	0.615084	0.0179876	mg/L	0.615084	0.0179876 mg/L	2.92%
Sb 206.831	218.2	1.27341	0.073585	mg/L	1.27341	0.073585 mg/L	5.78%
Se 196.026	219.6	1.17995	0.011777	mg/L	1.17995	0.011777 mg/L	1.00%
Si 251.611	33944.5	4.82925	0.109532	mg/L	4.82925	0.109532 mg/L	2.27%
Sn 189.933	99.3	1.10176	0.008663	mg/L	1.10176	0.008663 mg/L	0.79%
Sr 407.771	700704.6	0.542983	0.0030414	mg/L	0.542983	0.0030414 mg/L	0.56%
Ti 334.941	211328.6	2.49433	0.015073	mg/L	2.49433	0.015073 mg/L	0.60%
Tl 190.800	188.2	1.14390	0.051714	mg/L	1.14390	0.051714 mg/L	4.52%
V 292.402	5257.0	0.378102	0.0029115	mg/L	0.378102	0.0029115 mg/L	0.77%
Zn 206.200	1505.5	0.742185	0.0048618	mg/L	0.742185	0.0048618 mg/L	0.66%

Replicate Data

ID: 1001177-12 Date: 1/21/10 11:28:22 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	414202.0	414202.0	106.2	mg/L		
1	Y 360.064	255242.5	255242.5	107.9	mg/L		
1	Ag 328.068	-14.1	-13.3	-0.0012744	mg/L	-0.0012744	mg/L
1	Al 396.140	876236.1	825000.6	120.385	mg/L	120.385	mg/L
1	As 188.979	23.8	22.4	0.130033	mg/L	0.130033	mg/L
1	B 249.773	1438.7	1354.5	0.0346963	mg/L	0.0346963	mg/L
1	Ba 455.403	748589.4	704817.7	1.22451	mg/L	1.22451	mg/L
1	Be 234.861	1138.4	1071.8	0.0076557	mg/L	0.0076557	mg/L
1	Ca 315.887	208269.8	196091.8	21.4182	mg/L	21.4182	mg/L
1	Cd 214.438	164.4	154.8	0.0057836	mg/L	0.0057836	mg/L
1	Ce 413.765	767.1	722.2	0.142690	mg/L	0.142690	mg/L
1	Co 228.616	113.4	106.8	0.0232964	mg/L	0.0232964	mg/L
1	Cr 205.560	270.7	254.8	0.201684	mg/L	0.201684	mg/L
1	Cu 327.394	8612.7	8109.1	0.611221	mg/L	0.611221	mg/L
1	Fe 238.204	312910.6	294614.1	36.0563	mg/L	36.0563	mg/L
1	K 766.514	7044.0	6632.1	1.47140	mg/L	1.47140	mg/L
1	Li 670.781	12516.2	11784.4	0.0759902	mg/L	0.0759902	mg/L
1	Mg 279.074	10791.6	10160.6	8.84258	mg/L	8.84258	mg/L
1	Mn 257.610	14858.1	13989.4	0.205983	mg/L	0.205983	mg/L
1	Mo 202.031	23.7	22.3	0.0283472	mg/L	0.0283472	mg/L
1	Na 589.594	11449.7	10780.2	0.570787	mg/L	0.570787	mg/L
1	Ni 231.603	236.6	222.8	0.0967506	mg/L	0.0967506	mg/L
1	Pb 220.353	39.1	36.8	0.143498	mg/L	0.143498	mg/L
1	Sb 206.831	-0.6	-0.5	-0.0379647	mg/L	-0.0379647	mg/L
1	Se 196.026	75.3	70.9	-0.0297521	mg/L	-0.0297521	mg/L
1	Si 251.611	42413.5	39933.5	6.26569	mg/L	6.26569	mg/L
1	Sn 189.933	-6.1	-5.7	-0.0239211	mg/L	-0.0239211	mg/L
1	Sr 407.771	409905.2	385937.1	0.297864	mg/L	0.297864	mg/L
1	Ti 334.941	114554.1	107855.9	1.26199	mg/L	1.26199	mg/L
1	Tl 190.800	13.0	12.3	-0.0195812	mg/L	-0.0195812	mg/L
1	V 292.402	2691.5	2534.2	0.201022	mg/L	0.201022	mg/L
1	Zn 206.200	5164.5	4862.5	2.40177	mg/L	2.40177	mg/L
2	Sc 357.253	417220.4	417220.4	107.0	mg/L		

2 Y 360.064	257049.9	257049.9	108.6 mg/L		
2 Ag 328.068	17.5	16.4	0.0000117 mg/L	0.0000117 mg/L	
2 Al 396.140	868926.5	812199.7	118.517 mg/L	118.517 mg/L	
2 As 188.979	22.7	21.2	0.122521 mg/L	0.122521 mg/L	
2 B 249.773	1438.4	1344.5	0.0350566 mg/L	0.0350566 mg/L	
2 Ba 455.403	742885.4	694387.1	1.20615 mg/L	1.20615 mg/L	
2 Be 234.861	1104.4	1032.3	0.0072297 mg/L	0.0072297 mg/L	
2 Ca 315.887	206915.3	193407.1	21.1249 mg/L	21.1249 mg/L	
2 Cd 214.438	164.4	153.7	0.0057517 mg/L	0.0057517 mg/L	
2 Ce 413.765	790.9	739.2	0.145501 mg/L	0.145501 mg/L	
2 Co 228.616	94.6	88.4	0.0173474 mg/L	0.0173474 mg/L	
2 Cr 205.560	277.1	259.0	0.205729 mg/L	0.205729 mg/L	
2 Cu 327.394	8445.9	7894.6	0.595025 mg/L	0.595025 mg/L	
2 Fe 238.204	310504.5	290233.6	35.5200 mg/L	35.5200 mg/L	
2 K 766.514	6948.9	6495.2	1.42552 mg/L	1.42552 mg/L	
2 Li 670.781	12467.7	11653.7	0.0751004 mg/L	0.0751004 mg/L	
2 Mg 279.074	10761.9	10059.4	8.75431 mg/L	8.75431 mg/L	
2 Mn 257.610	14683.3	13724.8	0.202096 mg/L	0.202096 mg/L	
2 Mo 202.031	27.8	26.0	0.0343643 mg/L	0.0343643 mg/L	
2 Na 589.594	11322.1	10582.9	0.556279 mg/L	0.556279 mg/L	
2 Ni 231.603	240.8	225.0	0.0981719 mg/L	0.0981719 mg/L	
2 Pb 220.353	31.4	29.3	0.112949 mg/L	0.112949 mg/L	
2 Sb 206.831	0.1	0.1	-0.0345207 mg/L	-0.0345207 mg/L	
2 Se 196.026	73.8	69.0	-0.0456404 mg/L	-0.0456404 mg/L	
2 Si 251.611	42202.6	39447.5	6.17093 mg/L	6.17093 mg/L	
2 Sn 189.933	-5.1	-4.7	-0.0133454 mg/L	-0.0133454 mg/L	
2 Sr 407.771	406579.4	380036.4	0.293268 mg/L	0.293268 mg/L	
2 Ti 334.941	114240.4	106782.4	1.24921 mg/L	1.24921 mg/L	
2 Tl 190.800	15.1	14.1	-0.0074372 mg/L	-0.0074372 mg/L	
2 V 292.402	2596.1	2426.6	0.193351 mg/L	0.193351 mg/L	
2 Zn 206.200	5161.4	4824.5	2.38298 mg/L	2.38298 mg/L	

Mean Data

ID: 1001177-12 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: 1/21/10 11:28:22 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	415711.2	106.6	0.55	mg/L				0.51%
Y 360.064	256146.2	108.2	0.54	mg/L				0.50%
Ag 328.068	1.5	-0.0006313	0.00090937	mg/L	-0.0006313	0.00090937	mg/L	144.04%
Al 396.140	818600.2	119.451	1.3212	mg/L	119.451	1.3212	mg/L	1.11%
As 188.979	21.8	0.126277	0.0053111	mg/L	0.126277	0.0053111	mg/L	4.21%
B 249.773	1349.5	0.0348765	0.00025477	mg/L	0.0348765	0.00025477	mg/L	0.73%
Ba 455.403	699602.4	1.21533	0.012988	mg/L	1.21533	0.012988	mg/L	1.07%
Be 234.861	1052.0	0.0074427	0.00030122	mg/L	0.0074427	0.00030122	mg/L	4.05%
Ca 315.887	194749.5	21.2715	0.20740	mg/L	21.2715	0.20740	mg/L	0.97%
Cd 214.438	154.2	0.0057676	0.00002251	mg/L	0.0057676	0.00002251	mg/L	0.39%
Ce 413.765	730.7	0.144096	0.0019882	mg/L	0.144096	0.0019882	mg/L	1.38%
Co 228.616	97.6	0.0203219	0.00420658	mg/L	0.0203219	0.00420658	mg/L	20.70%
Cr 205.560	256.9	0.203706	0.0028604	mg/L	0.203706	0.0028604	mg/L	1.40%
Cu 327.394	8001.8	0.603123	0.0114520	mg/L	0.603123	0.0114520	mg/L	1.90%
Fe 238.204	292423.8	35.7882	0.37924	mg/L	35.7882	0.37924	mg/L	1.06%
K 766.514	6563.7	1.44846	0.032439	mg/L	1.44846	0.032439	mg/L	2.24%
Li 670.781	11719.0	0.0755453	0.00062920	mg/L	0.0755453	0.00062920	mg/L	0.83%
Mg 279.074	10110.0	8.79845	0.062418	mg/L	8.79845	0.062418	mg/L	0.71%
Mn 257.610	13857.1	0.204039	0.0027482	mg/L	0.204039	0.0027482	mg/L	1.35%
Mo 202.031	24.2	0.0313557	0.00425478	mg/L	0.0313557	0.00425478	mg/L	13.57%
Na 589.594	10681.6	0.563533	0.0102588	mg/L	0.563533	0.0102588	mg/L	1.82%
Ni 231.603	223.9	0.0974613	0.00100500	mg/L	0.0974613	0.00100500	mg/L	1.03%
Pb 220.353	33.1	0.128224	0.0216019	mg/L	0.128224	0.0216019	mg/L	16.85%
Sb 206.831	-0.2	-0.0362427	0.00243527	mg/L	-0.0362427	0.00243527	mg/L	6.72%
Se 196.026	70.0	-0.0376963	0.01123469	mg/L	-0.0376963	0.01123469	mg/L	29.80%
Si 251.611	39690.5	6.21831	0.067008	mg/L	6.21831	0.067008	mg/L	1.08%
Sn 189.933	-5.2	-0.0186333	0.00747818	mg/L	-0.0186333	0.00747818	mg/L	40.13%
Sr 407.771	382986.7	0.295566	0.0032492	mg/L	0.295566	0.0032492	mg/L	1.10%
Ti 334.941	107319.1	1.25560	0.009041	mg/L	1.25560	0.009041	mg/L	0.72%
Tl 190.800	13.2	-0.0135092	0.00858708	mg/L	-0.0135092	0.00858708	mg/L	63.56%
V 292.402	2480.4	0.197187	0.0054242	mg/L	0.197187	0.0054242	mg/L	2.75%
Zn 206.200	4843.5	2.39238	0.013287	mg/L	2.39238	0.013287	mg/L	0.56%

Replicate Data
ID: 1001177-13 Date: 1/21/10 11:31:52 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	406213.8	406213.8	104.2	mg/L		
1	Y 360.064	250395.5	250395.5	105.8	mg/L		
1	Ag 328.068	-18.9	-18.2	-0.0014842	mg/L	-0.0014842	mg/L
1	Al 396.140	461181.2	442753.8	64.5933	mg/L	64.5933	mg/L
1	As 188.979	46.3	44.4	0.268155	mg/L	0.268155	mg/L
1	B 249.773	4420.3	4243.7	0.0523870	mg/L	0.0523870	mg/L
1	Ba 455.403	885312.7	849938.3	1.48006	mg/L	1.48006	mg/L
1	Be 234.861	2434.8	2337.5	0.0098817	mg/L	0.0098817	mg/L
1	Ca 315.887	1519187.0	1458485.0	159.251	mg/L	159.251	mg/L
1	Cd 214.438	211.0	202.6	0.0077815	mg/L	0.0077815	mg/L
1	Ce 413.765	1077.9	1034.8	0.194352	mg/L	0.194352	mg/L
1	Co 228.616	390.0	374.5	0.0698189	mg/L	0.0698189	mg/L
1	Cr 205.560	222.6	213.7	0.141549	mg/L	0.141549	mg/L
1	Cu 327.394	11682.3	11215.5	0.862660	mg/L	0.862660	mg/L
1	Fe 238.204	1237450.8	1188006.1	145.439	mg/L	145.439	mg/L
1	K 766.514	15263.0	14653.1	4.17389	mg/L	4.17389	mg/L
1	Li 670.781	16791.1	16120.2	0.105523	mg/L	0.105523	mg/L
1	Mg 279.074	50244.4	48236.8	42.0654	mg/L	42.0654	mg/L
1	Mn 257.610	404080.2	387934.4	5.69855	mg/L	5.69855	mg/L
1	Mo 202.031	-0.8	-0.8	-0.0090574	mg/L	-0.0090574	mg/L
1	Na 589.594	17640.5	16935.6	1.03838	mg/L	1.03838	mg/L
1	Ni 231.603	359.3	345.0	0.163709	mg/L	0.163709	mg/L
1	Pb 220.353	405.9	389.7	1.57939	mg/L	1.57939	mg/L
1	Sb 206.831	-4.0	-3.9	0.0770123	mg/L	0.0770123	mg/L
1	Se 196.026	68.3	65.5	-0.0736392	mg/L	-0.0736392	mg/L
1	Si 251.611	33444.4	32108.0	4.46872	mg/L	4.46872	mg/L
1	Sn 189.933	-18.8	-18.1	-0.156139	mg/L	-0.156139	mg/L
1	Sr 407.771	784172.3	752839.1	0.583581	mg/L	0.583581	mg/L
1	Ti 334.941	214601.2	206026.4	2.43118	mg/L	2.43118	mg/L
1	Tl 190.800	-6.6	-6.4	-0.142642	mg/L	-0.142642	mg/L
1	V 292.402	2631.6	2526.5	0.179138	mg/L	0.179138	mg/L
1	Zn 206.200	2812.6	2700.2	1.33281	mg/L	1.33281	mg/L
2	Sc 357.253	412100.6	412100.6	105.7	mg/L		
2	Y 360.064	254316.1	254316.1	107.5	mg/L		
2	Ag 328.068	-76.1	-72.0	-0.0038161	mg/L	-0.0038161	mg/L
2	Al 396.140	460149.7	435453.0	63.5277	mg/L	63.5277	mg/L
2	As 188.979	39.8	37.6	0.225440	mg/L	0.225440	mg/L
2	B 249.773	4389.2	4153.6	0.0486716	mg/L	0.0486716	mg/L
2	Ba 455.403	882870.2	835485.6	1.45461	mg/L	1.45461	mg/L
2	Be 234.861	2456.8	2325.0	0.0100025	mg/L	0.0100025	mg/L
2	Ca 315.887	1517637.3	1436184.2	156.816	mg/L	156.816	mg/L
2	Cd 214.438	218.6	206.9	0.0087546	mg/L	0.0087546	mg/L
2	Ce 413.765	1000.5	946.8	0.179803	mg/L	0.179803	mg/L
2	Co 228.616	400.2	378.8	0.0721460	mg/L	0.0721460	mg/L
2	Cr 205.560	219.9	208.1	0.136374	mg/L	0.136374	mg/L
2	Cu 327.394	11774.4	11142.5	0.856891	mg/L	0.856891	mg/L
2	Fe 238.204	1236070.7	1169729.6	143.201	mg/L	143.201	mg/L
2	K 766.514	15139.4	14326.8	4.06440	mg/L	4.06440	mg/L
2	Li 670.781	16849.4	15945.0	0.104330	mg/L	0.104330	mg/L
2	Mg 279.074	50294.9	47595.6	41.5061	mg/L	41.5061	mg/L
2	Mn 257.610	403122.6	381486.6	5.60385	mg/L	5.60385	mg/L
2	Mo 202.031	-1.7	-1.7	-0.0104589	mg/L	-0.0104589	mg/L
2	Na 589.594	17714.0	16763.2	1.02542	mg/L	1.02542	mg/L
2	Ni 231.603	359.2	339.9	0.170567	mg/L	0.170567	mg/L
2	Pb 220.353	412.8	390.6	1.58314	mg/L	1.58314	mg/L
2	Sb 206.831	-0.9	-0.9	0.0914692	mg/L	0.0914692	mg/L
2	Se 196.026	68.3	64.6	-0.0811908	mg/L	-0.0811908	mg/L
2	Si 251.611	32894.6	31129.1	4.28178	mg/L	4.28178	mg/L
2	Sn 189.933	-20.4	-19.3	-0.168999	mg/L	-0.168999	mg/L
2	Sr 407.771	782445.2	740450.6	0.573934	mg/L	0.573934	mg/L
2	Ti 334.941	214213.1	202716.1	2.39176	mg/L	2.39176	mg/L
2	Tl 190.800	4.9	4.6	-0.0701761	mg/L	-0.0701761	mg/L
2	V 292.402	2594.8	2455.5	0.174408	mg/L	0.174408	mg/L
2	Zn 206.200	2781.8	2632.5	1.29936	mg/L	1.29936	mg/L

Mean Data

ID: 1001177-13 Seq. No.: 33 Sample No.: 16 A/S Pos: 32
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/21/10 11:31:52 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	409157.2	104.9	1.07	mg/L				1.02%
Y 360.064	252355.8	106.6	1.17	mg/L				1.10%
Ag 328.068	-45.1	-0.0026501	0.00164890	mg/L	-0.0026501	0.00164890	mg/L	62.22%
Al 396.140	439103.4	64.0605	0.75349	mg/L	64.0605	0.75349	mg/L	1.18%
As 188.979	41.0	0.246797	0.0302040	mg/L	0.246797	0.0302040	mg/L	12.24%
B 249.773	4198.6	0.0505293	0.00262718	mg/L	0.0505293	0.00262718	mg/L	5.20%
Ba 455.403	842712.0	1.46733	0.017996	mg/L	1.46733	0.017996	mg/L	1.23%
Be 234.861	2331.2	0.0099421	0.00008537	mg/L	0.0099421	0.00008537	mg/L	0.86%
Ca 315.887	1447334.6	158.034	1.7219	mg/L	158.034	1.7219	mg/L	1.09%
Cd 214.438	204.7	0.0082680	0.00068806	mg/L	0.0082680	0.00068806	mg/L	8.32%
Ce 413.765	990.8	0.187078	0.0102872	mg/L	0.187078	0.0102872	mg/L	5.50%
Co 228.616	376.6	0.0709824	0.00164549	mg/L	0.0709824	0.00164549	mg/L	2.32%
Cr 205.560	210.9	0.138961	0.0036596	mg/L	0.138961	0.0036596	mg/L	2.63%
Cu 327.394	11179.0	0.859775	0.0040788	mg/L	0.859775	0.0040788	mg/L	0.47%
Fe 238.204	1178867.8	144.320	1.5823	mg/L	144.320	1.5823	mg/L	1.10%
K 766.514	14490.0	4.11915	0.077426	mg/L	4.11915	0.077426	mg/L	1.88%
Li 670.781	16032.6	0.104926	0.0008435	mg/L	0.104926	0.0008435	mg/L	0.80%
Mg 279.074	47916.2	41.7857	0.39551	mg/L	41.7857	0.39551	mg/L	0.95%
Mn 257.610	384710.5	5.65120	0.066967	mg/L	5.65120	0.066967	mg/L	1.19%
Mo 202.031	-1.2	-0.0097581	0.00099101	mg/L	-0.0097581	0.00099101	mg/L	10.16%
Na 589.594	16849.4	1.03190	0.009169	mg/L	1.03190	0.009169	mg/L	0.89%
Ni 231.603	342.4	0.167138	0.0048499	mg/L	0.167138	0.0048499	mg/L	2.90%
Pb 220.353	390.2	1.58126	0.002653	mg/L	1.58126	0.002653	mg/L	0.17%
Sb 206.831	-2.4	0.0842408	0.01022261	mg/L	0.0842408	0.01022261	mg/L	12.13%
Se 196.026	65.1	-0.0774150	0.00533973	mg/L	-0.0774150	0.00533973	mg/L	6.90%
Si 251.611	31618.6	4.37525	0.132182	mg/L	4.37525	0.132182	mg/L	3.02%
Sn 189.933	-18.7	-0.162569	0.0090935	mg/L	-0.162569	0.0090935	mg/L	5.59%
Sr 407.771	746644.9	0.578758	0.0068217	mg/L	0.578758	0.0068217	mg/L	1.18%
Ti 334.941	204371.2	2.41147	0.027878	mg/L	2.41147	0.027878	mg/L	1.16%
Tl 190.800	-0.9	-0.106409	0.0512409	mg/L	-0.106409	0.0512409	mg/L	48.15%
V 292.402	2491.0	0.176773	0.0033448	mg/L	0.176773	0.0033448	mg/L	1.89%
Zn 206.200	2666.4	1.31609	0.023656	mg/L	1.31609	0.023656	mg/L	1.80%

Replicate Data

ID: 1001177-14 Date: 1/21/10 11:35:27 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	401229.7	401229.7	102.9	mg/L		
1	Y 360.064	242394.4	242394.4	102.4	mg/L		
1	Ag 328.068	-169.1	-164.4	-0.0078203	mg/L	-0.0078203	mg/L
1	Al 396.140	266729.0	259252.2	37.9831	mg/L	37.9831	mg/L
1	As 188.979	58.1	56.5	0.343539	mg/L	0.343539	mg/L
1	B 249.773	3216.3	3126.2	0.0311456	mg/L	0.0311456	mg/L
1	Ba 455.403	88282.5	85807.8	0.134497	mg/L	0.134497	mg/L
1	Be 234.861	1197.4	1163.9	-0.0001512	mg/L	-0.0001512	mg/L
1	Ca 315.887	12445556.6	12096691.6	1320.70	mg/L	1320.70	mg/L
1	Cd 214.438	245.8	238.9	0.0099252	mg/L	0.0099252	mg/L
1	Ce 413.765	681.3	662.2	0.132777	mg/L	0.132777	mg/L
1	Co 228.616	316.1	307.2	0.0454450	mg/L	0.0454450	mg/L
1	Cr 205.560	158.0	153.6	0.0880314	mg/L	0.0880314	mg/L
1	Cu 327.394	207.6	201.7	0.154801	mg/L	0.154801	mg/L
1	Fe 238.204	911510.6	885959.8	108.458	mg/L	108.458	mg/L
1	K 766.514	16410.4	15950.4	4.65612	mg/L	4.65612	mg/L
1	Li 670.781	10709.4	10409.2	0.0666233	mg/L	0.0666233	mg/L
1	Mg 279.074	425408.6	413483.9	361.683	mg/L	361.683	mg/L
1	Mn 257.610	336131.6	326709.4	4.79927	mg/L	4.79927	mg/L
1	Mo 202.031	-27.2	-26.4	-0.0505743	mg/L	-0.0505743	mg/L
1	Na 589.594	23542.4	22882.5	1.54678	mg/L	1.54678	mg/L
1	Ni 231.603	316.1	307.3	0.165130	mg/L	0.165130	mg/L
1	Pb 220.353	-7.3	-7.1	-0.0352071	mg/L	-0.0352071	mg/L
1	Sb 206.831	-34.0	-33.1	-0.0675570	mg/L	-0.0675570	mg/L
1	Se 196.026	29.6	28.8	-0.264519	mg/L	-0.264519	mg/L
1	Si 251.611	31532.8	30648.9	3.00472	mg/L	3.00472	mg/L

1 Sn 189.933	-127.0	-123.4	-1.28513 mg/L	-1.28513 mg/L	
1 Sr 407.771	1080084.3	1049808.2	0.814840 mg/L	0.814840 mg/L	
1 Ti 334.941	198078.5	192526.1	2.27040 mg/L	2.27040 mg/L	
1 Tl 190.800	6.1	6.0	-0.0612392 mg/L	-0.0612392 mg/L	
1 V 292.402	2430.3	2362.2	0.172848 mg/L	0.172848 mg/L	
1 Zn 206.200	413.4	401.8	0.196565 mg/L	0.196565 mg/L	
2 Sc 357.253	400826.5	400826.5	102.8 mg/L		
2 Y 360.064	241836.7	241836.7	102.2 mg/L		
2 Ag 328.068	-185.6	-180.6	-0.0085217 mg/L	-0.0085217 mg/L	
2 Al 396.140	265422.6	258242.0	37.8353 mg/L	37.8353 mg/L	
2 As 188.979	54.6	53.1	0.322400 mg/L	0.322400 mg/L	
2 B 249.773	3221.3	3134.1	0.0328872 mg/L	0.0328872 mg/L	
2 Ba 455.403	87927.2	85548.4	0.134040 mg/L	0.134040 mg/L	
2 Be 234.861	1233.5	1200.1	0.0003402 mg/L	0.0003402 mg/L	
2 Ca 315.887	12408984.0	12073275.2	1318.14 mg/L	1318.14 mg/L	
2 Cd 214.438	241.3	234.8	0.0093116 mg/L	0.0093116 mg/L	
2 Ce 413.765	800.7	779.0	0.152077 mg/L	0.152077 mg/L	
2 Co 228.616	300.3	292.1	0.0405907 mg/L	0.0405907 mg/L	
2 Cr 205.560	172.5	167.9	0.101990 mg/L	0.101990 mg/L	
2 Cu 327.394	203.4	197.9	0.154243 mg/L	0.154243 mg/L	
2 Fe 238.204	907856.8	883295.9	108.132 mg/L	108.132 mg/L	
2 K 766.514	16187.7	15749.7	4.58893 mg/L	4.58893 mg/L	
2 Li 670.781	10716.2	10426.3	0.0667402 mg/L	0.0667402 mg/L	
2 Mg 279.074	422889.9	411449.2	359.903 mg/L	359.903 mg/L	
2 Mn 257.610	334622.5	325569.7	4.78253 mg/L	4.78253 mg/L	
2 Mo 202.031	-22.0	-21.4	-0.0423826 mg/L	-0.0423826 mg/L	
2 Na 589.594	23468.5	22833.5	1.54293 mg/L	1.54293 mg/L	
2 Ni 231.603	304.0	295.8	0.157826 mg/L	0.157826 mg/L	
2 Pb 220.353	8.0	7.8	0.0253357 mg/L	0.0253357 mg/L	
2 Sb 206.831	-23.6	-23.0	-0.0125596 mg/L	-0.0125596 mg/L	
2 Se 196.026	42.7	41.6	-0.160771 mg/L	-0.160771 mg/L	
2 Si 251.611	30917.5	30081.1	2.90099 mg/L	2.90099 mg/L	
2 Sn 189.933	-125.6	-122.2	-1.27178 mg/L	-1.27178 mg/L	
2 Sr 407.771	1074411.2	1045344.4	0.811364 mg/L	0.811364 mg/L	
2 Ti 334.941	197225.3	191889.6	2.26282 mg/L	2.26282 mg/L	
2 Tl 190.800	9.7	9.4	-0.0383360 mg/L	-0.0383360 mg/L	
2 V 292.402	2289.6	2227.6	0.163301 mg/L	0.163301 mg/L	
2 Zn 206.200	425.5	413.9	0.202567 mg/L	0.202567 mg/L	

Mean Data

ID: 1001177-14 Seq. No.: 34 Sample No.: 17 A/S Pos: 33
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/21/10 11:35:27 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	401028.1	102.8	0.07	mg/L				0.07%
Y 360.064	242115.5	102.3	0.17	mg/L				0.16%
Ag 328.068	-172.5	-0.0081710	0.00049596	mg/L	-0.0081710	0.00049596	mg/L	6.07%
Al 396.140	258747.1	37.9092	0.10450	mg/L	37.9092	0.10450	mg/L	0.28%
As 188.979	54.8	0.332969	0.0149477	mg/L	0.332969	0.0149477	mg/L	4.49%
B 249.773	3130.1	0.0320164	0.00123153	mg/L	0.0320164	0.00123153	mg/L	3.85%
Ba 455.403	85678.1	0.134268	0.0003230	mg/L	0.134268	0.0003230	mg/L	0.24%
Be 234.861	1182.0	0.0000945	0.00034744	mg/L	0.0000945	0.00034744	mg/L	367.67%
Ca 315.887	12084983.4	1319.42	1.808	mg/L	1319.42	1.808	mg/L	0.14%
Cd 214.438	236.9	0.0096184	0.00043394	mg/L	0.0096184	0.00043394	mg/L	4.51%
Ce 413.765	720.6	0.142427	0.0136472	mg/L	0.142427	0.0136472	mg/L	9.58%
Co 228.616	299.7	0.0430179	0.00343251	mg/L	0.0430179	0.00343251	mg/L	7.98%
Cr 205.560	160.7	0.0950106	0.00987005	mg/L	0.0950106	0.00987005	mg/L	10.39%
Cu 327.394	199.8	0.154522	0.0003952	mg/L	0.154522	0.0003952	mg/L	0.26%
Fe 238.204	884627.8	108.295	0.2306	mg/L	108.295	0.2306	mg/L	0.21%
K 766.514	15850.1	4.62253	0.047510	mg/L	4.62253	0.047510	mg/L	1.03%
Li 670.781	10417.7	0.0666817	0.00008265	mg/L	0.0666817	0.00008265	mg/L	0.12%
Mg 279.074	412466.5	360.793	1.2584	mg/L	360.793	1.2584	mg/L	0.35%
Mn 257.610	326139.5	4.79090	0.011837	mg/L	4.79090	0.011837	mg/L	0.25%
Mo 202.031	-23.9	-0.0464784	0.00579246	mg/L	-0.0464784	0.00579246	mg/L	12.46%
Na 589.594	22858.0	1.54486	0.002725	mg/L	1.54486	0.002725	mg/L	0.18%
Ni 231.603	301.5	0.161478	0.0051646	mg/L	0.161478	0.0051646	mg/L	3.20%
Pb 220.353	0.4	-0.0049357	0.04281024	mg/L	-0.0049357	0.04281024	mg/L	867.35%
Sb 206.831	-28.0	-0.0400583	0.03888904	mg/L	-0.0400583	0.03888904	mg/L	97.08%
Se 196.026	35.2	-0.212645	0.0733604	mg/L	-0.212645	0.0733604	mg/L	34.50%

Si 251.611	30365.0	2.95286	0.073353	mg/L	2.95286	0.073353 mg/L	2.48%
Sn 189.933	-122.8	-1.27845	0.009442	mg/L	-1.27845	0.009442 mg/L	0.74%
Sr 407.771	1047576.3	0.813102	0.0024579	mg/L	0.813102	0.0024579 mg/L	0.30%
Ti 334.941	192207.9	2.26661	0.005361	mg/L	2.26661	0.005361 mg/L	0.24%
Tl 190.800	7.7	-0.0497876	0.01619499	mg/L	-0.0497876	0.01619499 mg/L	32.53%
V 292.402	2294.9	0.168075	0.0067505	mg/L	0.168075	0.0067505 mg/L	4.02%
Zn 206.200	407.9	0.199566	0.0042442	mg/L	0.199566	0.0042442 mg/L	2.13%

Replicate Data

ID: 1001177-15 Date: 1/21/10 11:39:09 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	402146.4	402146.4	103.1	mg/L		
1	Y 360.064	242790.3	242790.3	102.6	mg/L		
1	Ag 328.068	-109.0	-105.7	-0.0052763	mg/L	-0.0052763	mg/L
1	Al 396.140	229771.6	222821.7	32.6093	mg/L	32.6093	mg/L
1	As 188.979	53.9	52.3	0.317470	mg/L	0.317470	mg/L
1	B 249.773	4582.1	4443.5	0.0309511	mg/L	0.0309511	mg/L
1	Ba 455.403	99404.0	96397.3	0.153144	mg/L	0.153144	mg/L
1	Be 234.861	1762.6	1709.3	0.0000915	mg/L	0.0000915	mg/L
1	Ca 315.887	8410246.1	8155862.1	890.464	mg/L	890.464	mg/L
1	Cd 214.438	265.6	257.5	0.0107043	mg/L	0.0107043	mg/L
1	Ce 413.765	886.1	859.3	0.165342	mg/L	0.165342	mg/L
1	Co 228.616	335.1	324.9	0.0325866	mg/L	0.0325866	mg/L
1	Cr 205.560	166.4	161.4	0.0883476	mg/L	0.0883476	mg/L
1	Cu 327.394	527.7	511.7	0.132429	mg/L	0.132429	mg/L
1	Fe 238.204	1359390.1	1318272.8	161.388	mg/L	161.388	mg/L
1	K 766.514	17605.2	17072.7	5.02419	mg/L	5.02419	mg/L
1	Li 670.781	9976.3	9674.6	0.0616198	mg/L	0.0616198	mg/L
1	Mg 279.074	370827.8	359611.4	314.477	mg/L	314.477	mg/L
1	Mn 257.610	361512.0	350577.4	5.14985	mg/L	5.14985	mg/L
1	Mo 202.031	-8.1	-7.9	-0.0204962	mg/L	-0.0204962	mg/L
1	Na 589.594	15799.8	15321.9	0.973965	mg/L	0.973965	mg/L
1	Ni 231.603	303.0	293.8	0.143546	mg/L	0.143546	mg/L
1	Pb 220.353	-4.4	-4.2	-0.0236794	mg/L	-0.0236794	mg/L
1	Sb 206.831	-25.1	-24.3	-0.0209781	mg/L	-0.0209781	mg/L
1	Se 196.026	31.7	30.7	-0.356927	mg/L	-0.356927	mg/L
1	Si 251.611	30836.5	29903.7	3.14149	mg/L	3.14149	mg/L
1	Sn 189.933	-113.1	-109.7	-1.13783	mg/L	-1.13783	mg/L
1	Sr 407.771	514704.4	499136.1	0.386015	mg/L	0.386015	mg/L
1	Ti 334.941	148924.4	144419.9	1.69746	mg/L	1.69746	mg/L
1	Tl 190.800	1.2	1.1	-0.0931462	mg/L	-0.0931462	mg/L
1	V 292.402	1910.1	1852.3	0.128723	mg/L	0.128723	mg/L
1	Zn 206.200	619.7	601.0	0.295035	mg/L	0.295035	mg/L
2	Sc 357.253	402312.0	402312.0	103.2	mg/L		
2	Y 360.064	243059.6	243059.6	102.7	mg/L		
2	Ag 328.068	-45.4	-44.1	-0.0026061	mg/L	-0.0026061	mg/L
2	Al 396.140	229277.6	222251.2	32.5260	mg/L	32.5260	mg/L
2	As 188.979	58.2	56.4	0.343037	mg/L	0.343037	mg/L
2	B 249.773	4651.1	4508.6	0.0385720	mg/L	0.0385720	mg/L
2	Ba 455.403	99166.4	96127.3	0.152668	mg/L	0.152668	mg/L
2	Be 234.861	1734.6	1681.4	-0.0002297	mg/L	-0.0002297	mg/L
2	Ca 315.887	8405977.8	8148367.3	889.645	mg/L	889.645	mg/L
2	Cd 214.438	267.7	259.5	0.0110708	mg/L	0.0110708	mg/L
2	Ce 413.765	855.9	829.7	0.160444	mg/L	0.160444	mg/L
2	Co 228.616	340.9	330.4	0.0345457	mg/L	0.0345457	mg/L
2	Cr 205.560	162.4	157.4	0.0845076	mg/L	0.0845076	mg/L
2	Cu 327.394	491.3	476.2	0.129664	mg/L	0.129664	mg/L
2	Fe 238.204	1358198.2	1316574.7	161.180	mg/L	161.180	mg/L
2	K 766.514	17459.5	16924.4	4.97461	mg/L	4.97461	mg/L
2	Li 670.781	10089.6	9780.4	0.0623408	mg/L	0.0623408	mg/L
2	Mg 279.074	369946.9	358609.5	313.601	mg/L	313.601	mg/L
2	Mn 257.610	360659.6	349606.8	5.13559	mg/L	5.13559	mg/L
2	Mo 202.031	-10.9	-10.6	-0.0249062	mg/L	-0.0249062	mg/L
2	Na 589.594	15825.1	15340.2	0.975179	mg/L	0.975179	mg/L
2	Ni 231.603	316.6	306.9	0.151768	mg/L	0.151768	mg/L
2	Pb 220.353	-5.9	-5.7	-0.0296748	mg/L	-0.0296748	mg/L
2	Sb 206.831	-33.8	-32.8	-0.0677580	mg/L	-0.0677580	mg/L
2	Se 196.026	50.2	48.7	-0.211060	mg/L	-0.211060	mg/L

2 Si 251.611	30342.1	29412.3	3.04892 mg/L	3.04892 mg/L	
2 Sn 189.933	-110.0	-106.6	-1.10485 mg/L	-1.10485 mg/L	
2 Sr 407.771	513458.1	497722.6	0.384914 mg/L	0.384914 mg/L	
2 Ti 334.941	148421.5	143873.0	1.69095 mg/L	1.69095 mg/L	
2 Tl 190.800	0.9	0.8	-0.0950564 mg/L	-0.0950564 mg/L	
2 V 292.402	1893.2	1835.2	0.127532 mg/L	0.127532 mg/L	
2 Zn 206.200	614.5	595.7	0.292407 mg/L	0.292407 mg/L	

Mean Data

ID: 1001177-15 Seq. No.: 35 Sample No.: 18 A/S Pos: 34
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/21/10 11:39:09 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	402229.2	103.1	0.03	mg/L				0.03%
Y 360.064	242924.9	102.7	0.08	mg/L				0.08%
Ag 328.068	-74.9	-0.0039412	0.00188813	mg/L	-0.0039412	0.00188813	mg/L	47.91%
Al 396.140	222536.5	32.5677	0.05896	mg/L	32.5677	0.05896	mg/L	0.18%
As 188.979	54.3	0.330253	0.0180780	mg/L	0.330253	0.0180780	mg/L	5.47%
B 249.773	4476.1	0.0347615	0.00538880	mg/L	0.0347615	0.00538880	mg/L	15.50%
Ba 455.403	96262.3	0.152906	0.0003362	mg/L	0.152906	0.0003362	mg/L	0.22%
Be 234.861	1695.3	-0.0000691	0.00022710	mg/L	-0.0000691	0.00022710	mg/L	328.72%
Ca 315.887	8152114.7	890.054	0.5787	mg/L	890.054	0.5787	mg/L	0.07%
Cd 214.438	258.5	0.0108876	0.00025913	mg/L	0.0108876	0.00025913	mg/L	2.38%
Ce 413.765	844.5	0.162893	0.0034630	mg/L	0.162893	0.0034630	mg/L	2.13%
Co 228.616	327.7	0.0335661	0.00138526	mg/L	0.0335661	0.00138526	mg/L	4.13%
Cr 205.560	159.4	0.0864276	0.00271533	mg/L	0.0864276	0.00271533	mg/L	3.14%
Cu 327.394	494.0	0.131046	0.0019549	mg/L	0.131046	0.0019549	mg/L	1.49%
Fe 238.204	1317423.7	161.284	0.1470	mg/L	161.284	0.1470	mg/L	0.09%
K 766.514	16998.6	4.99940	0.035059	mg/L	4.99940	0.035059	mg/L	0.70%
Li 670.781	9727.5	0.0619803	0.00050982	mg/L	0.0619803	0.00050982	mg/L	0.82%
Mg 279.074	359110.4	314.039	0.6195	mg/L	314.039	0.6195	mg/L	0.20%
Mn 257.610	350092.1	5.14272	0.010081	mg/L	5.14272	0.010081	mg/L	0.20%
Mo 202.031	-9.2	-0.0227012	0.00311838	mg/L	-0.0227012	0.00311838	mg/L	13.74%
Na 589.594	15331.0	0.974572	0.0008584	mg/L	0.974572	0.0008584	mg/L	0.09%
Ni 231.603	300.3	0.147657	0.0058137	mg/L	0.147657	0.0058137	mg/L	3.94%
Pb 220.353	-5.0	-0.0266771	0.00423938	mg/L	-0.0266771	0.00423938	mg/L	15.89%
Sb 206.831	-28.5	-0.0443681	0.03307836	mg/L	-0.0443681	0.03307836	mg/L	74.55%
Se 196.026	39.7	-0.283993	0.1031435	mg/L	-0.283993	0.1031435	mg/L	36.32%
Si 251.611	29658.0	3.09520	0.065459	mg/L	3.09520	0.065459	mg/L	2.11%
Sn 189.933	-108.1	-1.12134	0.023325	mg/L	-1.12134	0.023325	mg/L	2.08%
Sr 407.771	498429.4	0.385465	0.0007784	mg/L	0.385465	0.0007784	mg/L	0.20%
Ti 334.941	144146.4	1.69420	0.004606	mg/L	1.69420	0.004606	mg/L	0.27%
Tl 190.800	1.0	-0.0941013	0.00135074	mg/L	-0.0941013	0.00135074	mg/L	1.44%
V 292.402	1843.8	0.128127	0.0008426	mg/L	0.128127	0.0008426	mg/L	0.66%
Zn 206.200	598.3	0.293721	0.0018588	mg/L	0.293721	0.0018588	mg/L	0.63%

Replicate Data

ID: 0A21015-CCV Date: 1/21/10 11:42:41 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	399462.6	399462.6	102.4	mg/L		
1	Y 360.064	242944.0	242944.0	102.7	mg/L		
1	Ag 328.068	11950.8	11667.2	0.504790	mg/L		
1	Al 396.140	17947.9	17521.9	2.52739	mg/L		
1	As 188.979	409.9	400.2	2.49914	mg/L		
1	B 249.773	4744.0	4631.4	0.487601	mg/L		
1	Ba 455.403	300393.9	293265.1	0.499809	mg/L		
1	Be 234.861	4262.8	4161.7	0.0505669	mg/L		
1	Ca 315.887	47055.9	45939.2	5.00960	mg/L		
1	Cd 214.438	3118.9	3044.9	0.500860	mg/L		
1	Ce 413.765	-120.5	-117.7	0.0038942	mg/L		
1	Co 228.616	1530.9	1494.5	0.503138	mg/L		
1	Cr 205.560	583.5	569.7	0.508814	mg/L		
1	Cu 327.394	6846.8	6684.3	0.503665	mg/L		
1	Fe 238.204	4405.0	4300.4	0.511775	mg/L		
1	K 766.514	17709.8	17289.5	5.00998	mg/L		
1	Li 670.781	76037.8	74233.3	0.501348	mg/L		
1	Mg 279.074	5873.1	5733.7	4.98719	mg/L		

1 Mn 257.610	34861.8	34034.5	0.500409	mg/L
1 Mo 202.031	317.0	309.4	0.493210	mg/L
1 Na 589.594	73247.8	71509.5	5.00153	mg/L
1 Ni 231.603	889.5	868.4	0.503581	mg/L
1 Pb 220.353	131.2	128.0	0.514640	mg/L
1 Sb 206.831	465.7	454.7	2.46876	mg/L
1 Se 196.026	393.2	383.8	2.51581	mg/L
1 Si 251.611	24686.5	24100.7	3.17868	mg/L
1 Sn 189.933	236.1	230.5	2.50771	mg/L
1 Sr 407.771	661744.3	646040.0	0.500414	mg/L
1 Ti 334.941	45162.6	44090.8	0.502561	mg/L
1 Tl 190.800	403.0	393.5	2.50122	mg/L
1 V 292.402	6924.0	6759.7	0.502364	mg/L
1 Zn 206.200	1038.2	1013.6	0.499008	mg/L
2 Sc 357.253	397752.1	397752.1	102.0	mg/L
2 Y 360.064	241740.4	241740.4	102.2	mg/L
2 Ag 328.068	11987.8	11753.7	0.508535	mg/L
2 Al 396.140	18081.4	17728.2	2.55750	mg/L
2 As 188.979	411.9	403.9	2.52239	mg/L
2 B 249.773	4836.8	4742.3	0.499634	mg/L
2 Ba 455.403	302767.6	296853.5	0.506128	mg/L
2 Be 234.861	4270.9	4187.5	0.0508881	mg/L
2 Ca 315.887	47527.6	46599.2	5.08164	mg/L
2 Cd 214.438	3155.5	3093.9	0.509079	mg/L
2 Ce 413.765	-242.6	-237.8	-0.0159601	mg/L
2 Co 228.616	1522.3	1492.5	0.502469	mg/L
2 Cr 205.560	578.7	567.4	0.506578	mg/L
2 Cu 327.394	6806.1	6673.2	0.502824	mg/L
2 Fe 238.204	4458.4	4371.3	0.520455	mg/L
2 K 766.514	17652.2	17307.4	5.01595	mg/L
2 Li 670.781	76478.3	74984.4	0.506464	mg/L
2 Mg 279.074	5954.0	5837.7	5.07815	mg/L
2 Mn 257.610	35230.0	34541.8	0.507861	mg/L
2 Mo 202.031	326.3	319.9	0.510212	mg/L
2 Na 589.594	73921.1	72477.2	5.07222	mg/L
2 Ni 231.603	894.4	876.9	0.508906	mg/L
2 Pb 220.353	135.8	133.1	0.535269	mg/L
2 Sb 206.831	475.1	465.8	2.53008	mg/L
2 Se 196.026	400.2	392.4	2.58574	mg/L
2 Si 251.611	26055.6	25546.6	3.46061	mg/L
2 Sn 189.933	234.7	230.1	2.50368	mg/L
2 Sr 407.771	667504.8	654466.2	0.506975	mg/L
2 Ti 334.941	45530.0	44640.7	0.509110	mg/L
2 Tl 190.800	404.9	397.0	2.52444	mg/L
2 V 292.402	6946.1	6810.4	0.505979	mg/L
2 Zn 206.200	1036.4	1016.1	0.500272	mg/L

Mean Data

ID: 0A21015-CCV Seq. No.: 36 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: 1/21/10 11:42:41 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Sc 357.253	398607.4	102.2	0.31	mg/L				0.30%
Y 360.064	242342.2	102.4	0.36	mg/L				0.35%
Ag 328.068	11710.4	0.506663	0.0026482	mg/L				0.52%
Al 396.140	17625.1	2.54244	0.021289	mg/L				0.84%
As 188.979	402.0	2.51076	0.016436	mg/L				0.65%
B 249.773	4686.9	0.493617	0.0085085	mg/L				1.72%
Ba 455.403	295059.3	0.502968	0.0044681	mg/L				0.89%
Be 234.861	4174.6	0.0507275	0.00022708	mg/L				0.45%
Ca 315.887	46269.2	5.04562	0.050935	mg/L				1.01%
Cd 214.438	3069.4	0.504969	0.0058117	mg/L				1.15%
Ce 413.765	-177.7	-0.0060330	0.01403908	mg/L				232.71%
Co 228.616	1493.5	0.502803	0.0004734	mg/L				0.09%
Cr 205.560	568.5	0.507696	0.0015805	mg/L				0.31%
Cu 327.394	6678.8	0.503245	0.0005949	mg/L				0.12%
Fe 238.204	4335.9	0.516115	0.0061377	mg/L				1.19%
K 766.514	17298.4	5.01296	0.004221	mg/L				0.08%
Li 670.781	74608.8	0.503906	0.0036176	mg/L				0.72%

Mg 279.074	5785.7	5.03267	0.064318	mg/L	1.28%
Mn 257.610	34288.2	0.504135	0.0052689	mg/L	1.05%
Mo 202.031	314.7	0.501711	0.0120222	mg/L	2.40%
Na 589.594	71993.3	5.03687	0.049980	mg/L	0.99%
Ni 231.603	872.7	0.506244	0.0037651	mg/L	0.74%
Pb 220.353	130.6	0.524954	0.0145867	mg/L	2.78%
Sb 206.831	460.2	2.49942	0.043358	mg/L	1.73%
Se 196.026	388.1	2.55077	0.049452	mg/L	1.94%
Si 251.611	24823.7	3.31964	0.199351	mg/L	6.01%
*QC exceeds upper limit for Si 251.611			Recovery = 132.79%	Action = Continue	
Sn 189.933	230.3	2.50569	0.002845	mg/L	0.11%
Sr 407.771	650253.1	0.503694	0.0046399	mg/L	0.92%
Ti 334.941	44365.7	0.505835	0.0046310	mg/L	0.92%
Tl 190.800	395.2	2.51283	0.016423	mg/L	0.65%
V 292.402	6785.1	0.504172	0.0025560	mg/L	0.51%
Zn 206.200	1014.9	0.499640	0.0008940	mg/L	0.18%

Replicate Data

ID: 0A21015-CCB Date: 1/21/10 11:45:57 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	392724.2	392724.2	100.7	mg/L		
1	Y 360.064	238762.6	238762.6	100.9	mg/L		
1	Ag 328.068	-45.8	-45.5	-0.0026694	mg/L		
1	Al 396.140	152.3	151.2	-0.0079964	mg/L		
1	As 188.979	0.9	0.9	-0.0049660	mg/L		
1	B 249.773	166.7	165.5	0.0031978	mg/L		
1	Ba 455.403	8444.9	8385.9	-0.0018359	mg/L		
1	Be 234.861	104.6	103.8	0.0000672	mg/L		
1	Ca 315.887	-110.7	-110.0	-0.0155833	mg/L		
1	Cd 214.438	40.4	40.1	-0.0030815	mg/L		
1	Ce 413.765	-255.0	-253.2	-0.0184993	mg/L		
1	Co 228.616	-8.4	-8.4	-0.0010745	mg/L		
1	Cr 205.560	54.8	54.4	0.0061620	mg/L		
1	Cu 327.394	-36.3	-36.1	-0.0036534	mg/L		
1	Fe 238.204	143.9	142.9	0.0027503	mg/L		
1	K 766.514	2268.4	2252.6	-0.0053082	mg/L		
1	Li 670.781	441.2	438.1	-0.0012922	mg/L		
1	Mg 279.074	8.1	8.0	-0.0202599	mg/L		
1	Mn 257.610	-158.6	-157.5	-0.0018093	mg/L		
1	Mo 202.031	8.2	8.2	0.0054352	mg/L		
1	Na 589.594	2842.1	2822.3	-0.0171120	mg/L		
1	Ni 231.603	74.9	74.4	0.0032246	mg/L		
1	Pb 220.353	0.6	0.6	-0.0038893	mg/L		
1	Sb 206.831	9.8	9.7	0.0182929	mg/L		
1	Se 196.026	77.7	77.1	0.0207611	mg/L		
1	Si 251.611	7286.8	7235.9	-0.109541	mg/L		
1	Sn 189.933	-1.4	-1.4	0.0226581	mg/L		
1	Sr 407.771	866.7	860.7	-0.0020073	mg/L		
1	Ti 334.941	1766.8	1754.5	-0.0016565	mg/L		
1	Tl 190.800	13.6	13.5	-0.0111108	mg/L		
1	V 292.402	-242.6	-240.9	0.0031243	mg/L		
1	Zn 206.200	3.4	3.4	-0.0003944	mg/L		
2	Sc 357.253	391749.3	391749.3	100.5	mg/L		
2	Y 360.064	238014.6	238014.6	100.6	mg/L		
2	Ag 328.068	-73.2	-72.9	-0.0038547	mg/L		
2	Al 396.140	32.6	32.4	-0.0253393	mg/L		
2	As 188.979	2.2	2.2	0.0032151	mg/L		
2	B 249.773	138.2	137.6	0.0001634	mg/L		
2	Ba 455.403	8413.0	8375.1	-0.0018550	mg/L		
2	Be 234.861	83.1	82.7	-0.0001959	mg/L		
2	Ca 315.887	-143.1	-142.4	-0.0191246	mg/L		
2	Cd 214.438	36.1	35.9	-0.0037846	mg/L		
2	Ce 413.765	-146.9	-146.2	-0.0008187	mg/L		
2	Co 228.616	-5.5	-5.5	-0.0001128	mg/L		
2	Cr 205.560	46.9	46.7	-0.0013791	mg/L		
2	Cu 327.394	-53.9	-53.7	-0.0049848	mg/L		
2	Fe 238.204	146.3	145.6	0.0030803	mg/L		
2	K 766.514	2118.4	2108.8	-0.0532502	mg/L		

2	Li 670.781	359.4	357.8	-0.0018396 mg/L
2	Mg 279.074	-30.9	-30.8	-0.0541971 mg/L
2	Mn 257.610	-160.2	-159.5	-0.0018377 mg/L
2	Mo 202.031	10.6	10.5	0.0092745 mg/L
2	Na 589.594	2734.6	2722.3	-0.0244204 mg/L
2	Ni 231.603	70.5	70.2	0.0006276 mg/L
2	Pb 220.353	-2.8	-2.8	-0.0178402 mg/L
2	Sb 206.831	6.0	6.0	-0.0022798 mg/L
2	Se 196.026	76.5	76.1	0.0124803 mg/L
2	Si 251.611	6254.2	6226.0	-0.306442 mg/L
2	Sn 189.933	-4.9	-4.9	-0.0147095 mg/L
2	Sr 407.771	882.0	878.0	-0.0019938 mg/L
2	Ti 334.941	1771.9	1764.0	-0.0015438 mg/L
2	Tl 190.800	21.3	21.2	0.0396146 mg/L
2	V 292.402	-316.9	-315.5	-0.0021988 mg/L
2	Zn 206.200	-2.8	-2.8	-0.0034331 mg/L

Mean Data

ID: 0A21015-CCB Seq. No.: 37 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: 1/21/10 11:45:57 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Sc 357.253	392236.7	100.6	0.18	mg/L				0.18%
Y 360.064	238388.6	100.7	0.22	mg/L				0.22%
Ag 328.068	-59.2	-0.0032620	0.00083811	mg/L				25.69%
Al 396.140	91.8	-0.0166679	0.01226325	mg/L				73.57%
As 188.979	1.5	-0.0008754	0.00578492	mg/L				660.83%
B 249.773	151.6	0.0016806	0.00214565	mg/L				127.67%
Ba 455.403	8380.5	-0.0018454	0.00001345	mg/L				0.73%
Be 234.861	93.2	-0.0000644	0.00018608	mg/L				289.08%
Ca 315.887	-126.2	-0.0173539	0.00250408	mg/L				14.43%
Cd 214.438	38.0	-0.0034331	0.00049721	mg/L				14.48%
Ce 413.765	-199.7	-0.0096590	0.01250206	mg/L				129.43%
Co 228.616	-6.9	-0.0005936	0.00068005	mg/L				114.56%
Cr 205.560	50.5	0.0023915	0.00533236	mg/L				222.97%
Cu 327.394	-44.9	-0.0043191	0.00094143	mg/L				21.80%
Fe 238.204	144.3	0.0029153	0.00023340	mg/L				8.01%
K 766.514	2180.7	-0.0292792	0.03390014	mg/L				115.78%
Li 670.781	398.0	-0.0015659	0.00038703	mg/L				24.72%
Mg 279.074	-11.4	-0.0372285	0.02399725	mg/L				64.46%
Mn 257.610	-158.5	-0.0018235	0.00002009	mg/L				1.10%
Mo 202.031	9.3	0.0073549	0.00271484	mg/L				36.91%
Na 589.594	2772.3	-0.0207662	0.00516783	mg/L				24.89%
Ni 231.603	72.3	0.0019261	0.00183636	mg/L				95.34%
Pb 220.353	-1.1	-0.0108647	0.00986484	mg/L				90.80%
Sb 206.831	7.8	0.0080065	0.01454706	mg/L				181.69%
Se 196.026	76.6	0.0166207	0.00585541	mg/L				35.23%
Si 251.611	6731.0	-0.207991	0.1392303	mg/L				66.94%
Sn 189.933	-3.1	0.0039743	0.02642283	mg/L				664.84%
Sr 407.771	869.4	-0.0020005	0.00000955	mg/L				0.48%
Ti 334.941	1759.2	-0.0016002	0.00007974	mg/L				4.98%
Tl 190.800	17.4	0.0142519	0.03586826	mg/L				251.67%
V 292.402	-278.2	0.0004628	0.00376400	mg/L				813.37%
Zn 206.200	0.3	-0.0019138	0.00214863	mg/L				112.27%

Replicate Data

ID: Hg_ReAlign Date: 1/21/10 11:48:11 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Hg 253.652	892458.5	892458.5				

Calibration Summary

Method: SOIL_6010C_101 Date: 1/21/10 11:48:34 AM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
Ag 328.068	4	Linear	16.1	23081.1	0.00000	0.999973

Al 396.140	4	Linear	206.0	6851.3	0.00000	0.999976
As 188.979	4	Linear	1.7	159.5	0.00000	0.999965
B 249.773	3	Linear	136.1	9219.3	0.00000	0.999964
Ba 455.403	4	Linear	9428.5	567890.5	0.00000	0.999989
Be 234.861	4	Linear	98.4	80353.6	0.00000	0.999957
Ca 315.887	4	Linear	32.8	9159.7	0.00000	0.999964
Cd 214.438	4	Linear	58.5	5962.5	0.00000	0.999975
Ce 413.765	1	Linear	-141.2	6051.3	0.00000	1.000000
Co 228.616	4	Linear	-5.2	2980.7	0.00000	0.999976
Cr 205.560	4	Linear	48.1	1025.2	0.00000	0.999852
Cu 327.394	4	Linear	12.3	13246.9	0.00000	0.999949
Fe 238.204	4	Linear	120.5	8167.6	0.00000	0.999978
K 766.514	4	Linear	2268.5	2998.8	0.00000	0.999975
Li 670.781	4	Linear	627.9	146815.0	0.00000	0.999990
Mg 279.074	4	Linear	31.2	1143.4	0.00000	0.999976
Mn 257.610	4	Linear	-34.4	68082.0	0.00000	0.999970
Mo 202.031	3	Linear	4.8	617.6	0.00000	0.999968
Na 589.594	4	Linear	3056.4	13683.4	0.00000	0.999993
Ni 231.603	4	Linear	69.2	1587.0	0.00000	0.999954
Pb 220.353	4	Linear	1.6	245.8	0.00000	0.999766
Sb 206.831	4	Linear	6.4	181.6	0.00000	0.999985
Se 196.026	4	Linear	74.6	122.9	0.00000	0.999953
Si 251.611	4	Linear	7797.7	5128.8	0.00000	0.999994
Sn 189.933	4	Linear	-3.5	93.3	0.00000	0.999973
Sr 407.771	4	Linear	3438.3	1284141.1	0.00000	0.999989
Ti 334.941	3	Linear	1893.6	83964.4	0.00000	0.999995
Tl 190.800	4	Linear	15.2	151.2	0.00000	0.999991
V 292.402	4	Linear	-284.7	14022.6	0.00000	0.999974
Zn 206.200	4	Linear	4.2	2022.8	0.00000	0.999977

Method: SOIL_6010C_101 IEC: IEC-35.IEC MSF:
Results: 0A21015 Spectra Stored: Yes Method Stored: Yes
Sample Info: 0a21015 User: User1 Date: 1/21/10 11:48:34 AM
Method Description: Solid 6010C

Replicate Data
ID: 1001177-05 Date: 1/21/10 11:50:04 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	396750.0	396750.0	101.7	mg/L		
1	Y 360.064	241546.7	241546.7	102.1	mg/L		
1	Ag 328.068	56.6	55.6	0.0017131	mg/L	0.342624	mg/L
1	Al 396.140	2195.2	2157.8	0.284869	mg/L	56.9739	mg/L
1	As 188.979	4.1	4.0	0.0148285	mg/L	2.96569	mg/L
1	B 249.773	142.6	140.2	0.0004487	mg/L	0.0897339	mg/L
1	Ba 455.403	11293.7	11101.1	0.0029452	mg/L	0.589038	mg/L
1	Be 234.861	89.1	87.5	-0.0001354	mg/L	-0.0270866	mg/L
1	Ca 315.887	3674.6	3611.9	0.390752	mg/L	78.1503	mg/L
1	Cd 214.438	51.7	50.8	-0.0012909	mg/L	-0.258181	mg/L
1	Ce 413.765	-89.6	-88.1	0.0087879	mg/L	1.75759	mg/L
1	Co 228.616	-14.4	-14.2	-0.0030264	mg/L	-0.605278	mg/L
1	Cr 205.560	40.1	39.4	-0.0084191	mg/L	-1.68383	mg/L
1	Cu 327.394	-2.9	-2.9	-0.0011487	mg/L	-0.229746	mg/L
1	Fe 238.204	5200.3	5111.6	0.611083	mg/L	122.217	mg/L
1	K 766.514	2200.4	2162.9	-0.0350806	mg/L	-7.01612	mg/L
1	Li 670.781	407.9	400.9	-0.0015459	mg/L	-0.309173	mg/L
1	Mg 279.074	188.1	184.9	0.134478	mg/L	26.8955	mg/L
1	Mn 257.610	1769.1	1738.9	0.0260456	mg/L	5.20912	mg/L
1	Mo 202.031	0.4	0.4	-0.0071258	mg/L	-1.42516	mg/L
1	Na 589.594	2756.0	2709.0	-0.0253919	mg/L	-5.07837	mg/L
1	Ni 231.603	72.4	71.1	0.0012032	mg/L	0.240644	mg/L
1	Pb 220.353	12.5	12.3	0.0435789	mg/L	8.71578	mg/L
1	Sb 206.831	6.6	6.5	0.0005627	mg/L	0.112534	mg/L
1	Se 196.026	76.9	75.6	0.0079458	mg/L	1.58916	mg/L
1	Si 251.611	5739.1	5641.2	-0.420472	mg/L	-84.0944	mg/L
1	Sn 189.933	-4.0	-3.9	-0.0044353	mg/L	-0.887053	mg/L
1	Sr 407.771	2984.7	2933.8	-0.0003929	mg/L	-0.0785777	mg/L
1	Ti 334.941	2672.9	2627.4	0.0087392	mg/L	1.74784	mg/L
1	Tl 190.800	6.1	6.0	-0.0608100	mg/L	-12.1620	mg/L

1 V 292.402	-269.7	-265.1	0.0013934 mg/L	0.278681 mg/L
1 Zn 206.200	11.8	11.6	0.0036440 mg/L	0.728810 mg/L
2 Sc 357.253	393509.9	393509.9	100.9 mg/L	
2 Y 360.064	239375.3	239375.3	101.2 mg/L	
2 Ag 328.068	35.6	35.3	0.0008318 mg/L	0.166370 mg/L
2 Al 396.140	2215.6	2195.7	0.290411 mg/L	58.0823 mg/L
2 As 188.979	-4.8	-4.7	-0.0403141 mg/L	-8.06281 mg/L
2 B 249.773	172.2	170.6	0.0037474 mg/L	0.749488 mg/L
2 Ba 455.403	11257.7	11156.8	0.0030434 mg/L	0.608673 mg/L
2 Be 234.861	101.6	100.7	0.0000281 mg/L	0.0056237 mg/L
2 Ca 315.887	3766.2	3732.5	0.403911 mg/L	80.7823 mg/L
2 Cd 214.438	41.8	41.4	-0.0028671 mg/L	-0.573421 mg/L
2 Ce 413.765	-66.0	-65.4	0.0125341 mg/L	2.50682 mg/L
2 Co 228.616	-11.8	-11.7	-0.0022035 mg/L	-0.440698 mg/L
2 Cr 205.560	50.1	49.7	0.0015802 mg/L	0.316032 mg/L
2 Cu 327.394	-20.4	-20.2	-0.0024604 mg/L	-0.492076 mg/L
2 Fe 238.204	5210.5	5163.8	0.617479 mg/L	123.496 mg/L
2 K 766.514	2140.5	2121.3	-0.0489607 mg/L	-9.79214 mg/L
2 Li 670.781	497.8	493.4	-0.0009161 mg/L	-0.183218 mg/L
2 Mg 279.074	193.1	191.4	0.140147 mg/L	28.0294 mg/L
2 Mn 257.610	1843.0	1826.5	0.0273320 mg/L	5.46640 mg/L
2 Mo 202.031	1.4	1.4	-0.0055352 mg/L	-1.10704 mg/L
2 Na 589.594	3033.1	3005.9	-0.0036926 mg/L	-0.738522 mg/L
2 Ni 231.603	74.7	74.0	0.0030022 mg/L	0.600449 mg/L
2 Pb 220.353	-2.9	-2.9	-0.0182185 mg/L	-3.64369 mg/L
2 Sb 206.831	11.4	11.3	0.0272574 mg/L	5.45149 mg/L
2 Se 196.026	67.9	67.3	-0.0592072 mg/L	-11.8414 mg/L
2 Si 251.611	4874.0	4830.3	-0.578569 mg/L	-115.714 mg/L
2 Sn 189.933	-2.2	-2.2	0.0137770 mg/L	2.75540 mg/L
2 Sr 407.771	2862.8	2837.2	-0.0004681 mg/L	-0.0936262 mg/L
2 Ti 334.941	2785.8	2760.8	0.0103288 mg/L	2.06576 mg/L
2 Tl 190.800	18.8	18.7	0.0227522 mg/L	4.55044 mg/L
2 V 292.402	-252.1	-249.9	0.0024840 mg/L	0.496802 mg/L
2 Zn 206.200	-0.5	-0.5	-0.0023134 mg/L	-0.462671 mg/L

Mean Data

ID: 1001177-05 Seq. No.: 1 Sample No.: 1 A/S Pos: 35
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 1/21/10 11:50:04 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	395130.0	101.3	0.59	mg/L				0.58%
Y 360.064	240461.0	101.6	0.65	mg/L				0.64%
Ag 328.068	45.5	0.0012725	0.00062315	mg/L	0.254497	0.1246304	mg/L	48.97%
Al 396.140	2176.7	0.287640	0.0039187	mg/L	57.5281	0.78374	mg/L	1.36%
As 188.979	-0.3	-0.0127428	0.03899167	mg/L	-2.54856	7.798333	mg/L	305.99%
B 249.773	155.4	0.0020981	0.00233258	mg/L	0.419611	0.4665169	mg/L	111.18%
Ba 455.403	11128.9	0.0029943	0.00006942	mg/L	0.598856	0.0138839	mg/L	2.32%
Be 234.861	94.1	-0.0000537	0.00011565	mg/L	-0.0107315	0.02312967	mg/L	215.53%
Ca 315.887	3672.2	0.397332	0.0093053	mg/L	79.4663	1.86106	mg/L	2.34%
Cd 214.438	46.1	-0.0020790	0.00111454	mg/L	-0.415801	0.2229077	mg/L	53.61%
Ce 413.765	-76.7	0.0106610	0.00264894	mg/L	2.13220	0.529788	mg/L	24.85%
Co 228.616	-13.0	-0.0026149	0.00058188	mg/L	-0.522988	0.1163758	mg/L	22.25%
Cr 205.560	44.6	-0.0034195	0.00707058	mg/L	-0.683899	1.4141163	mg/L	206.77%
Cu 327.394	-11.6	-0.0018046	0.00092748	mg/L	-0.360911	0.1854954	mg/L	51.40%
Fe 238.204	5137.7	0.614281	0.0045231	mg/L	122.856	0.9046	mg/L	0.74%
K 766.514	2142.1	-0.0420207	0.00981469	mg/L	-8.40413	1.962938	mg/L	23.36%
Li 670.781	447.1	-0.0012310	0.00044532	mg/L	-0.246195	0.0890632	mg/L	36.18%
Mg 279.074	188.2	0.137312	0.0040086	mg/L	27.4624	0.80173	mg/L	2.92%
Mn 257.610	1782.7	0.0266888	0.00090960	mg/L	5.33776	0.181921	mg/L	3.41%
Mo 202.031	0.9	-0.0063305	0.00112473	mg/L	-1.26610	0.224947	mg/L	17.77%
Na 589.594	2857.4	-0.0145422	0.01534370	mg/L	-2.90845	3.068739	mg/L	105.51%
Ni 231.603	72.6	0.0021027	0.00127210	mg/L	0.420546	0.2544203	mg/L	60.50%
Pb 220.353	4.7	0.0126802	0.04369734	mg/L	2.53604	8.739468	mg/L	344.61%
Sb 206.831	8.9	0.0139101	0.01887605	mg/L	2.78201	3.775210	mg/L	135.70%
Se 196.026	71.4	-0.0256307	0.04748432	mg/L	-5.12614	9.496864	mg/L	185.26%
Si 251.611	5235.8	-0.499520	0.1117912	mg/L	-99.9041	22.35824	mg/L	22.38%
Sn 189.933	-3.1	0.0046709	0.01287802	mg/L	0.934175	2.5756048	mg/L	275.71%
Sr 407.771	2885.5	-0.0004305	0.00005320	mg/L	-0.0861019	0.01064089	mg/L	12.36%
Ti 334.941	2694.1	0.0095340	0.00112405	mg/L	1.90680	0.224809	mg/L	11.79%

Tl 190.800	12.3	-0.0190289	0.05908737 mg/L	-3.80578	11.817475 mg/L	310.51%
V 292.402	-257.5	0.0019387	0.00077117 mg/L	0.387741	0.1542346 mg/L	39.78%
Zn 206.200	5.5	0.0006653	0.00421252 mg/L	0.133069	0.8425042 mg/L	633.13%

Replicate Data

ID: 0A21015-SRD2 Date: 1/21/10 11:53:13 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	392920.3	392920.3	100.8	mg/L		
1	Y 360.064	239222.8	239222.8	101.1	mg/L		
1	Ag 328.068	-57.6	-57.1	-0.0031728	mg/L	-3.17280	mg/L
1	Al 396.140	535.1	531.1	0.0474469	mg/L	47.4469	mg/L
1	As 188.979	6.6	6.5	0.0304193	mg/L	30.4193	mg/L
1	B 249.773	129.5	128.5	-0.0008187	mg/L	-0.818739	mg/L
1	Ba 455.403	8881.4	8815.0	-0.0010803	mg/L	-1.08032	mg/L
1	Be 234.861	84.9	84.2	-0.0001765	mg/L	-0.176503	mg/L
1	Ca 315.887	544.0	539.9	0.0553707	mg/L	55.3707	mg/L
1	Cd 214.438	49.8	49.4	-0.0015278	mg/L	-1.52777	mg/L
1	Ce 413.765	-183.9	-182.5	-0.0068270	mg/L	-6.82699	mg/L
1	Co 228.616	-18.4	-18.3	-0.0043926	mg/L	-4.39259	mg/L
1	Cr 205.560	49.5	49.1	0.0010146	mg/L	1.01457	mg/L
1	Cu 327.394	54.3	53.9	0.0031396	mg/L	3.13960	mg/L
1	Fe 238.204	1110.1	1101.8	0.120144	mg/L	120.144	mg/L
1	K 766.514	2194.7	2178.3	-0.0300768	mg/L	-30.0768	mg/L
1	Li 670.781	280.8	278.7	-0.0023783	mg/L	-2.37827	mg/L
1	Mg 279.074	39.6	39.3	0.0071135	mg/L	7.11352	mg/L
1	Mn 257.610	198.5	197.0	0.0033978	mg/L	3.39775	mg/L
1	Mo 202.031	3.7	3.6	-0.0019132	mg/L	-1.91322	mg/L
1	Na 589.594	2605.5	2586.0	-0.0343760	mg/L	-34.3760	mg/L
1	Ni 231.603	77.9	77.3	0.0050957	mg/L	5.09574	mg/L
1	Pb 220.353	-5.1	-5.0	-0.0268837	mg/L	-26.8837	mg/L
1	Sb 206.831	15.7	15.6	0.0508816	mg/L	50.8816	mg/L
1	Se 196.026	81.2	80.6	0.0488728	mg/L	48.8728	mg/L
1	Si 251.611	10003.8	9929.0	0.415548	mg/L	415.548	mg/L
1	Sn 189.933	-1.4	-1.4	0.0222608	mg/L	22.2608	mg/L
1	Sr 407.771	1089.7	1081.6	-0.0018353	mg/L	-1.83528	mg/L
1	Ti 334.941	1938.4	1923.9	0.0003609	mg/L	0.360913	mg/L
1	Tl 190.800	12.1	12.0	-0.0213553	mg/L	-21.3553	mg/L
1	V 292.402	-279.8	-277.7	0.0005007	mg/L	0.500738	mg/L
1	Zn 206.200	-7.6	-7.5	-0.0057773	mg/L	-5.77727	mg/L
2	Sc 357.253	385677.7	385677.7	98.9	mg/L		
2	Y 360.064	234734.1	234734.1	99.2	mg/L		
2	Ag 328.068	20.1	20.4	0.0001847	mg/L	0.184674	mg/L
2	Al 396.140	516.3	522.0	0.0461224	mg/L	46.1224	mg/L
2	As 188.979	10.5	10.6	0.0560716	mg/L	56.0716	mg/L
2	B 249.773	134.2	135.7	-0.0000374	mg/L	-0.0373642	mg/L
2	Ba 455.403	8849.0	8947.8	-0.0008465	mg/L	-0.846543	mg/L
2	Be 234.861	83.9	84.9	-0.0001686	mg/L	-0.168637	mg/L
2	Ca 315.887	562.7	569.0	0.0585407	mg/L	58.5407	mg/L
2	Cd 214.438	48.2	48.7	-0.0016463	mg/L	-1.64630	mg/L
2	Ce 413.765	-212.8	-215.2	-0.0122157	mg/L	-12.2157	mg/L
2	Co 228.616	-9.1	-9.2	-0.0013490	mg/L	-1.34895	mg/L
2	Cr 205.560	43.9	44.4	-0.0035465	mg/L	-3.54649	mg/L
2	Cu 327.394	23.0	23.3	0.0008272	mg/L	0.827246	mg/L
2	Fe 238.204	1098.6	1110.9	0.121257	mg/L	121.257	mg/L
2	K 766.514	2183.7	2208.1	-0.0201348	mg/L	-20.1348	mg/L
2	Li 670.781	311.1	314.6	-0.0021339	mg/L	-2.13395	mg/L
2	Mg 279.074	18.1	18.3	-0.0112801	mg/L	-11.2801	mg/L
2	Mn 257.610	200.5	202.8	0.0034831	mg/L	3.48306	mg/L
2	Mo 202.031	6.6	6.7	0.0030438	mg/L	3.04383	mg/L
2	Na 589.594	2671.3	2701.1	-0.0259697	mg/L	-25.9697	mg/L
2	Ni 231.603	77.2	78.0	0.0055520	mg/L	5.55197	mg/L
2	Pb 220.353	-0.6	-0.6	-0.0088210	mg/L	-8.82102	mg/L
2	Sb 206.831	11.2	11.4	0.0275486	mg/L	27.5486	mg/L
2	Se 196.026	70.8	71.5	-0.0248673	mg/L	-24.8673	mg/L
2	Si 251.611	10034.9	10146.9	0.458032	mg/L	458.032	mg/L
2	Sn 189.933	-1.9	-1.9	0.0171669	mg/L	17.1669	mg/L
2	Sr 407.771	1071.1	1083.1	-0.0018341	mg/L	-1.83411	mg/L
2	Ti 334.941	1991.1	2013.4	0.0014267	mg/L	1.42665	mg/L

2 Tl 190.800	11.6	11.7	-0.0232950 mg/L	-23.2950 mg/L
2 V 292.402	-281.9	-285.0	-0.0000261 mg/L	-0.0261149 mg/L
2 Zn 206.200	1.5	1.6	-0.0013029 mg/L	-1.30294 mg/L

Mean Data

ID: 0A21015-SRD2 Seq. No.: 2 Sample No.: 2 A/S Pos: 36
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1000.0
Data: Original Date: 1/21/10 11:53:13 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	389299.0	99.8	1.31	mg/L				1.32%
Y 360.064	236978.5	100.1	1.34	mg/L				1.34%
Ag 328.068	-18.4	-0.0014941	0.00237409	mg/L	-1.49406	2.374091	mg/L	158.90%
Al 396.140	526.6	0.0467847	0.00093656	mg/L	46.7847	0.93656	mg/L	2.00%
As 188.979	8.6	0.0432454	0.01813897	mg/L	43.2454	18.13897	mg/L	41.94%
B 249.773	132.1	-0.0004281	0.00055252	mg/L	-0.428052	0.5525153	mg/L	129.08%
Ba 455.403	8881.4	-0.0009634	0.00016531	mg/L	-0.963434	0.1653083	mg/L	17.16%
Be 234.861	84.6	-0.0001726	0.00000556	mg/L	-0.172570	0.0055622	mg/L	3.22%
Ca 315.887	554.5	0.0569557	0.00224153	mg/L	56.9557	2.24153	mg/L	3.94%
Cd 214.438	49.0	-0.0015870	0.00008381	mg/L	-1.58704	0.083814	mg/L	5.28%
Ce 413.765	-198.9	-0.0095214	0.00381041	mg/L	-9.52135	3.810408	mg/L	40.02%
Co 228.616	-13.7	-0.0028708	0.00215217	mg/L	-2.87077	2.152174	mg/L	74.97%
Cr 205.560	46.8	-0.0012660	0.00322516	mg/L	-1.26596	3.225155	mg/L	254.76%
Cu 327.394	38.6	0.0019834	0.00163508	mg/L	1.98343	1.635084	mg/L	82.44%
Fe 238.204	1106.3	0.120701	0.0007871	mg/L	120.701	0.7871	mg/L	0.65%
K 766.514	2193.2	-0.0251058	0.00703007	mg/L	-25.1058	7.03007	mg/L	28.00%
Li 670.781	296.6	-0.0022561	0.00017276	mg/L	-2.25611	0.172758	mg/L	7.66%
Mg 279.074	28.8	-0.0020833	0.01300627	mg/L	-2.08330	13.006272	mg/L	624.31%
Mn 257.610	199.9	0.0034404	0.00006032	mg/L	3.44041	0.060320	mg/L	1.75%
Mo 202.031	5.2	0.0005653	0.00350516	mg/L	0.565303	3.5051620	mg/L	620.05%
Na 589.594	2643.6	-0.0301729	0.00594414	mg/L	-30.1729	5.94414	mg/L	19.70%
Ni 231.603	77.7	0.0053239	0.00032261	mg/L	5.32386	0.322606	mg/L	6.06%
Pb 220.353	-2.8	-0.0178524	0.01277226	mg/L	-17.8524	12.77226	mg/L	71.54%
Sb 206.831	13.5	0.0392151	0.01649894	mg/L	39.2151	16.49894	mg/L	42.07%
Se 196.026	76.1	0.0120027	0.05214213	mg/L	12.0027	52.14213	mg/L	434.42%
Si 251.611	10038.0	0.436790	0.0300410	mg/L	436.790	30.0410	mg/L	6.88%
Sn 189.933	-1.7	0.0197138	0.00360190	mg/L	19.7138	3.60190	mg/L	18.27%
Sr 407.771	1082.3	-0.0018347	0.00000082	mg/L	-1.83469	0.000822	mg/L	0.04%
Ti 334.941	1968.6	0.0008938	0.00075359	mg/L	0.893784	0.7535928	mg/L	84.31%
Tl 190.800	11.8	-0.0223252	0.00137153	mg/L	-22.3252	1.37153	mg/L	6.14%
V 292.402	-281.4	0.0002373	0.00037254	mg/L	0.237311	0.3725410	mg/L	156.98%
Zn 206.200	-3.0	-0.0035401	0.00316383	mg/L	-3.54010	3.163828	mg/L	89.37%

Replicate Data

ID: 1000389-PS2 Date: 1/21/10 11:56:28 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	395801.6	395801.6	101.5	mg/L		
1	Y 360.064	241648.0	241648.0	102.1	mg/L		
1	Ag 328.068	5608.5	5526.0	0.238720	mg/L	47.7439	mg/L
1	Al 396.140	10734.5	10576.7	1.51368	mg/L	302.736	mg/L
1	As 188.979	202.1	199.2	1.23839	mg/L	247.677	mg/L
1	B 249.773	2358.0	2323.4	0.237251	mg/L	47.4503	mg/L
1	Ba 455.403	153099.6	150848.8	0.249027	mg/L	49.8055	mg/L
1	Be 234.861	2083.9	2053.3	0.0243281	mg/L	4.86561	mg/L
1	Ca 315.887	117209.4	115486.2	12.6047	mg/L	2520.95	mg/L
1	Cd 214.438	1520.8	1498.5	0.241503	mg/L	48.3007	mg/L
1	Ce 413.765	-180.8	-178.2	-0.0061049	mg/L	-1.22097	mg/L
1	Co 228.616	721.4	710.8	0.240189	mg/L	48.0378	mg/L
1	Cr 205.560	301.7	297.3	0.243118	mg/L	48.6235	mg/L
1	Cu 327.394	3318.5	3269.7	0.245897	mg/L	49.1793	mg/L
1	Fe 238.204	6864.5	6763.6	0.813345	mg/L	162.669	mg/L
1	K 766.514	40166.0	39575.5	12.4423	mg/L	2488.45	mg/L
1	Li 670.781	37442.5	36892.0	0.247006	mg/L	49.4011	mg/L
1	Mg 279.074	14438.4	14226.1	12.4149	mg/L	2482.99	mg/L
1	Mn 257.610	18700.7	18425.7	0.271145	mg/L	54.2290	mg/L
1	Mo 202.031	153.5	151.2	0.237094	mg/L	47.4188	mg/L
1	Na 589.594	175043.4	172470.0	12.3819	mg/L	2476.38	mg/L
1	Ni 231.603	469.0	462.1	0.247524	mg/L	49.5049	mg/L

1	Pb 220.353	61.0	60.1	0.238288 mg/L	47.6576 mg/L
1	Sb 206.831	219.3	216.1	1.15478 mg/L	230.956 mg/L
1	Se 196.026	221.4	218.2	1.16814 mg/L	233.627 mg/L
1	Si 251.611	15396.5	15170.2	1.43744 mg/L	287.489 mg/L
1	Sn 189.933	113.0	111.3	1.23068 mg/L	246.136 mg/L
1	Sr 407.771	326535.1	321734.5	0.247867 mg/L	49.5734 mg/L
1	Ti 334.941	23473.0	23127.9	0.252896 mg/L	50.5793 mg/L
1	Tl 190.800	202.2	199.2	1.21650 mg/L	243.301 mg/L
1	V 292.402	3272.5	3224.4	0.250246 mg/L	50.0492 mg/L
1	Zn 206.200	504.4	496.9	0.243601 mg/L	48.7203 mg/L
2	Sc 357.253	397734.8	397734.8	102.0 mg/L	
2	Y 360.064	242934.3	242934.3	102.7 mg/L	
2	Ag 328.068	5829.4	5715.7	0.246940 mg/L	49.3879 mg/L
2	Al 396.140	10746.6	10537.1	1.50791 mg/L	301.581 mg/L
2	As 188.979	207.8	203.7	1.26694 mg/L	253.388 mg/L
2	B 249.773	2388.5	2341.9	0.239264 mg/L	47.8528 mg/L
2	Ba 455.403	155346.3	152318.5	0.251615 mg/L	50.3231 mg/L
2	Be 234.861	2090.7	2049.9	0.0242866 mg/L	4.85731 mg/L
2	Ca 315.887	118743.9	116429.5	12.7077 mg/L	2541.55 mg/L
2	Cd 214.438	1531.8	1502.0	0.242090 mg/L	48.4180 mg/L
2	Ce 413.765	-178.9	-175.4	-0.0056431 mg/L	-1.12863 mg/L
2	Co 228.616	730.2	716.0	0.241946 mg/L	48.3891 mg/L
2	Cr 205.560	295.8	290.0	0.236027 mg/L	47.2055 mg/L
2	Cu 327.394	3340.7	3275.6	0.246341 mg/L	49.2683 mg/L
2	Fe 238.204	6911.3	6776.6	0.814940 mg/L	162.988 mg/L
2	K 766.514	40731.6	39937.7	12.5631 mg/L	2512.61 mg/L
2	Li 670.781	37905.0	37166.2	0.248874 mg/L	49.7747 mg/L
2	Mg 279.074	14591.4	14307.0	12.4857 mg/L	2497.15 mg/L
2	Mn 257.610	18971.4	18601.6	0.273729 mg/L	54.7457 mg/L
2	Mo 202.031	151.9	148.9	0.233367 mg/L	46.6734 mg/L
2	Na 589.594	177154.8	173702.0	12.4720 mg/L	2494.39 mg/L
2	Ni 231.603	461.0	452.0	0.241169 mg/L	48.2337 mg/L
2	Pb 220.353	66.4	65.1	0.258374 mg/L	51.6748 mg/L
2	Sb 206.831	218.9	214.6	1.14699 mg/L	229.398 mg/L
2	Se 196.026	224.3	220.0	1.18276 mg/L	236.553 mg/L
2	Si 251.611	14064.9	13790.8	1.16850 mg/L	233.700 mg/L
2	Sn 189.933	105.9	103.8	1.14980 mg/L	229.961 mg/L
2	Sr 407.771	331385.2	324926.2	0.250352 mg/L	50.0705 mg/L
2	Ti 334.941	23740.2	23277.5	0.254678 mg/L	50.9357 mg/L
2	Tl 190.800	209.8	205.7	1.25953 mg/L	251.905 mg/L
2	V 292.402	3260.4	3196.8	0.248280 mg/L	49.6560 mg/L
2	Zn 206.200	503.7	493.9	0.242089 mg/L	48.4177 mg/L

Mean Data

ID: 1000389-PS2 Seq. No.: 3 Sample No.: 3 A/S Pos: 37
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 200.0
Data: Original Date: 1/21/10 11:56:28 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	396768.2	101.7	0.35	mg/L				0.34%
Y 360.064	242291.1	102.4	0.38	mg/L				0.38%
Ag 328.068	5620.9	0.242830	0.0058124	mg/L	48.5659	1.16248	mg/L	2.39%
Al 396.140	10556.9	1.51079	0.004083	mg/L	302.159	0.8166	mg/L	0.27%
As 188.979	201.4	1.25266	0.020190	mg/L	250.533	4.0379	mg/L	1.61%
B 249.773	2332.6	0.238258	0.0014232	mg/L	47.6515	0.28463	mg/L	0.60%
Ba 455.403	151583.7	0.250321	0.0018299	mg/L	50.0643	0.36599	mg/L	0.73%
Be 234.861	2051.6	0.0243073	0.00002934	mg/L	4.86146	0.005869	mg/L	0.12%
Ca 315.887	115957.9	12.6562	0.07283	mg/L	2531.25	14.566	mg/L	0.58%
Cd 214.438	1500.2	0.241797	0.0004146	mg/L	48.3593	0.08293	mg/L	0.17%
Ce 413.765	-176.8	-0.0058740	0.00032649	mg/L	-1.17480	0.065299	mg/L	5.56%
Co 228.616	713.4	0.241067	0.0012419	mg/L	48.2135	0.24838	mg/L	0.52%
Cr 205.560	293.7	0.239573	0.0050137	mg/L	47.9145	1.00273	mg/L	2.09%
Cu 327.394	3272.6	0.246119	0.0003145	mg/L	49.2238	0.06291	mg/L	0.13%
Fe 238.204	6770.1	0.814143	0.0011280	mg/L	162.829	0.2256	mg/L	0.14%
K 766.514	39756.6	12.5027	0.08543	mg/L	2500.53	17.086	mg/L	0.68%
Li 670.781	37029.1	0.247940	0.0013209	mg/L	49.5879	0.26417	mg/L	0.53%
Mg 279.074	14266.5	12.4503	0.05005	mg/L	2490.07	10.010	mg/L	0.40%
Mn 257.610	18513.7	0.272437	0.0018268	mg/L	54.4874	0.36536	mg/L	0.67%
Mo 202.031	150.1	0.235231	0.0026350	mg/L	47.0461	0.52701	mg/L	1.12%
Na 589.594	173086.0	12.4269	0.06368	mg/L	2485.39	12.735	mg/L	0.51%

Ni 231.603	457.0	0.244346	0.0044941 mg/L	48.8693	0.89882 mg/L	1.84%
Pb 220.353	62.6	0.248331	0.0142027 mg/L	49.6662	2.84055 mg/L	5.72%
Sb 206.831	215.4	1.15089	0.005508 mg/L	230.177	1.1017 mg/L	0.48%
Se 196.026	219.1	1.17545	0.010343 mg/L	235.090	2.0685 mg/L	0.88%
Si 251.611	14480.5	1.30297	0.190172 mg/L	260.594	38.0343 mg/L	14.60%
Sn 189.933	107.6	1.19024	0.057189 mg/L	238.049	11.4377 mg/L	4.80%
Sr 407.771	323330.4	0.249110	0.0017575 mg/L	49.8219	0.35150 mg/L	0.71%
Ti 334.941	23202.7	0.253787	0.0012600 mg/L	50.7575	0.25200 mg/L	0.50%
Tl 190.800	202.4	1.23801	0.030421 mg/L	247.603	6.0842 mg/L	2.46%
V 292.402	3210.6	0.249263	0.0013902 mg/L	49.8526	0.27804 mg/L	0.56%
Zn 206.200	495.4	0.242845	0.0010697 mg/L	48.5690	0.21393 mg/L	0.44%

Replicate Data

ID: 1001177-05 Date: 1/21/10 11:59:44 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	398249.8	398249.8	102.1	mg/L		
1	Y 360.064	244053.4	244053.4	103.1	mg/L		
1	Ag 328.068	5.2	5.1	-0.0004781	mg/L	-0.0047808	mg/L
1	Al 396.140	40378.2	39540.1	5.74111	mg/L	57.4111	mg/L
1	As 188.979	7.3	7.1	0.0341960	mg/L	0.341960	mg/L
1	B 249.773	456.4	446.9	0.0337208	mg/L	0.337208	mg/L
1	Ba 455.403	61568.3	60290.3	0.0895626	mg/L	0.895626	mg/L
1	Be 234.861	231.5	226.7	0.0001483	mg/L	0.0014826	mg/L
1	Ca 315.887	76805.8	75211.5	8.20867	mg/L	82.0867	mg/L
1	Cd 214.438	58.9	57.6	-0.0001467	mg/L	-0.0014669	mg/L
1	Ce 413.765	-219.2	-214.6	-0.0121299	mg/L	-0.121299	mg/L
1	Co 228.616	15.4	15.1	0.0068030	mg/L	0.0680300	mg/L
1	Cr 205.560	64.6	63.3	0.0148478	mg/L	0.148478	mg/L
1	Cu 327.394	302.4	296.1	0.0214196	mg/L	0.214196	mg/L
1	Fe 238.204	97768.8	95739.3	11.7071	mg/L	117.071	mg/L
1	K 766.514	3277.9	3209.8	0.317209	mg/L	3.17209	mg/L
1	Li 670.781	1338.4	1310.6	0.0046502	mg/L	0.0465016	mg/L
1	Mg 279.074	3293.1	3224.8	2.78438	mg/L	27.8438	mg/L
1	Mn 257.610	38578.6	37777.8	0.555391	mg/L	5.55391	mg/L
1	Mo 202.031	3.5	3.5	-0.0021716	mg/L	-0.0217162	mg/L
1	Na 589.594	3636.3	3560.8	0.0376406	mg/L	0.376406	mg/L
1	Ni 231.603	104.4	102.2	0.0208007	mg/L	0.208007	mg/L
1	Pb 220.353	5.9	5.8	0.0172918	mg/L	0.172918	mg/L
1	Sb 206.831	-4.3	-4.2	-0.0583156	mg/L	-0.583156	mg/L
1	Se 196.026	71.6	70.2	-0.0361781	mg/L	-0.361781	mg/L
1	Si 251.611	8857.2	8673.4	0.170730	mg/L	1.70730	mg/L
1	Sn 189.933	-2.9	-2.8	0.0070506	mg/L	0.0705057	mg/L
1	Sr 407.771	40483.7	39643.3	0.0281939	mg/L	0.281939	mg/L
1	Ti 334.941	21047.1	20610.2	0.222912	mg/L	2.22912	mg/L
1	Tl 190.800	14.5	14.2	-0.0067183	mg/L	-0.0671829	mg/L
1	V 292.402	-79.3	-77.7	0.0147634	mg/L	0.147634	mg/L
1	Zn 206.200	104.9	102.7	0.0487233	mg/L	0.487233	mg/L
2	Sc 357.253	393322.5	393322.5	100.9	mg/L		
2	Y 360.064	240893.4	240893.4	101.8	mg/L		
2	Ag 328.068	-38.4	-38.1	-0.0023478	mg/L	-0.0234782	mg/L
2	Al 396.140	40599.9	40255.1	5.84548	mg/L	58.4548	mg/L
2	As 188.979	8.9	8.8	0.0447665	mg/L	0.447665	mg/L
2	B 249.773	452.7	448.9	0.0339287	mg/L	0.339287	mg/L
2	Ba 455.403	61494.8	60972.6	0.0907642	mg/L	0.907642	mg/L
2	Be 234.861	226.5	224.5	0.0001050	mg/L	0.0010504	mg/L
2	Ca 315.887	76712.1	76060.8	8.30141	mg/L	83.0141	mg/L
2	Cd 214.438	49.4	49.0	-0.0015956	mg/L	-0.0159557	mg/L
2	Ce 413.765	14.9	14.8	0.0257893	mg/L	0.257893	mg/L
2	Co 228.616	28.9	28.7	0.0113492	mg/L	0.113492	mg/L
2	Cr 205.560	59.0	58.5	0.0101235	mg/L	0.101235	mg/L
2	Cu 327.394	341.4	338.5	0.0246197	mg/L	0.246197	mg/L
2	Fe 238.204	97681.9	96852.5	11.8434	mg/L	118.434	mg/L
2	K 766.514	3116.5	3090.0	0.277301	mg/L	2.77301	mg/L
2	Li 670.781	1467.5	1455.1	0.0056342	mg/L	0.0563422	mg/L
2	Mg 279.074	3301.7	3273.6	2.82700	mg/L	28.2700	mg/L
2	Mn 257.610	38353.4	38027.7	0.559062	mg/L	5.59062	mg/L
2	Mo 202.031	4.6	4.6	-0.0003333	mg/L	-0.0033330	mg/L
2	Na 589.594	3627.7	3596.9	0.0402855	mg/L	0.402855	mg/L

2	Ni 231.603	94.1	93.3	0.0151859 mg/L	0.151859 mg/L
2	Pb 220.353	12.3	12.2	0.0430969 mg/L	0.430969 mg/L
2	Sb 206.831	3.8	3.8	-0.0141009 mg/L	-0.141009 mg/L
2	Se 196.026	62.8	62.3	-0.100173 mg/L	-1.00173 mg/L
2	Si 251.611	7861.2	7794.4	-0.0006493 mg/L	-0.0064927 mg/L
2	Sn 189.933	-2.2	-2.1	0.0144912 mg/L	0.144912 mg/L
2	Sr 407.771	40327.1	39984.7	0.0284598 mg/L	0.284598 mg/L
2	Ti 334.941	21014.3	20835.9	0.225599 mg/L	2.25599 mg/L
2	Tl 190.800	14.3	14.1	-0.0071422 mg/L	-0.0714219 mg/L
2	V 292.402	-122.2	-121.2	0.0116611 mg/L	0.116611 mg/L
2	Zn 206.200	105.8	104.9	0.0497978 mg/L	0.497978 mg/L

Mean Data

ID: 1001177-05 Seq. No.: 4 Sample No.: 4 A/S Pos: 38
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 10.0
Data: Original Date: 1/21/10 11:59:44 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	395786.1	101.5	0.89	mg/L				0.88%
Y 360.064	242473.4	102.5	0.94	mg/L				0.92%
Ag 328.068	-16.5	-0.0014129	0.00132210	mg/L	-0.0141295	0.01322102	mg/L	93.57%
Al 396.140	39897.6	5.79329	0.073800	mg/L	57.9329	0.73800	mg/L	1.27%
As 188.979	8.0	0.0394813	0.00747445	mg/L	0.394813	0.0747445	mg/L	18.93%
B 249.773	447.9	0.0338247	0.00014706	mg/L	0.338247	0.0014706	mg/L	0.43%
Ba 455.403	60631.4	0.0901634	0.00084964	mg/L	0.901634	0.0084964	mg/L	0.94%
Be 234.861	225.6	0.0001267	0.00003056	mg/L	0.0012665	0.00030563	mg/L	24.13%
Ca 315.887	75636.1	8.25504	0.065573	mg/L	82.5504	0.65573	mg/L	0.79%
Cd 214.438	53.3	-0.0008711	0.00102452	mg/L	-0.0087113	0.01024517	mg/L	117.61%
Ce 413.765	-99.9	0.0068297	0.02681293	mg/L	0.0682967	0.26812928	mg/L	392.59%
Co 228.616	21.9	0.0090761	0.00321462	mg/L	0.0907608	0.03214616	mg/L	35.42%
Cr 205.560	60.9	0.0124856	0.00334057	mg/L	0.124856	0.0334057	mg/L	26.76%
Cu 327.394	317.3	0.0230196	0.00226278	mg/L	0.230196	0.0226278	mg/L	9.83%
Fe 238.204	96295.9	11.7752	0.09637	mg/L	117.752	0.9637	mg/L	0.82%
K 766.514	3149.9	0.297255	0.0282189	mg/L	2.97255	0.282189	mg/L	9.49%
Li 670.781	1382.8	0.0051422	0.00069583	mg/L	0.0514219	0.00695835	mg/L	13.53%
Mg 279.074	3249.2	2.80569	0.030132	mg/L	28.0569	0.30132	mg/L	1.07%
Mn 257.610	37902.7	0.557227	0.0025960	mg/L	5.57227	0.025960	mg/L	0.47%
Mo 202.031	4.0	-0.0012525	0.00129989	mg/L	-0.0125246	0.01299889	mg/L	103.79%
Na 589.594	3578.8	0.0389631	0.00187024	mg/L	0.389631	0.0187024	mg/L	4.80%
Ni 231.603	97.8	0.0179933	0.00397028	mg/L	0.179933	0.0397028	mg/L	22.07%
Pb 220.353	9.0	0.0301943	0.01824702	mg/L	0.301943	0.1824702	mg/L	60.43%
Sb 206.831	-0.2	-0.0362083	0.03126454	mg/L	-0.362083	0.3126454	mg/L	86.35%
Se 196.026	66.2	-0.0681756	0.04525132	mg/L	-0.681756	0.4525132	mg/L	66.37%
Si 251.611	8233.9	0.0850406	0.12118371	mg/L	0.850406	1.2118371	mg/L	142.50%
Sn 189.933	-2.5	0.0107709	0.00526133	mg/L	0.107709	0.0526133	mg/L	48.85%
Sr 407.771	39814.0	0.0283268	0.00018798	mg/L	0.283268	0.0018798	mg/L	0.66%
Ti 334.941	20723.1	0.224256	0.0019006	mg/L	2.24256	0.019006	mg/L	0.85%
Tl 190.800	14.2	-0.0069302	0.00029974	mg/L	-0.0693024	0.00299742	mg/L	4.33%
V 292.402	-99.4	0.0132123	0.00219368	mg/L	0.132123	0.0219368	mg/L	16.60%
Zn 206.200	103.8	0.0492606	0.00075978	mg/L	0.492606	0.0075978	mg/L	1.54%

Replicate Data

ID: 0A21015-SRD3 Date: 1/21/10 12:02:54 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	393622.1	393622.1	100.9	mg/L		
1	Y 360.064	240811.8	240811.8	101.8	mg/L		
1	Ag 328.068	-32.2	-31.9	-0.0020798	mg/L	-0.103989	mg/L
1	Al 396.140	7724.1	7652.6	1.08689	mg/L	54.3446	mg/L
1	As 188.979	0.9	0.9	-0.0046654	mg/L	-0.233272	mg/L
1	B 249.773	181.2	179.6	0.0047177	mg/L	0.235886	mg/L
1	Ba 455.403	18228.3	18059.7	0.0151987	mg/L	0.759937	mg/L
1	Be 234.861	95.9	95.1	-0.0000418	mg/L	-0.0020922	mg/L
1	Ca 315.887	14359.3	14226.5	1.54958	mg/L	77.4792	mg/L
1	Cd 214.438	58.1	57.6	-0.0001575	mg/L	-0.0078759	mg/L
1	Ce 413.765	-72.2	-71.5	0.0115209	mg/L	0.576044	mg/L
1	Co 228.616	-7.1	-7.0	-0.0006263	mg/L	-0.0313130	mg/L
1	Cr 205.560	55.0	54.5	0.0062724	mg/L	0.313622	mg/L
1	Cu 327.394	53.4	52.9	0.0030623	mg/L	0.153114	mg/L

1	Fe 238.204	18627.7	18455.4	2.24484	mg/L	112.242 mg/L
1	K 766.514	2283.6	2262.5	-0.0015126	mg/L	-0.0756323 mg/L
1	Li 670.781	555.3	550.2	-0.0005290	mg/L	-0.0264513 mg/L
1	Mg 279.074	621.4	615.6	0.509715	mg/L	25.4857 mg/L
1	Mn 257.610	7200.0	7133.4	0.105281	mg/L	5.26406 mg/L
1	Mo 202.031	4.0	4.0	-0.0013470	mg/L	-0.0673493 mg/L
1	Na 589.594	2859.9	2833.5	-0.0162936	mg/L	-0.814682 mg/L
1	Ni 231.603	72.0	71.3	0.0013054	mg/L	0.0652723 mg/L
1	Pb 220.353	6.1	6.1	0.0183996	mg/L	0.919981 mg/L
1	Sb 206.831	-3.0	-3.0	-0.0514553	mg/L	-2.57277 mg/L
1	Se 196.026	77.2	76.5	0.0154443	mg/L	0.772216 mg/L
1	Si 251.611	7775.3	7703.4	-0.0183835	mg/L	-0.919174 mg/L
1	Sn 189.933	-2.8	-2.8	0.0075412	mg/L	0.377059 mg/L
1	Sr 407.771	8270.9	8194.4	0.0037037	mg/L	0.185187 mg/L
1	Ti 334.941	5392.8	5343.0	0.0410818	mg/L	2.05409 mg/L
1	Tl 190.800	8.9	8.8	-0.0425627	mg/L	-2.12813 mg/L
1	V 292.402	-214.4	-212.5	0.0051504	mg/L	0.257522 mg/L
1	Zn 206.200	27.0	26.8	0.0111580	mg/L	0.557898 mg/L
2	Sc 357.253	390617.5	390617.5	100.2	mg/L	
2	Y 360.064	238647.0	238647.0	100.8	mg/L	
2	Ag 328.068	-30.9	-30.9	-0.0020349	mg/L	-0.101745 mg/L
2	Al 396.140	7727.2	7714.6	1.09594	mg/L	54.7969 mg/L
2	As 188.979	5.9	5.9	0.0265617	mg/L	1.32809 mg/L
2	B 249.773	175.0	174.7	0.0041888	mg/L	0.209438 mg/L
2	Ba 455.403	18277.9	18248.2	0.0155306	mg/L	0.776528 mg/L
2	Be 234.861	119.0	118.8	0.0002536	mg/L	0.0126814 mg/L
2	Ca 315.887	14293.2	14270.0	1.55433	mg/L	77.7167 mg/L
2	Cd 214.438	49.3	49.2	-0.0015608	mg/L	-0.0780418 mg/L
2	Ce 413.765	-86.5	-86.3	0.0090744	mg/L	0.453720 mg/L
2	Co 228.616	5.0	4.9	0.0033908	mg/L	0.169538 mg/L
2	Cr 205.560	35.8	35.7	-0.0120413	mg/L	-0.602067 mg/L
2	Cu 327.394	71.4	71.3	0.0044482	mg/L	0.222412 mg/L
2	Fe 238.204	18716.6	18686.2	2.27309	mg/L	113.654 mg/L
2	K 766.514	2161.0	2157.5	-0.0365218	mg/L	-1.82609 mg/L
2	Li 670.781	544.3	543.4	-0.0005753	mg/L	-0.0287660 mg/L
2	Mg 279.074	651.9	650.8	0.540471	mg/L	27.0236 mg/L
2	Mn 257.610	7180.5	7168.9	0.105802	mg/L	5.29010 mg/L
2	Mo 202.031	5.6	5.6	0.0013191	mg/L	0.0659539 mg/L
2	Na 589.594	2909.8	2905.1	-0.0110615	mg/L	-0.553073 mg/L
2	Ni 231.603	66.7	66.6	-0.0016752	mg/L	-0.0837582 mg/L
2	Pb 220.353	1.8	1.8	0.0010743	mg/L	0.0537130 mg/L
2	Sb 206.831	10.8	10.8	0.0243014	mg/L	1.21507 mg/L
2	Se 196.026	71.8	71.7	-0.0236010	mg/L	-1.18005 mg/L
2	Si 251.611	7155.9	7144.3	-0.127403	mg/L	-6.37016 mg/L
2	Sn 189.933	-6.0	-6.0	-0.0271386	mg/L	-1.35693 mg/L
2	Sr 407.771	8376.8	8363.2	0.0038351	mg/L	0.191757 mg/L
2	Ti 334.941	5264.9	5256.4	0.0400503	mg/L	2.00251 mg/L
2	Tl 190.800	9.8	9.7	-0.0361811	mg/L	-1.80905 mg/L
2	V 292.402	-261.9	-261.4	0.0016569	mg/L	0.0828428 mg/L
2	Zn 206.200	13.7	13.7	0.0046777	mg/L	0.233884 mg/L

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

ID: 0A21015-SRD3 Seq. No.: 5 Sample No.: 5 A/S Pos: 39
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 50.0
Data: Original Date: 1/21/10 12:02:54 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	392119.8	100.5	0.54	mg/L				0.54%
Y 360.064	239729.4	101.3	0.65	mg/L				0.64%
Ag 328.068	-31.4	-0.0020573	0.00003173	mg/L	-0.102867	0.0015866	mg/L	1.54%
Al 396.140	7683.6	1.09141	0.006396	mg/L	54.5707	0.31982	mg/L	0.59%
As 188.979	3.4	0.0109481	0.02208094	mg/L	0.547407	1.1040469	mg/L	201.69%
B 249.773	177.1	0.0044532	0.00037403	mg/L	0.222662	0.0187016	mg/L	8.40%
Ba 455.403	18154.0	0.0153647	0.00023464	mg/L	0.768233	0.0117318	mg/L	1.53%
Be 234.861	106.9	0.0001059	0.00020893	mg/L	0.0052946	0.01044655	mg/L	197.31%
Ca 315.887	14248.3	1.55196	0.003359	mg/L	77.5980	0.16793	mg/L	0.22%
Cd 214.438	53.4	-0.0008592	0.00099230	mg/L	-0.0429588	0.04961482	mg/L	115.49%
Ce 413.765	-78.9	0.0102976	0.00172992	mg/L	0.514882	0.0864962	mg/L	16.80%
Co 228.616	-1.0	0.0013822	0.00284046	mg/L	0.0691124	0.14202301	mg/L	205.50%
Cr 205.560	45.1	-0.0028845	0.01294980	mg/L	-0.144223	0.6474900	mg/L	448.95%

Cu 327.394	62.1	0.0037553	0.00098002 mg/L	0.187763	0.0490010 mg/L	26.10%
Fe 238.204	18570.8	2.25896	0.019975 mg/L	112.948	0.9987 mg/L	0.88%
K 766.514	2210.0	-0.0190172	0.02475524 mg/L	-0.950862	1.2377619 mg/L	130.17%
Li 670.781	546.8	-0.0005522	0.00003274 mg/L	-0.0276086	0.00163677 mg/L	5.93%
Mg 279.074	633.2	0.525093	0.0217481 mg/L	26.2546	1.08741 mg/L	4.14%
Mn 257.610	7151.1	0.105542	0.0003683 mg/L	5.27708	0.018414 mg/L	0.35%
Mo 202.031	4.8	-0.0000140	0.00188519 mg/L	-0.0006977	0.09425955 mg/L	>999.9%
Na 589.594	2869.3	-0.0136775	0.00369971 mg/L	-0.683877	0.1849853 mg/L	27.05%
Ni 231.603	68.9	-0.0001849	0.00210761 mg/L	-0.0092430	0.10538048 mg/L	>999.9%
Pb 220.353	4.0	0.0097369	0.01225088 mg/L	0.486847	0.6125440 mg/L	125.82%
Sb 206.831	3.9	-0.0135770	0.05356808 mg/L	-0.678850	2.6784038 mg/L	394.55%
Se 196.026	74.1	-0.0040783	0.02760923 mg/L	-0.203917	1.3804615 mg/L	676.97%
Si 251.611	7423.9	-0.0728934	0.07708864 mg/L	-3.64467	3.854432 mg/L	105.76%
Sn 189.933	-4.4	-0.0097987	0.02452229 mg/L	-0.489935	1.2261147 mg/L	250.26%
Sr 407.771	8278.8	0.0037694	0.00009292 mg/L	0.188472	0.0046458 mg/L	2.46%
Ti 334.941	5299.7	0.0405660	0.00072937 mg/L	2.02830	0.036469 mg/L	1.80%
Tl 190.800	9.3	-0.0393719	0.00451245 mg/L	-1.96859	0.225623 mg/L	11.46%
V 292.402	-237.0	0.0034036	0.00247033 mg/L	0.170182	0.1235165 mg/L	72.58%
Zn 206.200	20.2	0.0079178	0.00458226 mg/L	0.395891	0.2291128 mg/L	57.87%

Replicate Data

ID: 1000389-PS3 Date: 1/21/10 12:06:12 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	400265.7	400265.7	102.6	mg/L		
1	Y 360.064	244088.4	244088.4	103.1	mg/L		
1	Ag 328.068	5668.4	5522.8	0.238578	mg/L	2.38578	mg/L
1	Al 396.140	48308.2	47067.1	6.83974	mg/L	68.3974	mg/L
1	As 188.979	221.5	215.8	1.34304	mg/L	13.4304	mg/L
1	B 249.773	2695.0	2625.8	0.270052	mg/L	2.70052	mg/L
1	Ba 455.403	204297.8	199049.3	0.333904	mg/L	3.33904	mg/L
1	Be 234.861	2259.9	2201.8	0.0247189	mg/L	0.247189	mg/L
1	Ca 315.887	191682.4	186758.0	20.3877	mg/L	203.877	mg/L
1	Cd 214.438	1568.3	1528.0	0.246458	mg/L	2.46458	mg/L
1	Ce 413.765	-79.7	-77.7	0.0105002	mg/L	0.105002	mg/L
1	Co 228.616	752.8	733.5	0.247810	mg/L	2.47810	mg/L
1	Cr 205.560	321.2	312.9	0.258360	mg/L	2.58360	mg/L
1	Cu 327.394	3704.4	3609.2	0.271527	mg/L	2.71527	mg/L
1	Fe 238.204	98944.1	96402.1	11.7882	mg/L	117.882	mg/L
1	K 766.514	41562.4	40494.7	12.7520	mg/L	127.520	mg/L
1	Li 670.781	38587.7	37596.4	0.251803	mg/L	2.51803	mg/L
1	Mg 279.074	17691.8	17237.3	15.0404	mg/L	150.404	mg/L
1	Mn 257.610	55057.3	53642.9	0.788421	mg/L	7.88421	mg/L
1	Mo 202.031	159.5	155.4	0.243858	mg/L	2.43858	mg/L
1	Na 589.594	177001.8	172454.6	12.3821	mg/L	123.821	mg/L
1	Ni 231.603	512.3	499.2	0.270896	mg/L	2.70896	mg/L
1	Pb 220.353	69.5	67.7	0.269252	mg/L	2.69252	mg/L
1	Sb 206.831	236.3	230.2	1.23253	mg/L	12.3253	mg/L
1	Se 196.026	234.9	228.9	1.25522	mg/L	12.5522	mg/L
1	Si 251.611	16002.8	15591.7	1.51964	mg/L	15.1964	mg/L
1	Sn 189.933	111.7	108.8	1.20373	mg/L	12.0373	mg/L
1	Sr 407.771	366598.7	357180.6	0.275470	mg/L	2.75470	mg/L
1	Ti 334.941	41801.6	40727.7	0.462507	mg/L	4.62507	mg/L
1	Tl 190.800	207.1	201.8	1.23352	mg/L	12.3352	mg/L
1	V 292.402	3415.6	3327.9	0.257627	mg/L	2.57627	mg/L
1	Zn 206.200	608.4	592.7	0.290963	mg/L	2.90963	mg/L
2	Sc 357.253	397344.7	397344.7	101.9	mg/L		
2	Y 360.064	241811.7	241811.7	102.2	mg/L		
2	Ag 328.068	5683.7	5578.4	0.240990	mg/L	2.40990	mg/L
2	Al 396.140	48689.5	47787.4	6.94487	mg/L	69.4487	mg/L
2	As 188.979	214.3	210.3	1.30856	mg/L	13.0856	mg/L
2	B 249.773	2733.3	2682.7	0.276226	mg/L	2.76226	mg/L
2	Ba 455.403	204950.9	201153.6	0.337609	mg/L	3.37609	mg/L
2	Be 234.861	2299.0	2256.4	0.0253759	mg/L	0.253759	mg/L
2	Ca 315.887	192728.4	189157.6	20.6497	mg/L	206.497	mg/L
2	Cd 214.438	1578.1	1548.8	0.249950	mg/L	2.49950	mg/L
2	Ce 413.765	-83.6	-82.1	0.0097806	mg/L	0.0978062	mg/L
2	Co 228.616	776.1	761.7	0.257277	mg/L	2.57277	mg/L
2	Cr 205.560	319.0	313.1	0.258492	mg/L	2.58492	mg/L

2	Cu 327.394	3650.8	3583.2	0.269561 mg/L	2.69561 mg/L
2	Fe 238.204	99725.8	97878.0	11.9689 mg/L	119.689 mg/L
2	K 766.514	41697.6	40925.0	12.8955 mg/L	128.955 mg/L
2	Li 670.781	38744.8	38026.9	0.254736 mg/L	2.54736 mg/L
2	Mg 279.074	17810.7	17480.7	15.2531 mg/L	152.531 mg/L
2	Mn 257.610	55428.9	54402.0	0.799570 mg/L	7.99570 mg/L
2	Mo 202.031	170.3	167.2	0.262850 mg/L	2.62850 mg/L
2	Na 589.594	177607.3	174316.6	12.5182 mg/L	125.182 mg/L
2	Ni 231.603	497.8	488.6	0.264243 mg/L	2.64243 mg/L
2	Pb 220.353	72.6	71.2	0.283474 mg/L	2.83474 mg/L
2	Sb 206.831	240.0	235.6	1.26230 mg/L	12.6230 mg/L
2	Se 196.026	227.1	222.9	1.20650 mg/L	12.0650 mg/L
2	Si 251.611	14988.8	14711.1	1.34794 mg/L	13.4794 mg/L
2	Sn 189.933	113.1	111.0	1.22746 mg/L	12.2746 mg/L
2	Sr 407.771	368325.6	361501.4	0.278835 mg/L	2.78835 mg/L
2	Ti 334.941	41987.4	41209.5	0.468245 mg/L	4.68245 mg/L
2	Tl 190.800	209.2	205.4	1.25737 mg/L	12.5737 mg/L
2	V 292.402	3513.3	3448.2	0.266205 mg/L	2.66205 mg/L
2	Zn 206.200	612.2	600.9	0.294995 mg/L	2.94995 mg/L

Mean Data

ID: 1000389-PS3 Seq. No.: 6 Sample No.: 6 A/S Pos: 40
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 10.0
Data: Original Date: 1/21/10 12:06:12 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	398805.2	102.3	0.53	mg/L				0.52%
Y 360.064	242950.1	102.7	0.68	mg/L				0.66%
Ag 328.068	5550.6	0.239784	0.0017051	mg/L	2.39784	0.017051	mg/L	0.71%
Al 396.140	47427.3	6.89231	0.074340	mg/L	68.9231	0.74340	mg/L	1.08%
As 188.979	213.1	1.32580	0.024380	mg/L	13.2580	0.24380	mg/L	1.84%
B 249.773	2654.2	0.273139	0.0043661	mg/L	2.73139	0.043661	mg/L	1.60%
Ba 455.403	200101.4	0.335756	0.0026201	mg/L	3.35756	0.026201	mg/L	0.78%
Be 234.861	2229.1	0.0250474	0.00046455	mg/L	0.250474	0.0046455	mg/L	1.85%
Ca 315.887	187957.8	20.5187	0.18523	mg/L	205.187	1.8523	mg/L	0.90%
Cd 214.438	1538.4	0.248204	0.0024692	mg/L	2.48204	0.024692	mg/L	0.99%
Ce 413.765	-79.9	0.0101404	0.00050882	mg/L	0.101404	0.0050882	mg/L	5.02%
Co 228.616	747.6	0.252544	0.0066941	mg/L	2.52544	0.066941	mg/L	2.65%
Cr 205.560	313.0	0.258426	0.0000935	mg/L	2.58426	0.000935	mg/L	0.04%
Cu 327.394	3596.2	0.270544	0.0013899	mg/L	2.70544	0.013899	mg/L	0.51%
Fe 238.204	97140.1	11.8786	0.12778	mg/L	118.786	1.2778	mg/L	1.08%
K 766.514	40709.9	12.8237	0.10153	mg/L	128.237	1.0153	mg/L	0.79%
Li 670.781	37811.6	0.253270	0.0020736	mg/L	2.53270	0.020736	mg/L	0.82%
Mg 279.074	17359.0	15.1468	0.15044	mg/L	151.468	1.5044	mg/L	0.99%
Mn 257.610	54022.4	0.793996	0.0078837	mg/L	7.93996	0.078837	mg/L	0.99%
Mo 202.031	161.3	0.253354	0.0134299	mg/L	2.53354	0.134299	mg/L	5.30%
Na 589.594	173385.6	12.4501	0.09622	mg/L	124.501	0.9622	mg/L	0.77%
Ni 231.603	493.9	0.267569	0.0047048	mg/L	2.67569	0.047048	mg/L	1.76%
Pb 220.353	69.5	0.276363	0.0100570	mg/L	2.76363	0.100570	mg/L	3.64%
Sb 206.831	232.9	1.24742	0.021050	mg/L	12.4742	0.21050	mg/L	1.69%
Se 196.026	225.9	1.23086	0.034449	mg/L	12.3086	0.34449	mg/L	2.80%
Si 251.611	15151.4	1.43379	0.121404	mg/L	14.3379	1.21404	mg/L	8.47%
Sn 189.933	109.9	1.21559	0.016779	mg/L	12.1559	0.16779	mg/L	1.38%
Sr 407.771	359341.0	0.277152	0.0023792	mg/L	2.77152	0.023792	mg/L	0.86%
Ti 334.941	40968.6	0.465376	0.0040572	mg/L	4.65376	0.040572	mg/L	0.87%
Tl 190.800	203.6	1.24545	0.016863	mg/L	12.4545	0.16863	mg/L	1.35%
V 292.402	3388.0	0.261916	0.0060650	mg/L	2.61916	0.060650	mg/L	2.32%
Zn 206.200	596.8	0.292979	0.0028504	mg/L	2.92979	0.028504	mg/L	0.97%

Replicate Data

ID: 0A21015-CCV Date: 1/21/10 12:09:36 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	397485.6	397485.6	101.9	mg/L		
1	Y 360.064	241788.4	241788.4	102.2	mg/L		
1	Ag 328.068	12097.5	11869.1	0.513537	mg/L		
1	Al 396.140	18177.2	17834.1	2.57295	mg/L		
1	As 188.979	416.5	408.6	2.55199	mg/L		
1	B 249.773	4858.4	4766.7	0.502273	mg/L		

1	Ba 455.403	302321.3	296614.8	0.505707 mg/L
1	Be 234.861	4289.4	4208.4	0.0511487 mg/L
1	Ca 315.887	47514.4	46617.6	5.08367 mg/L
1	Cd 214.438	3137.3	3078.1	0.506429 mg/L
1	Ce 413.765	-102.7	-100.7	0.0066963 mg/L
1	Co 228.616	1534.8	1505.9	0.506946 mg/L
1	Cr 205.560	568.4	557.7	0.497134 mg/L
1	Cu 327.394	6907.6	6777.2	0.510676 mg/L
1	Fe 238.204	4367.0	4284.6	0.509830 mg/L
1	K 766.514	18040.5	17700.0	5.14688 mg/L
1	Li 670.781	76495.1	75051.2	0.506919 mg/L
1	Mg 279.074	5975.0	5862.2	5.09953 mg/L
1	Mn 257.610	35378.0	34710.2	0.510334 mg/L
1	Mo 202.031	314.9	309.0	0.492497 mg/L
1	Na 589.594	73642.9	72252.8	5.05586 mg/L
1	Ni 231.603	889.9	873.1	0.506550 mg/L
1	Pb 220.353	124.7	122.4	0.491590 mg/L
1	Sb 206.831	469.1	460.3	2.49974 mg/L
1	Se 196.026	386.6	379.3	2.47895 mg/L
1	Si 251.611	25553.6	25071.3	3.36792 mg/L
1	Sn 189.933	234.3	229.8	2.50053 mg/L
1	Sr 407.771	666112.3	653538.9	0.506253 mg/L
1	Ti 334.941	45316.8	44461.4	0.506974 mg/L
1	Tl 190.800	409.2	401.5	2.55432 mg/L
1	V 292.402	6944.8	6813.7	0.506217 mg/L
1	Zn 206.200	1037.8	1018.2	0.501281 mg/L
2	Sc 357.253	396937.5	396937.5	101.8 mg/L
2	Y 360.064	241357.9	241357.9	102.0 mg/L
2	Ag 328.068	12010.6	11800.2	0.510551 mg/L
2	Al 396.140	18191.7	17873.0	2.57863 mg/L
2	As 188.979	414.2	407.0	2.54174 mg/L
2	B 249.773	4868.2	4782.9	0.504029 mg/L
2	Ba 455.403	303665.3	298344.7	0.508753 mg/L
2	Be 234.861	4299.4	4224.0	0.0513433 mg/L
2	Ca 315.887	47419.2	46588.3	5.08039 mg/L
2	Cd 214.438	3160.1	3104.7	0.510888 mg/L
2	Ce 413.765	-170.7	-167.7	-0.0043814 mg/L
2	Co 228.616	1545.1	1518.0	0.511020 mg/L
2	Cr 205.560	586.7	576.4	0.515359 mg/L
2	Cu 327.394	6861.2	6741.0	0.507943 mg/L
2	Fe 238.204	4412.5	4335.2	0.516027 mg/L
2	K 766.514	17897.8	17584.2	5.10828 mg/L
2	Li 670.781	76710.5	75366.5	0.509067 mg/L
2	Mg 279.074	5970.3	5865.7	5.10258 mg/L
2	Mn 257.610	35336.2	34717.1	0.510435 mg/L
2	Mo 202.031	332.8	327.0	0.521663 mg/L
2	Na 589.594	74079.0	72781.0	5.09440 mg/L
2	Ni 231.603	893.8	878.1	0.509696 mg/L
2	Pb 220.353	134.5	132.1	0.531113 mg/L
2	Sb 206.831	479.0	470.6	2.55659 mg/L
2	Se 196.026	389.1	382.3	2.50318 mg/L
2	Si 251.611	26961.3	26488.9	3.64433 mg/L
2	Sn 189.933	239.1	234.9	2.55447 mg/L
2	Sr 407.771	669148.4	657424.2	0.509279 mg/L
2	Ti 334.941	45306.3	44512.5	0.507583 mg/L
2	Tl 190.800	401.5	394.4	2.50752 mg/L
2	V 292.402	7022.9	6899.9	0.512359 mg/L
2	Zn 206.200	1051.8	1033.3	0.508775 mg/L

Mean Data

ID: 0A21015-CCV Seq. No.: 7 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: 1/21/10 12:09:36 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	397211.5	101.9	0.10	mg/L				0.10%
Y 360.064	241573.2	102.1	0.13	mg/L				0.13%
Ag 328.068	11834.6	0.512044	0.0021118	mg/L				0.41%
Al 396.140	17853.5	2.57579	0.004012	mg/L				0.16%
As 188.979	407.8	2.54687	0.007248	mg/L				0.28%

B 249.773	4774.8	0.503151	0.0012416	mg/L	0.25%
Ba 455.403	297479.7	0.507230	0.0021541	mg/L	0.42%
Be 234.861	4216.2	0.0512460	0.00013760	mg/L	0.27%
Ca 315.887	46602.9	5.08203	0.002318	mg/L	0.05%
Cd 214.438	3091.4	0.508659	0.0031524	mg/L	0.62%
Ce 413.765	-134.2	0.0011575	0.00783309	mg/L	676.74%
Co 228.616	1511.9	0.508983	0.0028812	mg/L	0.57%
Cr 205.560	567.1	0.506246	0.0128867	mg/L	2.55%
Cu 327.394	6759.1	0.509310	0.0019321	mg/L	0.38%
Fe 238.204	4309.9	0.512928	0.0043818	mg/L	0.85%
K 766.514	17642.1	5.12758	0.027292	mg/L	0.53%
Li 670.781	75208.8	0.507993	0.0015182	mg/L	0.30%
Mg 279.074	5863.9	5.10105	0.002155	mg/L	0.04%
Mn 257.610	34713.6	0.510384	0.0000714	mg/L	0.01%
Mo 202.031	318.0	0.507080	0.0206239	mg/L	4.07%
Na 589.594	72516.9	5.07513	0.027249	mg/L	0.54%
Ni 231.603	875.6	0.508123	0.0022243	mg/L	0.44%
Pb 220.353	127.2	0.511352	0.0279467	mg/L	5.47%
Sb 206.831	465.5	2.52817	0.040197	mg/L	1.59%
Se 196.026	380.8	2.49107	0.017138	mg/L	0.69%
Si 251.611	25780.1	3.50612	0.195452	mg/L	5.57%
*QC exceeds upper limit for Si 251.611		Recovery = 140.24%		Action = Continue	
Sn 189.933	232.4	2.52750	0.038143	mg/L	1.51%
Sr 407.771	655481.5	0.507766	0.0021394	mg/L	0.42%
Ti 334.941	44486.9	0.507278	0.0004303	mg/L	0.08%
Tl 190.800	398.0	2.53092	0.033088	mg/L	1.31%
V 292.402	6856.8	0.509288	0.0043431	mg/L	0.85%
Zn 206.200	1025.8	0.505028	0.0052989	mg/L	1.05%

Replicate Data

ID: 0A21015-CCB Date: 1/21/10 12:12:52 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	391199.8	391199.8	100.3	mg/L		
1	Y 360.064	237838.9	237838.9	100.5	mg/L		
1	Ag 328.068	-12.2	-12.2	-0.0012250	mg/L		
1	Al 396.140	73.9	73.7	-0.0193135	mg/L		
1	As 188.979	12.4	12.4	0.0670922	mg/L		
1	B 249.773	171.3	170.8	0.0037682	mg/L		
1	Ba 455.403	8367.0	8340.9	-0.0019151	mg/L		
1	Be 234.861	90.7	90.4	-0.0000999	mg/L		
1	Ca 315.887	-223.2	-222.5	-0.0278729	mg/L		
1	Cd 214.438	62.8	62.6	0.0006891	mg/L		
1	Ce 413.765	-165.0	-164.5	-0.0038432	mg/L		
1	Co 228.616	-17.5	-17.5	-0.0041313	mg/L		
1	Cr 205.560	51.8	51.6	0.0034796	mg/L		
1	Cu 327.394	-109.3	-109.0	-0.0091568	mg/L		
1	Fe 238.204	128.0	127.6	0.0008756	mg/L		
1	K 766.514	2238.0	2231.0	-0.0124919	mg/L		
1	Li 670.781	325.8	324.8	-0.0020644	mg/L		
1	Mg 279.074	7.6	7.6	-0.0206448	mg/L		
1	Mn 257.610	-212.5	-211.9	-0.0026072	mg/L		
1	Mo 202.031	5.3	5.3	0.0007327	mg/L		
1	Na 589.594	2667.1	2658.8	-0.0290626	mg/L		
1	Ni 231.603	70.3	70.1	0.0005609	mg/L		
1	Pb 220.353	-0.7	-0.7	-0.0092912	mg/L		
1	Sb 206.831	1.0	1.0	-0.0296631	mg/L		
1	Se 196.026	71.9	71.7	-0.0234527	mg/L		
1	Si 251.611	7101.9	7079.8	-0.139983	mg/L		
1	Sn 189.933	-1.8	-1.8	0.0184918	mg/L		
1	Sr 407.771	934.9	931.9	-0.0019518	mg/L		
1	Ti 334.941	1726.5	1721.1	-0.0020541	mg/L		
1	Tl 190.800	22.3	22.3	0.0466956	mg/L		
1	V 292.402	-274.7	-273.9	0.0007694	mg/L		
1	Zn 206.200	8.1	8.0	0.0019057	mg/L		
2	Sc 357.253	392290.2	392290.2	100.6	mg/L		
2	Y 360.064	238544.0	238544.0	100.8	mg/L		
2	Ag 328.068	-8.2	-8.2	-0.0010517	mg/L		
2	Al 396.140	47.9	47.7	-0.0231151	mg/L		

2 As 188.979	10.9	10.8	0.0574666	mg/L
2 B 249.773	144.8	144.0	0.0008586	mg/L
2 Ba 455.403	8451.7	8402.0	-0.0018076	mg/L
2 Be 234.861	82.0	81.5	-0.0002107	mg/L
2 Ca 315.887	-148.1	-147.2	-0.0196466	mg/L
2 Cd 214.438	53.7	53.4	-0.0008609	mg/L
2 Ce 413.765	-162.9	-162.0	-0.0034269	mg/L
2 Co 228.616	-2.4	-2.4	0.0009239	mg/L
2 Cr 205.560	52.4	52.1	0.0038782	mg/L
2 Cu 327.394	-36.6	-36.4	-0.0036805	mg/L
2 Fe 238.204	124.3	123.6	0.0003807	mg/L
2 K 766.514	2204.5	2191.5	-0.0256744	mg/L
2 Li 670.781	446.5	443.8	-0.0012535	mg/L
2 Mg 279.074	-51.0	-50.7	-0.0715649	mg/L
2 Mn 257.610	-179.4	-178.3	-0.0021149	mg/L
2 Mo 202.031	15.8	15.7	0.0175902	mg/L
2 Na 589.594	2778.8	2762.5	-0.0214815	mg/L
2 Ni 231.603	60.8	60.5	-0.0055239	mg/L
2 Pb 220.353	-0.6	-0.6	-0.0088125	mg/L
2 Sb 206.831	4.9	4.8	-0.0084302	mg/L
2 Se 196.026	80.0	79.6	0.0404708	mg/L
2 Si 251.611	6222.2	6185.6	-0.314333	mg/L
2 Sn 189.933	-2.3	-2.3	0.0127313	mg/L
2 Sr 407.771	980.7	974.9	-0.0019183	mg/L
2 Ti 334.941	1893.4	1882.3	-0.0001347	mg/L
2 Tl 190.800	14.5	14.4	-0.0056165	mg/L
2 V 292.402	-234.7	-233.3	0.0036624	mg/L
2 Zn 206.200	-3.5	-3.4	-0.0037765	mg/L

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

ID: 0A21015-CCB Seq. No.: 8 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: 1/21/10 12:12:52 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Sc 357.253	391745.0	100.5	0.20	mg/L				0.20%
Y 360.064	238191.5	100.7	0.21	mg/L				0.21%
Ag 328.068	-10.2	-0.0011384	0.00012254	mg/L				10.76%
Al 396.140	60.7	-0.0212143	0.00268815	mg/L				12.67%
As 188.979	11.6	0.0622794	0.00680633	mg/L				10.93%
B 249.773	157.4	0.0023134	0.00205739	mg/L				88.93%
Ba 455.403	8371.5	-0.0018614	0.00007604	mg/L				4.09%
Be 234.861	85.9	-0.0001553	0.00007831	mg/L				50.43%
Ca 315.887	-184.9	-0.0237598	0.00581686	mg/L				24.48%
Cd 214.438	58.0	-0.0000859	0.00109607	mg/L				>999.9%
Ce 413.765	-163.2	-0.0036350	0.00029437	mg/L				8.10%
Co 228.616	-9.9	-0.0016037	0.00357457	mg/L				222.90%
Cr 205.560	51.8	0.0036789	0.00028185	mg/L				7.66%
Cu 327.394	-72.7	-0.0064186	0.00387234	mg/L				60.33%
Fe 238.204	125.6	0.0006282	0.00034994	mg/L				55.71%
K 766.514	2211.3	-0.0190832	0.00932144	mg/L				48.85%
Li 670.781	384.3	-0.0016589	0.00057341	mg/L				34.56%
Mg 279.074	-21.5	-0.0461048	0.03600597	mg/L				78.10%
Mn 257.610	-195.1	-0.0023610	0.00034812	mg/L				14.74%
Mo 202.031	10.5	0.0091614	0.01192002	mg/L				130.11%
Na 589.594	2710.6	-0.0252721	0.00536059	mg/L				21.21%
Ni 231.603	65.3	-0.0024815	0.00430262	mg/L				173.39%
Pb 220.353	-0.7	-0.0090518	0.00033849	mg/L				3.74%
Sb 206.831	2.9	-0.0190466	0.01501396	mg/L				78.83%
Se 196.026	75.6	0.0085090	0.04520075	mg/L				531.21%
Si 251.611	6632.7	-0.227158	0.1232843	mg/L				54.27%
Sn 189.933	-2.0	0.0156115	0.00407330	mg/L				26.09%
Sr 407.771	953.4	-0.0019351	0.00002365	mg/L				1.22%
Ti 334.941	1801.7	-0.0010944	0.00135726	mg/L				124.02%
Tl 190.800	18.3	0.0205396	0.03699022	mg/L				180.09%
V 292.402	-253.6	0.0022159	0.00204568	mg/L				92.32%
Zn 206.200	2.3	-0.0009354	0.00401788	mg/L				429.54%

Calibration Summary

Method: SOIL_6010C_101 Date: 1/21/10 12:37:58 PM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
Ag 328.068	4	Linear	16.1	23081.1	0.00000	0.999973
Al 396.140	4	Linear	206.0	6851.3	0.00000	0.999976
As 188.979	4	Linear	1.7	159.5	0.00000	0.999965
B 249.773	3	Linear	136.1	9219.3	0.00000	0.999964
Ba 455.403	4	Linear	9428.5	567890.5	0.00000	0.999989
Be 234.861	4	Linear	98.4	80353.6	0.00000	0.999957
Ca 315.887	4	Linear	32.8	9159.7	0.00000	0.999964
Cd 214.438	4	Linear	58.5	5962.5	0.00000	0.999975
Ce 413.765	1	Linear	-141.2	6051.3	0.00000	1.000000
Co 228.616	4	Linear	-5.2	2980.7	0.00000	0.999976
Cr 205.560	4	Linear	48.1	1025.2	0.00000	0.999852
Cu 327.394	4	Linear	12.3	13246.9	0.00000	0.999949
Fe 238.204	4	Linear	120.5	8167.6	0.00000	0.999978
K 766.514	4	Linear	2268.5	2998.8	0.00000	0.999975
Li 670.781	4	Linear	627.9	146815.0	0.00000	0.999990
Mg 279.074	4	Linear	31.2	1143.4	0.00000	0.999976
Mn 257.610	4	Linear	-34.4	68082.0	0.00000	0.999970
Mo 202.031	3	Linear	4.8	617.6	0.00000	0.999968
Na 589.594	4	Linear	3056.4	13683.4	0.00000	0.999993
Ni 231.603	4	Linear	69.2	1587.0	0.00000	0.999954
Pb 220.353	4	Linear	1.6	245.8	0.00000	0.999766
Sb 206.831	4	Linear	6.4	181.6	0.00000	0.999985
Se 196.026	4	Linear	74.6	122.9	0.00000	0.999953
Si 251.611	4	Linear	7797.7	5128.8	0.00000	0.999994
Sn 189.933	4	Linear	-3.5	93.3	0.00000	0.999973
Sr 407.771	4	Linear	3438.3	1284141.1	0.00000	0.999989
Ti 334.941	3	Linear	1893.6	83964.4	0.00000	0.999995
Tl 190.800	4	Linear	15.2	151.2	0.00000	0.999991
V 292.402	4	Linear	-284.7	14022.6	0.00000	0.999974
Zn 206.200	4	Linear	4.2	2022.8	0.00000	0.999977

Method: SOIL_6010C_101 IEC: IEC-35.IEC MSF:
Results: 0A21015 Spectra Stored: Yes Method Stored: Yes
Sample Info: 0a21015 User: User1 Date: 1/21/10 12:37:58 PM
Method Description: Solid 6010C

Replicate Data

ID: BLK 1-19 Date: 1/21/10 12:39:29 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	401597.8	401597.8	103.0	mg/L		
1	Y 360.064	244680.3	244680.3	103.4	mg/L		
1	Ag 328.068	-16.3	-15.9	-0.0013853	mg/L	-0.0013853	mg/L
1	Al 396.140	41.0	39.9	-0.0242552	mg/L	-0.0242552	mg/L
1	As 188.979	5.7	5.6	0.0243233	mg/L	0.0243233	mg/L
1	B 249.773	95.8	93.0	-0.0046720	mg/L	-0.0046720	mg/L
1	Ba 455.403	8493.4	8247.8	-0.0020791	mg/L	-0.0020791	mg/L
1	Be 234.861	97.5	94.7	-0.0000469	mg/L	-0.0000469	mg/L
1	Ca 315.887	410.9	399.0	0.0399879	mg/L	0.0399879	mg/L
1	Cd 214.438	49.2	47.7	-0.0018060	mg/L	-0.0018060	mg/L
1	Ce 413.765	-205.9	-200.0	-0.0097097	mg/L	-0.0097097	mg/L
1	Co 228.616	-4.2	-4.0	0.0003796	mg/L	0.0003796	mg/L
1	Cr 205.560	42.9	41.6	-0.0062675	mg/L	-0.0062675	mg/L
1	Cu 327.394	-31.5	-30.6	-0.0032397	mg/L	-0.0032397	mg/L
1	Fe 238.204	111.2	108.0	-0.0015250	mg/L	-0.0015250	mg/L
1	K 766.514	2283.0	2217.0	-0.0171647	mg/L	-0.0171647	mg/L
1	Li 670.781	460.3	447.0	-0.0012317	mg/L	-0.0012317	mg/L
1	Mg 279.074	36.6	35.5	0.0038049	mg/L	0.0038049	mg/L
1	Mn 257.610	-181.3	-176.0	-0.0020809	mg/L	-0.0020809	mg/L
1	Mo 202.031	0.8	0.8	-0.0065469	mg/L	-0.0065469	mg/L
1	Na 589.594	2901.4	2817.5	-0.0174646	mg/L	-0.0174646	mg/L
1	Ni 231.603	83.0	80.6	0.0071580	mg/L	0.0071580	mg/L

1	Pb 220.353	-7.8	-7.6	-0.0373716 mg/L	-0.0373716 mg/L
1	Sb 206.831	1.1	1.1	-0.0289863 mg/L	-0.0289863 mg/L
1	Se 196.026	71.2	69.2	-0.0440732 mg/L	-0.0440732 mg/L
1	Si 251.611	12585.3	12221.3	0.862482 mg/L	0.862482 mg/L
1	Sn 189.933	-0.9	-0.9	0.0277122 mg/L	0.0277122 mg/L
1	Sr 407.771	704.6	684.3	-0.0021447 mg/L	-0.0021447 mg/L
1	Ti 334.941	1716.7	1667.0	-0.0026981 mg/L	-0.0026981 mg/L
1	Tl 190.800	26.5	25.7	0.0694009 mg/L	0.0694009 mg/L
1	V 292.402	-319.8	-310.5	-0.0018444 mg/L	-0.0018444 mg/L
1	Zn 206.200	25.9	25.2	0.0103770 mg/L	0.0103770 mg/L
2	Sc 357.253	405100.1	405100.1	103.9 mg/L	
2	Y 360.064	246902.5	246902.5	104.3 mg/L	
2	Ag 328.068	9.6	9.3	-0.0002960 mg/L	-0.0002960 mg/L
2	Al 396.140	-90.9	-87.5	-0.0428507 mg/L	-0.0428507 mg/L
2	As 188.979	3.0	2.9	0.0073175 mg/L	0.0073175 mg/L
2	B 249.773	94.3	90.8	-0.0049089 mg/L	-0.0049089 mg/L
2	Ba 455.403	8566.2	8246.5	-0.0020814 mg/L	-0.0020814 mg/L
2	Be 234.861	74.2	71.5	-0.0003355 mg/L	-0.0003355 mg/L
2	Ca 315.887	356.3	343.0	0.0338648 mg/L	0.0338648 mg/L
2	Cd 214.438	43.6	41.9	-0.0027782 mg/L	-0.0027782 mg/L
2	Ce 413.765	-231.5	-222.8	-0.0134825 mg/L	-0.0134825 mg/L
2	Co 228.616	-17.0	-16.4	-0.0037646 mg/L	-0.0037646 mg/L
2	Cr 205.560	31.2	30.0	-0.0176316 mg/L	-0.0176316 mg/L
2	Cu 327.394	-53.6	-51.6	-0.0048255 mg/L	-0.0048255 mg/L
2	Fe 238.204	120.9	116.4	-0.0005030 mg/L	-0.0005030 mg/L
2	K 766.514	2176.6	2095.4	-0.0577120 mg/L	-0.0577120 mg/L
2	Li 670.781	320.5	308.5	-0.0021753 mg/L	-0.0021753 mg/L
2	Mg 279.074	-51.0	-49.1	-0.0701637 mg/L	-0.0701637 mg/L
2	Mn 257.610	-172.6	-166.1	-0.0019354 mg/L	-0.0019354 mg/L
2	Mo 202.031	6.8	6.6	0.0028496 mg/L	0.0028496 mg/L
2	Na 589.594	2869.7	2762.7	-0.0214695 mg/L	-0.0214695 mg/L
2	Ni 231.603	71.1	68.4	-0.0004993 mg/L	-0.0004993 mg/L
2	Pb 220.353	-10.3	-9.9	-0.0467101 mg/L	-0.0467101 mg/L
2	Sb 206.831	-2.4	-2.3	-0.0479069 mg/L	-0.0479069 mg/L
2	Se 196.026	68.7	66.1	-0.0687734 mg/L	-0.0687734 mg/L
2	Si 251.611	12308.6	11849.3	0.789959 mg/L	0.789959 mg/L
2	Sn 189.933	-2.0	-2.0	0.0164959 mg/L	0.0164959 mg/L
2	Sr 407.771	628.9	605.4	-0.0022060 mg/L	-0.0022060 mg/L
2	Ti 334.941	1769.4	1703.4	-0.0022655 mg/L	-0.0022655 mg/L
2	Tl 190.800	16.7	16.1	0.0056459 mg/L	0.0056459 mg/L
2	V 292.402	-344.1	-331.3	-0.0033230 mg/L	-0.0033230 mg/L
2	Zn 206.200	24.5	23.6	0.0095714 mg/L	0.0095714 mg/L

Mean Data

ID: BLK 1-19 Seq. No.: 1 Sample No.: 1 A/S Pos: 41
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/21/10 12:39:29 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	403348.9	103.4	0.64	mg/L				0.61%
Y 360.064	245791.4	103.9	0.66	mg/L				0.64%
Ag 328.068	-3.3	-0.0008407	0.00077024	mg/L	-0.0008407	0.00077024	mg/L	91.62%
Al 396.140	-23.8	-0.0335529	0.01314894	mg/L	-0.0335529	0.01314894	mg/L	39.19%
As 188.979	4.2	0.0158204	0.01202493	mg/L	0.0158204	0.01202493	mg/L	76.01%
B 249.773	91.9	-0.0047905	0.00016746	mg/L	-0.0047905	0.00016746	mg/L	3.50%
Ba 455.403	8247.1	-0.0020803	0.00000162	mg/L	-0.0020803	0.00000162	mg/L	0.08%
Be 234.861	83.1	-0.0001912	0.00020405	mg/L	-0.0001912	0.00020405	mg/L	106.73%
Ca 315.887	371.0	0.0369264	0.00432967	mg/L	0.0369264	0.00432967	mg/L	11.73%
Cd 214.438	44.8	-0.0022921	0.00068744	mg/L	-0.0022921	0.00068744	mg/L	29.99%
Ce 413.765	-211.4	-0.0115961	0.00266779	mg/L	-0.0115961	0.00266779	mg/L	23.01%
Co 228.616	-10.2	-0.0016925	0.00293042	mg/L	-0.0016925	0.00293042	mg/L	173.14%
Cr 205.560	35.8	-0.0119495	0.00803566	mg/L	-0.0119495	0.00803566	mg/L	67.25%
Cu 327.394	-41.1	-0.0040326	0.00112138	mg/L	-0.0040326	0.00112138	mg/L	27.81%
Fe 238.204	112.2	-0.0010140	0.00072269	mg/L	-0.0010140	0.00072269	mg/L	71.27%
K 766.514	2156.2	-0.0374383	0.02867126	mg/L	-0.0374383	0.02867126	mg/L	76.58%
Li 670.781	377.8	-0.0017035	0.00066721	mg/L	-0.0017035	0.00066721	mg/L	39.17%
Mg 279.074	-6.8	-0.0331794	0.05230371	mg/L	-0.0331794	0.05230371	mg/L	157.64%
Mn 257.610	-171.1	-0.0020082	0.00010289	mg/L	-0.0020082	0.00010289	mg/L	5.12%
Mo 202.031	3.7	-0.0018486	0.00664431	mg/L	-0.0018486	0.00664431	mg/L	359.42%
Na 589.594	2790.1	-0.0194671	0.00283189	mg/L	-0.0194671	0.00283189	mg/L	14.55%

Ni 231.603	74.5	0.0033293	0.00541450 mg/L	0.0033293	0.00541450 mg/L	162.63%
Pb 220.353	-8.8	-0.0420409	0.00660337 mg/L	-0.0420409	0.00660337 mg/L	15.71%
Sb 206.831	-0.6	-0.0384466	0.01337886 mg/L	-0.0384466	0.01337886 mg/L	34.80%
Se 196.026	67.7	-0.0564233	0.01746563 mg/L	-0.0564233	0.01746563 mg/L	30.95%
Si 251.611	12035.3	0.826220	0.0512816 mg/L	0.826220	0.0512816 mg/L	6.21%
Sn 189.933	-1.4	0.0221041	0.00793114 mg/L	0.0221041	0.00793114 mg/L	35.88%
Sr 407.771	644.9	-0.0021754	0.00004340 mg/L	-0.0021754	0.00004340 mg/L	2.00%
Ti 334.941	1685.2	-0.0024818	0.00030591 mg/L	-0.0024818	0.00030591 mg/L	12.33%
Tl 190.800	20.9	0.0375234	0.04508161 mg/L	0.0375234	0.04508161 mg/L	120.14%
V 292.402	-320.9	-0.0025837	0.00104554 mg/L	-0.0025837	0.00104554 mg/L	40.47%
Zn 206.200	24.4	0.0099742	0.00056968 mg/L	0.0099742	0.00056968 mg/L	5.71%

Replicate Data

ID: BS Date: 1/21/10 12:42:48 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	427132.9	427132.9	109.5	mg/L		
1	Y 360.064	261134.3	261134.3	110.3	mg/L		
1	Ag 328.068	5607.5	5119.8	0.221120	mg/L	0.221120	mg/L
1	Al 396.140	8474.9	7737.8	1.09932	mg/L	1.09932	mg/L
1	As 188.979	207.0	189.0	1.17447	mg/L	1.17447	mg/L
1	B 249.773	2342.8	2139.0	0.217253	mg/L	0.217253	mg/L
1	Ba 455.403	149780.2	136752.9	0.224206	mg/L	0.224206	mg/L
1	Be 234.861	2092.1	1910.1	0.0225463	mg/L	0.0225463	mg/L
1	Ca 315.887	113644.0	103759.7	11.3244	mg/L	11.3244	mg/L
1	Cd 214.438	1541.5	1407.4	0.226237	mg/L	0.226237	mg/L
1	Ce 413.765	-99.1	-90.5	0.0083892	mg/L	0.0083892	mg/L
1	Co 228.616	737.6	673.4	0.227668	mg/L	0.227668	mg/L
1	Cr 205.560	312.3	285.2	0.231267	mg/L	0.231267	mg/L
1	Cu 327.394	3261.1	2977.5	0.223836	mg/L	0.223836	mg/L
1	Fe 238.204	2128.3	1943.2	0.223162	mg/L	0.223162	mg/L
1	K 766.514	39663.8	36214.0	11.3210	mg/L	11.3210	mg/L
1	Li 670.781	37062.8	33839.3	0.226213	mg/L	0.226213	mg/L
1	Mg 279.074	14228.3	12990.8	11.3351	mg/L	11.3351	mg/L
1	Mn 257.610	16854.3	15388.4	0.226532	mg/L	0.226532	mg/L
1	Mo 202.031	166.2	151.8	0.237924	mg/L	0.237924	mg/L
1	Na 589.594	173455.4	158369.0	11.3512	mg/L	11.3512	mg/L
1	Ni 231.603	474.4	433.1	0.229297	mg/L	0.229297	mg/L
1	Pb 220.353	57.5	52.5	0.207059	mg/L	0.207059	mg/L
1	Sb 206.831	225.7	206.1	1.09991	mg/L	1.09991	mg/L
1	Se 196.026	236.2	215.7	1.14768	mg/L	1.14768	mg/L
1	Si 251.611	18113.7	16538.2	1.70419	mg/L	1.70419	mg/L
1	Sn 189.933	111.7	102.0	1.13010	mg/L	1.13010	mg/L
1	Sr 407.771	321593.1	293622.3	0.225975	mg/L	0.225975	mg/L
1	Ti 334.941	23088.3	21080.2	0.228509	mg/L	0.228509	mg/L
1	Tl 190.800	207.4	189.4	1.15161	mg/L	1.15161	mg/L
1	V 292.402	3260.6	2977.0	0.232607	mg/L	0.232607	mg/L
1	Zn 206.200	511.4	466.9	0.228765	mg/L	0.228765	mg/L
2	Sc 357.253	426891.8	426891.8	109.5	mg/L		
2	Y 360.064	261155.3	261155.3	110.4	mg/L		
2	Ag 328.068	5596.5	5112.6	0.220810	mg/L	0.220810	mg/L
2	Al 396.140	8407.2	7680.3	1.09093	mg/L	1.09093	mg/L
2	As 188.979	202.2	184.7	1.14777	mg/L	1.14777	mg/L
2	B 249.773	2375.5	2170.2	0.220633	mg/L	0.220633	mg/L
2	Ba 455.403	150675.0	137647.6	0.225781	mg/L	0.225781	mg/L
2	Be 234.861	2084.4	1904.2	0.0224728	mg/L	0.0224728	mg/L
2	Ca 315.887	114634.9	104723.6	11.4297	mg/L	11.4297	mg/L
2	Cd 214.438	1543.6	1410.2	0.226692	mg/L	0.226692	mg/L
2	Ce 413.765	-116.4	-106.4	0.0057610	mg/L	0.0057610	mg/L
2	Co 228.616	728.2	665.3	0.224928	mg/L	0.224928	mg/L
2	Cr 205.560	304.8	278.5	0.224733	mg/L	0.224733	mg/L
2	Cu 327.394	3368.5	3077.2	0.231368	mg/L	0.231368	mg/L
2	Fe 238.204	2152.8	1966.7	0.226041	mg/L	0.226041	mg/L
2	K 766.514	39851.6	36406.1	11.3851	mg/L	11.3851	mg/L
2	Li 670.781	37159.1	33946.3	0.226942	mg/L	0.226942	mg/L
2	Mg 279.074	14348.6	13108.1	11.4377	mg/L	11.4377	mg/L
2	Mn 257.610	16941.7	15476.9	0.227832	mg/L	0.227832	mg/L
2	Mo 202.031	159.4	145.6	0.228004	mg/L	0.228004	mg/L
2	Na 589.594	174618.0	159520.5	11.4354	mg/L	11.4354	mg/L

2 Ni 231.603	465.6	425.3	0.224368 mg/L	0.224368 mg/L
2 Pb 220.353	63.9	58.3	0.231022 mg/L	0.231022 mg/L
2 Sb 206.831	236.9	216.4	1.15683 mg/L	1.15683 mg/L
2 Se 196.026	235.9	215.5	1.14635 mg/L	1.14635 mg/L
2 Si 251.611	17523.0	16007.9	1.60079 mg/L	1.60079 mg/L
2 Sn 189.933	114.8	104.9	1.16124 mg/L	1.16124 mg/L
2 Sr 407.771	324041.2	296024.5	0.227846 mg/L	0.227846 mg/L
2 Ti 334.941	23202.0	21196.0	0.229888 mg/L	0.229888 mg/L
2 Tl 190.800	206.1	188.3	1.14432 mg/L	1.14432 mg/L
2 V 292.402	3198.3	2921.8	0.228666 mg/L	0.228666 mg/L
2 Zn 206.200	498.4	455.3	0.223014 mg/L	0.223014 mg/L

Mean Data

ID: BS Seq. No.: 2 Sample No.: 2 A/S Pos: 42
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/21/10 12:42:48 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	427012.4	109.5	0.04	mg/L				0.04%
Y 360.064	261144.8	110.4	0.01	mg/L				0.01%
Ag 328.068	5116.2	0.220965	0.0002192	mg/L	0.220965	0.0002192	mg/L	0.10%
Al 396.140	7709.1	1.09513	0.005931	mg/L	1.09513	0.005931	mg/L	0.54%
As 188.979	186.8	1.16112	0.018883	mg/L	1.16112	0.018883	mg/L	1.63%
B 249.773	2154.6	0.218943	0.0023897	mg/L	0.218943	0.0023897	mg/L	1.09%
Ba 455.403	137200.3	0.224994	0.0011141	mg/L	0.224994	0.0011141	mg/L	0.50%
Be 234.861	1907.1	0.0225096	0.00005198	mg/L	0.0225096	0.00005198	mg/L	0.23%
Ca 315.887	104241.6	11.3771	0.07444	mg/L	11.3771	0.07444	mg/L	0.65%
Cd 214.438	1408.8	0.226465	0.0003220	mg/L	0.226465	0.0003220	mg/L	0.14%
Ce 413.765	-98.4	0.0070751	0.00185845	mg/L	0.0070751	0.00185845	mg/L	26.27%
Co 228.616	669.4	0.226298	0.0019376	mg/L	0.226298	0.0019376	mg/L	0.86%
Cr 205.560	281.8	0.228000	0.0046202	mg/L	0.228000	0.0046202	mg/L	2.03%
Cu 327.394	3027.4	0.227602	0.0053257	mg/L	0.227602	0.0053257	mg/L	2.34%
Fe 238.204	1954.9	0.224602	0.0020357	mg/L	0.224602	0.0020357	mg/L	0.91%
K 766.514	36310.1	11.3530	0.04529	mg/L	11.3530	0.04529	mg/L	0.40%
Li 670.781	33892.8	0.226577	0.0005158	mg/L	0.226577	0.0005158	mg/L	0.23%
Mg 279.074	13049.4	11.3864	0.07251	mg/L	11.3864	0.07251	mg/L	0.64%
Mn 257.610	15432.7	0.227182	0.0009191	mg/L	0.227182	0.0009191	mg/L	0.40%
Mo 202.031	148.7	0.232964	0.0070144	mg/L	0.232964	0.0070144	mg/L	3.01%
Na 589.594	158944.8	11.3933	0.05953	mg/L	11.3933	0.05953	mg/L	0.52%
Ni 231.603	429.2	0.226833	0.0034858	mg/L	0.226833	0.0034858	mg/L	1.54%
Pb 220.353	55.4	0.219040	0.0169450	mg/L	0.219040	0.0169450	mg/L	7.74%
Sb 206.831	211.3	1.12837	0.040242	mg/L	1.12837	0.040242	mg/L	3.57%
Se 196.026	215.6	1.14701	0.000944	mg/L	1.14701	0.000944	mg/L	0.08%
Si 251.611	16273.1	1.65249	0.073113	mg/L	1.65249	0.073113	mg/L	4.42%
Sn 189.933	103.4	1.14567	0.022016	mg/L	1.14567	0.022016	mg/L	1.92%
Sr 407.771	294823.4	0.226911	0.0013228	mg/L	0.226911	0.0013228	mg/L	0.58%
Ti 334.941	21138.1	0.229198	0.0009753	mg/L	0.229198	0.0009753	mg/L	0.43%
Tl 190.800	188.8	1.14797	0.005159	mg/L	1.14797	0.005159	mg/L	0.45%
V 292.402	2949.4	0.230636	0.0027867	mg/L	0.230636	0.0027867	mg/L	1.21%
Zn 206.200	461.1	0.225889	0.0040669	mg/L	0.225889	0.0040669	mg/L	1.80%

Replicate Data

ID: MDL1 Date: 1/21/10 12:46:06 PM

Repl# Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1 Sc 357.253	400427.7	400427.7	102.7	mg/L		
1 Y 360.064	243840.8	243840.8	103.0	mg/L		
1 Ag 328.068	107.5	104.7	0.0038370	mg/L	0.0038370	mg/L
1 Al 396.140	56.7	55.2	-0.0220154	mg/L	-0.0220154	mg/L
1 As 188.979	3.0	2.9	0.0075277	mg/L	0.0075277	mg/L
1 B 249.773	123.7	120.5	-0.0016900	mg/L	-0.0016900	mg/L
1 Ba 455.403	9817.4	9561.3	0.0002338	mg/L	0.0002338	mg/L
1 Be 234.861	75.3	73.3	-0.0003121	mg/L	-0.0003121	mg/L
1 Ca 315.887	482.0	469.4	0.0476719	mg/L	0.0476719	mg/L
1 Cd 214.438	69.0	67.2	0.0014527	mg/L	0.0014527	mg/L
1 Ce 413.765	-190.7	-185.8	-0.0073590	mg/L	-0.0073590	mg/L
1 Co 228.616	-12.3	-12.0	-0.0022987	mg/L	-0.0022987	mg/L
1 Cr 205.560	40.5	39.5	-0.0083926	mg/L	-0.0083926	mg/L
1 Cu 327.394	-31.7	-30.9	-0.0032615	mg/L	-0.0032615	mg/L

1	Fe 238.204	217.8	212.2	0.0112245 mg/L	0.0112245 mg/L
1	K 766.514	2312.7	2252.3	-0.0053857 mg/L	-0.0053857 mg/L
1	Li 670.781	281.4	274.1	-0.0024095 mg/L	-0.0024095 mg/L
1	Mg 279.074	-41.0	-39.9	-0.0621388 mg/L	-0.0621388 mg/L
1	Mn 257.610	-180.8	-176.1	-0.0020820 mg/L	-0.0020820 mg/L
1	Mo 202.031	14.1	13.8	0.0145107 mg/L	0.0145107 mg/L
1	Na 589.594	4828.0	4702.1	0.120269 mg/L	0.120269 mg/L
1	Ni 231.603	78.8	76.8	0.0047498 mg/L	0.0047498 mg/L
1	Pb 220.353	0.6	0.6	-0.0039223 mg/L	-0.0039223 mg/L
1	Sb 206.831	7.3	7.1	0.0041806 mg/L	0.0041806 mg/L
1	Se 196.026	73.9	71.9	-0.0216563 mg/L	-0.0216563 mg/L
1	Si 251.611	10680.2	10401.6	0.507692 mg/L	0.507692 mg/L
1	Sn 189.933	4.4	4.2	0.0829688 mg/L	0.0829688 mg/L
1	Sr 407.771	4101.6	3994.7	0.0004332 mg/L	0.0004332 mg/L
1	Ti 334.941	1852.0	1803.7	-0.0010703 mg/L	-0.0010703 mg/L
1	Tl 190.800	31.2	30.4	0.100479 mg/L	0.100479 mg/L
1	V 292.402	-215.2	-209.5	0.0053586 mg/L	0.0053586 mg/L
1	Zn 206.200	43.0	41.9	0.0186347 mg/L	0.0186347 mg/L
2	Sc 357.253	404577.3	404577.3	103.7 mg/L	
2	Y 360.064	246867.6	246867.6	104.3 mg/L	
2	Ag 328.068	-98.8	-95.2	-0.0048228 mg/L	-0.0048228 mg/L
2	Al 396.140	-51.5	-49.6	-0.0373129 mg/L	-0.0373129 mg/L
2	As 188.979	6.9	6.6	0.0310661 mg/L	0.0310661 mg/L
2	B 249.773	136.4	131.4	-0.0005018 mg/L	-0.0005018 mg/L
2	Ba 455.403	9825.2	9470.7	0.0000743 mg/L	0.0000743 mg/L
2	Be 234.861	86.2	83.1	-0.0001912 mg/L	-0.0001912 mg/L
2	Ca 315.887	487.9	470.3	0.0477681 mg/L	0.0477681 mg/L
2	Cd 214.438	79.0	76.1	0.0029515 mg/L	0.0029515 mg/L
2	Ce 413.765	-126.0	-121.4	0.0032731 mg/L	0.0032731 mg/L
2	Co 228.616	-8.6	-8.3	-0.0010414 mg/L	-0.0010414 mg/L
2	Cr 205.560	50.1	48.3	0.0002040 mg/L	0.0002040 mg/L
2	Cu 327.394	-26.5	-25.5	-0.0028600 mg/L	-0.0028600 mg/L
2	Fe 238.204	200.5	193.2	0.0089075 mg/L	0.0089075 mg/L
2	K 766.514	2157.7	2079.9	-0.0628886 mg/L	-0.0628886 mg/L
2	Li 670.781	224.5	216.4	-0.0028023 mg/L	-0.0028023 mg/L
2	Mg 279.074	-24.4	-23.5	-0.0478501 mg/L	-0.0478501 mg/L
2	Mn 257.610	-192.2	-185.3	-0.0022166 mg/L	-0.0022166 mg/L
2	Mo 202.031	18.2	17.6	0.0206527 mg/L	0.0206527 mg/L
2	Na 589.594	5100.4	4916.4	0.135929 mg/L	0.135929 mg/L
2	Ni 231.603	86.3	83.1	0.0087648 mg/L	0.0087648 mg/L
2	Pb 220.353	-6.0	-5.8	-0.0300718 mg/L	-0.0300718 mg/L
2	Sb 206.831	2.7	2.6	-0.0207686 mg/L	-0.0207686 mg/L
2	Se 196.026	83.7	80.7	0.0495897 mg/L	0.0495897 mg/L
2	Si 251.611	8983.0	8658.9	0.167914 mg/L	0.167914 mg/L
2	Sn 189.933	1.6	1.6	0.0544145 mg/L	0.0544145 mg/L
2	Sr 407.771	3986.0	3842.2	0.0003145 mg/L	0.0003145 mg/L
2	Ti 334.941	1808.1	1742.9	-0.0017950 mg/L	-0.0017950 mg/L
2	Tl 190.800	28.4	27.4	0.0803242 mg/L	0.0803242 mg/L
2	V 292.402	-169.6	-163.5	0.0086406 mg/L	0.0086406 mg/L
2	Zn 206.200	40.0	38.6	0.0169916 mg/L	0.0169916 mg/L

Mean Data

ID: MDL1 Seq. No.: 3 Sample No.: 3 A/S Pos: 43
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/21/10 12:46:06 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Sample Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	402502.5	103.2	0.75	mg/L				0.73%
Y 360.064	245354.2	103.7	0.90	mg/L				0.87%
Ag 328.068	4.7	-0.0004929	0.00612340	mg/L	-0.0004929	0.00612340	mg/L	>999.9%
Al 396.140	2.8	-0.0296642	0.01081692	mg/L	-0.0296642	0.01081692	mg/L	36.46%
As 188.979	4.8	0.0192969	0.01664416	mg/L	0.0192969	0.01664416	mg/L	86.25%
B 249.773	126.0	-0.0010959	0.00084019	mg/L	-0.0010959	0.00084019	mg/L	76.67%
Ba 455.403	9516.0	0.0001541	0.00011278	mg/L	0.0001541	0.00011278	mg/L	73.19%
Be 234.861	78.2	-0.0002516	0.00008549	mg/L	-0.0002516	0.00008549	mg/L	33.97%
Ca 315.887	469.9	0.0477200	0.00006805	mg/L	0.0477200	0.00006805	mg/L	0.14%
Cd 214.438	71.6	0.0022021	0.00105980	mg/L	0.0022021	0.00105980	mg/L	48.13%
Ce 413.765	-153.6	-0.0020430	0.00751801	mg/L	-0.0020430	0.00751801	mg/L	368.00%
Co 228.616	-10.1	-0.0016700	0.00088906	mg/L	-0.0016700	0.00088906	mg/L	53.24%
Cr 205.560	43.9	-0.0040943	0.00607877	mg/L	-0.0040943	0.00607877	mg/L	148.47%

Cu 327.394	-28.2	-0.0030607	0.00028389 mg/L	-0.0030607	0.00028389 mg/L	9.28%
Fe 238.204	202.7	0.0100660	0.00163832 mg/L	0.0100660	0.00163832 mg/L	16.28%
K 766.514	2166.1	-0.0341372	0.04066072 mg/L	-0.0341372	0.04066072 mg/L	119.11%
Li 670.781	245.3	-0.0026059	0.00027774 mg/L	-0.0026059	0.00027774 mg/L	10.66%
Mg 279.074	-31.7	-0.0549945	0.01010360 mg/L	-0.0549945	0.01010360 mg/L	18.37%
Mn 257.610	-180.7	-0.0021493	0.00009516 mg/L	-0.0021493	0.00009516 mg/L	4.43%
Mo 202.031	15.7	0.0175817	0.00434302 mg/L	0.0175817	0.00434302 mg/L	24.70%
Na 589.594	4809.3	0.128099	0.0110738 mg/L	0.128099	0.0110738 mg/L	8.64%
Ni 231.603	80.0	0.0067573	0.00283902 mg/L	0.0067573	0.00283902 mg/L	42.01%
Pb 220.353	-2.6	-0.0169971	0.01849051 mg/L	-0.0169971	0.01849051 mg/L	108.79%
Sb 206.831	4.9	-0.0082940	0.01764176 mg/L	-0.0082940	0.01764176 mg/L	212.70%
Se 196.026	76.3	0.0139667	0.05037854 mg/L	0.0139667	0.05037854 mg/L	360.70%
Si 251.611	9530.3	0.337803	0.2402599 mg/L	0.337803	0.2402599 mg/L	71.12%
Sn 189.933	2.9	0.0686917	0.02019095 mg/L	0.0686917	0.02019095 mg/L	29.39%
Sr 407.771	3918.4	0.0003739	0.00008395 mg/L	0.0003739	0.00008395 mg/L	22.46%
Ti 334.941	1773.3	-0.0014327	0.00051248 mg/L	-0.0014327	0.00051248 mg/L	35.77%
Tl 190.800	28.9	0.0904018	0.01425186 mg/L	0.0904018	0.01425186 mg/L	15.77%
V 292.402	-186.5	0.0069996	0.00232071 mg/L	0.0069996	0.00232071 mg/L	33.15%
Zn 206.200	40.2	0.0178131	0.00116180 mg/L	0.0178131	0.00116180 mg/L	6.52%

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

ID: MDL2 Date: 1/21/10 12:49:24 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	416282.2	416282.2	106.7	mg/L		
1	Y 360.064	254486.9	254486.9	107.5	mg/L		
1	Ag 328.068	-23.0	-21.6	-0.0016315	mg/L	-0.0016315	mg/L
1	Al 396.140	-62.6	-58.6	-0.0386261	mg/L	-0.0386261	mg/L
1	As 188.979	11.4	10.6	0.0562011	mg/L	0.0562011	mg/L
1	B 249.773	84.6	79.3	-0.0061610	mg/L	-0.0061610	mg/L
1	Ba 455.403	9447.6	8850.8	-0.0010173	mg/L	-0.0010173	mg/L
1	Be 234.861	76.1	71.3	-0.0003379	mg/L	-0.0003379	mg/L
1	Ca 315.887	657.2	615.7	0.0636421	mg/L	0.0636421	mg/L
1	Cd 214.438	79.4	74.4	0.0026654	mg/L	0.0026654	mg/L
1	Ce 413.765	-59.1	-55.4	0.0141929	mg/L	0.0141929	mg/L
1	Co 228.616	-3.9	-3.7	0.0005075	mg/L	0.0005075	mg/L
1	Cr 205.560	56.6	53.1	0.0048587	mg/L	0.0048587	mg/L
1	Cu 327.394	-61.5	-57.6	-0.0052801	mg/L	-0.0052801	mg/L
1	Fe 238.204	199.8	187.2	0.0081685	mg/L	0.0081685	mg/L
1	K 766.514	2157.4	2021.1	-0.0825036	mg/L	-0.0825036	mg/L
1	Li 670.781	348.0	326.0	-0.0020559	mg/L	-0.0020559	mg/L
1	Mg 279.074	-35.8	-33.6	-0.0566265	mg/L	-0.0566265	mg/L
1	Mn 257.610	-193.0	-180.8	-0.0021514	mg/L	-0.0021514	mg/L
1	Mo 202.031	9.2	8.6	0.0061588	mg/L	0.0061588	mg/L
1	Na 589.594	4937.0	4625.1	0.114641	mg/L	0.114641	mg/L
1	Ni 231.603	84.6	79.3	0.0063269	mg/L	0.0063269	mg/L
1	Pb 220.353	-0.8	-0.7	-0.0094173	mg/L	-0.0094173	mg/L
1	Sb 206.831	4.3	4.0	-0.0128074	mg/L	-0.0128074	mg/L
1	Se 196.026	78.1	73.2	-0.0115080	mg/L	-0.0115080	mg/L
1	Si 251.611	8846.0	8287.1	0.0954155	mg/L	0.0954155	mg/L
1	Sn 189.933	5.0	4.7	0.0878352	mg/L	0.0878352	mg/L
1	Sr 407.771	3885.6	3640.1	0.0001571	mg/L	0.0001571	mg/L
1	Ti 334.941	1723.8	1614.9	-0.0033191	mg/L	-0.0033191	mg/L
1	Tl 190.800	24.2	22.7	0.0495075	mg/L	0.0495075	mg/L
1	V 292.402	-292.9	-274.4	0.0007318	mg/L	0.0007318	mg/L
1	Zn 206.200	40.5	37.9	0.0166699	mg/L	0.0166699	mg/L
2	Sc 357.253	413276.5	413276.5	106.0	mg/L		
2	Y 360.064	252418.7	252418.7	106.7	mg/L		
2	Ag 328.068	-98.8	-93.2	-0.0047352	mg/L	-0.0047352	mg/L
2	Al 396.140	36.3	34.2	-0.0250754	mg/L	-0.0250754	mg/L
2	As 188.979	1.6	1.5	-0.0010730	mg/L	-0.0010730	mg/L
2	B 249.773	93.2	87.9	-0.0052206	mg/L	-0.0052206	mg/L
2	Ba 455.403	9518.4	8981.9	-0.0007865	mg/L	-0.0007865	mg/L
2	Be 234.861	84.8	80.0	-0.0002287	mg/L	-0.0002287	mg/L
2	Ca 315.887	538.3	508.0	0.0518819	mg/L	0.0518819	mg/L
2	Cd 214.438	72.1	68.0	0.0015996	mg/L	0.0015996	mg/L
2	Ce 413.765	-93.3	-88.1	0.0087859	mg/L	0.0087859	mg/L
2	Co 228.616	-5.9	-5.6	-0.0001297	mg/L	-0.0001297	mg/L
2	Cr 205.560	46.2	43.6	-0.0044000	mg/L	-0.0044000	mg/L

2 Cu 327.394	102.6	96.8	0.0063772 mg/L	0.0063772 mg/L
2 Fe 238.204	200.2	189.0	0.0083848 mg/L	0.0083848 mg/L
2 K 766.514	2091.1	1973.2	-0.0984622 mg/L	-0.0984622 mg/L
2 Li 670.781	164.5	155.2	-0.0032194 mg/L	-0.0032194 mg/L
2 Mg 279.074	14.8	14.0	-0.0150293 mg/L	-0.0150293 mg/L
2 Mn 257.610	-221.0	-208.5	-0.0025581 mg/L	-0.0025581 mg/L
2 Mo 202.031	10.3	9.7	0.0079578 mg/L	0.0079578 mg/L
2 Na 589.594	4881.9	4606.8	0.113301 mg/L	0.113301 mg/L
2 Ni 231.603	72.8	68.7	-0.0003221 mg/L	-0.0003221 mg/L
2 Pb 220.353	0.5	0.4	-0.0045931 mg/L	-0.0045931 mg/L
2 Sb 206.831	1.9	1.8	-0.0254342 mg/L	-0.0254342 mg/L
2 Se 196.026	70.6	66.6	-0.0652025 mg/L	-0.0652025 mg/L
2 Si 251.611	7914.1	7468.1	-0.0642764 mg/L	-0.0642764 mg/L
2 Sn 189.933	0.5	0.5	0.0425812 mg/L	0.0425812 mg/L
2 Sr 407.771	3856.4	3639.0	0.0001563 mg/L	0.0001563 mg/L
2 Ti 334.941	1657.8	1564.4	-0.0039204 mg/L	-0.0039204 mg/L
2 Tl 190.800	23.4	22.1	0.0456601 mg/L	0.0456601 mg/L
2 V 292.402	-195.5	-184.4	0.0071483 mg/L	0.0071483 mg/L
2 Zn 206.200	36.6	34.5	0.0150044 mg/L	0.0150044 mg/L

Mean Data

ID: MDL2 Seq. No.: 4 Sample No.: 4 A/S Pos: 44
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/21/10 12:49:24 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	414779.3	106.4	0.54	mg/L				0.51%
Y 360.064	253452.8	107.1	0.62	mg/L				0.58%
Ag 328.068	-57.4	-0.0031833	0.00219462	mg/L	-0.0031833	0.00219462	mg/L	68.94%
Al 396.140	-12.2	-0.0318508	0.00958177	mg/L	-0.0318508	0.00958177	mg/L	30.08%
As 188.979	6.1	0.0275640	0.04049887	mg/L	0.0275640	0.04049887	mg/L	146.93%
B 249.773	83.6	-0.0056908	0.00066501	mg/L	-0.0056908	0.00066501	mg/L	11.69%
Ba 455.403	8916.3	-0.0009019	0.00016324	mg/L	-0.0009019	0.00016324	mg/L	18.10%
Be 234.861	75.7	-0.0002833	0.00007728	mg/L	-0.0002833	0.00007728	mg/L	27.28%
Ca 315.887	561.8	0.0577620	0.00831572	mg/L	0.0577620	0.00831572	mg/L	14.40%
Cd 214.438	71.2	0.0021325	0.00075365	mg/L	0.0021325	0.00075365	mg/L	35.34%
Ce 413.765	-71.7	0.0114894	0.00382334	mg/L	0.0114894	0.00382334	mg/L	33.28%
Co 228.616	-4.6	0.0001889	0.00045057	mg/L	0.0001889	0.00045057	mg/L	238.56%
Cr 205.560	48.3	0.0002293	0.00654684	mg/L	0.0002293	0.00654684	mg/L	>999.9%
Cu 327.394	19.6	0.0005486	0.00824295	mg/L	0.0005486	0.00824295	mg/L	>999.9%
Fe 238.204	188.1	0.0082766	0.00015293	mg/L	0.0082766	0.00015293	mg/L	1.85%
K 766.514	1997.1	-0.0904829	0.01128445	mg/L	-0.0904829	0.01128445	mg/L	12.47%
Li 670.781	240.6	-0.0026376	0.00082272	mg/L	-0.0026376	0.00082272	mg/L	31.19%
Mg 279.074	-9.8	-0.0358279	0.02941363	mg/L	-0.0358279	0.02941363	mg/L	82.10%
Mn 257.610	-194.7	-0.0023548	0.00028764	mg/L	-0.0023548	0.00028764	mg/L	12.22%
Mo 202.031	9.2	0.0070583	0.00127206	mg/L	0.0070583	0.00127206	mg/L	18.02%
Na 589.594	4615.9	0.113971	0.0009472	mg/L	0.113971	0.0009472	mg/L	0.83%
Ni 231.603	74.0	0.0030024	0.00470156	mg/L	0.0030024	0.00470156	mg/L	156.59%
Pb 220.353	-0.2	-0.0070052	0.00341118	mg/L	-0.0070052	0.00341118	mg/L	48.69%
Sb 206.831	2.9	-0.0191208	0.00892852	mg/L	-0.0191208	0.00892852	mg/L	46.70%
Se 196.026	69.9	-0.0383553	0.03796778	mg/L	-0.0383553	0.03796778	mg/L	98.99%
Si 251.611	7877.6	0.0155696	0.11291925	mg/L	0.0155696	0.11291925	mg/L	725.26%
Sn 189.933	2.6	0.0652082	0.03199936	mg/L	0.0652082	0.03199936	mg/L	49.07%
Sr 407.771	3639.6	0.0001567	0.00000059	mg/L	0.0001567	0.00000059	mg/L	0.38%
Ti 334.941	1589.6	-0.0036198	0.00042519	mg/L	-0.0036198	0.00042519	mg/L	11.75%
Tl 190.800	22.4	0.0475838	0.00272049	mg/L	0.0475838	0.00272049	mg/L	5.72%
V 292.402	-229.4	0.0039400	0.00453715	mg/L	0.0039400	0.00453715	mg/L	115.16%
Zn 206.200	36.2	0.0158372	0.00117767	mg/L	0.0158372	0.00117767	mg/L	7.44%

Replicate Data

ID: MDL3 Date: 1/21/10 12:52:48 PM

Repl# Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1 Sc 357.253	419755.5	419755.5	107.6	mg/L		
1 Y 360.064	256724.2	256724.2	108.5	mg/L		
1 Ag 328.068	16.7	15.5	-0.0000252	mg/L	-0.0000252	mg/L
1 Al 396.140	2.7	2.5	-0.0297072	mg/L	-0.0297072	mg/L
1 As 188.979	5.4	5.0	0.0210553	mg/L	0.0210553	mg/L
1 B 249.773	88.4	82.2	-0.0058473	mg/L	-0.0058473	mg/L

1	Ba 455.403	9356.5	8692.9	-0.0012954	mg/L	-0.0012954 mg/L
1	Be 234.861	95.7	88.9	-0.0001185	mg/L	-0.0001185 mg/L
1	Ca 315.887	540.1	501.8	0.0512018	mg/L	0.0512018 mg/L
1	Cd 214.438	76.1	70.7	0.0020386	mg/L	0.0020386 mg/L
1	Ce 413.765	-75.6	-70.3	0.0117279	mg/L	0.0117279 mg/L
1	Co 228.616	-10.6	-9.9	-0.0015735	mg/L	-0.0015735 mg/L
1	Cr 205.560	40.1	37.3	-0.0105364	mg/L	-0.0105364 mg/L
1	Cu 327.394	-60.1	-55.8	-0.0051451	mg/L	-0.0051451 mg/L
1	Fe 238.204	214.7	199.4	0.0096684	mg/L	0.0096684 mg/L
1	K 766.514	2050.5	1905.1	-0.121190	mg/L	-0.121190 mg/L
1	Li 670.781	337.0	313.1	-0.0021438	mg/L	-0.0021438 mg/L
1	Mg 279.074	58.3	54.2	0.0201536	mg/L	0.0201536 mg/L
1	Mn 257.610	-178.7	-166.1	-0.0019347	mg/L	-0.0019347 mg/L
1	Mo 202.031	14.4	13.3	0.0138151	mg/L	0.0138151 mg/L
1	Na 589.594	4763.5	4425.6	0.100064	mg/L	0.100064 mg/L
1	Ni 231.603	58.8	54.6	-0.0092226	mg/L	-0.0092226 mg/L
1	Pb 220.353	2.3	2.1	0.0021162	mg/L	0.0021162 mg/L
1	Sb 206.831	0.8	0.7	-0.0310723	mg/L	-0.0310723 mg/L
1	Se 196.026	76.3	70.9	-0.0304207	mg/L	-0.0304207 mg/L
1	Si 251.611	7019.1	6521.2	-0.248893	mg/L	-0.248893 mg/L
1	Sn 189.933	3.3	3.0	0.0701155	mg/L	0.0701155 mg/L
1	Sr 407.771	3863.7	3589.7	0.0001179	mg/L	0.0001179 mg/L
1	Ti 334.941	1720.4	1598.4	-0.0035156	mg/L	-0.0035156 mg/L
1	Tl 190.800	23.8	22.1	0.0456771	mg/L	0.0456771 mg/L
1	V 292.402	-268.9	-249.9	0.0024831	mg/L	0.0024831 mg/L
1	Zn 206.200	41.5	38.5	0.0169744	mg/L	0.0169744 mg/L
2	Sc 357.253	417735.2	417735.2	107.1	mg/L	
2	Y 360.064	256058.7	256058.7	108.2	mg/L	
2	Ag 328.068	-94.6	-88.3	-0.0045219	mg/L	-0.0045219 mg/L
2	Al 396.140	57.0	53.2	-0.0223120	mg/L	-0.0223120 mg/L
2	As 188.979	8.3	7.7	0.0379956	mg/L	0.0379956 mg/L
2	B 249.773	92.4	86.3	-0.0053984	mg/L	-0.0053984 mg/L
2	Ba 455.403	9306.7	8688.4	-0.0013033	mg/L	-0.0013033 mg/L
2	Be 234.861	90.9	84.9	-0.0001687	mg/L	-0.0001687 mg/L
2	Ca 315.887	567.2	529.5	0.0542352	mg/L	0.0542352 mg/L
2	Cd 214.438	64.3	60.1	0.0002627	mg/L	0.0002627 mg/L
2	Ce 413.765	-119.5	-111.6	0.0049013	mg/L	0.0049013 mg/L
2	Co 228.616	1.1	1.1	0.0020878	mg/L	0.0020878 mg/L
2	Cr 205.560	49.9	46.6	-0.0014688	mg/L	-0.0014688 mg/L
2	Cu 327.394	8.4	7.8	-0.0003432	mg/L	-0.0003432 mg/L
2	Fe 238.204	188.4	175.9	0.0067809	mg/L	0.0067809 mg/L
2	K 766.514	2065.5	1928.3	-0.113449	mg/L	-0.113449 mg/L
2	Li 670.781	402.6	375.8	-0.0017166	mg/L	-0.0017166 mg/L
2	Mg 279.074	42.1	39.3	0.0071355	mg/L	0.0071355 mg/L
2	Mn 257.610	-177.8	-166.0	-0.0019334	mg/L	-0.0019334 mg/L
2	Mo 202.031	11.4	10.7	0.0094755	mg/L	0.0094755 mg/L
2	Na 589.594	4906.9	4580.9	0.111412	mg/L	0.111412 mg/L
2	Ni 231.603	77.0	71.9	0.0016734	mg/L	0.0016734 mg/L
2	Pb 220.353	2.8	2.6	0.0040830	mg/L	0.0040830 mg/L
2	Sb 206.831	-4.9	-4.6	-0.0601874	mg/L	-0.0601874 mg/L
2	Se 196.026	79.5	74.2	-0.0034334	mg/L	-0.0034334 mg/L
2	Si 251.611	6412.6	5986.6	-0.353136	mg/L	-0.353136 mg/L
2	Sn 189.933	0.7	0.6	0.0443942	mg/L	0.0443942 mg/L
2	Sr 407.771	3851.8	3595.9	0.0001227	mg/L	0.0001227 mg/L
2	Ti 334.941	1771.6	1653.9	-0.0028545	mg/L	-0.0028545 mg/L
2	Tl 190.800	30.7	28.7	0.0890200	mg/L	0.0890200 mg/L
2	V 292.402	-240.5	-224.5	0.0042916	mg/L	0.0042916 mg/L
2	Zn 206.200	31.8	29.7	0.0126152	mg/L	0.0126152 mg/L

Mean Data

ID: MDL3 Seq. No.: 5 Sample No.: 5 A/S Pos: 45
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/21/10 12:52:48 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	418745.4	107.4	0.37	mg/L				0.34%
Y 360.064	256391.5	108.3	0.20	mg/L				0.18%
Ag 328.068	-36.4	-0.0022736	0.00317970	mg/L	-0.0022736	0.00317970	mg/L	139.86%
Al 396.140	27.8	-0.0260096	0.00522917	mg/L	-0.0260096	0.00522917	mg/L	20.10%
As 188.979	6.4	0.0295255	0.01197859	mg/L	0.0295255	0.01197859	mg/L	40.57%

B 249.773	84.2	-0.0056228	0.00031745 mg/L	-0.0056228	0.00031745 mg/L	5.65%
Ba 455.403	8690.6	-0.0012993	0.00000564 mg/L	-0.0012993	0.00000564 mg/L	0.43%
Be 234.861	86.9	-0.0001436	0.00003548 mg/L	-0.0001436	0.00003548 mg/L	24.70%
Ca 315.887	515.7	0.0527185	0.00214493 mg/L	0.0527185	0.00214493 mg/L	4.07%
Cd 214.438	65.4	0.0011506	0.00125578 mg/L	0.0011506	0.00125578 mg/L	109.14%
Ce 413.765	-90.9	0.0083146	0.00482709 mg/L	0.0083146	0.00482709 mg/L	58.06%
Co 228.616	-4.4	0.0002571	0.00258896 mg/L	0.0002571	0.00258896 mg/L	>999.9%
Cr 205.560	41.9	-0.0060026	0.00641176 mg/L	-0.0060026	0.00641176 mg/L	106.82%
Cu 327.394	-24.0	-0.0027441	0.00339542 mg/L	-0.0027441	0.00339542 mg/L	123.73%
Fe 238.204	187.7	0.0082247	0.00204183 mg/L	0.0082247	0.00204183 mg/L	24.83%
K 766.514	1916.7	-0.117320	0.0054737 mg/L	-0.117320	0.0054737 mg/L	4.67%
Li 670.781	344.5	-0.0019302	0.00030210 mg/L	-0.0019302	0.00030210 mg/L	15.65%
Mg 279.074	46.8	0.0136445	0.00920519 mg/L	0.0136445	0.00920519 mg/L	67.46%
Mn 257.610	-166.0	-0.0019340	0.00000091 mg/L	-0.0019340	0.00000091 mg/L	0.05%
Mo 202.031	12.0	0.0116453	0.00306853 mg/L	0.0116453	0.00306853 mg/L	26.35%
Na 589.594	4503.3	0.105738	0.0080242 mg/L	0.105738	0.0080242 mg/L	7.59%
Ni 231.603	63.2	-0.0037746	0.00770460 mg/L	-0.0037746	0.00770460 mg/L	204.12%
Pb 220.353	2.3	0.0030996	0.00139073 mg/L	0.0030996	0.00139073 mg/L	44.87%
Sb 206.831	-1.9	-0.0456298	0.02058747 mg/L	-0.0456298	0.02058747 mg/L	45.12%
Se 196.026	72.5	-0.0169271	0.01908290 mg/L	-0.0169271	0.01908290 mg/L	112.74%
Si 251.611	6253.9	-0.301014	0.0737105 mg/L	-0.301014	0.0737105 mg/L	24.49%
Sn 189.933	1.8	0.0572548	0.01818767 mg/L	0.0572548	0.01818767 mg/L	31.77%
Sr 407.771	3592.8	0.0001203	0.00000340 mg/L	0.0001203	0.00000340 mg/L	2.83%
Ti 334.941	1626.1	-0.0031850	0.00046745 mg/L	-0.0031850	0.00046745 mg/L	14.68%
Tl 190.800	25.4	0.0673486	0.03064807 mg/L	0.0673486	0.03064807 mg/L	45.51%
V 292.402	-237.2	0.0033874	0.00127884 mg/L	0.0033874	0.00127884 mg/L	37.75%
Zn 206.200	34.1	0.0147948	0.00308245 mg/L	0.0147948	0.00308245 mg/L	20.83%

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

ID: MDL4 Date: 1/21/10 12:56:07 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	397592.5	397592.5	102.0	mg/L		
1	Y 360.064	242720.6	242720.6	102.6	mg/L		
1	Ag 328.068	-29.4	-28.8	-0.0019464	mg/L	-0.0019464	mg/L
1	Al 396.140	-136.4	-133.8	-0.0495997	mg/L	-0.0495997	mg/L
1	As 188.979	6.3	6.2	0.0283867	mg/L	0.0283867	mg/L
1	B 249.773	70.0	68.7	-0.0073116	mg/L	-0.0073116	mg/L
1	Ba 455.403	9500.9	9319.0	-0.0001928	mg/L	-0.0001928	mg/L
1	Be 234.861	80.1	78.6	-0.0002469	mg/L	-0.0002469	mg/L
1	Ca 315.887	454.2	445.5	0.0450617	mg/L	0.0450617	mg/L
1	Cd 214.438	71.2	69.8	0.0019009	mg/L	0.0019009	mg/L
1	Ce 413.765	-109.7	-107.6	0.0055620	mg/L	0.0055620	mg/L
1	Co 228.616	-13.9	-13.6	-0.0028272	mg/L	-0.0028272	mg/L
1	Cr 205.560	56.3	55.2	0.0069453	mg/L	0.0069453	mg/L
1	Cu 327.394	-65.3	-64.0	-0.0057665	mg/L	-0.0057665	mg/L
1	Fe 238.204	231.3	226.9	0.0130321	mg/L	0.0130321	mg/L
1	K 766.514	2158.1	2116.8	-0.0505858	mg/L	-0.0505858	mg/L
1	Li 670.781	390.3	382.9	-0.0016688	mg/L	-0.0016688	mg/L
1	Mg 279.074	-39.0	-38.2	-0.0606850	mg/L	-0.0606850	mg/L
1	Mn 257.610	-165.4	-162.2	-0.0018785	mg/L	-0.0018785	mg/L
1	Mo 202.031	7.1	7.0	0.0035412	mg/L	0.0035412	mg/L
1	Na 589.594	5005.5	4909.7	0.135437	mg/L	0.135437	mg/L
1	Ni 231.603	83.4	81.8	0.0078915	mg/L	0.0078915	mg/L
1	Pb 220.353	-7.3	-7.2	-0.0355067	mg/L	-0.0355067	mg/L
1	Sb 206.831	-1.5	-1.5	-0.0434332	mg/L	-0.0434332	mg/L
1	Se 196.026	77.5	76.0	0.0117180	mg/L	0.0117180	mg/L
1	Si 251.611	5514.2	5408.7	-0.465812	mg/L	-0.465812	mg/L
1	Sn 189.933	3.7	3.7	0.0768960	mg/L	0.0768960	mg/L
1	Sr 407.771	4055.7	3978.1	0.0004203	mg/L	0.0004203	mg/L
1	Ti 334.941	1710.2	1677.5	-0.0025734	mg/L	-0.0025734	mg/L
1	Tl 190.800	20.8	20.4	0.0343196	mg/L	0.0343196	mg/L
1	V 292.402	-139.4	-136.7	0.0105531	mg/L	0.0105531	mg/L
1	Zn 206.200	21.3	20.9	0.0082667	mg/L	0.0082667	mg/L
2	Sc 357.253	399044.5	399044.5	102.3	mg/L		
2	Y 360.064	243881.8	243881.8	103.1	mg/L		
2	Ag 328.068	2.1	2.0	-0.0006095	mg/L	-0.0006095	mg/L
2	Al 396.140	-37.4	-36.5	-0.0354052	mg/L	-0.0354052	mg/L
2	As 188.979	8.1	8.0	0.0393433	mg/L	0.0393433	mg/L

2 B 249.773	104.6	102.2	-0.0036697 mg/L	-0.0036697 mg/L
2 Ba 455.403	9191.1	8982.4	-0.0007856 mg/L	-0.0007856 mg/L
2 Be 234.861	89.7	87.6	-0.0001343 mg/L	-0.0001343 mg/L
2 Ca 315.887	380.8	372.2	0.0370559 mg/L	0.0370559 mg/L
2 Cd 214.438	63.4	62.0	0.0005836 mg/L	0.0005836 mg/L
2 Ce 413.765	-84.5	-82.5	0.0096998 mg/L	0.0096998 mg/L
2 Co 228.616	-8.7	-8.5	-0.0011116 mg/L	-0.0011116 mg/L
2 Cr 205.560	49.8	48.6	0.0005599 mg/L	0.0005599 mg/L
2 Cu 327.394	-27.4	-26.8	-0.0029559 mg/L	-0.0029559 mg/L
2 Fe 238.204	213.2	208.4	0.0107601 mg/L	0.0107601 mg/L
2 K 766.514	1982.6	1937.6	-0.110343 mg/L	-0.110343 mg/L
2 Li 670.781	326.1	318.7	-0.0021059 mg/L	-0.0021059 mg/L
2 Mg 279.074	9.6	9.4	-0.0190797 mg/L	-0.0190797 mg/L
2 Mn 257.610	-169.9	-166.0	-0.0019341 mg/L	-0.0019341 mg/L
2 Mo 202.031	4.5	4.4	-0.0006051 mg/L	-0.0006051 mg/L
2 Na 589.594	4967.7	4854.9	0.131434 mg/L	0.131434 mg/L
2 Ni 231.603	78.7	76.9	0.0048598 mg/L	0.0048598 mg/L
2 Pb 220.353	7.8	7.6	0.0247098 mg/L	0.0247098 mg/L
2 Sb 206.831	-5.0	-4.9	-0.0621967 mg/L	-0.0621967 mg/L
2 Se 196.026	77.9	76.2	0.0127716 mg/L	0.0127716 mg/L
2 Si 251.611	4568.1	4464.3	-0.649929 mg/L	-0.649929 mg/L
2 Sn 189.933	4.9	4.8	0.0888716 mg/L	0.0888716 mg/L
2 Sr 407.771	4026.8	3935.4	0.0003871 mg/L	0.0003871 mg/L
2 Ti 334.941	1770.4	1730.2	-0.0019460 mg/L	-0.0019460 mg/L
2 Tl 190.800	27.8	27.1	0.0787705 mg/L	0.0787705 mg/L
2 V 292.402	-236.9	-231.5	0.0037946 mg/L	0.0037946 mg/L
2 Zn 206.200	35.8	35.0	0.0152229 mg/L	0.0152229 mg/L

Mean Data

ID: MDL4 Seq. No.: 6 Sample No.: 6 A/S Pos: 46
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/21/10 12:56:07 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	398318.5	102.1	0.26	mg/L				0.26%
Y 360.064	243301.2	102.8	0.35	mg/L				0.34%
Ag 328.068	-13.4	-0.0012779	0.00094532	mg/L	-0.0012779	0.00094532	mg/L	73.97%
Al 396.140	-85.2	-0.0425024	0.01003707	mg/L	-0.0425024	0.01003707	mg/L	23.62%
As 188.979	7.1	0.0338650	0.00774749	mg/L	0.0338650	0.00774749	mg/L	22.88%
B 249.773	85.4	-0.0054907	0.00257520	mg/L	-0.0054907	0.00257520	mg/L	46.90%
Ba 455.403	9150.7	-0.0004892	0.00041920	mg/L	-0.0004892	0.00041920	mg/L	85.69%
Be 234.861	83.1	-0.0001906	0.00007961	mg/L	-0.0001906	0.00007961	mg/L	41.76%
Ca 315.887	408.9	0.0410588	0.00566092	mg/L	0.0410588	0.00566092	mg/L	13.79%
Cd 214.438	65.9	0.0012423	0.00093143	mg/L	0.0012423	0.00093143	mg/L	74.98%
Ce 413.765	-95.1	0.0076309	0.00292580	mg/L	0.0076309	0.00292580	mg/L	38.34%
Co 228.616	-11.0	-0.0019694	0.00121312	mg/L	-0.0019694	0.00121312	mg/L	61.60%
Cr 205.560	51.9	0.0037526	0.00451517	mg/L	0.0037526	0.00451517	mg/L	120.32%
Cu 327.394	-45.4	-0.0043612	0.00198744	mg/L	-0.0043612	0.00198744	mg/L	45.57%
Fe 238.204	217.6	0.0118961	0.00160652	mg/L	0.0118961	0.00160652	mg/L	13.50%
K 766.514	2027.2	-0.0804643	0.04225464	mg/L	-0.0804643	0.04225464	mg/L	52.51%
Li 670.781	350.8	-0.0018874	0.00030909	mg/L	-0.0018874	0.00030909	mg/L	16.38%
Mg 279.074	-14.4	-0.0398824	0.02941941	mg/L	-0.0398824	0.02941941	mg/L	73.77%
Mn 257.610	-164.1	-0.0019063	0.00003928	mg/L	-0.0019063	0.00003928	mg/L	2.06%
Mo 202.031	5.7	0.0014680	0.00293192	mg/L	0.0014680	0.00293192	mg/L	199.72%
Na 589.594	4882.3	0.133435	0.0028304	mg/L	0.133435	0.0028304	mg/L	2.12%
Ni 231.603	79.4	0.0063756	0.00214372	mg/L	0.0063756	0.00214372	mg/L	33.62%
Pb 220.353	0.2	-0.0053984	0.04257950	mg/L	-0.0053984	0.04257950	mg/L	788.74%
Sb 206.831	-3.2	-0.0528150	0.01326783	mg/L	-0.0528150	0.01326783	mg/L	25.12%
Se 196.026	76.1	0.0122448	0.00074505	mg/L	0.0122448	0.00074505	mg/L	6.08%
Si 251.611	4936.5	-0.557871	0.1301905	mg/L	-0.557871	0.1301905	mg/L	23.34%
Sn 189.933	4.2	0.0828838	0.00846807	mg/L	0.0828838	0.00846807	mg/L	10.22%
Sr 407.771	3956.7	0.0004037	0.00002351	mg/L	0.0004037	0.00002351	mg/L	5.82%
Ti 334.941	1703.8	-0.0022597	0.00044360	mg/L	-0.0022597	0.00044360	mg/L	19.63%
Tl 190.800	23.8	0.0565450	0.03143152	mg/L	0.0565450	0.03143152	mg/L	55.59%
V 292.402	-184.1	0.0071739	0.00477896	mg/L	0.0071739	0.00477896	mg/L	66.62%
Zn 206.200	27.9	0.0117448	0.00491880	mg/L	0.0117448	0.00491880	mg/L	41.88%

Replicate Data

ID: MDL5 Date: 1/21/10 12:59:20 PM

	Net	Corrected	Calib	Sample

Repl#	Element	Intensity	Intensity	Conc.	Units	Conc.	Units
1	Sc 357.253	397302.2	397302.2	101.9	mg/L		
1	Y 360.064	242553.9	242553.9	102.5	mg/L		
1	Ag 328.068	-53.4	-52.4	-0.0029681	mg/L	-0.0029681	mg/L
1	Al 396.140	-7.6	-7.4	-0.0311548	mg/L	-0.0311548	mg/L
1	As 188.979	8.9	8.8	0.0445209	mg/L	0.0445209	mg/L
1	B 249.773	85.3	83.7	-0.0056799	mg/L	-0.0056799	mg/L
1	Ba 455.403	9577.2	9400.7	-0.0000489	mg/L	-0.0000489	mg/L
1	Be 234.861	89.6	88.0	-0.0001302	mg/L	-0.0001302	mg/L
1	Ca 315.887	796.8	782.1	0.0818127	mg/L	0.0818127	mg/L
1	Cd 214.438	76.6	75.2	0.0027961	mg/L	0.0027961	mg/L
1	Ce 413.765	-104.0	-102.1	0.0064667	mg/L	0.0064667	mg/L
1	Co 228.616	2.9	2.8	0.0026762	mg/L	0.0026762	mg/L
1	Cr 205.560	59.4	58.4	0.0100275	mg/L	0.0100275	mg/L
1	Cu 327.394	-56.7	-55.6	-0.0051302	mg/L	-0.0051302	mg/L
1	Fe 238.204	200.7	197.0	0.0093720	mg/L	0.0093720	mg/L
1	K 766.514	2029.6	1992.2	-0.0921239	mg/L	-0.0921239	mg/L
1	Li 670.781	344.4	338.1	-0.0019738	mg/L	-0.0019738	mg/L
1	Mg 279.074	51.6	50.6	0.0170289	mg/L	0.0170289	mg/L
1	Mn 257.610	-190.5	-186.9	-0.0022413	mg/L	-0.0022413	mg/L
1	Mo 202.031	13.1	12.9	0.0130349	mg/L	0.0130349	mg/L
1	Na 589.594	5019.0	4926.5	0.136670	mg/L	0.136670	mg/L
1	Ni 231.603	68.0	66.7	-0.0015818	mg/L	-0.0015818	mg/L
1	Pb 220.353	-2.7	-2.6	-0.0170976	mg/L	-0.0170976	mg/L
1	Sb 206.831	3.1	3.0	-0.0183480	mg/L	-0.0183480	mg/L
1	Se 196.026	72.3	71.0	-0.0291497	mg/L	-0.0291497	mg/L
1	Si 251.611	4781.8	4693.7	-0.605213	mg/L	-0.605213	mg/L
1	Sn 189.933	2.4	2.4	0.0627367	mg/L	0.0627367	mg/L
1	Sr 407.771	4141.6	4065.3	0.0004882	mg/L	0.0004882	mg/L
1	Ti 334.941	1755.3	1723.0	-0.0020320	mg/L	-0.0020320	mg/L
1	Tl 190.800	25.7	25.2	0.0663472	mg/L	0.0663472	mg/L
1	V 292.402	-190.1	-186.6	0.0069932	mg/L	0.0069932	mg/L
1	Zn 206.200	47.1	46.2	0.0207651	mg/L	0.0207651	mg/L
2	Sc 357.253	400495.2	400495.2	102.7	mg/L		
2	Y 360.064	244346.9	244346.9	103.3	mg/L		
2	Ag 328.068	29.9	29.1	0.0005622	mg/L	0.0005622	mg/L
2	Al 396.140	78.3	76.2	-0.0189435	mg/L	-0.0189435	mg/L
2	As 188.979	7.8	7.6	0.0373266	mg/L	0.0373266	mg/L
2	B 249.773	91.0	88.6	-0.0051450	mg/L	-0.0051450	mg/L
2	Ba 455.403	9495.6	9246.4	-0.0003207	mg/L	-0.0003207	mg/L
2	Be 234.861	84.8	82.6	-0.0001972	mg/L	-0.0001972	mg/L
2	Ca 315.887	813.3	792.0	0.0828837	mg/L	0.0828837	mg/L
2	Cd 214.438	72.4	70.5	0.0020081	mg/L	0.0020081	mg/L
2	Ce 413.765	-134.5	-131.0	0.0016968	mg/L	0.0016968	mg/L
2	Co 228.616	9.2	9.0	0.0047456	mg/L	0.0047456	mg/L
2	Cr 205.560	53.5	52.1	0.0039327	mg/L	0.0039327	mg/L
2	Cu 327.394	-38.7	-37.7	-0.0037773	mg/L	-0.0037773	mg/L
2	Fe 238.204	190.6	185.6	0.0079720	mg/L	0.0079720	mg/L
2	K 766.514	2104.8	2049.5	-0.0730161	mg/L	-0.0730161	mg/L
2	Li 670.781	452.1	440.2	-0.0012781	mg/L	-0.0012781	mg/L
2	Mg 279.074	55.6	54.1	0.0200543	mg/L	0.0200543	mg/L
2	Mn 257.610	-192.7	-187.6	-0.0022512	mg/L	-0.0022512	mg/L
2	Mo 202.031	8.1	7.9	0.0050294	mg/L	0.0050294	mg/L
2	Na 589.594	5227.9	5090.6	0.148663	mg/L	0.148663	mg/L
2	Ni 231.603	77.2	75.2	0.0037319	mg/L	0.0037319	mg/L
2	Pb 220.353	-8.5	-8.2	-0.0398961	mg/L	-0.0398961	mg/L
2	Sb 206.831	13.4	13.1	0.0370339	mg/L	0.0370339	mg/L
2	Se 196.026	79.5	77.4	0.0230359	mg/L	0.0230359	mg/L
2	Si 251.611	4011.5	3906.2	-0.758758	mg/L	-0.758758	mg/L
2	Sn 189.933	3.9	3.8	0.0779326	mg/L	0.0779326	mg/L
2	Sr 407.771	3991.9	3887.1	0.0003495	mg/L	0.0003495	mg/L
2	Ti 334.941	1819.3	1771.6	-0.0014532	mg/L	-0.0014532	mg/L
2	Tl 190.800	22.7	22.1	0.0452317	mg/L	0.0452317	mg/L
2	V 292.402	-169.9	-165.4	0.0085057	mg/L	0.0085057	mg/L
2	Zn 206.200	48.8	47.5	0.0214230	mg/L	0.0214230	mg/L

Mean Data

ID: MDL5 Seq. No.: 7 Sample No.: 7 A/S Pos: 47
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/21/10 12:59:20 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	398898.7	102.3	0.58	mg/L				0.57%
Y 360.064	243450.4	102.9	0.54	mg/L				0.52%
Ag 328.068	-11.7	-0.0012030	0.00249631	mg/L	-0.0012030	0.00249631	mg/L	207.51%
Al 396.140	34.4	-0.0250491	0.00863471	mg/L	-0.0250491	0.00863471	mg/L	34.47%
As 188.979	8.2	0.0409238	0.00508712	mg/L	0.0409238	0.00508712	mg/L	12.43%
B 249.773	86.2	-0.0054124	0.00037820	mg/L	-0.0054124	0.00037820	mg/L	6.99%
Ba 455.403	9323.6	-0.0001848	0.00019218	mg/L	-0.0001848	0.00019218	mg/L	104.00%
Be 234.861	85.3	-0.0001637	0.00004740	mg/L	-0.0001637	0.00004740	mg/L	28.96%
Ca 315.887	787.1	0.0823482	0.00075732	mg/L	0.0823482	0.00075732	mg/L	0.92%
Cd 214.438	72.8	0.0024021	0.00055720	mg/L	0.0024021	0.00055720	mg/L	23.20%
Ce 413.765	-116.5	0.0040817	0.00337287	mg/L	0.0040817	0.00337287	mg/L	82.63%
Co 228.616	5.9	0.0037109	0.00146332	mg/L	0.0037109	0.00146332	mg/L	39.43%
Cr 205.560	55.2	0.0069801	0.00430962	mg/L	0.0069801	0.00430962	mg/L	61.74%
Cu 327.394	-46.7	-0.0044538	0.00095666	mg/L	-0.0044538	0.00095666	mg/L	21.48%
Fe 238.204	191.3	0.0086720	0.00098997	mg/L	0.0086720	0.00098997	mg/L	11.42%
K 766.514	2020.9	-0.0825700	0.01351119	mg/L	-0.0825700	0.01351119	mg/L	16.36%
Li 670.781	389.1	-0.0016260	0.00049192	mg/L	-0.0016260	0.00049192	mg/L	30.25%
Mg 279.074	52.4	0.0185416	0.00213931	mg/L	0.0185416	0.00213931	mg/L	11.54%
Mn 257.610	-187.3	-0.0022462	0.00000697	mg/L	-0.0022462	0.00000697	mg/L	0.31%
Mo 202.031	10.4	0.0090322	0.00566070	mg/L	0.0090322	0.00566070	mg/L	62.67%
Na 589.594	5008.6	0.142667	0.0084809	mg/L	0.142667	0.0084809	mg/L	5.94%
Ni 231.603	70.9	0.0010751	0.00375732	mg/L	0.0010751	0.00375732	mg/L	349.50%
Pb 220.353	-5.4	-0.0284969	0.01612103	mg/L	-0.0284969	0.01612103	mg/L	56.57%
Sb 206.831	8.1	0.0093429	0.03916092	mg/L	0.0093429	0.03916092	mg/L	419.15%
Se 196.026	74.2	-0.0030569	0.03690084	mg/L	-0.0030569	0.03690084	mg/L	>999.9%
Si 251.611	4299.9	-0.681985	0.1085727	mg/L	-0.681985	0.1085727	mg/L	15.92%
Sn 189.933	3.1	0.0703347	0.01074509	mg/L	0.0703347	0.01074509	mg/L	15.28%
Sr 407.771	3976.2	0.0004189	0.00009808	mg/L	0.0004189	0.00009808	mg/L	23.42%
Ti 334.941	1747.3	-0.0017426	0.00040928	mg/L	-0.0017426	0.00040928	mg/L	23.49%
Tl 190.800	23.7	0.0557895	0.01493092	mg/L	0.0557895	0.01493092	mg/L	26.76%
V 292.402	-176.0	0.0077495	0.00106948	mg/L	0.0077495	0.00106948	mg/L	13.80%
Zn 206.200	46.9	0.0210940	0.00046521	mg/L	0.0210940	0.00046521	mg/L	2.21%

Replicate Data

ID: MDL6 Date: 1/21/10 1:02:30 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	402964.8	402964.8	103.3	mg/L		
1	Y 360.064	245655.5	245655.5	103.8	mg/L		
1	Ag 328.068	39.9	38.6	0.0009768	mg/L	0.0009768	mg/L
1	Al 396.140	91.1	88.2	-0.0171990	mg/L	-0.0171990	mg/L
1	As 188.979	7.7	7.5	0.0364235	mg/L	0.0364235	mg/L
1	B 249.773	104.1	100.7	-0.0038314	mg/L	-0.0038314	mg/L
1	Ba 455.403	9691.2	9379.0	-0.0000872	mg/L	-0.0000872	mg/L
1	Be 234.861	97.3	94.1	-0.0000536	mg/L	-0.0000536	mg/L
1	Ca 315.887	651.9	630.9	0.0653035	mg/L	0.0653035	mg/L
1	Cd 214.438	71.5	69.2	0.0017867	mg/L	0.0017867	mg/L
1	Ce 413.765	-220.1	-213.0	-0.0118556	mg/L	-0.0118556	mg/L
1	Co 228.616	-19.9	-19.2	-0.0047176	mg/L	-0.0047176	mg/L
1	Cr 205.560	51.4	49.7	0.0016262	mg/L	0.0016262	mg/L
1	Cu 327.394	-86.6	-83.8	-0.0072573	mg/L	-0.0072573	mg/L
1	Fe 238.204	204.0	197.4	0.0094215	mg/L	0.0094215	mg/L
1	K 766.514	2076.2	2009.4	-0.0864115	mg/L	-0.0864115	mg/L
1	Li 670.781	212.5	205.6	-0.0028759	mg/L	-0.0028759	mg/L
1	Mg 279.074	-8.0	-7.7	-0.0340240	mg/L	-0.0340240	mg/L
1	Mn 257.610	-154.5	-149.5	-0.0016920	mg/L	-0.0016920	mg/L
1	Mo 202.031	7.3	7.1	0.0036948	mg/L	0.0036948	mg/L
1	Na 589.594	4930.5	4771.7	0.125354	mg/L	0.125354	mg/L
1	Ni 231.603	83.0	80.4	0.0070084	mg/L	0.0070084	mg/L
1	Pb 220.353	-3.0	-2.9	-0.0181476	mg/L	-0.0181476	mg/L
1	Sb 206.831	4.5	4.4	-0.0108497	mg/L	-0.0108497	mg/L
1	Se 196.026	66.6	64.4	-0.0826085	mg/L	-0.0826085	mg/L
1	Si 251.611	4642.7	4493.1	-0.644321	mg/L	-0.644321	mg/L
1	Sn 189.933	2.6	2.6	0.0648979	mg/L	0.0648979	mg/L
1	Sr 407.771	3924.4	3797.9	0.0002801	mg/L	0.0002801	mg/L
1	Ti 334.941	1848.2	1788.7	-0.0012495	mg/L	-0.0012495	mg/L
1	Tl 190.800	26.4	25.6	0.0683998	mg/L	0.0683998	mg/L

1	V 292.402	-246.9	-238.9	0.0032640 mg/L	0.0032640 mg/L
1	Zn 206.200	34.7	33.6	0.0145408 mg/L	0.0145408 mg/L
2	Sc 357.253	400331.7	400331.7	102.7 mg/L	
2	Y 360.064	243891.8	243891.8	103.1 mg/L	
2	Ag 328.068	-33.7	-32.8	-0.0021191 mg/L	-0.0021191 mg/L
2	Al 396.140	31.9	31.1	-0.0255336 mg/L	-0.0255336 mg/L
2	As 188.979	11.6	11.3	0.0600914 mg/L	0.0600914 mg/L
2	B 249.773	91.1	88.7	-0.0051359 mg/L	-0.0051359 mg/L
2	Ba 455.403	9497.7	9252.2	-0.0003106 mg/L	-0.0003106 mg/L
2	Be 234.861	98.1	95.5	-0.0000359 mg/L	-0.0000359 mg/L
2	Ca 315.887	611.4	595.6	0.0614470 mg/L	0.0614470 mg/L
2	Cd 214.438	73.0	71.1	0.0021144 mg/L	0.0021144 mg/L
2	Ce 413.765	-242.2	-235.9	-0.0156448 mg/L	-0.0156448 mg/L
2	Co 228.616	1.6	1.6	0.0022548 mg/L	0.0022548 mg/L
2	Cr 205.560	51.1	49.8	0.0016602 mg/L	0.0016602 mg/L
2	Cu 327.394	26.1	25.4	0.0009850 mg/L	0.0009850 mg/L
2	Fe 238.204	185.8	181.0	0.0074068 mg/L	0.0074068 mg/L
2	K 766.514	2054.5	2001.4	-0.0890759 mg/L	-0.0890759 mg/L
2	Li 670.781	258.6	251.9	-0.0025607 mg/L	-0.0025607 mg/L
2	Mg 279.074	35.1	34.2	0.0026159 mg/L	0.0026159 mg/L
2	Mn 257.610	-158.6	-154.5	-0.0017644 mg/L	-0.0017644 mg/L
2	Mo 202.031	11.3	11.0	0.0100966 mg/L	0.0100966 mg/L
2	Na 589.594	4980.5	4851.8	0.131205 mg/L	0.131205 mg/L
2	Ni 231.603	76.0	74.1	0.0030404 mg/L	0.0030404 mg/L
2	Pb 220.353	7.9	7.7	0.0248825 mg/L	0.0248825 mg/L
2	Sb 206.831	3.8	3.7	-0.0149388 mg/L	-0.0149388 mg/L
2	Se 196.026	77.8	75.8	0.0098778 mg/L	0.0098778 mg/L
2	Si 251.611	3897.4	3796.7	-0.780111 mg/L	-0.780111 mg/L
2	Sn 189.933	5.3	5.2	0.0931136 mg/L	0.0931136 mg/L
2	Sr 407.771	3885.3	3784.9	0.0002699 mg/L	0.0002699 mg/L
2	Ti 334.941	1778.1	1732.1	-0.0019229 mg/L	-0.0019229 mg/L
2	Tl 190.800	23.9	23.3	0.0534782 mg/L	0.0534782 mg/L
2	V 292.402	-224.5	-218.7	0.0047084 mg/L	0.0047084 mg/L
2	Zn 206.200	31.6	30.8	0.0131312 mg/L	0.0131312 mg/L

Mean Data

ID: MDL6 Seq. No.: 8 Sample No.: 8 A/S Pos: 48
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/21/10 1:02:30 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	401648.3	103.0	0.48	mg/L				0.46%
Y 360.064	244773.6	103.4	0.53	mg/L				0.51%
Ag 328.068	2.9	-0.0005711	0.00218910	mg/L	-0.0005711	0.00218910	mg/L	383.28%
Al 396.140	59.6	-0.0213663	0.00589346	mg/L	-0.0213663	0.00589346	mg/L	27.58%
As 188.979	9.4	0.0482575	0.01673576	mg/L	0.0482575	0.01673576	mg/L	34.68%
B 249.773	94.7	-0.0044836	0.00092240	mg/L	-0.0044836	0.00092240	mg/L	20.57%
Ba 455.403	9315.6	-0.0001989	0.00015796	mg/L	-0.0001989	0.00015796	mg/L	79.44%
Be 234.861	94.8	-0.0000447	0.00001246	mg/L	-0.0000447	0.00001246	mg/L	27.86%
Ca 315.887	613.3	0.0633752	0.00272694	mg/L	0.0633752	0.00272694	mg/L	4.30%
Cd 214.438	70.1	0.0019505	0.00023174	mg/L	0.0019505	0.00023174	mg/L	11.88%
Ce 413.765	-224.4	-0.0137502	0.00267938	mg/L	-0.0137502	0.00267938	mg/L	19.49%
Co 228.616	-8.8	-0.0012314	0.00493023	mg/L	-0.0012314	0.00493023	mg/L	400.39%
Cr 205.560	49.8	0.0016432	0.00002400	mg/L	0.0016432	0.00002400	mg/L	1.46%
Cu 327.394	-29.2	-0.0031361	0.00582814	mg/L	-0.0031361	0.00582814	mg/L	185.84%
Fe 238.204	189.2	0.0084141	0.00142461	mg/L	0.0084141	0.00142461	mg/L	16.93%
K 766.514	2005.4	-0.0877437	0.00188398	mg/L	-0.0877437	0.00188398	mg/L	2.15%
Li 670.781	228.8	-0.0027183	0.00022288	mg/L	-0.0027183	0.00022288	mg/L	8.20%
Mg 279.074	13.2	-0.0157041	0.02590834	mg/L	-0.0157041	0.02590834	mg/L	164.98%
Mn 257.610	-152.0	-0.0017282	0.00005119	mg/L	-0.0017282	0.00005119	mg/L	2.96%
Mo 202.031	9.1	0.0068957	0.00452671	mg/L	0.0068957	0.00452671	mg/L	65.65%
Na 589.594	4811.7	0.128279	0.0041374	mg/L	0.128279	0.0041374	mg/L	3.23%
Ni 231.603	77.2	0.0050244	0.00280581	mg/L	0.0050244	0.00280581	mg/L	55.84%
Pb 220.353	2.4	0.0033674	0.03042694	mg/L	0.0033674	0.03042694	mg/L	903.56%
Sb 206.831	4.0	-0.0128943	0.00289139	mg/L	-0.0128943	0.00289139	mg/L	22.42%
Se 196.026	70.1	-0.0363653	0.06539765	mg/L	-0.0363653	0.06539765	mg/L	179.84%
Si 251.611	4144.9	-0.712216	0.0960180	mg/L	-0.712216	0.0960180	mg/L	13.48%
Sn 189.933	3.9	0.0790058	0.01995154	mg/L	0.0790058	0.01995154	mg/L	25.25%
Sr 407.771	3791.4	0.0002750	0.00000720	mg/L	0.0002750	0.00000720	mg/L	2.62%
Ti 334.941	1760.4	-0.0015862	0.00047622	mg/L	-0.0015862	0.00047622	mg/L	30.02%

Tl 190.800	24.4	0.0609390	0.01055111 mg/L	0.0609390	0.01055111 mg/L	17.31%
V 292.402	-228.8	0.0039862	0.00102131 mg/L	0.0039862	0.00102131 mg/L	25.62%
Zn 206.200	32.2	0.0138360	0.00099667 mg/L	0.0138360	0.00099667 mg/L	7.20%

Replicate Data

ID: MDL7 Date: 1/21/10 1:05:37 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	398623.0	398623.0	102.2	mg/L		
1	Y 360.064	242560.3	242560.3	102.5	mg/L		
1	Ag 328.068	-42.5	-41.6	-0.0024991	mg/L	-0.0024991	mg/L
1	Al 396.140	-9.8	-9.6	-0.0314674	mg/L	-0.0314674	mg/L
1	As 188.979	12.9	12.6	0.0687303	mg/L	0.0687303	mg/L
1	B 249.773	74.2	72.6	-0.0068869	mg/L	-0.0068869	mg/L
1	Ba 455.403	9655.1	9445.8	0.0000304	mg/L	0.0000304	mg/L
1	Be 234.861	96.6	94.5	-0.0000482	mg/L	-0.0000482	mg/L
1	Ca 315.887	582.2	569.6	0.0586106	mg/L	0.0586106	mg/L
1	Cd 214.438	71.1	69.6	0.0018561	mg/L	0.0018561	mg/L
1	Ce 413.765	-256.0	-250.5	-0.0180548	mg/L	-0.0180548	mg/L
1	Co 228.616	-28.8	-28.2	-0.0077272	mg/L	-0.0077272	mg/L
1	Cr 205.560	59.9	58.6	0.0102736	mg/L	0.0102736	mg/L
1	Cu 327.394	-55.8	-54.6	-0.0050498	mg/L	-0.0050498	mg/L
1	Fe 238.204	219.3	214.6	0.0115210	mg/L	0.0115210	mg/L
1	K 766.514	2030.8	1986.7	-0.0939541	mg/L	-0.0939541	mg/L
1	Li 670.781	276.5	270.5	-0.0024343	mg/L	-0.0024343	mg/L
1	Mg 279.074	53.6	52.4	0.0185797	mg/L	0.0185797	mg/L
1	Mn 257.610	-189.1	-185.0	-0.0022131	mg/L	-0.0022131	mg/L
1	Mo 202.031	12.2	11.9	0.0115001	mg/L	0.0115001	mg/L
1	Na 589.594	5112.0	5001.2	0.142125	mg/L	0.142125	mg/L
1	Ni 231.603	82.8	81.0	0.0074406	mg/L	0.0074406	mg/L
1	Pb 220.353	2.3	2.3	0.0027917	mg/L	0.0027917	mg/L
1	Sb 206.831	15.8	15.5	0.0501367	mg/L	0.0501367	mg/L
1	Se 196.026	86.2	84.3	0.0789619	mg/L	0.0789619	mg/L
1	Si 251.611	4381.9	4286.9	-0.684523	mg/L	-0.684523	mg/L
1	Sn 189.933	4.2	4.1	0.0814286	mg/L	0.0814286	mg/L
1	Sr 407.771	3985.9	3899.5	0.0003592	mg/L	0.0003592	mg/L
1	Ti 334.941	1754.2	1716.2	-0.0021128	mg/L	-0.0021128	mg/L
1	Tl 190.800	20.0	19.5	0.0286524	mg/L	0.0286524	mg/L
1	V 292.402	-180.3	-176.4	0.0077192	mg/L	0.0077192	mg/L
1	Zn 206.200	33.9	33.1	0.0143071	mg/L	0.0143071	mg/L
2	Sc 357.253	401995.4	401995.4	103.1	mg/L		
2	Y 360.064	244967.8	244967.8	103.5	mg/L		
2	Ag 328.068	-31.8	-30.8	-0.0020329	mg/L	-0.0020329	mg/L
2	Al 396.140	56.3	54.7	-0.0220932	mg/L	-0.0220932	mg/L
2	As 188.979	4.8	4.6	0.0184772	mg/L	0.0184772	mg/L
2	B 249.773	81.8	79.3	-0.0061544	mg/L	-0.0061544	mg/L
2	Ba 455.403	9549.6	9264.2	-0.0002894	mg/L	-0.0002894	mg/L
2	Be 234.861	88.3	85.6	-0.0001594	mg/L	-0.0001594	mg/L
2	Ca 315.887	577.2	560.0	0.0575576	mg/L	0.0575576	mg/L
2	Cd 214.438	74.6	72.3	0.0023206	mg/L	0.0023206	mg/L
2	Ce 413.765	-90.8	-88.1	0.0087770	mg/L	0.0087770	mg/L
2	Co 228.616	-7.2	-7.0	-0.0006124	mg/L	-0.0006124	mg/L
2	Cr 205.560	45.5	44.1	-0.0038731	mg/L	-0.0038731	mg/L
2	Cu 327.394	-49.6	-48.1	-0.0045629	mg/L	-0.0045629	mg/L
2	Fe 238.204	205.1	198.9	0.0096050	mg/L	0.0096050	mg/L
2	K 766.514	2212.4	2146.3	-0.0407514	mg/L	-0.0407514	mg/L
2	Li 670.781	400.6	388.6	-0.0016297	mg/L	-0.0016297	mg/L
2	Mg 279.074	-0.4	-0.4	-0.0276320	mg/L	-0.0276320	mg/L
2	Mn 257.610	-207.9	-201.7	-0.0024576	mg/L	-0.0024576	mg/L
2	Mo 202.031	7.2	7.0	0.0035727	mg/L	0.0035727	mg/L
2	Na 589.594	4830.2	4685.9	0.119081	mg/L	0.119081	mg/L
2	Ni 231.603	78.3	76.0	0.0042463	mg/L	0.0042463	mg/L
2	Pb 220.353	3.0	2.9	0.0054256	mg/L	0.0054256	mg/L
2	Sb 206.831	11.5	11.2	0.0264678	mg/L	0.0264678	mg/L
2	Se 196.026	76.6	74.3	-0.0023606	mg/L	-0.0023606	mg/L
2	Si 251.611	3633.2	3524.6	-0.833157	mg/L	-0.833157	mg/L
2	Sn 189.933	3.1	3.0	0.0697325	mg/L	0.0697325	mg/L
2	Sr 407.771	4027.9	3907.5	0.0003654	mg/L	0.0003654	mg/L
2	Ti 334.941	1805.5	1751.5	-0.0016917	mg/L	-0.0016917	mg/L

2 Tl 190.800	24.2	23.5	0.0544891 mg/L	0.0544891 mg/L
2 V 292.402	-261.7	-253.8	0.0022000 mg/L	0.0022000 mg/L
2 Zn 206.200	33.1	32.1	0.0138111 mg/L	0.0138111 mg/L

Mean Data

ID: MDL7 Seq. No.: 9 Sample No.: 9 A/S Pos: 49
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/21/10 1:05:37 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	400309.2	102.6	0.61	mg/L				0.60%
Y 360.064	243764.0	103.0	0.72	mg/L				0.70%
Ag 328.068	-36.2	-0.0022660	0.00032962	mg/L	-0.0022660	0.00032962	mg/L	14.55%
Al 396.140	22.6	-0.0267803	0.00662856	mg/L	-0.0267803	0.00662856	mg/L	24.75%
As 188.979	8.6	0.0436038	0.03553435	mg/L	0.0436038	0.03553435	mg/L	81.49%
B 249.773	76.0	-0.0065206	0.00051797	mg/L	-0.0065206	0.00051797	mg/L	7.94%
Ba 455.403	9355.0	-0.0001295	0.00022612	mg/L	-0.0001295	0.00022612	mg/L	174.67%
Be 234.861	90.1	-0.0001038	0.00007859	mg/L	-0.0001038	0.00007859	mg/L	75.72%
Ca 315.887	564.8	0.0580841	0.00074461	mg/L	0.0580841	0.00074461	mg/L	1.28%
Cd 214.438	71.0	0.0020884	0.00032848	mg/L	0.0020884	0.00032848	mg/L	15.73%
Ce 413.765	-169.3	-0.0046389	0.01897297	mg/L	-0.0046389	0.01897297	mg/L	409.00%
Co 228.616	-17.6	-0.0041698	0.00503092	mg/L	-0.0041698	0.00503092	mg/L	120.65%
Cr 205.560	51.4	0.0032003	0.01000327	mg/L	0.0032003	0.01000327	mg/L	312.58%
Cu 327.394	-51.3	-0.0048064	0.00034430	mg/L	-0.0048064	0.00034430	mg/L	7.16%
Fe 238.204	206.8	0.0105630	0.00135483	mg/L	0.0105630	0.00135483	mg/L	12.83%
K 766.514	2066.5	-0.0673528	0.03762002	mg/L	-0.0673528	0.03762002	mg/L	55.86%
Li 670.781	329.5	-0.0020320	0.00056896	mg/L	-0.0020320	0.00056896	mg/L	28.00%
Mg 279.074	26.0	-0.0045261	0.03267663	mg/L	-0.0045261	0.03267663	mg/L	721.95%
Mn 257.610	-193.3	-0.0023354	0.00017287	mg/L	-0.0023354	0.00017287	mg/L	7.40%
Mo 202.031	9.5	0.0075364	0.00560551	mg/L	0.0075364	0.00560551	mg/L	74.38%
Na 589.594	4843.5	0.130603	0.0162947	mg/L	0.130603	0.0162947	mg/L	12.48%
Ni 231.603	78.5	0.0058434	0.00225874	mg/L	0.0058434	0.00225874	mg/L	38.65%
Pb 220.353	2.6	0.0041086	0.00186246	mg/L	0.0041086	0.00186246	mg/L	45.33%
Sb 206.831	13.3	0.0383023	0.01673643	mg/L	0.0383023	0.01673643	mg/L	43.70%
Se 196.026	79.3	0.0383006	0.05750369	mg/L	0.0383006	0.05750369	mg/L	150.14%
Si 251.611	3905.8	-0.758840	0.1050997	mg/L	-0.758840	0.1050997	mg/L	13.85%
Sn 189.933	3.6	0.0755805	0.00827039	mg/L	0.0755805	0.00827039	mg/L	10.94%
Sr 407.771	3903.5	0.0003623	0.00000438	mg/L	0.0003623	0.00000438	mg/L	1.21%
Ti 334.941	1733.9	-0.0019023	0.00029778	mg/L	-0.0019023	0.00029778	mg/L	15.65%
Tl 190.800	21.5	0.0415708	0.01826930	mg/L	0.0415708	0.01826930	mg/L	43.95%
V 292.402	-215.1	0.0049596	0.00390264	mg/L	0.0049596	0.00390264	mg/L	78.69%
Zn 206.200	32.6	0.0140591	0.00035067	mg/L	0.0140591	0.00035067	mg/L	2.49%

Replicate Data

ID: 0A21015-CCV Date: 1/21/10 1:08:53 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	394079.7	394079.7	101.1	mg/L		
1	Y 360.064	239282.2	239282.2	101.1	mg/L		
1	Ag 328.068	11777.4	11655.0	0.504261	mg/L		
1	Al 396.140	17838.8	17653.3	2.54656	mg/L		
1	As 188.979	407.9	403.7	2.52097	mg/L		
1	B 249.773	4741.1	4691.8	0.494151	mg/L		
1	Ba 455.403	297751.1	294655.5	0.502257	mg/L		
1	Be 234.861	4169.0	4125.6	0.0501185	mg/L		
1	Ca 315.887	46636.3	46151.4	5.03276	mg/L		
1	Cd 214.438	3100.8	3068.6	0.504830	mg/L		
1	Ce 413.765	-151.7	-150.1	-0.0014631	mg/L		
1	Co 228.616	1521.0	1505.2	0.506712	mg/L		
1	Cr 205.560	576.5	570.5	0.509563	mg/L		
1	Cu 327.394	6837.4	6766.3	0.509852	mg/L		
1	Fe 238.204	4260.0	4215.7	0.501400	mg/L		
1	K 766.514	17662.2	17478.6	5.07304	mg/L		
1	Li 670.781	75452.5	74668.0	0.504309	mg/L		
1	Mg 279.074	5858.6	5797.7	5.04311	mg/L		
1	Mn 257.610	34747.7	34386.4	0.505579	mg/L		
1	Mo 202.031	315.4	312.2	0.497642	mg/L		
1	Na 589.594	72681.2	71925.6	5.03193	mg/L		
1	Ni 231.603	895.3	886.0	0.514665	mg/L		

1	Pb 220.353	122.0	120.8	0.485059 mg/L
1	Sb 206.831	479.9	474.9	2.58029 mg/L
1	Se 196.026	395.9	391.8	2.58090 mg/L
1	Si 251.611	22154.6	21924.3	2.75433 mg/L
1	Sn 189.933	236.6	234.2	2.54681 mg/L
1	Sr 407.771	655285.8	648473.1	0.502308 mg/L
1	Ti 334.941	44675.9	44211.4	0.503998 mg/L
1	Tl 190.800	393.9	389.8	2.47705 mg/L
1	V 292.402	6920.2	6848.2	0.508678 mg/L
1	Zn 206.200	1016.8	1006.2	0.495378 mg/L
2	Sc 357.253	394548.3	394548.3	101.2 mg/L
2	Y 360.064	239746.1	239746.1	101.3 mg/L
2	Ag 328.068	11822.2	11685.4	0.505576 mg/L
2	Al 396.140	17812.3	17606.2	2.53969 mg/L
2	As 188.979	410.1	405.3	2.53141 mg/L
2	B 249.773	4786.7	4731.4	0.498442 mg/L
2	Ba 455.403	301534.9	298045.7	0.508227 mg/L
2	Be 234.861	4228.1	4179.2	0.0507855 mg/L
2	Ca 315.887	46663.8	46123.8	5.02973 mg/L
2	Cd 214.438	3117.5	3081.4	0.506988 mg/L
2	Ce 413.765	-146.6	-144.9	-0.0006027 mg/L
2	Co 228.616	1529.0	1511.3	0.508774 mg/L
2	Cr 205.560	572.6	566.0	0.505209 mg/L
2	Cu 327.394	6777.2	6698.8	0.504757 mg/L
2	Fe 238.204	4296.6	4246.9	0.505213 mg/L
2	K 766.514	17797.9	17591.9	5.11083 mg/L
2	Li 670.781	76498.0	75612.8	0.510744 mg/L
2	Mg 279.074	5898.1	5829.9	5.07127 mg/L
2	Mn 257.610	34888.9	34485.2	0.507029 mg/L
2	Mo 202.031	320.0	316.3	0.504353 mg/L
2	Na 589.594	73753.5	72900.1	5.10314 mg/L
2	Ni 231.603	891.6	881.3	0.511696 mg/L
2	Pb 220.353	131.6	130.1	0.522840 mg/L
2	Sb 206.831	478.1	472.6	2.56739 mg/L
2	Se 196.026	393.4	388.8	2.55650 mg/L
2	Si 251.611	23453.9	23182.5	2.99966 mg/L
2	Sn 189.933	235.6	232.8	2.53276 mg/L
2	Sr 407.771	664608.8	656918.2	0.508885 mg/L
2	Ti 334.941	44868.0	44348.8	0.505633 mg/L
2	Tl 190.800	407.9	403.2	2.56536 mg/L
2	V 292.402	6956.6	6876.1	0.510665 mg/L
2	Zn 206.200	1034.6	1022.7	0.503503 mg/L

Mean Data

ID: 0A21015-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: 1/21/10 1:08:53 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Sc 357.253	394314.0	101.1	0.08	mg/L				0.08%
Y 360.064	239514.1	101.2	0.14	mg/L				0.14%
Ag 328.068	11670.2	0.504919	0.0009301	mg/L				0.18%
Al 396.140	17629.8	2.54313	0.004859	mg/L				0.19%
As 188.979	404.5	2.52619	0.007384	mg/L				0.29%
B 249.773	4711.6	0.496296	0.0030344	mg/L				0.61%
Ba 455.403	296350.6	0.505242	0.0042213	mg/L				0.84%
Be 234.861	4152.4	0.0504520	0.00047165	mg/L				0.93%
Ca 315.887	46137.6	5.03124	0.002149	mg/L				0.04%
Cd 214.438	3075.0	0.505909	0.0015255	mg/L				0.30%
Ce 413.765	-147.5	-0.0010329	0.00060836	mg/L				58.90%
Co 228.616	1508.2	0.507743	0.0014584	mg/L				0.29%
Cr 205.560	568.2	0.507386	0.0030793	mg/L				0.61%
Cu 327.394	6732.5	0.507305	0.0036025	mg/L				0.71%
Fe 238.204	4231.3	0.503307	0.0026959	mg/L				0.54%
K 766.514	17535.2	5.09193	0.026723	mg/L				0.52%
Li 670.781	75140.4	0.507527	0.0045501	mg/L				0.90%
Mg 279.074	5813.8	5.05719	0.019908	mg/L				0.39%
Mn 257.610	34435.8	0.506304	0.0010256	mg/L				0.20%
Mo 202.031	314.2	0.500997	0.0047454	mg/L				0.95%
Na 589.594	72412.8	5.06754	0.050347	mg/L				0.99%

Ni 231.603	883.7	0.513180	0.0020992 mg/L	0.41%
Pb 220.353	125.4	0.503950	0.0267150 mg/L	5.30%
Sb 206.831	473.7	2.57384	0.009122 mg/L	0.35%
Se 196.026	390.3	2.56870	0.017252 mg/L	0.67%
Si 251.611	22553.4	2.87700	0.173474 mg/L	6.03%
*QC exceeds upper limit for Si 251.611			Recovery = 115.08% Action = Continue	
Sn 189.933	233.5	2.53979	0.009933 mg/L	0.39%
Sr 407.771	652695.7	0.505597	0.0046502 mg/L	0.92%
Ti 334.941	44280.1	0.504815	0.0011567 mg/L	0.23%
Tl 190.800	396.5	2.52120	0.062443 mg/L	2.48%
V 292.402	6862.2	0.509671	0.0014052 mg/L	0.28%
Zn 206.200	1014.5	0.499440	0.0057457 mg/L	1.15%

Replicate Data

ID: 0A21015-CCB Date: 1/21/10 1:12:09 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	389769.1	389769.1	99.9	mg/L		
1	Y 360.064	236805.5	236805.5	100.1	mg/L		
1	Ag 328.068	48.1	48.1	0.0013875	mg/L		
1	Al 396.140	5.9	5.9	-0.0292066	mg/L		
1	As 188.979	2.1	2.1	0.0023378	mg/L		
1	B 249.773	152.7	152.8	0.0018167	mg/L		
1	Ba 455.403	8537.0	8541.6	-0.0015617	mg/L		
1	Be 234.861	77.7	77.7	-0.0002578	mg/L		
1	Ca 315.887	-200.1	-200.2	-0.0254299	mg/L		
1	Cd 214.438	42.8	42.8	-0.0026382	mg/L		
1	Ce 413.765	-115.0	-115.1	0.0043212	mg/L		
1	Co 228.616	-10.6	-10.6	-0.0018132	mg/L		
1	Cr 205.560	36.8	36.8	-0.0110260	mg/L		
1	Cu 327.394	-10.2	-10.2	-0.0016993	mg/L		
1	Fe 238.204	145.3	145.4	0.0030484	mg/L		
1	K 766.514	2090.6	2091.7	-0.0589406	mg/L		
1	Li 670.781	316.6	316.8	-0.0021189	mg/L		
1	Mg 279.074	-25.5	-25.5	-0.0495407	mg/L		
1	Mn 257.610	-187.2	-187.3	-0.0022467	mg/L		
1	Mo 202.031	8.3	8.3	0.0055881	mg/L		
1	Na 589.594	2841.0	2842.5	-0.0156327	mg/L		
1	Ni 231.603	67.9	67.9	-0.0008207	mg/L		
1	Pb 220.353	-2.5	-2.5	-0.0165922	mg/L		
1	Sb 206.831	4.2	4.2	-0.0121215	mg/L		
1	Se 196.026	76.1	76.1	0.0123183	mg/L		
1	Si 251.611	5988.9	5992.2	-0.352042	mg/L		
1	Sn 189.933	-1.8	-1.8	0.0178533	mg/L		
1	Sr 407.771	781.6	782.1	-0.0020685	mg/L		
1	Ti 334.941	1853.2	1854.2	-0.0004691	mg/L		
1	Tl 190.800	16.9	16.9	0.0109341	mg/L		
1	V 292.402	-291.9	-292.1	-0.0005273	mg/L		
1	Zn 206.200	-5.8	-5.8	-0.0049428	mg/L		
2	Sc 357.253	389167.5	389167.5	99.8	mg/L		
2	Y 360.064	236450.7	236450.7	99.9	mg/L		
2	Ag 328.068	12.4	12.5	-0.0001574	mg/L		
2	Al 396.140	136.9	137.2	-0.0100435	mg/L		
2	As 188.979	5.8	5.8	0.0257582	mg/L		
2	B 249.773	132.6	132.8	-0.0003493	mg/L		
2	Ba 455.403	8437.7	8455.4	-0.0017135	mg/L		
2	Be 234.861	66.1	66.2	-0.0004011	mg/L		
2	Ca 315.887	-278.9	-279.5	-0.0340891	mg/L		
2	Cd 214.438	49.5	49.6	-0.0014946	mg/L		
2	Ce 413.765	-149.3	-149.6	-0.0013810	mg/L		
2	Co 228.616	6.8	6.9	0.0040313	mg/L		
2	Cr 205.560	39.5	39.6	-0.0083124	mg/L		
2	Cu 327.394	-15.1	-15.2	-0.0020764	mg/L		
2	Fe 238.204	119.9	120.2	-0.0000392	mg/L		
2	K 766.514	2214.3	2219.0	-0.0165100	mg/L		
2	Li 670.781	392.9	393.8	-0.0015945	mg/L		
2	Mg 279.074	-0.9	-0.9	-0.0280586	mg/L		
2	Mn 257.610	-167.2	-167.6	-0.0019569	mg/L		
2	Mo 202.031	9.5	9.5	0.0076530	mg/L		

2 Na 589.594	2712.8	2718.5	-0.0246975	mg/L
2 Ni 231.603	92.1	92.3	0.0145314	mg/L
2 Pb 220.353	-8.0	-8.0	-0.0390720	mg/L
2 Sb 206.831	-6.4	-6.4	-0.0705616	mg/L
2 Se 196.026	73.7	73.9	-0.0057144	mg/L
2 Si 251.611	5003.6	5014.1	-0.542735	mg/L
2 Sn 189.933	-2.6	-2.6	0.0094364	mg/L
2 Sr 407.771	800.7	802.4	-0.0020527	mg/L
2 Ti 334.941	1808.3	1812.1	-0.0009706	mg/L
2 Tl 190.800	4.8	4.8	-0.0690826	mg/L
2 V 292.402	-257.3	-257.9	0.0019110	mg/L
2 Zn 206.200	1.3	1.3	-0.0014487	mg/L

Mean Data

ID: 0A21015-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: 1/21/10 1:12:09 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Sc 357.253	389468.3	99.9	0.11	mg/L				0.11%
Y 360.064	236628.1	100.0	0.11	mg/L				0.11%
Ag 328.068	30.3	0.0006150	0.00109237	mg/L				177.61%
Al 396.140	71.6	-0.0196250	0.01355036	mg/L				69.05%
As 188.979	3.9	0.0140480	0.01656071	mg/L				117.89%
B 249.773	142.8	0.0007337	0.00153161	mg/L				208.75%
Ba 455.403	8498.5	-0.0016376	0.00010737	mg/L				6.56%
Be 234.861	71.9	-0.0003295	0.00010136	mg/L				30.77%
Ca 315.887	-239.8	-0.0297595	0.00612299	mg/L				20.57%
Cd 214.438	46.2	-0.0020664	0.00080861	mg/L				39.13%
Ce 413.765	-132.3	0.0014701	0.00403209	mg/L				274.28%
Co 228.616	-1.9	0.0011091	0.00413268	mg/L				372.62%
Cr 205.560	38.2	-0.0096692	0.00191883	mg/L				19.84%
Cu 327.394	-12.7	-0.0018879	0.00026666	mg/L				14.13%
Fe 238.204	132.8	0.0015046	0.00218325	mg/L				145.11%
K 766.514	2155.4	-0.0377253	0.03000293	mg/L				79.53%
Li 670.781	355.3	-0.0018567	0.00037082	mg/L				19.97%
Mg 279.074	-13.2	-0.0387997	0.01519010	mg/L				39.15%
Mn 257.610	-177.4	-0.0021018	0.00020490	mg/L				9.75%
Mo 202.031	8.9	0.0066205	0.00146013	mg/L				22.05%
Na 589.594	2780.5	-0.0201651	0.00640971	mg/L				31.79%
Ni 231.603	80.1	0.0068553	0.01085560	mg/L				158.35%
Pb 220.353	-5.3	-0.0278321	0.01589564	mg/L				57.11%
Sb 206.831	-1.1	-0.0413416	0.04132339	mg/L				99.96%
Se 196.026	75.0	0.0033020	0.01275105	mg/L				386.17%
Si 251.611	5503.1	-0.447389	0.1348403	mg/L				30.14%
Sn 189.933	-2.2	0.0136449	0.00595165	mg/L				43.62%
Sr 407.771	792.2	-0.0020606	0.00001119	mg/L				0.54%
Ti 334.941	1833.1	-0.0007199	0.00035461	mg/L				49.26%
Tl 190.800	10.8	-0.0290742	0.05658038	mg/L				194.61%
V 292.402	-275.0	0.0006919	0.00172414	mg/L				249.19%
Zn 206.200	-2.3	-0.0031957	0.00247074	mg/L				77.31%

Calibration Summary
Method: SOIL_6010C_101 Date: 1/21/10 1:14:29 PM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
Ag 328.068	4	Linear	16.1	23081.1	0.00000	0.999973
Al 396.140	4	Linear	206.0	6851.3	0.00000	0.999976
As 188.979	4	Linear	1.7	159.5	0.00000	0.999965
B 249.773	3	Linear	136.1	9219.3	0.00000	0.999964
Ba 455.403	4	Linear	9428.5	567890.5	0.00000	0.999989
Be 234.861	4	Linear	98.4	80353.6	0.00000	0.999957
Ca 315.887	4	Linear	32.8	9159.7	0.00000	0.999964
Cd 214.438	4	Linear	58.5	5962.5	0.00000	0.999975
Ce 413.765	1	Linear	-141.2	6051.3	0.00000	1.000000
Co 228.616	4	Linear	-5.2	2980.7	0.00000	0.999976
Cr 205.560	4	Linear	48.1	1025.2	0.00000	0.999852
Cu 327.394	4	Linear	12.3	13246.9	0.00000	0.999949
Fe 238.204	4	Linear	120.5	8167.6	0.00000	0.999978
K 766.514	4	Linear	2268.5	2998.8	0.00000	0.999975
Li 670.781	4	Linear	627.9	146815.0	0.00000	0.999990
Mg 279.074	4	Linear	31.2	1143.4	0.00000	0.999976
Mn 257.610	4	Linear	-34.4	68082.0	0.00000	0.999970
Mo 202.031	3	Linear	4.8	617.6	0.00000	0.999968
Na 589.594	4	Linear	3056.4	13683.4	0.00000	0.999993
Ni 231.603	4	Linear	69.2	1587.0	0.00000	0.999954
Pb 220.353	4	Linear	1.6	245.8	0.00000	0.999766
Sb 206.831	4	Linear	6.4	181.6	0.00000	0.999985
Se 196.026	4	Linear	74.6	122.9	0.00000	0.999953
Si 251.611	4	Linear	7797.7	5128.8	0.00000	0.999994
Sn 189.933	4	Linear	-3.5	93.3	0.00000	0.999973
Sr 407.771	4	Linear	3438.3	1284141.1	0.00000	0.999989
Ti 334.941	3	Linear	1893.6	83964.4	0.00000	0.999995
Tl 190.800	4	Linear	15.2	151.2	0.00000	0.999991
V 292.402	4	Linear	-284.7	14022.6	0.00000	0.999974
Zn 206.200	4	Linear	4.2	2022.8	0.00000	0.999977

Method: SOIL_6010C_101 IEC: IEC-35.IEC MSF:
Results: 0A21015 Spectra Stored: Yes Method Stored: Yes
Sample Info: 0a21015 User: User1 Date: 1/21/10 1:14:29 PM
Method Description: Solid 6010C

Replicate Data
ID: MDL VER Date: 1/21/10 1:15:57 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	398991.7	398991.7	102.3	mg/L		
1	Y 360.064	242781.1	242781.1	102.6	mg/L		
1	Ag 328.068	-36.5	-35.6	-0.0022417	mg/L	-0.0022417	mg/L
1	Al 396.140	153.9	150.4	-0.0081205	mg/L	-0.0081205	mg/L
1	As 188.979	15.8	15.4	0.0862400	mg/L	0.0862400	mg/L
1	B 249.773	86.6	84.6	-0.0055821	mg/L	-0.0055821	mg/L
1	Ba 455.403	9563.4	9347.5	-0.0001426	mg/L	-0.0001426	mg/L
1	Be 234.861	90.1	88.1	-0.0001289	mg/L	-0.0001289	mg/L
1	Ca 315.887	735.8	719.2	0.0749403	mg/L	0.0749403	mg/L
1	Cd 214.438	71.1	69.5	0.0018374	mg/L	0.0018374	mg/L
1	Ce 413.765	-83.7	-81.8	0.0098145	mg/L	0.0098145	mg/L
1	Co 228.616	-12.6	-12.4	-0.0024151	mg/L	-0.0024151	mg/L
1	Cr 205.560	47.4	46.4	-0.0016769	mg/L	-0.0016769	mg/L
1	Cu 327.394	-116.3	-113.6	-0.0095101	mg/L	-0.0095101	mg/L
1	Fe 238.204	183.0	178.8	0.0071467	mg/L	0.0071467	mg/L
1	K 766.514	2078.6	2031.7	-0.0789652	mg/L	-0.0789652	mg/L
1	Li 670.781	423.1	413.6	-0.0014595	mg/L	-0.0014595	mg/L
1	Mg 279.074	26.1	25.5	-0.0049524	mg/L	-0.0049524	mg/L
1	Mn 257.610	-195.9	-191.5	-0.0023078	mg/L	-0.0023078	mg/L
1	Mo 202.031	13.0	12.7	0.0128183	mg/L	0.0128183	mg/L
1	Na 589.594	4986.8	4874.2	0.132847	mg/L	0.132847	mg/L
1	Ni 231.603	71.0	69.4	0.0001021	mg/L	0.0001021	mg/L

1 Pb 220.353	4.8	4.7	0.0125331 mg/L	0.0125331 mg/L	
1 Sb 206.831	-1.7	-1.7	-0.0443856 mg/L	-0.0443856 mg/L	
1 Se 196.026	74.9	73.2	-0.0110880 mg/L	-0.0110880 mg/L	
1 Si 251.611	6030.5	5894.3	-0.371118 mg/L	-0.371118 mg/L	
1 Sn 189.933	2.8	2.8	0.0670529 mg/L	0.0670529 mg/L	
1 Sr 407.771	3955.5	3866.2	0.0003332 mg/L	0.0003332 mg/L	
1 Ti 334.941	1850.6	1808.8	-0.0010091 mg/L	-0.0010091 mg/L	
1 Tl 190.800	27.3	26.7	0.0758084 mg/L	0.0758084 mg/L	
1 V 292.402	-179.4	-175.4	0.0077958 mg/L	0.0077958 mg/L	
1 Zn 206.200	34.2	33.4	0.0144367 mg/L	0.0144367 mg/L	
2 Sc 357.253	403338.4	403338.4	103.4 mg/L		
2 Y 360.064	245757.1	245757.1	103.9 mg/L		
2 Ag 328.068	-69.5	-67.2	-0.0036071 mg/L	-0.0036071 mg/L	
2 Al 396.140	173.6	167.9	-0.0055714 mg/L	-0.0055714 mg/L	
2 As 188.979	10.6	10.2	0.0534672 mg/L	0.0534672 mg/L	
2 B 249.773	104.5	101.0	-0.0038020 mg/L	-0.0038020 mg/L	
2 Ba 455.403	9655.8	9336.0	-0.0001628 mg/L	-0.0001628 mg/L	
2 Be 234.861	81.9	79.2	-0.0002398 mg/L	-0.0002398 mg/L	
2 Ca 315.887	607.3	587.2	0.0605296 mg/L	0.0605296 mg/L	
2 Cd 214.438	76.6	74.1	0.0026084 mg/L	0.0026084 mg/L	
2 Ce 413.765	-65.2	-63.0	0.0129213 mg/L	0.0129213 mg/L	
2 Co 228.616	-14.4	-13.9	-0.0029314 mg/L	-0.0029314 mg/L	
2 Cr 205.560	58.6	56.7	0.0083753 mg/L	0.0083753 mg/L	
2 Cu 327.394	5.9	5.7	-0.0005026 mg/L	-0.0005026 mg/L	
2 Fe 238.204	207.0	200.1	0.0097496 mg/L	0.0097496 mg/L	
2 K 766.514	2173.9	2101.9	-0.0555445 mg/L	-0.0555445 mg/L	
2 Li 670.781	236.7	228.9	-0.0027176 mg/L	-0.0027176 mg/L	
2 Mg 279.074	23.1	22.3	-0.0077479 mg/L	-0.0077479 mg/L	
2 Mn 257.610	-209.6	-202.7	-0.0024727 mg/L	-0.0024727 mg/L	
2 Mo 202.031	13.7	13.3	0.0137298 mg/L	0.0137298 mg/L	
2 Na 589.594	4796.5	4637.7	0.115559 mg/L	0.115559 mg/L	
2 Ni 231.603	67.1	64.9	-0.0027584 mg/L	-0.0027584 mg/L	
2 Pb 220.353	-5.7	-5.5	-0.0289352 mg/L	-0.0289352 mg/L	
2 Sb 206.831	16.9	16.4	0.0550224 mg/L	0.0550224 mg/L	
2 Se 196.026	83.6	80.9	0.0509196 mg/L	0.0509196 mg/L	
2 Si 251.611	5127.2	4957.5	-0.553783 mg/L	-0.553783 mg/L	
2 Sn 189.933	1.8	1.7	0.0562448 mg/L	0.0562448 mg/L	
2 Sr 407.771	3901.9	3772.7	0.0002604 mg/L	0.0002604 mg/L	
2 Ti 334.941	1778.2	1719.3	-0.0020750 mg/L	-0.0020750 mg/L	
2 Tl 190.800	18.0	17.4	0.0145178 mg/L	0.0145178 mg/L	
2 V 292.402	-189.7	-183.4	0.0072243 mg/L	0.0072243 mg/L	
2 Zn 206.200	22.9	22.2	0.0088912 mg/L	0.0088912 mg/L	

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

ID: MDL VER Seq. No.: 1 Sample No.: 1 A/S Pos: 50
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/21/10 1:15:57 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	401165.1	102.9	0.79	mg/L				0.77%
Y 360.064	244269.1	103.2	0.89	mg/L				0.86%
Ag 328.068	-51.4	-0.0029244	0.00096544	mg/L	-0.0029244	0.00096544	mg/L	33.01%
Al 396.140	159.1	-0.0068459	0.00180246	mg/L	-0.0068459	0.00180246	mg/L	26.33%
As 188.979	12.8	0.0698536	0.02317385	mg/L	0.0698536	0.02317385	mg/L	33.17%
B 249.773	92.8	-0.0046921	0.00125866	mg/L	-0.0046921	0.00125866	mg/L	26.83%
Ba 455.403	9341.8	-0.0001527	0.00001429	mg/L	-0.0001527	0.00001429	mg/L	9.35%
Be 234.861	83.6	-0.0001843	0.00007842	mg/L	-0.0001843	0.00007842	mg/L	42.54%
Ca 315.887	653.2	0.0677349	0.01018994	mg/L	0.0677349	0.01018994	mg/L	15.04%
Cd 214.438	71.8	0.0022229	0.00054518	mg/L	0.0022229	0.00054518	mg/L	24.53%
Ce 413.765	-72.4	0.0113679	0.00219688	mg/L	0.0113679	0.00219688	mg/L	19.33%
Co 228.616	-13.1	-0.0026733	0.00036513	mg/L	-0.0026733	0.00036513	mg/L	13.66%
Cr 205.560	51.5	0.0033492	0.00710799	mg/L	0.0033492	0.00710799	mg/L	212.23%
Cu 327.394	-54.0	-0.0050063	0.00636926	mg/L	-0.0050063	0.00636926	mg/L	127.22%
Fe 238.204	189.5	0.0084481	0.00184051	mg/L	0.0084481	0.00184051	mg/L	21.79%
K 766.514	2066.8	-0.0672548	0.01656099	mg/L	-0.0672548	0.01656099	mg/L	24.62%
Li 670.781	321.2	-0.0020885	0.00088964	mg/L	-0.0020885	0.00088964	mg/L	42.60%
Mg 279.074	23.9	-0.0063502	0.00197671	mg/L	-0.0063502	0.00197671	mg/L	31.13%
Mn 257.610	-197.1	-0.0023903	0.00011655	mg/L	-0.0023903	0.00011655	mg/L	4.88%
Mo 202.031	13.0	0.0132741	0.00064453	mg/L	0.0132741	0.00064453	mg/L	4.86%
Na 589.594	4755.9	0.124203	0.0122245	mg/L	0.124203	0.0122245	mg/L	9.84%

Ni 231.603	67.1	-0.0013281	0.00202270	mg/L	-0.0013281	0.00202270 mg/L	152.30%
Pb 220.353	-0.4	-0.0082011	0.02932251	mg/L	-0.0082011	0.02932251 mg/L	357.54%
Sb 206.831	7.3	0.0053184	0.07029207	mg/L	0.0053184	0.07029207 mg/L	>999.9%
Se 196.026	77.0	0.0199158	0.04384602	mg/L	0.0199158	0.04384602 mg/L	220.16%
Si 251.611	5425.9	-0.462450	0.1291634	mg/L	-0.462450	0.1291634 mg/L	27.93%
Sn 189.933	2.3	0.0616489	0.00764249	mg/L	0.0616489	0.00764249 mg/L	12.40%
Sr 407.771	3819.5	0.0002968	0.00005144	mg/L	0.0002968	0.00005144 mg/L	17.33%
Ti 334.941	1764.1	-0.0015421	0.00075370	mg/L	-0.0015421	0.00075370 mg/L	48.88%
Tl 190.800	22.0	0.0451631	0.04333897	mg/L	0.0451631	0.04333897 mg/L	95.96%
V 292.402	-179.4	0.0075101	0.00040415	mg/L	0.0075101	0.00040415 mg/L	5.38%
Zn 206.200	27.8	0.0116640	0.00392123	mg/L	0.0116640	0.00392123 mg/L	33.62%

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

ID: LOQ Date: 1/21/10 1:19:05 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	396068.3	396068.3	101.6	mg/L		
1	Y 360.064	240954.9	240954.9	101.8	mg/L		
1	Ag 328.068	147.8	145.5	0.0056067	mg/L	0.0056067	mg/L
1	Al 396.140	451.7	444.8	0.0348480	mg/L	0.0348480	mg/L
1	As 188.979	20.6	20.3	0.116477	mg/L	0.116477	mg/L
1	B 249.773	410.8	404.5	0.0291160	mg/L	0.0291160	mg/L
1	Ba 455.403	14126.2	13909.2	0.0078901	mg/L	0.0078901	mg/L
1	Be 234.861	160.7	158.2	0.0007439	mg/L	0.0007439	mg/L
1	Ca 315.887	4557.6	4487.6	0.486346	mg/L	0.486346	mg/L
1	Cd 214.438	75.1	73.9	0.0025824	mg/L	0.0025824	mg/L
1	Ce 413.765	-137.3	-135.2	0.0009963	mg/L	0.0009963	mg/L
1	Co 228.616	17.9	17.6	0.0076397	mg/L	0.0076397	mg/L
1	Cr 205.560	59.3	58.4	0.0100707	mg/L	0.0100707	mg/L
1	Cu 327.394	145.8	143.5	0.0099042	mg/L	0.0099042	mg/L
1	Fe 238.204	192.4	189.4	0.0084429	mg/L	0.0084429	mg/L
1	K 766.514	2305.7	2270.2	0.0005870	mg/L	0.0005870	mg/L
1	Li 670.781	1521.8	1498.4	0.0059297	mg/L	0.0059297	mg/L
1	Mg 279.074	566.3	557.6	0.460458	mg/L	0.460458	mg/L
1	Mn 257.610	506.2	498.4	0.0078258	mg/L	0.0078258	mg/L
1	Mo 202.031	61.0	60.0	0.0894398	mg/L	0.0894398	mg/L
1	Na 589.594	9661.5	9513.0	0.471856	mg/L	0.471856	mg/L
1	Ni 231.603	83.2	81.9	0.0079742	mg/L	0.0079742	mg/L
1	Pb 220.353	13.6	13.3	0.0479003	mg/L	0.0479003	mg/L
1	Sb 206.831	25.0	24.6	0.100434	mg/L	0.100434	mg/L
1	Se 196.026	82.3	81.0	0.0522104	mg/L	0.0522104	mg/L
1	Si 251.611	4208.3	4143.6	-0.712463	mg/L	-0.712463	mg/L
1	Sn 189.933	8.4	8.3	0.126389	mg/L	0.126389	mg/L
1	Sr 407.771	65285.8	64282.7	0.0473814	mg/L	0.0473814	mg/L
1	Ti 334.941	10329.2	10170.5	0.0985770	mg/L	0.0985770	mg/L
1	Tl 190.800	31.4	30.9	0.103535	mg/L	0.103535	mg/L
1	V 292.402	-122.4	-120.6	0.0117043	mg/L	0.0117043	mg/L
1	Zn 206.200	47.6	46.9	0.0210965	mg/L	0.0210965	mg/L
2	Sc 357.253	401104.7	401104.7	102.9	mg/L		
2	Y 360.064	244216.5	244216.5	103.2	mg/L		
2	Ag 328.068	36.0	35.0	0.0008209	mg/L	0.0008209	mg/L
2	Al 396.140	453.6	441.0	0.0343010	mg/L	0.0343010	mg/L
2	As 188.979	22.0	21.4	0.123784	mg/L	0.123784	mg/L
2	B 249.773	451.4	438.9	0.0328484	mg/L	0.0328484	mg/L
2	Ba 455.403	14108.0	13716.8	0.0075513	mg/L	0.0075513	mg/L
2	Be 234.861	151.2	147.0	0.0006046	mg/L	0.0006046	mg/L
2	Ca 315.887	4561.2	4434.8	0.480583	mg/L	0.480583	mg/L
2	Cd 214.438	72.6	70.6	0.0020324	mg/L	0.0020324	mg/L
2	Ce 413.765	-218.1	-212.1	-0.0117104	mg/L	-0.0117104	mg/L
2	Co 228.616	24.5	23.8	0.0097249	mg/L	0.0097249	mg/L
2	Cr 205.560	59.6	58.0	0.0096406	mg/L	0.0096406	mg/L
2	Cu 327.394	166.3	161.7	0.0112740	mg/L	0.0112740	mg/L
2	Fe 238.204	186.1	181.0	0.0074071	mg/L	0.0074071	mg/L
2	K 766.514	2554.7	2483.9	0.0718313	mg/L	0.0718313	mg/L
2	Li 670.781	1474.0	1433.2	0.0054851	mg/L	0.0054851	mg/L
2	Mg 279.074	561.3	545.8	0.450074	mg/L	0.450074	mg/L
2	Mn 257.610	467.9	455.0	0.0071870	mg/L	0.0071870	mg/L
2	Mo 202.031	69.8	67.9	0.102145	mg/L	0.102145	mg/L
2	Na 589.594	9658.9	9391.1	0.462944	mg/L	0.462944	mg/L

2 Ni 231.603	76.3	74.2	0.0031486 mg/L	0.0031486 mg/L	
2 Pb 220.353	11.6	11.3	0.0394469 mg/L	0.0394469 mg/L	
2 Sb 206.831	28.4	27.6	0.116948 mg/L	0.116948 mg/L	
2 Se 196.026	88.2	85.8	0.0909046 mg/L	0.0909046 mg/L	
2 Si 251.611	3597.6	3497.9	-0.838365 mg/L	-0.838365 mg/L	
2 Sn 189.933	6.7	6.5	0.107485 mg/L	0.107485 mg/L	
2 Sr 407.771	65498.8	63682.6	0.0469140 mg/L	0.0469140 mg/L	
2 Ti 334.941	10290.4	10005.0	0.0966057 mg/L	0.0966057 mg/L	
2 Tl 190.800	33.5	32.5	0.114584 mg/L	0.114584 mg/L	
2 V 292.402	-184.9	-179.8	0.0074822 mg/L	0.0074822 mg/L	
2 Zn 206.200	46.5	45.2	0.0202610 mg/L	0.0202610 mg/L	

Mean Data

ID: LOQ Seq. No.: 2 Sample No.: 2 A/S Pos: 51
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/21/10 1:19:05 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	398586.5	102.2	0.91	mg/L				0.89%
Y 360.064	242585.7	102.5	0.97	mg/L				0.95%
Ag 328.068	90.3	0.0032138	0.00338411	mg/L	0.0032138	0.00338411	mg/L	105.30%
Al 396.140	442.9	0.0345745	0.00038677	mg/L	0.0345745	0.00038677	mg/L	1.12%
As 188.979	20.8	0.120130	0.0051667	mg/L	0.120130	0.0051667	mg/L	4.30%
B 249.773	421.7	0.0309822	0.00263918	mg/L	0.0309822	0.00263918	mg/L	8.52%
Ba 455.403	13813.0	0.0077207	0.00023951	mg/L	0.0077207	0.00023951	mg/L	3.10%
Be 234.861	152.6	0.0006743	0.00009850	mg/L	0.0006743	0.00009850	mg/L	14.61%
Ca 315.887	4461.2	0.483464	0.0040750	mg/L	0.483464	0.0040750	mg/L	0.84%
Cd 214.438	72.3	0.0023074	0.00038892	mg/L	0.0023074	0.00038892	mg/L	16.86%
Ce 413.765	-173.7	-0.0053571	0.00898497	mg/L	-0.0053571	0.00898497	mg/L	167.72%
Co 228.616	20.7	0.0086823	0.00147442	mg/L	0.0086823	0.00147442	mg/L	16.98%
Cr 205.560	58.2	0.0098556	0.00030413	mg/L	0.0098556	0.00030413	mg/L	3.09%
Cu 327.394	152.6	0.0105891	0.00096856	mg/L	0.0105891	0.00096856	mg/L	9.15%
Fe 238.204	185.2	0.0079250	0.00073237	mg/L	0.0079250	0.00073237	mg/L	9.24%
K 766.514	2377.1	0.0362092	0.05037735	mg/L	0.0362092	0.05037735	mg/L	139.13%
Li 670.781	1465.8	0.0057074	0.00031436	mg/L	0.0057074	0.00031436	mg/L	5.51%
Mg 279.074	551.7	0.455266	0.0073427	mg/L	0.455266	0.0073427	mg/L	1.61%
Mn 257.610	476.7	0.0075064	0.00045169	mg/L	0.0075064	0.00045169	mg/L	6.02%
Mo 202.031	64.0	0.0957923	0.00898385	mg/L	0.0957923	0.00898385	mg/L	9.38%
Na 589.594	9452.0	0.467400	0.0063021	mg/L	0.467400	0.0063021	mg/L	1.35%
Ni 231.603	78.1	0.0055614	0.00341226	mg/L	0.0055614	0.00341226	mg/L	61.36%
Pb 220.353	12.3	0.0436736	0.00597745	mg/L	0.0436736	0.00597745	mg/L	13.69%
Sb 206.831	26.1	0.108691	0.0116772	mg/L	0.108691	0.0116772	mg/L	10.74%
Se 196.026	83.4	0.0715575	0.02736090	mg/L	0.0715575	0.02736090	mg/L	38.24%
Si 251.611	3820.8	-0.775414	0.0890259	mg/L	-0.775414	0.0890259	mg/L	11.48%
Sn 189.933	7.4	0.116937	0.0133666	mg/L	0.116937	0.0133666	mg/L	11.43%
Sr 407.771	63982.6	0.0471477	0.00033045	mg/L	0.0471477	0.00033045	mg/L	0.70%
Ti 334.941	10087.8	0.0975913	0.00139392	mg/L	0.0975913	0.00139392	mg/L	1.43%
Tl 190.800	31.7	0.109059	0.0078132	mg/L	0.109059	0.0078132	mg/L	7.16%
V 292.402	-150.2	0.0095933	0.00298547	mg/L	0.0095933	0.00298547	mg/L	31.12%
Zn 206.200	46.0	0.0206788	0.00059081	mg/L	0.0206788	0.00059081	mg/L	2.86%

Replicate Data

ID: BLK 1-20 MAS Date: 1/21/10 1:22:14 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	408164.9	408164.9	104.7	mg/L		
1	Y 360.064	249213.5	249213.5	105.3	mg/L		
1	Ag 328.068	-31.6	-30.1	-0.0020037	mg/L	-0.0020037	mg/L
1	Al 396.140	116.9	111.7	-0.0137737	mg/L	-0.0137737	mg/L
1	As 188.979	4.5	4.3	0.0162279	mg/L	0.0162279	mg/L
1	B 249.773	85.6	81.8	-0.0058834	mg/L	-0.0058834	mg/L
1	Ba 455.403	8686.0	8299.1	-0.0019889	mg/L	-0.0019889	mg/L
1	Be 234.861	76.1	72.8	-0.0003195	mg/L	-0.0003195	mg/L
1	Ca 315.887	879.0	839.8	0.0881070	mg/L	0.0881070	mg/L
1	Cd 214.438	46.8	44.7	-0.0023195	mg/L	-0.0023195	mg/L
1	Ce 413.765	-81.6	-78.0	0.0104555	mg/L	0.0104555	mg/L
1	Co 228.616	-13.4	-12.8	-0.0025665	mg/L	-0.0025665	mg/L
1	Cr 205.560	49.2	47.0	-0.0010511	mg/L	-0.0010511	mg/L
1	Cu 327.394	-45.2	-43.2	-0.0041954	mg/L	-0.0041954	mg/L

1	Fe 238.204	146.5	140.0	0.0023859 mg/L	0.0023859 mg/L
1	K 766.514	2274.2	2172.9	-0.0318623 mg/L	-0.0318623 mg/L
1	Li 670.781	193.2	184.6	-0.0030193 mg/L	-0.0030193 mg/L
1	Mg 279.074	-25.9	-24.8	-0.0489316 mg/L	-0.0489316 mg/L
1	Mn 257.610	-153.8	-146.9	-0.0016538 mg/L	-0.0016538 mg/L
1	Mo 202.031	10.4	9.9	0.0082852 mg/L	0.0082852 mg/L
1	Na 589.594	3584.2	3424.5	0.0269025 mg/L	0.0269025 mg/L
1	Ni 231.603	83.5	79.8	0.0066533 mg/L	0.0066533 mg/L
1	Pb 220.353	2.0	1.9	0.0014531 mg/L	0.0014531 mg/L
1	Sb 206.831	0.8	0.7	-0.0311218 mg/L	-0.0311218 mg/L
1	Se 196.026	83.1	79.4	0.0393486 mg/L	0.0393486 mg/L
1	Si 251.611	3381.9	3231.3	-0.890351 mg/L	-0.890351 mg/L
1	Sn 189.933	-1.9	-1.8	0.0182206 mg/L	0.0182206 mg/L
1	Sr 407.771	1089.0	1040.5	-0.0018673 mg/L	-0.0018673 mg/L
1	Ti 334.941	1879.4	1795.7	-0.0011655 mg/L	-0.0011655 mg/L
1	Tl 190.800	25.1	24.0	0.0578254 mg/L	0.0578254 mg/L
1	V 292.402	-362.0	-345.9	-0.0043632 mg/L	-0.0043632 mg/L
1	Zn 206.200	35.8	34.2	0.0148385 mg/L	0.0148385 mg/L
2	Sc 357.253	407782.0	407782.0	104.6 mg/L	
2	Y 360.064	248269.9	248269.9	104.9 mg/L	
2	Ag 328.068	38.8	37.1	0.0009117 mg/L	0.0009117 mg/L
2	Al 396.140	62.3	59.6	-0.0213698 mg/L	-0.0213698 mg/L
2	As 188.979	1.8	1.7	0.0002594 mg/L	0.0002594 mg/L
2	B 249.773	89.0	85.1	-0.0055317 mg/L	-0.0055317 mg/L
2	Ba 455.403	8621.8	8245.5	-0.0020832 mg/L	-0.0020832 mg/L
2	Be 234.861	100.9	96.5	-0.0000239 mg/L	-0.0000239 mg/L
2	Ca 315.887	852.9	815.7	0.0854736 mg/L	0.0854736 mg/L
2	Cd 214.438	48.9	46.8	-0.0019660 mg/L	-0.0019660 mg/L
2	Ce 413.765	-79.7	-76.3	0.0107380 mg/L	0.0107380 mg/L
2	Co 228.616	-21.2	-20.3	-0.0050842 mg/L	-0.0050842 mg/L
2	Cr 205.560	45.4	43.4	-0.0045773 mg/L	-0.0045773 mg/L
2	Cu 327.394	38.5	36.8	0.0018474 mg/L	0.0018474 mg/L
2	Fe 238.204	138.5	132.5	0.0014679 mg/L	0.0014679 mg/L
2	K 766.514	2300.3	2199.9	-0.0228656 mg/L	-0.0228656 mg/L
2	Li 670.781	198.5	189.9	-0.0029832 mg/L	-0.0029832 mg/L
2	Mg 279.074	-42.5	-40.6	-0.0627734 mg/L	-0.0627734 mg/L
2	Mn 257.610	-141.3	-135.2	-0.0014810 mg/L	-0.0014810 mg/L
2	Mo 202.031	9.1	8.7	0.0063168 mg/L	0.0063168 mg/L
2	Na 589.594	3772.3	3607.7	0.0402846 mg/L	0.0402846 mg/L
2	Ni 231.603	83.7	80.1	0.0068224 mg/L	0.0068224 mg/L
2	Pb 220.353	-0.7	-0.7	-0.0092211 mg/L	-0.0092211 mg/L
2	Sb 206.831	-0.7	-0.7	-0.0390345 mg/L	-0.0390345 mg/L
2	Se 196.026	73.1	69.9	-0.0378974 mg/L	-0.0378974 mg/L
2	Si 251.611	2730.8	2611.6	-1.01117 mg/L	-1.01117 mg/L
2	Sn 189.933	-0.1	-0.1	0.0364229 mg/L	0.0364229 mg/L
2	Sr 407.771	986.9	943.8	-0.0019425 mg/L	-0.0019425 mg/L
2	Ti 334.941	1813.2	1734.1	-0.0018997 mg/L	-0.0018997 mg/L
2	Tl 190.800	16.0	15.3	0.0005315 mg/L	0.0005315 mg/L
2	V 292.402	-252.1	-241.1	0.0031077 mg/L	0.0031077 mg/L
2	Zn 206.200	32.3	30.9	0.0132222 mg/L	0.0132222 mg/L

Mean Data

ID: BLK 1-20 MAS Seq. No.: 3 Sample No.: 3 A/S Pos: 52
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/21/10 1:22:14 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	407973.4	104.6	0.07	mg/L				0.07%
Y 360.064	248741.7	105.1	0.28	mg/L				0.27%
Ag 328.068	3.5	-0.0005460	0.00206146	mg/L	-0.0005460	0.00206146	mg/L	377.57%
Al 396.140	85.6	-0.0175717	0.00537124	mg/L	-0.0175717	0.00537124	mg/L	30.57%
As 188.979	3.0	0.0082437	0.01129142	mg/L	0.0082437	0.01129142	mg/L	136.97%
B 249.773	83.4	-0.0057075	0.00024863	mg/L	-0.0057075	0.00024863	mg/L	4.36%
Ba 455.403	8272.3	-0.0020360	0.00006672	mg/L	-0.0020360	0.00006672	mg/L	3.28%
Be 234.861	84.6	-0.0001717	0.00020900	mg/L	-0.0001717	0.00020900	mg/L	121.75%
Ca 315.887	827.7	0.0867903	0.00186213	mg/L	0.0867903	0.00186213	mg/L	2.15%
Cd 214.438	45.7	-0.0021428	0.00024991	mg/L	-0.0021428	0.00024991	mg/L	11.66%
Ce 413.765	-77.1	0.0105968	0.00019972	mg/L	0.0105968	0.00019972	mg/L	1.88%
Co 228.616	-16.6	-0.0038253	0.00178033	mg/L	-0.0038253	0.00178033	mg/L	46.54%
Cr 205.560	45.2	-0.0028142	0.00249342	mg/L	-0.0028142	0.00249342	mg/L	88.60%

Cu 327.394	-3.2	-0.0011740	0.00427293 mg/L	-0.0011740	0.00427293 mg/L	363.97%
Fe 238.204	136.2	0.0019269	0.00064912 mg/L	0.0019269	0.00064912 mg/L	33.69%
K 766.514	2186.4	-0.0273640	0.00636160 mg/L	-0.0273640	0.00636160 mg/L	23.25%
Li 670.781	187.2	-0.0030013	0.00002554 mg/L	-0.0030013	0.00002554 mg/L	0.85%
Mg 279.074	-32.7	-0.0558525	0.00978762 mg/L	-0.0558525	0.00978762 mg/L	17.52%
Mn 257.610	-141.1	-0.0015674	0.00012223 mg/L	-0.0015674	0.00012223 mg/L	7.80%
Mo 202.031	9.3	0.0073010	0.00139188 mg/L	0.0073010	0.00139188 mg/L	19.06%
Na 589.594	3516.1	0.0335935	0.00946258 mg/L	0.0335935	0.00946258 mg/L	28.17%
Ni 231.603	79.9	0.0067379	0.00011954 mg/L	0.0067379	0.00011954 mg/L	1.77%
Pb 220.353	0.6	-0.0038840	0.00754777 mg/L	-0.0038840	0.00754777 mg/L	194.33%
Sb 206.831	0.0	-0.0350781	0.00559515 mg/L	-0.0350781	0.00559515 mg/L	15.95%
Se 196.026	74.7	0.0007256	0.05462115 mg/L	0.0007256	0.05462115 mg/L	>999.9%
Si 251.611	2921.4	-0.950761	0.0854319 mg/L	-0.950761	0.0854319 mg/L	8.99%
Sn 189.933	-1.0	0.0273217	0.01287094 mg/L	0.0273217	0.01287094 mg/L	47.11%
Sr 407.771	992.2	-0.0019049	0.00005321 mg/L	-0.0019049	0.00005321 mg/L	2.79%
Ti 334.941	1764.9	-0.0015326	0.00051916 mg/L	-0.0015326	0.00051916 mg/L	33.87%
Tl 190.800	19.6	0.0291785	0.04051292 mg/L	0.0291785	0.04051292 mg/L	138.85%
V 292.402	-293.5	-0.0006278	0.00528275 mg/L	-0.0006278	0.00528275 mg/L	841.51%
Zn 206.200	32.6	0.0140303	0.00114293 mg/L	0.0140303	0.00114293 mg/L	8.15%

Replicate Data

ID: BS Date: 1/21/10 1:25:30 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	406180.3	406180.3	104.2	mg/L		
1	Y 360.064	247319.2	247319.2	104.5	mg/L		
1	Ag 328.068	4899.2	4703.9	0.203099	mg/L	0.203099	mg/L
1	Al 396.140	7651.9	7346.8	1.04225	mg/L	1.04225	mg/L
1	As 188.979	181.2	174.0	1.08046	mg/L	1.08046	mg/L
1	B 249.773	2050.0	1968.3	0.198735	mg/L	0.198735	mg/L
1	Ba 455.403	135333.0	129936.2	0.212202	mg/L	0.212202	mg/L
1	Be 234.861	1871.2	1796.6	0.0211337	mg/L	0.0211337	mg/L
1	Ca 315.887	103319.6	99199.5	10.8266	mg/L	10.8266	mg/L
1	Cd 214.438	1371.6	1316.9	0.211050	mg/L	0.211050	mg/L
1	Ce 413.765	-164.8	-158.2	-0.0028045	mg/L	-0.0028045	mg/L
1	Co 228.616	663.4	636.9	0.215413	mg/L	0.215413	mg/L
1	Cr 205.560	270.4	259.7	0.206396	mg/L	0.206396	mg/L
1	Cu 327.394	2972.0	2853.5	0.214476	mg/L	0.214476	mg/L
1	Fe 238.204	2039.9	1958.5	0.225042	mg/L	0.225042	mg/L
1	K 766.514	35576.4	34157.7	10.6352	mg/L	10.6352	mg/L
1	Li 670.781	33182.8	31859.5	0.212728	mg/L	0.212728	mg/L
1	Mg 279.074	12842.9	12330.7	10.7578	mg/L	10.7578	mg/L
1	Mn 257.610	15089.6	14487.8	0.213304	mg/L	0.213304	mg/L
1	Mo 202.031	138.4	132.9	0.207375	mg/L	0.207375	mg/L
1	Na 589.594	155630.6	149424.4	10.6980	mg/L	10.6980	mg/L
1	Ni 231.603	423.1	406.3	0.212369	mg/L	0.212369	mg/L
1	Pb 220.353	42.1	40.4	0.157963	mg/L	0.157963	mg/L
1	Sb 206.831	196.7	188.9	1.00513	mg/L	1.00513	mg/L
1	Se 196.026	209.6	201.2	1.03006	mg/L	1.03006	mg/L
1	Si 251.611	7848.8	7535.8	-0.0510780	mg/L	-0.0510780	mg/L
1	Sn 189.933	99.2	95.2	1.05776	mg/L	1.05776	mg/L
1	Sr 407.771	288993.9	277469.5	0.213396	mg/L	0.213396	mg/L
1	Ti 334.941	19988.2	19191.2	0.206011	mg/L	0.206011	mg/L
1	Tl 190.800	191.9	184.3	1.11789	mg/L	1.11789	mg/L
1	V 292.402	2890.6	2775.4	0.218225	mg/L	0.218225	mg/L
1	Zn 206.200	472.6	453.7	0.222231	mg/L	0.222231	mg/L
2	Sc 357.253	412294.5	412294.5	105.7	mg/L		
2	Y 360.064	251673.5	251673.5	106.4	mg/L		
2	Ag 328.068	4882.7	4618.4	0.199398	mg/L	0.199398	mg/L
2	Al 396.140	7451.7	7048.5	0.998706	mg/L	0.998706	mg/L
2	As 188.979	183.0	173.1	1.07509	mg/L	1.07509	mg/L
2	B 249.773	2139.5	2023.7	0.204748	mg/L	0.204748	mg/L
2	Ba 455.403	135239.2	127920.6	0.208653	mg/L	0.208653	mg/L
2	Be 234.861	1846.9	1747.0	0.0205161	mg/L	0.0205161	mg/L
2	Ca 315.887	103258.0	97670.1	10.6596	mg/L	10.6596	mg/L
2	Cd 214.438	1374.0	1299.6	0.208157	mg/L	0.208157	mg/L
2	Ce 413.765	-165.7	-156.7	-0.0025564	mg/L	-0.0025564	mg/L
2	Co 228.616	653.1	617.7	0.208980	mg/L	0.208980	mg/L
2	Cr 205.560	281.0	265.7	0.212332	mg/L	0.212332	mg/L

2 Cu 327.394	2890.1	2733.7	0.205433 mg/L	0.205433 mg/L
2 Fe 238.204	1997.8	1889.7	0.216610 mg/L	0.216610 mg/L
2 K 766.514	35672.0	33741.5	10.4964 mg/L	10.4964 mg/L
2 Li 670.781	32892.0	31112.0	0.207636 mg/L	0.207636 mg/L
2 Mg 279.074	12754.2	12064.0	10.5245 mg/L	10.5245 mg/L
2 Mn 257.610	15052.4	14237.9	0.209633 mg/L	0.209633 mg/L
2 Mo 202.031	143.9	136.1	0.212582 mg/L	0.212582 mg/L
2 Na 589.594	155085.0	146692.4	10.4983 mg/L	10.4983 mg/L
2 Ni 231.603	432.8	409.4	0.214312 mg/L	0.214312 mg/L
2 Pb 220.353	53.4	50.5	0.199208 mg/L	0.199208 mg/L
2 Sb 206.831	205.5	194.4	1.03537 mg/L	1.03537 mg/L
2 Se 196.026	205.7	194.6	0.975965 mg/L	0.975965 mg/L
2 Si 251.611	7300.6	6905.5	-0.173962 mg/L	-0.173962 mg/L
2 Sn 189.933	94.8	89.7	0.998591 mg/L	0.998591 mg/L
2 Sr 407.771	288433.0	272824.1	0.209779 mg/L	0.209779 mg/L
2 Ti 334.941	19945.1	18865.8	0.202136 mg/L	0.202136 mg/L
2 Tl 190.800	187.2	177.0	1.07005 mg/L	1.07005 mg/L
2 V 292.402	2863.6	2708.6	0.213465 mg/L	0.213465 mg/L
2 Zn 206.200	468.2	442.9	0.216876 mg/L	0.216876 mg/L

Mean Data

ID: BS Seq. No.: 4 Sample No.: 4 A/S Pos: 53
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/21/10 1:25:30 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	409237.4	104.9	1.11	mg/L				1.06%
Y 360.064	249496.3	105.4	1.30	mg/L				1.23%
Ag 328.068	4661.1	0.201249	0.0026175	mg/L	0.201249	0.0026175	mg/L	1.30%
Al 396.140	7197.6	1.02048	0.030791	mg/L	1.02048	0.030791	mg/L	3.02%
As 188.979	173.5	1.07778	0.003801	mg/L	1.07778	0.003801	mg/L	0.35%
B 249.773	1996.0	0.201741	0.0042521	mg/L	0.201741	0.0042521	mg/L	2.11%
Ba 455.403	128928.4	0.210428	0.0025098	mg/L	0.210428	0.0025098	mg/L	1.19%
Be 234.861	1771.8	0.0208249	0.00043669	mg/L	0.0208249	0.00043669	mg/L	2.10%
Ca 315.887	98434.8	10.7431	0.11808	mg/L	10.7431	0.11808	mg/L	1.10%
Cd 214.438	1308.3	0.209604	0.0020455	mg/L	0.209604	0.0020455	mg/L	0.98%
Ce 413.765	-157.5	-0.0026804	0.00017540	mg/L	-0.0026804	0.00017540	mg/L	6.54%
Co 228.616	627.3	0.212196	0.0045492	mg/L	0.212196	0.0045492	mg/L	2.14%
Cr 205.560	262.7	0.209364	0.0041975	mg/L	0.209364	0.0041975	mg/L	2.00%
Cu 327.394	2793.6	0.209955	0.0063948	mg/L	0.209955	0.0063948	mg/L	3.05%
Fe 238.204	1924.1	0.220826	0.0059619	mg/L	0.220826	0.0059619	mg/L	2.70%
K 766.514	33949.6	10.5658	0.09815	mg/L	10.5658	0.09815	mg/L	0.93%
Li 670.781	31485.7	0.210182	0.0036004	mg/L	0.210182	0.0036004	mg/L	1.71%
Mg 279.074	12197.3	10.6411	0.16498	mg/L	10.6411	0.16498	mg/L	1.55%
Mn 257.610	14362.8	0.211469	0.0025963	mg/L	0.211469	0.0025963	mg/L	1.23%
Mo 202.031	134.5	0.209979	0.0036817	mg/L	0.209979	0.0036817	mg/L	1.75%
Na 589.594	148058.4	10.5982	0.14120	mg/L	10.5982	0.14120	mg/L	1.33%
Ni 231.603	407.8	0.213341	0.0013737	mg/L	0.213341	0.0013737	mg/L	0.64%
Pb 220.353	45.5	0.178586	0.0291650	mg/L	0.178586	0.0291650	mg/L	16.33%
Sb 206.831	191.6	1.02025	0.021387	mg/L	1.02025	0.021387	mg/L	2.10%
Se 196.026	197.9	1.00301	0.038253	mg/L	1.00301	0.038253	mg/L	3.81%
Si 251.611	7220.6	-0.112520	0.0868921	mg/L	-0.112520	0.0868921	mg/L	77.22%
Sn 189.933	92.4	1.02818	0.041839	mg/L	1.02818	0.041839	mg/L	4.07%
Sr 407.771	275146.8	0.211588	0.0025580	mg/L	0.211588	0.0025580	mg/L	1.21%
Ti 334.941	19028.5	0.204073	0.0027401	mg/L	0.204073	0.0027401	mg/L	1.34%
Tl 190.800	180.7	1.09397	0.033831	mg/L	1.09397	0.033831	mg/L	3.09%
V 292.402	2742.0	0.215845	0.0033655	mg/L	0.215845	0.0033655	mg/L	1.56%
Zn 206.200	448.3	0.219554	0.0037867	mg/L	0.219554	0.0037867	mg/L	1.72%

Replicate Data

ID: AC1 Date: 1/21/10 1:28:52 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	408254.0	408254.0	104.7	mg/L		
1	Y 360.064	248630.1	248630.1	105.1	mg/L		
1	Ag 328.068	10044.1	9594.5	0.414991	mg/L	0.414991	mg/L
1	Al 396.140	13496.1	12892.1	1.85163	mg/L	1.85163	mg/L
1	As 188.979	327.7	313.0	1.95237	mg/L	1.95237	mg/L
1	B 249.773	3652.5	3489.0	0.363690	mg/L	0.363690	mg/L

1	Ba 455.403	235563.3	225020.7	0.379637 mg/L	0.379637 mg/L
1	Be 234.861	3341.9	3192.3	0.0385038 mg/L	0.0385038 mg/L
1	Ca 315.887	38113.7	36408.0	3.96940 mg/L	3.96940 mg/L
1	Cd 214.438	2442.2	2332.9	0.381451 mg/L	0.381451 mg/L
1	Ce 413.765	-302.7	-289.2	-0.0244459 mg/L	-0.0244459 mg/L
1	Co 228.616	1183.6	1130.6	0.381049 mg/L	0.381049 mg/L
1	Cr 205.560	470.6	449.5	0.391614 mg/L	0.391614 mg/L
1	Cu 327.394	5317.4	5079.4	0.382509 mg/L	0.382509 mg/L
1	Fe 238.204	3484.9	3328.9	0.392824 mg/L	0.392824 mg/L
1	K 766.514	14191.8	13556.7	3.76492 mg/L	3.76492 mg/L
1	Li 670.781	59864.2	57185.0	0.385228 mg/L	0.385228 mg/L
1	Mg 279.074	4725.5	4514.0	3.91918 mg/L	3.91918 mg/L
1	Mn 257.610	27645.4	26408.2	0.388393 mg/L	0.388393 mg/L
1	Mo 202.031	294.9	281.7	0.448355 mg/L	0.448355 mg/L
1	Na 589.594	58943.0	56305.1	3.89048 mg/L	3.89048 mg/L
1	Ni 231.603	718.9	686.8	0.389107 mg/L	0.389107 mg/L
1	Pb 220.353	100.6	96.1	0.384824 mg/L	0.384824 mg/L
1	Sb 206.831	439.1	419.4	2.27462 mg/L	2.27462 mg/L
1	Se 196.026	330.2	315.4	1.95895 mg/L	1.95895 mg/L
1	Si 251.611	6168.9	5892.8	-0.371421 mg/L	-0.371421 mg/L
1	Sn 189.933	217.4	207.6	2.26261 mg/L	2.26261 mg/L
1	Sr 407.771	524529.8	501054.6	0.387509 mg/L	0.387509 mg/L
1	Ti 334.941	41629.3	39766.2	0.451055 mg/L	0.451055 mg/L
1	Tl 190.800	330.9	316.1	1.98939 mg/L	1.98939 mg/L
1	V 292.402	5323.5	5085.3	0.382954 mg/L	0.382954 mg/L
1	Zn 206.200	819.6	782.9	0.384963 mg/L	0.384963 mg/L
2	Sc 357.253	412966.3	412966.3	105.9 mg/L	
2	Y 360.064	251701.0	251701.0	106.4 mg/L	
2	Ag 328.068	10004.0	9447.2	0.408607 mg/L	0.408607 mg/L
2	Al 396.140	13606.0	12848.8	1.84531 mg/L	1.84531 mg/L
2	As 188.979	320.3	302.5	1.88649 mg/L	1.88649 mg/L
2	B 249.773	3714.2	3507.4	0.365686 mg/L	0.365686 mg/L
2	Ba 455.403	234898.7	221825.4	0.374010 mg/L	0.374010 mg/L
2	Be 234.861	3308.8	3124.6	0.0376611 mg/L	0.0376611 mg/L
2	Ca 315.887	37780.1	35677.5	3.88923 mg/L	3.88923 mg/L
2	Cd 214.438	2456.2	2319.5	0.379194 mg/L	0.379194 mg/L
2	Ce 413.765	-158.5	-149.7	-0.0013951 mg/L	-0.0013951 mg/L
2	Co 228.616	1157.7	1093.3	0.368534 mg/L	0.368534 mg/L
2	Cr 205.560	456.4	431.0	0.373565 mg/L	0.373565 mg/L
2	Cu 327.394	5262.5	4969.6	0.374222 mg/L	0.374222 mg/L
2	Fe 238.204	3422.2	3231.7	0.380925 mg/L	0.380925 mg/L
2	K 766.514	14140.4	13353.5	3.69714 mg/L	3.69714 mg/L
2	Li 670.781	59601.5	56284.4	0.379093 mg/L	0.379093 mg/L
2	Mg 279.074	4689.0	4428.1	3.84407 mg/L	3.84407 mg/L
2	Mn 257.610	27324.8	25804.0	0.379518 mg/L	0.379518 mg/L
2	Mo 202.031	287.3	271.3	0.431500 mg/L	0.431500 mg/L
2	Na 589.594	58535.3	55277.5	3.81542 mg/L	3.81542 mg/L
2	Ni 231.603	713.5	673.8	0.380930 mg/L	0.380930 mg/L
2	Pb 220.353	98.9	93.4	0.373484 mg/L	0.373484 mg/L
2	Sb 206.831	430.4	406.5	2.20331 mg/L	2.20331 mg/L
2	Se 196.026	322.1	304.2	1.86785 mg/L	1.86785 mg/L
2	Si 251.611	5453.0	5149.5	-0.516333 mg/L	-0.516333 mg/L
2	Sn 189.933	215.2	203.2	2.21508 mg/L	2.21508 mg/L
2	Sr 407.771	523141.3	494025.9	0.382036 mg/L	0.382036 mg/L
2	Ti 334.941	41098.9	38811.5	0.439686 mg/L	0.439686 mg/L
2	Tl 190.800	317.9	300.2	1.88442 mg/L	1.88442 mg/L
2	V 292.402	5282.0	4988.0	0.376017 mg/L	0.376017 mg/L
2	Zn 206.200	800.3	755.8	0.371571 mg/L	0.371571 mg/L

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

ID: AC1 Seq. No.: 5 Sample No.: 5 A/S Pos: 54
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/21/10 1:28:52 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	410610.2	105.3	0.85	mg/L				0.81%
Y 360.064	250165.5	105.7	0.92	mg/L				0.87%
Ag 328.068	9520.9	0.411799	0.0045138	mg/L	0.411799	0.0045138	mg/L	1.10%
Al 396.140	12870.4	1.84847	0.004467	mg/L	1.84847	0.004467	mg/L	0.24%
As 188.979	307.7	1.91943	0.046588	mg/L	1.91943	0.046588	mg/L	2.43%

B 249.773	3498.2	0.364688	0.0014112 mg/L	0.364688	0.0014112 mg/L	0.39%
Ba 455.403	223423.1	0.376824	0.0039786 mg/L	0.376824	0.0039786 mg/L	1.06%
Be 234.861	3158.5	0.0380824	0.00059590 mg/L	0.0380824	0.00059590 mg/L	1.56%
Ca 315.887	36042.7	3.92931	0.056690 mg/L	3.92931	0.056690 mg/L	1.44%
Cd 214.438	2326.2	0.380322	0.0015961 mg/L	0.380322	0.0015961 mg/L	0.42%
Ce 413.765	-219.4	-0.0129205	0.01629943 mg/L	-0.0129205	0.01629943 mg/L	126.15%
Co 228.616	1112.0	0.374791	0.0088499 mg/L	0.374791	0.0088499 mg/L	2.36%
Cr 205.560	440.3	0.382589	0.0127621 mg/L	0.382589	0.0127621 mg/L	3.34%
Cu 327.394	5024.5	0.378365	0.0058599 mg/L	0.378365	0.0058599 mg/L	1.55%
Fe 238.204	3280.3	0.386875	0.0084136 mg/L	0.386875	0.0084136 mg/L	2.17%
K 766.514	13455.1	3.73103	0.047925 mg/L	3.73103	0.047925 mg/L	1.28%
Li 670.781	56734.7	0.382160	0.0043378 mg/L	0.382160	0.0043378 mg/L	1.14%
Mg 279.074	4471.0	3.88163	0.053113 mg/L	3.88163	0.053113 mg/L	1.37%
Mn 257.610	26106.1	0.383955	0.0062752 mg/L	0.383955	0.0062752 mg/L	1.63%
Mo 202.031	276.5	0.439927	0.0119180 mg/L	0.439927	0.0119180 mg/L	2.71%
Na 589.594	55791.3	3.85295	0.053074 mg/L	3.85295	0.053074 mg/L	1.38%
Ni 231.603	680.3	0.385018	0.0057817 mg/L	0.385018	0.0057817 mg/L	1.50%
Pb 220.353	94.8	0.379154	0.0080187 mg/L	0.379154	0.0080187 mg/L	2.11%
Sb 206.831	412.9	2.23897	0.050423 mg/L	2.23897	0.050423 mg/L	2.25%
Se 196.026	309.8	1.91340	0.064411 mg/L	1.91340	0.064411 mg/L	3.37%
Si 251.611	5521.2	-0.443877	0.1024685 mg/L	-0.443877	0.1024685 mg/L	23.08%
Sn 189.933	205.4	2.23884	0.033608 mg/L	2.23884	0.033608 mg/L	1.50%
Sr 407.771	497540.3	0.384772	0.0038703 mg/L	0.384772	0.0038703 mg/L	1.01%
Ti 334.941	39288.9	0.445371	0.0080394 mg/L	0.445371	0.0080394 mg/L	1.81%
Tl 190.800	308.1	1.93691	0.074219 mg/L	1.93691	0.074219 mg/L	3.83%
V 292.402	5036.6	0.379485	0.0049049 mg/L	0.379485	0.0049049 mg/L	1.29%
Zn 206.200	769.3	0.378267	0.0094696 mg/L	0.378267	0.0094696 mg/L	2.50%

Replicate Data

ID: AC2 Date: 1/21/10 1:32:16 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	410141.7	410141.7	105.2	mg/L		
1	Y 360.064	250024.5	250024.5	105.7	mg/L		
1	Ag 328.068	10465.5	9951.1	0.430439	mg/L	0.430439	mg/L
1	Al 396.140	14391.9	13684.5	1.96730	mg/L	1.96730	mg/L
1	As 188.979	349.8	332.6	2.07557	mg/L	2.07557	mg/L
1	B 249.773	3911.7	3719.5	0.388686	mg/L	0.388686	mg/L
1	Ba 455.403	249086.6	236843.7	0.400456	mg/L	0.400456	mg/L
1	Be 234.861	3483.4	3312.2	0.0399956	mg/L	0.0399956	mg/L
1	Ca 315.887	40777.2	38772.9	4.22752	mg/L	4.22752	mg/L
1	Cd 214.438	2589.1	2461.8	0.403072	mg/L	0.403072	mg/L
1	Ce 413.765	-209.3	-199.0	-0.0095513	mg/L	-0.0095513	mg/L
1	Co 228.616	1258.8	1196.9	0.403293	mg/L	0.403293	mg/L
1	Cr 205.560	480.7	457.1	0.398972	mg/L	0.398972	mg/L
1	Cu 327.394	5614.8	5338.8	0.402095	mg/L	0.402095	mg/L
1	Fe 238.204	3649.0	3469.6	0.410053	mg/L	0.410053	mg/L
1	K 766.514	14892.0	14160.1	3.96616	mg/L	3.96616	mg/L
1	Li 670.781	63476.9	60356.9	0.406832	mg/L	0.406832	mg/L
1	Mg 279.074	4963.0	4719.0	4.09896	mg/L	4.09896	mg/L
1	Mn 257.610	28931.2	27509.2	0.404565	mg/L	0.404565	mg/L
1	Mo 202.031	304.1	289.2	0.460412	mg/L	0.460412	mg/L
1	Na 589.594	61745.3	58710.5	4.06624	mg/L	4.06624	mg/L
1	Ni 231.603	749.1	712.3	0.405205	mg/L	0.405205	mg/L
1	Pb 220.353	104.9	99.8	0.399523	mg/L	0.399523	mg/L
1	Sb 206.831	452.7	430.5	2.33558	mg/L	2.33558	mg/L
1	Se 196.026	328.8	312.7	1.93691	mg/L	1.93691	mg/L
1	Si 251.611	5742.7	5460.4	-0.455716	mg/L	-0.455716	mg/L
1	Sn 189.933	229.1	217.9	2.37217	mg/L	2.37217	mg/L
1	Sr 407.771	556108.7	528775.3	0.409096	mg/L	0.409096	mg/L
1	Ti 334.941	43577.8	41435.9	0.470941	mg/L	0.470941	mg/L
1	Tl 190.800	335.8	319.3	2.01074	mg/L	2.01074	mg/L
1	V 292.402	5677.6	5398.5	0.405294	mg/L	0.405294	mg/L
1	Zn 206.200	868.5	825.8	0.406170	mg/L	0.406170	mg/L
2	Sc 357.253	414264.8	414264.8	106.2	mg/L		
2	Y 360.064	252406.2	252406.2	106.7	mg/L		
2	Ag 328.068	10498.9	9883.5	0.427511	mg/L	0.427511	mg/L
2	Al 396.140	14245.0	13410.0	1.92723	mg/L	1.92723	mg/L
2	As 188.979	344.7	324.5	2.02441	mg/L	2.02441	mg/L

2 B 249.773	4005.3	3770.5	0.394223 mg/L	0.394223 mg/L
2 Ba 455.403	247073.1	232590.9	0.392967 mg/L	0.392967 mg/L
2 Be 234.861	3501.4	3296.2	0.0397963 mg/L	0.0397963 mg/L
2 Ca 315.887	40590.7	38211.5	4.16626 mg/L	4.16626 mg/L
2 Cd 214.438	2564.8	2414.5	0.395134 mg/L	0.395134 mg/L
2 Ce 413.765	-0.2	-0.2	0.0233137 mg/L	0.0233137 mg/L
2 Co 228.616	1246.8	1173.7	0.395511 mg/L	0.395511 mg/L
2 Cr 205.560	491.9	463.1	0.404815 mg/L	0.404815 mg/L
2 Cu 327.394	5644.1	5313.3	0.400168 mg/L	0.400168 mg/L
2 Fe 238.204	3606.7	3395.3	0.400956 mg/L	0.400956 mg/L
2 K 766.514	14924.3	14049.5	3.92928 mg/L	3.92928 mg/L
2 Li 670.781	62977.2	59285.8	0.399536 mg/L	0.399536 mg/L
2 Mg 279.074	4971.4	4680.0	4.06482 mg/L	4.06482 mg/L
2 Mn 257.610	28855.3	27164.0	0.399493 mg/L	0.399493 mg/L
2 Mo 202.031	300.5	282.8	0.450168 mg/L	0.450168 mg/L
2 Na 589.594	61358.2	57761.7	3.99692 mg/L	3.99692 mg/L
2 Ni 231.603	761.0	716.4	0.407769 mg/L	0.407769 mg/L
2 Pb 220.353	112.0	105.4	0.422623 mg/L	0.422623 mg/L
2 Sb 206.831	458.5	431.6	2.34195 mg/L	2.34195 mg/L
2 Se 196.026	337.9	318.1	1.98125 mg/L	1.98125 mg/L
2 Si 251.611	5127.7	4827.1	-0.579199 mg/L	-0.579199 mg/L
2 Sn 189.933	224.9	211.7	2.30614 mg/L	2.30614 mg/L
2 Sr 407.771	551695.6	519358.0	0.401762 mg/L	0.401762 mg/L
2 Ti 334.941	43336.7	40796.5	0.463326 mg/L	0.463326 mg/L
2 Tl 190.800	336.0	316.3	1.99096 mg/L	1.99096 mg/L
2 V 292.402	5624.6	5294.9	0.397901 mg/L	0.397901 mg/L
2 Zn 206.200	865.3	814.6	0.400627 mg/L	0.400627 mg/L

Mean Data

ID: AC2 Seq. No.: 6 Sample No.: 6 A/S Pos: 55
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/21/10 1:32:16 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	412203.2	105.7	0.75	mg/L				0.71%
Y 360.064	251215.3	106.2	0.71	mg/L				0.67%
Ag 328.068	9917.3	0.428975	0.0020702	mg/L	0.428975	0.0020702	mg/L	0.48%
Al 396.140	13547.3	1.94726	0.028333	mg/L	1.94726	0.028333	mg/L	1.46%
As 188.979	328.6	2.04999	0.036176	mg/L	2.04999	0.036176	mg/L	1.76%
B 249.773	3745.0	0.391454	0.0039155	mg/L	0.391454	0.0039155	mg/L	1.00%
Ba 455.403	234717.3	0.396712	0.0052954	mg/L	0.396712	0.0052954	mg/L	1.33%
Be 234.861	3304.2	0.0398959	0.00014093	mg/L	0.0398959	0.00014093	mg/L	0.35%
Ca 315.887	38492.2	4.19689	0.043312	mg/L	4.19689	0.043312	mg/L	1.03%
Cd 214.438	2438.2	0.399103	0.0056130	mg/L	0.399103	0.0056130	mg/L	1.41%
Ce 413.765	-99.6	0.0068812	0.02323909	mg/L	0.0068812	0.02323909	mg/L	337.72%
Co 228.616	1185.3	0.399402	0.0055027	mg/L	0.399402	0.0055027	mg/L	1.38%
Cr 205.560	460.1	0.401893	0.0041315	mg/L	0.401893	0.0041315	mg/L	1.03%
Cu 327.394	5326.1	0.401131	0.0013626	mg/L	0.401131	0.0013626	mg/L	0.34%
Fe 238.204	3432.5	0.405504	0.0064325	mg/L	0.405504	0.0064325	mg/L	1.59%
K 766.514	14104.8	3.94772	0.026077	mg/L	3.94772	0.026077	mg/L	0.66%
Li 670.781	59821.4	0.403184	0.0051588	mg/L	0.403184	0.0051588	mg/L	1.28%
Mg 279.074	4699.5	4.08189	0.024147	mg/L	4.08189	0.024147	mg/L	0.59%
Mn 257.610	27336.6	0.402029	0.0035858	mg/L	0.402029	0.0035858	mg/L	0.89%
Mo 202.031	286.0	0.455290	0.0072434	mg/L	0.455290	0.0072434	mg/L	1.59%
Na 589.594	58236.1	4.03158	0.049014	mg/L	4.03158	0.049014	mg/L	1.22%
Ni 231.603	714.3	0.406487	0.0018125	mg/L	0.406487	0.0018125	mg/L	0.45%
Pb 220.353	102.6	0.411073	0.0163342	mg/L	0.411073	0.0163342	mg/L	3.97%
Sb 206.831	431.1	2.33877	0.004501	mg/L	2.33877	0.004501	mg/L	0.19%
Se 196.026	315.4	1.95908	0.031350	mg/L	1.95908	0.031350	mg/L	1.60%
Si 251.611	5143.8	-0.517458	0.0873156	mg/L	-0.517458	0.0873156	mg/L	16.87%
Sn 189.933	214.8	2.33915	0.046688	mg/L	2.33915	0.046688	mg/L	2.00%
Sr 407.771	524066.6	0.405429	0.0051856	mg/L	0.405429	0.0051856	mg/L	1.28%
Ti 334.941	41116.2	0.467134	0.0053846	mg/L	0.467134	0.0053846	mg/L	1.15%
Tl 190.800	317.8	2.00085	0.013981	mg/L	2.00085	0.013981	mg/L	0.70%
V 292.402	5346.7	0.401597	0.0052270	mg/L	0.401597	0.0052270	mg/L	1.30%
Zn 206.200	820.2	0.403398	0.0039190	mg/L	0.403398	0.0039190	mg/L	0.97%

Replicate Data

ID: AC3 Date: 1/21/10 1:35:41 PM

	Net	Corrected	Calib	Sample

Repl#	Element	Intensity	Intensity	Conc.	Units	Conc.	Units
1	Sc 357.253	411950.7	411950.7	105.6	mg/L		
1	Y 360.064	251077.2	251077.2	106.1	mg/L		
1	Ag 328.068	11084.8	10493.7	0.453946	mg/L	0.453946	mg/L
1	Al 396.140	14871.3	14078.3	2.02476	mg/L	2.02476	mg/L
1	As 188.979	341.9	323.7	2.01928	mg/L	2.01928	mg/L
1	B 249.773	4080.9	3863.3	0.404286	mg/L	0.404286	mg/L
1	Ba 455.403	257038.8	243331.8	0.411881	mg/L	0.411881	mg/L
1	Be 234.861	3620.9	3427.8	0.0414339	mg/L	0.0414339	mg/L
1	Ca 315.887	42003.3	39763.4	4.33560	mg/L	4.33560	mg/L
1	Cd 214.438	2685.5	2542.3	0.416571	mg/L	0.416571	mg/L
1	Ce 413.765	-26.5	-25.1	0.0191957	mg/L	0.0191957	mg/L
1	Co 228.616	1292.2	1223.3	0.412145	mg/L	0.412145	mg/L
1	Cr 205.560	497.7	471.2	0.412737	mg/L	0.412737	mg/L
1	Cu 327.394	5722.0	5416.9	0.407986	mg/L	0.407986	mg/L
1	Fe 238.204	3796.9	3594.5	0.425337	mg/L	0.425337	mg/L
1	K 766.514	15290.0	14474.6	4.07108	mg/L	4.07108	mg/L
1	Li 670.781	65249.7	61770.1	0.416458	mg/L	0.416458	mg/L
1	Mg 279.074	5177.8	4901.7	4.25866	mg/L	4.25866	mg/L
1	Mn 257.610	30011.7	28411.2	0.417814	mg/L	0.417814	mg/L
1	Mo 202.031	315.3	298.5	0.475554	mg/L	0.475554	mg/L
1	Na 589.594	63741.9	60342.7	4.18549	mg/L	4.18549	mg/L
1	Ni 231.603	770.0	728.9	0.415671	mg/L	0.415671	mg/L
1	Pb 220.353	111.4	105.4	0.422651	mg/L	0.422651	mg/L
1	Sb 206.831	480.8	455.2	2.47174	mg/L	2.47174	mg/L
1	Se 196.026	350.9	332.2	2.09546	mg/L	2.09546	mg/L
1	Si 251.611	6248.3	5915.1	-0.367069	mg/L	-0.367069	mg/L
1	Sn 189.933	240.1	227.3	2.47351	mg/L	2.47351	mg/L
1	Sr 407.771	574372.1	543742.7	0.420752	mg/L	0.420752	mg/L
1	Ti 334.941	45248.7	42835.8	0.487614	mg/L	0.487614	mg/L
1	Tl 190.800	348.4	329.8	2.08011	mg/L	2.08011	mg/L
1	V 292.402	5818.5	5508.2	0.413115	mg/L	0.413115	mg/L
1	Zn 206.200	898.9	850.9	0.418595	mg/L	0.418595	mg/L
2	Sc 357.253	415220.6	415220.6	106.5	mg/L		
2	Y 360.064	253393.1	253393.1	107.1	mg/L		
2	Ag 328.068	11013.2	10343.8	0.447454	mg/L	0.447454	mg/L
2	Al 396.140	14679.6	13787.4	1.98231	mg/L	1.98231	mg/L
2	As 188.979	350.1	328.8	2.05177	mg/L	2.05177	mg/L
2	B 249.773	4109.2	3859.5	0.403871	mg/L	0.403871	mg/L
2	Ba 455.403	256158.6	240588.8	0.407051	mg/L	0.407051	mg/L
2	Be 234.861	3616.8	3397.0	0.0410508	mg/L	0.0410508	mg/L
2	Ca 315.887	41822.2	39280.2	4.28286	mg/L	4.28286	mg/L
2	Cd 214.438	2684.4	2521.2	0.413028	mg/L	0.413028	mg/L
2	Ce 413.765	-151.6	-142.4	-0.0001909	mg/L	-0.0001909	mg/L
2	Co 228.616	1285.9	1207.8	0.406930	mg/L	0.406930	mg/L
2	Cr 205.560	510.6	479.6	0.420905	mg/L	0.420905	mg/L
2	Cu 327.394	5747.8	5398.5	0.406596	mg/L	0.406596	mg/L
2	Fe 238.204	3830.8	3598.0	0.425768	mg/L	0.425768	mg/L
2	K 766.514	15343.7	14411.1	4.04988	mg/L	4.04988	mg/L
2	Li 670.781	64944.3	60996.9	0.411191	mg/L	0.411191	mg/L
2	Mg 279.074	5106.1	4795.7	4.16601	mg/L	4.16601	mg/L
2	Mn 257.610	29783.9	27973.6	0.411385	mg/L	0.411385	mg/L
2	Mo 202.031	316.7	297.5	0.473878	mg/L	0.473878	mg/L
2	Na 589.594	63626.5	59759.2	4.14285	mg/L	4.14285	mg/L
2	Ni 231.603	790.5	742.4	0.424184	mg/L	0.424184	mg/L
2	Pb 220.353	111.3	104.5	0.419019	mg/L	0.419019	mg/L
2	Sb 206.831	477.0	448.0	2.43214	mg/L	2.43214	mg/L
2	Se 196.026	344.0	323.1	2.02138	mg/L	2.02138	mg/L
2	Si 251.611	5548.1	5210.8	-0.504380	mg/L	-0.504380	mg/L
2	Sn 189.933	235.9	221.5	2.41142	mg/L	2.41142	mg/L
2	Sr 407.771	572395.8	537604.5	0.415972	mg/L	0.415972	mg/L
2	Ti 334.941	44961.2	42228.3	0.480379	mg/L	0.480379	mg/L
2	Tl 190.800	346.5	325.4	2.05108	mg/L	2.05108	mg/L
2	V 292.402	5798.8	5446.3	0.408702	mg/L	0.408702	mg/L
2	Zn 206.200	910.6	855.2	0.420725	mg/L	0.420725	mg/L

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

ID: AC3 Seq. No.: 7 Sample No.: 7 A/S Pos: 56

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

Data: Original Date: 1/21/10 1:35:41 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	413585.7	106.1	0.59	mg/L				0.56%
Y 360.064	252235.2	106.6	0.69	mg/L				0.65%
Ag 328.068	10418.8	0.450700	0.0045902	mg/L	0.450700	0.0045902	mg/L	1.02%
Al 396.140	13932.8	2.00353	0.030022	mg/L	2.00353	0.030022	mg/L	1.50%
As 188.979	326.3	2.03553	0.022973	mg/L	2.03553	0.022973	mg/L	1.13%
B 249.773	3861.4	0.404079	0.0002938	mg/L	0.404079	0.0002938	mg/L	0.07%
Ba 455.403	241960.3	0.409466	0.0034154	mg/L	0.409466	0.0034154	mg/L	0.83%
Be 234.861	3412.4	0.0412423	0.00027087	mg/L	0.0412423	0.00027087	mg/L	0.66%
Ca 315.887	39521.8	4.30923	0.037298	mg/L	4.30923	0.037298	mg/L	0.87%
Cd 214.438	2531.8	0.414800	0.0025053	mg/L	0.414800	0.0025053	mg/L	0.60%
Ce 413.765	-83.7	0.0095024	0.01370839	mg/L	0.0095024	0.01370839	mg/L	144.26%
Co 228.616	1215.5	0.409538	0.0036873	mg/L	0.409538	0.0036873	mg/L	0.90%
Cr 205.560	475.4	0.416821	0.0057758	mg/L	0.416821	0.0057758	mg/L	1.39%
Cu 327.394	5407.7	0.407291	0.0009834	mg/L	0.407291	0.0009834	mg/L	0.24%
Fe 238.204	3596.2	0.425553	0.0003047	mg/L	0.425553	0.0003047	mg/L	0.07%
K 766.514	14442.8	4.06048	0.014992	mg/L	4.06048	0.014992	mg/L	0.37%
Li 670.781	61383.5	0.413825	0.0037243	mg/L	0.413825	0.0037243	mg/L	0.90%
Mg 279.074	4848.7	4.21234	0.065510	mg/L	4.21234	0.065510	mg/L	1.56%
Mn 257.610	28192.4	0.414600	0.0045457	mg/L	0.414600	0.0045457	mg/L	1.10%
Mo 202.031	298.0	0.474716	0.0011851	mg/L	0.474716	0.0011851	mg/L	0.25%
Na 589.594	60050.9	4.16417	0.030152	mg/L	4.16417	0.030152	mg/L	0.72%
Ni 231.603	735.7	0.419927	0.0060198	mg/L	0.419927	0.0060198	mg/L	1.43%
Pb 220.353	105.0	0.420835	0.0025683	mg/L	0.420835	0.0025683	mg/L	0.61%
Sb 206.831	451.6	2.45194	0.028005	mg/L	2.45194	0.028005	mg/L	1.14%
Se 196.026	327.6	2.05842	0.052377	mg/L	2.05842	0.052377	mg/L	2.54%
Si 251.611	5563.0	-0.435724	0.0970931	mg/L	-0.435724	0.0970931	mg/L	22.28%
Sn 189.933	224.4	2.44247	0.043900	mg/L	2.44247	0.043900	mg/L	1.80%
Sr 407.771	540673.6	0.418362	0.0033800	mg/L	0.418362	0.0033800	mg/L	0.81%
Ti 334.941	42532.0	0.483996	0.0051156	mg/L	0.483996	0.0051156	mg/L	1.06%
Tl 190.800	327.6	2.06560	0.020529	mg/L	2.06560	0.020529	mg/L	0.99%
V 292.402	5477.3	0.410908	0.0031204	mg/L	0.410908	0.0031204	mg/L	0.76%
Zn 206.200	853.1	0.419660	0.0015059	mg/L	0.419660	0.0015059	mg/L	0.36%

Replicate Data

ID: AC4 Date: 1/21/10 1:39:06 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	412234.9	412234.9	105.7	mg/L		
1	Y 360.064	251516.4	251516.4	106.3	mg/L		
1	Ag 328.068	10606.3	10033.7	0.434019	mg/L	0.434019	mg/L
1	Al 396.140	13895.5	13145.5	1.88861	mg/L	1.88861	mg/L
1	As 188.979	309.2	292.5	1.82403	mg/L	1.82403	mg/L
1	B 249.773	3785.6	3581.3	0.373692	mg/L	0.373692	mg/L
1	Ba 455.403	241010.4	228000.8	0.384885	mg/L	0.384885	mg/L
1	Be 234.861	3410.1	3226.1	0.0389233	mg/L	0.0389233	mg/L
1	Ca 315.887	39335.3	37212.0	4.05715	mg/L	4.05715	mg/L
1	Cd 214.438	2522.5	2386.3	0.390405	mg/L	0.390405	mg/L
1	Ce 413.765	-89.6	-84.8	0.0093293	mg/L	0.0093293	mg/L
1	Co 228.616	1226.1	1159.9	0.390876	mg/L	0.390876	mg/L
1	Cr 205.560	470.1	444.8	0.386957	mg/L	0.386957	mg/L
1	Cu 327.394	5376.8	5086.5	0.383048	mg/L	0.383048	mg/L
1	Fe 238.204	3608.1	3413.4	0.403163	mg/L	0.403163	mg/L
1	K 766.514	14554.9	13769.3	3.83582	mg/L	3.83582	mg/L
1	Li 670.781	61039.4	57744.6	0.389039	mg/L	0.389039	mg/L
1	Mg 279.074	4786.2	4527.8	3.93128	mg/L	3.93128	mg/L
1	Mn 257.610	28160.8	26640.7	0.391808	mg/L	0.391808	mg/L
1	Mo 202.031	299.9	283.7	0.451625	mg/L	0.451625	mg/L
1	Na 589.594	59676.0	56454.8	3.90141	mg/L	3.90141	mg/L
1	Ni 231.603	736.6	696.9	0.395474	mg/L	0.395474	mg/L
1	Pb 220.353	107.4	101.6	0.406917	mg/L	0.406917	mg/L
1	Sb 206.831	438.2	414.6	2.24808	mg/L	2.24808	mg/L
1	Se 196.026	319.0	301.8	1.84865	mg/L	1.84865	mg/L
1	Si 251.611	4974.1	4705.6	-0.602891	mg/L	-0.602891	mg/L
1	Sn 189.933	113.6	107.4	1.18884	mg/L	1.18884	mg/L
1	Sr 407.771	537308.7	508305.1	0.393155	mg/L	0.393155	mg/L
1	Ti 334.941	37223.1	35213.8	0.396837	mg/L	0.396837	mg/L
1	Tl 190.800	327.5	309.9	1.94833	mg/L	1.94833	mg/L

1	V 292.402	5491.9	5195.4	0.390810 mg/L	0.390810 mg/L
1	Zn 206.200	863.0	816.4	0.401529 mg/L	0.401529 mg/L
2	Sc 357.253	414611.7	414611.7	106.3 mg/L	
2	Y 360.064	252947.2	252947.2	106.9 mg/L	
2	Ag 328.068	10408.8	9790.5	0.423479 mg/L	0.423479 mg/L
2	Al 396.140	13791.6	12972.3	1.86334 mg/L	1.86334 mg/L
2	As 188.979	321.6	302.5	1.88634 mg/L	1.88634 mg/L
2	B 249.773	3725.5	3504.2	0.365331 mg/L	0.365331 mg/L
2	Ba 455.403	238771.1	224587.4	0.378874 mg/L	0.378874 mg/L
2	Be 234.861	3351.0	3152.0	0.0380012 mg/L	0.0380012 mg/L
2	Ca 315.887	38883.1	36573.4	3.98695 mg/L	3.98695 mg/L
2	Cd 214.438	2500.3	2351.8	0.384619 mg/L	0.384619 mg/L
2	Ce 413.765	-249.6	-234.8	-0.0154542 mg/L	-0.0154542 mg/L
2	Co 228.616	1216.6	1144.3	0.385654 mg/L	0.385654 mg/L
2	Cr 205.560	472.5	444.4	0.386636 mg/L	0.386636 mg/L
2	Cu 327.394	5361.0	5042.6	0.379730 mg/L	0.379730 mg/L
2	Fe 238.204	3533.3	3323.5	0.392156 mg/L	0.392156 mg/L
2	K 766.514	14387.2	13532.6	3.75688 mg/L	3.75688 mg/L
2	Li 670.781	60390.3	56803.0	0.382625 mg/L	0.382625 mg/L
2	Mg 279.074	4720.2	4439.8	3.85433 mg/L	3.85433 mg/L
2	Mn 257.610	27868.5	26213.1	0.385527 mg/L	0.385527 mg/L
2	Mo 202.031	294.7	277.2	0.441073 mg/L	0.441073 mg/L
2	Na 589.594	59138.2	55625.2	3.84081 mg/L	3.84081 mg/L
2	Ni 231.603	728.7	685.4	0.388273 mg/L	0.388273 mg/L
2	Pb 220.353	97.0	91.2	0.364748 mg/L	0.364748 mg/L
2	Sb 206.831	439.7	413.5	2.24228 mg/L	2.24228 mg/L
2	Se 196.026	328.8	309.2	1.90904 mg/L	1.90904 mg/L
2	Si 251.611	4116.2	3871.7	-0.765477 mg/L	-0.765477 mg/L
2	Sn 189.933	108.1	101.7	1.12700 mg/L	1.12700 mg/L
2	Sr 407.771	532512.7	500880.1	0.387373 mg/L	0.387373 mg/L
2	Ti 334.941	36617.2	34442.1	0.387646 mg/L	0.387646 mg/L
2	Tl 190.800	332.0	312.3	1.96447 mg/L	1.96447 mg/L
2	V 292.402	5372.0	5052.9	0.380645 mg/L	0.380645 mg/L
2	Zn 206.200	857.7	806.8	0.396760 mg/L	0.396760 mg/L

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

ID: AC4 Seq. No.: 8 Sample No.: 8 A/S Pos: 57
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/21/10 1:39:06 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	413423.3	106.0	0.43	mg/L				0.41%
Y 360.064	252231.8	106.6	0.43	mg/L				0.40%
Ag 328.068	9912.1	0.428749	0.0074529	mg/L	0.428749	0.0074529	mg/L	1.74%
Al 396.140	13058.9	1.87598	0.017866	mg/L	1.87598	0.017866	mg/L	0.95%
As 188.979	297.5	1.85519	0.044061	mg/L	1.85519	0.044061	mg/L	2.38%
B 249.773	3542.7	0.369512	0.0059120	mg/L	0.369512	0.0059120	mg/L	1.60%
Ba 455.403	226294.1	0.381879	0.0042502	mg/L	0.381879	0.0042502	mg/L	1.11%
Be 234.861	3189.0	0.0384623	0.00065201	mg/L	0.0384623	0.00065201	mg/L	1.70%
Ca 315.887	36892.7	4.02205	0.049635	mg/L	4.02205	0.049635	mg/L	1.23%
Cd 214.438	2369.1	0.387512	0.0040909	mg/L	0.387512	0.0040909	mg/L	1.06%
Ce 413.765	-159.8	-0.0030625	0.01752460	mg/L	-0.0030625	0.01752460	mg/L	572.24%
Co 228.616	1152.1	0.388265	0.0036925	mg/L	0.388265	0.0036925	mg/L	0.95%
Cr 205.560	444.6	0.386797	0.0002266	mg/L	0.386797	0.0002266	mg/L	0.06%
Cu 327.394	5064.6	0.381389	0.0023462	mg/L	0.381389	0.0023462	mg/L	0.62%
Fe 238.204	3368.4	0.397660	0.0077834	mg/L	0.397660	0.0077834	mg/L	1.96%
K 766.514	13650.9	3.79635	0.055821	mg/L	3.79635	0.055821	mg/L	1.47%
Li 670.781	57273.8	0.385832	0.0045350	mg/L	0.385832	0.0045350	mg/L	1.18%
Mg 279.074	4483.8	3.89280	0.054407	mg/L	3.89280	0.054407	mg/L	1.40%
Mn 257.610	26426.9	0.388667	0.0044411	mg/L	0.388667	0.0044411	mg/L	1.14%
Mo 202.031	280.5	0.446349	0.0074616	mg/L	0.446349	0.0074616	mg/L	1.67%
Na 589.594	56040.0	3.87111	0.042852	mg/L	3.87111	0.042852	mg/L	1.11%
Ni 231.603	691.2	0.391873	0.0050916	mg/L	0.391873	0.0050916	mg/L	1.30%
Pb 220.353	96.4	0.385833	0.0298179	mg/L	0.385833	0.0298179	mg/L	7.73%
Sb 206.831	414.1	2.24518	0.004100	mg/L	2.24518	0.004100	mg/L	0.18%
Se 196.026	305.5	1.87885	0.042702	mg/L	1.87885	0.042702	mg/L	2.27%
Si 251.611	4288.7	-0.684184	0.1149654	mg/L	-0.684184	0.1149654	mg/L	16.80%
Sn 189.933	104.6	1.15792	0.043732	mg/L	1.15792	0.043732	mg/L	3.78%
Sr 407.771	504592.6	0.390264	0.0040885	mg/L	0.390264	0.0040885	mg/L	1.05%
Ti 334.941	34827.9	0.392242	0.0064991	mg/L	0.392242	0.0064991	mg/L	1.66%

Tl 190.800	311.1	1.95640	0.011411 mg/L	1.95640	0.011411 mg/L	0.58%
V 292.402	5124.2	0.385727	0.0071872 mg/L	0.385727	0.0071872 mg/L	1.86%
Zn 206.200	811.6	0.399145	0.0033727 mg/L	0.399145	0.0033727 mg/L	0.84%

Replicate Data

ID: BLK 1-20 RDB Date: 1/21/10 1:42:22 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	406241.6	406241.6	104.2	mg/L		
1	Y 360.064	247539.8	247539.8	104.6	mg/L		
1	Ag 328.068	11.9	11.4	-0.0002045	mg/L	-0.0002045	mg/L
1	Al 396.140	183.6	176.3	-0.0043407	mg/L	-0.0043407	mg/L
1	As 188.979	10.4	9.9	0.0517956	mg/L	0.0517956	mg/L
1	B 249.773	152.4	146.3	0.0011064	mg/L	0.0011064	mg/L
1	Ba 455.403	8840.6	8486.8	-0.0016583	mg/L	-0.0016583	mg/L
1	Be 234.861	79.2	76.0	-0.0002785	mg/L	-0.0002785	mg/L
1	Ca 315.887	1974.0	1895.0	0.203303	mg/L	0.203303	mg/L
1	Cd 214.438	51.3	49.3	-0.0015466	mg/L	-0.0015466	mg/L
1	Ce 413.765	-299.2	-287.2	-0.0241212	mg/L	-0.0241212	mg/L
1	Co 228.616	-17.5	-16.8	-0.0038975	mg/L	-0.0038975	mg/L
1	Cr 205.560	49.9	47.9	-0.0001256	mg/L	-0.0001256	mg/L
1	Cu 327.394	-18.7	-18.0	-0.0022902	mg/L	-0.0022902	mg/L
1	Fe 238.204	202.0	193.9	0.0089912	mg/L	0.0089912	mg/L
1	K 766.514	2099.6	2015.6	-0.0843290	mg/L	-0.0843290	mg/L
1	Li 670.781	150.0	144.0	-0.0032959	mg/L	-0.0032959	mg/L
1	Mg 279.074	41.1	39.5	0.0072550	mg/L	0.0072550	mg/L
1	Mn 257.610	-116.5	-111.8	-0.0011376	mg/L	-0.0011376	mg/L
1	Mo 202.031	15.3	14.7	0.0160225	mg/L	0.0160225	mg/L
1	Na 589.594	4041.5	3879.8	0.0601702	mg/L	0.0601702	mg/L
1	Ni 231.603	76.6	73.6	0.0027375	mg/L	0.0027375	mg/L
1	Pb 220.353	-7.0	-6.7	-0.0337808	mg/L	-0.0337808	mg/L
1	Sb 206.831	3.9	3.7	-0.0145597	mg/L	-0.0145597	mg/L
1	Se 196.026	73.3	70.4	-0.0343409	mg/L	-0.0343409	mg/L
1	Si 251.611	4142.2	3976.4	-0.745066	mg/L	-0.745066	mg/L
1	Sn 189.933	-1.7	-1.7	0.0196906	mg/L	0.0196906	mg/L
1	Sr 407.771	1241.3	1191.6	-0.0017496	mg/L	-0.0017496	mg/L
1	Ti 334.941	1849.4	1775.3	-0.0014082	mg/L	-0.0014082	mg/L
1	Tl 190.800	15.3	14.7	-0.0035371	mg/L	-0.0035371	mg/L
1	V 292.402	-262.6	-252.1	0.0023252	mg/L	0.0023252	mg/L
1	Zn 206.200	26.8	25.8	0.0106600	mg/L	0.0106600	mg/L
2	Sc 357.253	409939.2	409939.2	105.1	mg/L		
2	Y 360.064	249986.0	249986.0	105.6	mg/L		
2	Ag 328.068	4.5	4.3	-0.0005132	mg/L	-0.0005132	mg/L
2	Al 396.140	-31.1	-29.6	-0.0343870	mg/L	-0.0343870	mg/L
2	As 188.979	4.2	4.0	0.0143111	mg/L	0.0143111	mg/L
2	B 249.773	135.8	129.2	-0.0007432	mg/L	-0.0007432	mg/L
2	Ba 455.403	8903.8	8470.4	-0.0016872	mg/L	-0.0016872	mg/L
2	Be 234.861	82.9	78.9	-0.0002435	mg/L	-0.0002435	mg/L
2	Ca 315.887	1926.6	1832.8	0.196519	mg/L	0.196519	mg/L
2	Cd 214.438	47.9	45.5	-0.0021765	mg/L	-0.0021765	mg/L
2	Ce 413.765	-122.2	-116.2	0.0041316	mg/L	0.0041316	mg/L
2	Co 228.616	-17.5	-16.6	-0.0038472	mg/L	-0.0038472	mg/L
2	Cr 205.560	50.7	48.3	0.0001977	mg/L	0.0001977	mg/L
2	Cu 327.394	-91.7	-87.2	-0.0075164	mg/L	-0.0075164	mg/L
2	Fe 238.204	197.3	187.7	0.0082306	mg/L	0.0082306	mg/L
2	K 766.514	2103.2	2000.8	-0.0892734	mg/L	-0.0892734	mg/L
2	Li 670.781	188.4	179.2	-0.0030560	mg/L	-0.0030560	mg/L
2	Mg 279.074	92.1	87.6	0.0493698	mg/L	0.0493698	mg/L
2	Mn 257.610	-128.5	-122.3	-0.0012913	mg/L	-0.0012913	mg/L
2	Mo 202.031	4.1	3.9	-0.0015146	mg/L	-0.0015146	mg/L
2	Na 589.594	4280.1	4071.8	0.0742018	mg/L	0.0742018	mg/L
2	Ni 231.603	65.6	62.4	-0.0042987	mg/L	-0.0042987	mg/L
2	Pb 220.353	2.2	2.0	0.0019433	mg/L	0.0019433	mg/L
2	Sb 206.831	-8.3	-7.9	-0.0787346	mg/L	-0.0787346	mg/L
2	Se 196.026	77.7	73.9	-0.0055957	mg/L	-0.0055957	mg/L
2	Si 251.611	3415.9	3249.6	-0.886776	mg/L	-0.886776	mg/L
2	Sn 189.933	-1.5	-1.4	0.0222885	mg/L	0.0222885	mg/L
2	Sr 407.771	1301.5	1238.2	-0.0017133	mg/L	-0.0017133	mg/L
2	Ti 334.941	1835.7	1746.3	-0.0017535	mg/L	-0.0017535	mg/L

2 Tl 190.800	16.0	15.2	0.0001709 mg/L	0.0001709 mg/L	
2 V 292.402	-280.5	-266.8	0.0012752 mg/L	0.0012752 mg/L	
2 Zn 206.200	20.0	19.0	0.0073142 mg/L	0.0073142 mg/L	

Mean Data

ID: BLK 1-20 RDB Seq. No.: 9 Sample No.: 9 A/S Pos: 58
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/21/10 1:42:22 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	408090.4	104.6	0.67	mg/L				0.64%
Y 360.064	248762.9	105.1	0.73	mg/L				0.70%
Ag 328.068	7.8	-0.0003588	0.00021831	mg/L	-0.0003588	0.00021831	mg/L	60.84%
Al 396.140	73.4	-0.0193639	0.02124597	mg/L	-0.0193639	0.02124597	mg/L	109.72%
As 188.979	7.0	0.0330534	0.02650556	mg/L	0.0330534	0.02650556	mg/L	80.19%
B 249.773	137.7	0.0001816	0.00130787	mg/L	0.0001816	0.00130787	mg/L	720.15%
Ba 455.403	8478.6	-0.0016727	0.00002047	mg/L	-0.0016727	0.00002047	mg/L	1.22%
Be 234.861	77.4	-0.0002610	0.00002480	mg/L	-0.0002610	0.00002480	mg/L	9.50%
Ca 315.887	1863.9	0.199911	0.0047967	mg/L	0.199911	0.0047967	mg/L	2.40%
Cd 214.438	47.4	-0.0018615	0.00044545	mg/L	-0.0018615	0.00044545	mg/L	23.93%
Ce 413.765	-201.7	-0.0099948	0.01997774	mg/L	-0.0099948	0.01997774	mg/L	199.88%
Co 228.616	-16.7	-0.0038723	0.00003555	mg/L	-0.0038723	0.00003555	mg/L	0.92%
Cr 205.560	48.1	0.0000360	0.00022858	mg/L	0.0000360	0.00022858	mg/L	634.54%
Cu 327.394	-52.6	-0.0049033	0.00369547	mg/L	-0.0049033	0.00369547	mg/L	75.37%
Fe 238.204	190.8	0.0086109	0.00053784	mg/L	0.0086109	0.00053784	mg/L	6.25%
K 766.514	2008.2	-0.0868012	0.00349621	mg/L	-0.0868012	0.00349621	mg/L	4.03%
Li 670.781	161.6	-0.0031760	0.00016966	mg/L	-0.0031760	0.00016966	mg/L	5.34%
Mg 279.074	63.5	0.0283124	0.02977965	mg/L	0.0283124	0.02977965	mg/L	105.18%
Mn 257.610	-117.0	-0.0012145	0.00010873	mg/L	-0.0012145	0.00010873	mg/L	8.95%
Mo 202.031	9.3	0.0072540	0.01240059	mg/L	0.0072540	0.01240059	mg/L	170.95%
Na 589.594	3975.8	0.0671860	0.00992190	mg/L	0.0671860	0.00992190	mg/L	14.77%
Ni 231.603	68.0	-0.0007806	0.00497530	mg/L	-0.0007806	0.00497530	mg/L	637.37%
Pb 220.353	-2.3	-0.0159188	0.02526078	mg/L	-0.0159188	0.02526078	mg/L	158.69%
Sb 206.831	-2.1	-0.0466471	0.04537857	mg/L	-0.0466471	0.04537857	mg/L	97.28%
Se 196.026	72.1	-0.0199683	0.02032592	mg/L	-0.0199683	0.02032592	mg/L	101.79%
Si 251.611	3613.0	-0.815921	0.1002042	mg/L	-0.815921	0.1002042	mg/L	12.28%
Sn 189.933	-1.5	0.0209895	0.00183697	mg/L	0.0209895	0.00183697	mg/L	8.75%
Sr 407.771	1214.9	-0.0017314	0.00002565	mg/L	-0.0017314	0.00002565	mg/L	1.48%
Ti 334.941	1760.8	-0.0015809	0.00024420	mg/L	-0.0015809	0.00024420	mg/L	15.45%
Tl 190.800	15.0	-0.0016831	0.00262191	mg/L	-0.0016831	0.00262191	mg/L	155.78%
V 292.402	-259.4	0.0018002	0.00074250	mg/L	0.0018002	0.00074250	mg/L	41.24%
Zn 206.200	22.4	0.0089871	0.00236583	mg/L	0.0089871	0.00236583	mg/L	26.32%

Replicate Data

ID: BS Date: 1/21/10 1:45:42 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	414930.4	414930.4	106.4	mg/L		
1	Y 360.064	253022.7	253022.7	106.9	mg/L		
1	Ag 328.068	5433.0	5106.3	0.220536	mg/L	0.220536	mg/L
1	Al 396.140	8659.0	8138.4	1.15779	mg/L	1.15779	mg/L
1	As 188.979	209.0	196.4	1.22138	mg/L	1.22138	mg/L
1	B 249.773	2408.6	2263.7	0.230785	mg/L	0.230785	mg/L
1	Ba 455.403	151768.8	142643.7	0.234579	mg/L	0.234579	mg/L
1	Be 234.861	2084.9	1959.5	0.0231615	mg/L	0.0231615	mg/L
1	Ca 315.887	117261.4	110211.0	12.0287	mg/L	12.0287	mg/L
1	Cd 214.438	1555.9	1462.4	0.235448	mg/L	0.235448	mg/L
1	Ce 413.765	-91.2	-85.7	0.0091797	mg/L	0.0091797	mg/L
1	Co 228.616	754.5	709.2	0.239657	mg/L	0.239657	mg/L
1	Cr 205.560	309.2	290.6	0.236602	mg/L	0.236602	mg/L
1	Cu 327.394	3309.2	3110.2	0.233859	mg/L	0.233859	mg/L
1	Fe 238.204	2236.6	2102.1	0.242625	mg/L	0.242625	mg/L
1	K 766.514	40069.4	37660.2	11.8033	mg/L	11.8033	mg/L
1	Li 670.781	37300.2	35057.5	0.234511	mg/L	0.234511	mg/L
1	Mg 279.074	14461.3	13591.8	11.8608	mg/L	11.8608	mg/L
1	Mn 257.610	16964.6	15944.6	0.234702	mg/L	0.234702	mg/L
1	Mo 202.031	169.7	159.5	0.250528	mg/L	0.250528	mg/L
1	Na 589.594	176015.6	165432.6	11.8675	mg/L	11.8675	mg/L
1	Ni 231.603	460.4	432.7	0.229029	mg/L	0.229029	mg/L

1 Pb 220.353	64.3	60.5	0.239613 mg/L	0.239613 mg/L	
1 Sb 206.831	232.8	218.8	1.16995 mg/L	1.16995 mg/L	
1 Se 196.026	230.4	216.6	1.15516 mg/L	1.15516 mg/L	
1 Si 251.611	9381.3	8817.3	0.198783 mg/L	0.198783 mg/L	
1 Sn 189.933	113.2	106.4	1.17795 mg/L	1.17795 mg/L	
1 Sr 407.771	325855.8	306263.7	0.235819 mg/L	0.235819 mg/L	
1 Ti 334.941	22819.5	21447.5	0.232883 mg/L	0.232883 mg/L	
1 Tl 190.800	209.6	197.0	1.20176 mg/L	1.20176 mg/L	
1 V 292.402	3180.6	2989.4	0.233488 mg/L	0.233488 mg/L	
1 Zn 206.200	529.0	497.2	0.243712 mg/L	0.243712 mg/L	
2 Sc 357.253	414288.1	414288.1	106.2 mg/L		
2 Y 360.064	252694.9	252694.9	106.8 mg/L		
2 Ag 328.068	5529.1	5204.7	0.224799 mg/L	0.224799 mg/L	
2 Al 396.140	8495.2	7996.8	1.13713 mg/L	1.13713 mg/L	
2 As 188.979	202.2	190.3	1.18316 mg/L	1.18316 mg/L	
2 B 249.773	2348.8	2211.0	0.225066 mg/L	0.225066 mg/L	
2 Ba 455.403	150662.5	141823.5	0.233135 mg/L	0.233135 mg/L	
2 Be 234.861	2108.6	1984.9	0.0234770 mg/L	0.0234770 mg/L	
2 Ca 315.887	116694.3	109848.1	11.9891 mg/L	11.9891 mg/L	
2 Cd 214.438	1547.3	1456.6	0.234474 mg/L	0.234474 mg/L	
2 Ce 413.765	-97.5	-91.8	0.0081678 mg/L	0.0081678 mg/L	
2 Co 228.616	738.7	695.4	0.235028 mg/L	0.235028 mg/L	
2 Cr 205.560	316.7	298.1	0.243910 mg/L	0.243910 mg/L	
2 Cu 327.394	3307.4	3113.4	0.234098 mg/L	0.234098 mg/L	
2 Fe 238.204	2235.2	2104.0	0.242855 mg/L	0.242855 mg/L	
2 K 766.514	39892.7	37552.2	11.7673 mg/L	11.7673 mg/L	
2 Li 670.781	37020.6	34848.7	0.233088 mg/L	0.233088 mg/L	
2 Mg 279.074	14267.8	13430.7	11.7199 mg/L	11.7199 mg/L	
2 Mn 257.610	16828.1	15840.8	0.233177 mg/L	0.233177 mg/L	
2 Mo 202.031	160.2	150.8	0.236354 mg/L	0.236354 mg/L	
2 Na 589.594	174861.2	164602.5	11.8069 mg/L	11.8069 mg/L	
2 Ni 231.603	479.8	451.7	0.240979 mg/L	0.240979 mg/L	
2 Pb 220.353	71.0	66.9	0.265722 mg/L	0.265722 mg/L	
2 Sb 206.831	224.5	211.3	1.12871 mg/L	1.12871 mg/L	
2 Se 196.026	216.5	203.8	1.05113 mg/L	1.05113 mg/L	
2 Si 251.611	8590.4	8086.4	0.0562812 mg/L	0.0562812 mg/L	
2 Sn 189.933	110.9	104.4	1.15603 mg/L	1.15603 mg/L	
2 Sr 407.771	323829.2	304830.8	0.234704 mg/L	0.234704 mg/L	
2 Ti 334.941	22667.5	21337.7	0.231576 mg/L	0.231576 mg/L	
2 Tl 190.800	206.4	194.3	1.18425 mg/L	1.18425 mg/L	
2 V 292.402	3231.7	3042.1	0.237249 mg/L	0.237249 mg/L	
2 Zn 206.200	533.3	502.0	0.246107 mg/L	0.246107 mg/L	

Mean Data

ID: BS Seq. No.: 10 Sample No.: 10 A/S Pos: 59
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/21/10 1:45:42 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	414609.3	106.3	0.12	mg/L				0.11%
Y 360.064	252858.8	106.9	0.10	mg/L				0.09%
Ag 328.068	5155.5	0.222667	0.0030146	mg/L	0.222667	0.0030146	mg/L	1.35%
Al 396.140	8067.6	1.14746	0.014614	mg/L	1.14746	0.014614	mg/L	1.27%
As 188.979	193.4	1.20227	0.027028	mg/L	1.20227	0.027028	mg/L	2.25%
B 249.773	2237.4	0.227925	0.0040436	mg/L	0.227925	0.0040436	mg/L	1.77%
Ba 455.403	142233.6	0.233857	0.0010213	mg/L	0.233857	0.0010213	mg/L	0.44%
Be 234.861	1972.2	0.0233193	0.00022308	mg/L	0.0233193	0.00022308	mg/L	0.96%
Ca 315.887	110029.6	12.0089	0.02800	mg/L	12.0089	0.02800	mg/L	0.23%
Cd 214.438	1459.5	0.234961	0.0006885	mg/L	0.234961	0.0006885	mg/L	0.29%
Ce 413.765	-88.7	0.0086737	0.00071549	mg/L	0.0086737	0.00071549	mg/L	8.25%
Co 228.616	702.3	0.237343	0.0032728	mg/L	0.237343	0.0032728	mg/L	1.38%
Cr 205.560	294.4	0.240256	0.0051674	mg/L	0.240256	0.0051674	mg/L	2.15%
Cu 327.394	3111.8	0.233979	0.0001689	mg/L	0.233979	0.0001689	mg/L	0.07%
Fe 238.204	2103.1	0.242740	0.0001628	mg/L	0.242740	0.0001628	mg/L	0.07%
K 766.514	37606.2	11.7853	0.02546	mg/L	11.7853	0.02546	mg/L	0.22%
Li 670.781	34953.1	0.233799	0.0010057	mg/L	0.233799	0.0010057	mg/L	0.43%
Mg 279.074	13511.3	11.7904	0.09965	mg/L	11.7904	0.09965	mg/L	0.85%
Mn 257.610	15892.7	0.233939	0.0010779	mg/L	0.233939	0.0010779	mg/L	0.46%
Mo 202.031	155.2	0.243441	0.0100223	mg/L	0.243441	0.0100223	mg/L	4.12%
Na 589.594	165017.6	11.8372	0.04288	mg/L	11.8372	0.04288	mg/L	0.36%

Ni 231.603	442.2	0.235004	0.0084496	mg/L	0.235004	0.0084496 mg/L	3.60%
Pb 220.353	63.7	0.252668	0.0184618	mg/L	0.252668	0.0184618 mg/L	7.31%
Sb 206.831	215.1	1.14933	0.029157	mg/L	1.14933	0.029157 mg/L	2.54%
Se 196.026	210.2	1.10315	0.073560	mg/L	1.10315	0.073560 mg/L	6.67%
Si 251.611	8451.8	0.127532	0.1007637	mg/L	0.127532	0.1007637 mg/L	79.01%
Sn 189.933	105.4	1.16699	0.015504	mg/L	1.16699	0.015504 mg/L	1.33%
Sr 407.771	305547.3	0.235262	0.0007890	mg/L	0.235262	0.0007890 mg/L	0.34%
Ti 334.941	21392.6	0.232229	0.0009245	mg/L	0.232229	0.0009245 mg/L	0.40%
Tl 190.800	195.6	1.19300	0.012380	mg/L	1.19300	0.012380 mg/L	1.04%
V 292.402	3015.8	0.235368	0.0026596	mg/L	0.235368	0.0026596 mg/L	1.13%
Zn 206.200	499.6	0.244909	0.0016934	mg/L	0.244909	0.0016934 mg/L	0.69%

Replicate Data

ID: 0A21015-CCV Date: 1/21/10 1:49:08 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	395543.1	395543.1	101.4	mg/L		
1	Y 360.064	240229.2	240229.2	101.5	mg/L		
1	Ag 328.068	11948.4	11780.5	0.509697	mg/L		
1	Al 396.140	17946.2	17693.9	2.55249	mg/L		
1	As 188.979	414.9	409.1	2.55476	mg/L		
1	B 249.773	4822.7	4754.9	0.500999	mg/L		
1	Ba 455.403	300614.2	296388.2	0.505308	mg/L		
1	Be 234.861	4222.8	4163.4	0.0505888	mg/L		
1	Ca 315.887	46904.4	46245.0	5.04295	mg/L		
1	Cd 214.438	3133.3	3089.2	0.508292	mg/L		
1	Ce 413.765	-106.1	-104.6	0.0060557	mg/L		
1	Co 228.616	1524.6	1503.2	0.506037	mg/L		
1	Cr 205.560	579.0	570.8	0.509920	mg/L		
1	Cu 327.394	6837.8	6741.7	0.507996	mg/L		
1	Fe 238.204	4381.5	4319.9	0.514155	mg/L		
1	K 766.514	17893.9	17642.4	5.12765	mg/L		
1	Li 670.781	76412.5	75338.3	0.508875	mg/L		
1	Mg 279.074	5857.4	5775.1	5.02338	mg/L		
1	Mn 257.610	34953.4	34462.1	0.506690	mg/L		
1	Mo 202.031	323.4	318.9	0.508549	mg/L		
1	Na 589.594	73294.8	72264.5	5.05668	mg/L		
1	Ni 231.603	885.5	873.0	0.506472	mg/L		
1	Pb 220.353	131.4	129.6	0.520913	mg/L		
1	Sb 206.831	463.7	457.1	2.48239	mg/L		
1	Se 196.026	389.2	383.7	2.51517	mg/L		
1	Si 251.611	21449.8	21148.2	2.60303	mg/L		
1	Sn 189.933	238.0	234.6	2.55170	mg/L		
1	Sr 407.771	662337.6	653026.7	0.505854	mg/L		
1	Ti 334.941	45253.8	44617.7	0.508836	mg/L		
1	Tl 190.800	403.8	398.2	2.53222	mg/L		
1	V 292.402	6986.7	6888.4	0.511545	mg/L		
1	Zn 206.200	1033.6	1019.1	0.501740	mg/L		
2	Sc 357.253	395141.1	395141.1	101.3	mg/L		
2	Y 360.064	239783.7	239783.7	101.3	mg/L		
2	Ag 328.068	12162.8	12004.0	0.519381	mg/L		
2	Al 396.140	18212.1	17974.4	2.59343	mg/L		
2	As 188.979	415.7	410.3	2.56272	mg/L		
2	B 249.773	4895.5	4831.6	0.509315	mg/L		
2	Ba 455.403	302305.9	298359.4	0.508779	mg/L		
2	Be 234.861	4288.9	4232.9	0.0514533	mg/L		
2	Ca 315.887	47359.5	46741.2	5.09714	mg/L		
2	Cd 214.438	3125.8	3085.0	0.507583	mg/L		
2	Ce 413.765	-21.8	-21.5	0.0197872	mg/L		
2	Co 228.616	1530.5	1510.5	0.508499	mg/L		
2	Cr 205.560	576.9	569.4	0.508481	mg/L		
2	Cu 327.394	6841.3	6752.0	0.508773	mg/L		
2	Fe 238.204	4415.1	4357.5	0.518759	mg/L		
2	K 766.514	17947.2	17712.9	5.15118	mg/L		
2	Li 670.781	76827.3	75824.4	0.512186	mg/L		
2	Mg 279.074	5938.2	5860.6	5.09818	mg/L		
2	Mn 257.610	35261.7	34801.4	0.511673	mg/L		
2	Mo 202.031	320.6	316.4	0.504443	mg/L		
2	Na 589.594	73849.4	72885.3	5.10206	mg/L		

2	Ni 231.603	874.7	863.2	0.500311	mg/L
2	Pb 220.353	128.5	126.8	0.509652	mg/L
2	Sb 206.831	478.6	472.4	2.56632	mg/L
2	Se 196.026	381.3	376.4	2.45505	mg/L
2	Si 251.611	22908.4	22609.3	2.88790	mg/L
2	Sn 189.933	233.0	229.9	2.50148	mg/L
2	Sr 407.771	666122.4	657426.5	0.509281	mg/L
2	Ti 334.941	45803.0	45205.0	0.515831	mg/L
2	Tl 190.800	406.6	401.3	2.55273	mg/L
2	V 292.402	6989.9	6898.7	0.512274	mg/L
2	Zn 206.200	1048.2	1034.6	0.509375	mg/L

Mean Data

ID: 0A21015-CCV Seq. No.: 11 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: 1/21/10 1:49:08 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	395342.1	101.4	0.07	mg/L				0.07%
Y 360.064	240006.5	101.4	0.13	mg/L				0.13%
Ag 328.068	11892.2	0.514539	0.0068477	mg/L				1.33%
Al 396.140	17834.1	2.57296	0.028946	mg/L				1.13%
As 188.979	409.7	2.55874	0.005632	mg/L				0.22%
B 249.773	4793.3	0.505157	0.0058802	mg/L				1.16%
Ba 455.403	297373.8	0.507044	0.0024544	mg/L				0.48%
Be 234.861	4198.1	0.0510211	0.00061130	mg/L				1.20%
Ca 315.887	46493.1	5.07005	0.038314	mg/L				0.76%
Cd 214.438	3087.1	0.507937	0.0005015	mg/L				0.10%
Ce 413.765	-63.0	0.0129214	0.00970966	mg/L				75.14%
Co 228.616	1506.8	0.507268	0.0017409	mg/L				0.34%
Cr 205.560	570.1	0.509201	0.0010173	mg/L				0.20%
Cu 327.394	6746.8	0.508384	0.0005496	mg/L				0.11%
Fe 238.204	4338.7	0.516457	0.0032556	mg/L				0.63%
K 766.514	17677.6	5.13942	0.016637	mg/L				0.32%
Li 670.781	75581.3	0.510530	0.0023412	mg/L				0.46%
Mg 279.074	5817.9	5.06078	0.052892	mg/L				1.05%
Mn 257.610	34631.7	0.509182	0.0035240	mg/L				0.69%
Mo 202.031	317.6	0.506496	0.0029032	mg/L				0.57%
Na 589.594	72574.9	5.07937	0.032088	mg/L				0.63%
Ni 231.603	868.1	0.503391	0.0043564	mg/L				0.87%
Pb 220.353	128.2	0.515282	0.0079631	mg/L				1.55%
Sb 206.831	464.8	2.52436	0.059343	mg/L				2.35%
Se 196.026	380.1	2.48511	0.042510	mg/L				1.71%
Si 251.611	21878.8	2.74546	0.201435	mg/L				7.34%
Sn 189.933	232.3	2.52659	0.035507	mg/L				1.41%
Sr 407.771	655226.6	0.507567	0.0024227	mg/L				0.48%
Ti 334.941	44911.4	0.512334	0.0049464	mg/L				0.97%
Tl 190.800	399.7	2.54247	0.014503	mg/L				0.57%
V 292.402	6893.6	0.511909	0.0005156	mg/L				0.10%
Zn 206.200	1026.8	0.505558	0.0053992	mg/L				1.07%

Replicate Data

ID: 0A21015-CCB Date: 1/21/10 1:52:25 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	390441.2	390441.2	100.1	mg/L		
1	Y 360.064	236980.1	236980.1	100.1	mg/L		
1	Ag 328.068	-62.5	-62.4	-0.0034011	mg/L		
1	Al 396.140	188.3	188.1	-0.0026156	mg/L		
1	As 188.979	1.3	1.2	-0.0027253	mg/L		
1	B 249.773	189.7	189.4	0.0057901	mg/L		
1	Ba 455.403	8549.1	8539.0	-0.0015663	mg/L		
1	Be 234.861	88.8	88.7	-0.0001207	mg/L		
1	Ca 315.887	-97.5	-97.4	-0.0142096	mg/L		
1	Cd 214.438	47.3	47.3	-0.0018872	mg/L		
1	Ce 413.765	-99.5	-99.4	0.0069099	mg/L		
1	Co 228.616	-18.1	-18.1	-0.0043291	mg/L		
1	Cr 205.560	58.5	58.5	0.0101495	mg/L		
1	Cu 327.394	-84.3	-84.2	-0.0072914	mg/L		

1	Fe 238.204	122.4	122.3	0.0002175	mg/L
1	K 766.514	2028.2	2025.8	-0.0809361	mg/L
1	Li 670.781	383.4	382.9	-0.0016685	mg/L
1	Mg 279.074	24.6	24.6	-0.0057838	mg/L
1	Mn 257.610	-177.5	-177.3	-0.0020995	mg/L
1	Mo 202.031	7.8	7.8	0.0048368	mg/L
1	Na 589.594	2684.9	2681.8	-0.0273811	mg/L
1	Ni 231.603	71.8	71.7	0.0015697	mg/L
1	Pb 220.353	-12.4	-12.4	-0.0567141	mg/L
1	Sb 206.831	5.8	5.8	-0.0030332	mg/L
1	Se 196.026	80.9	80.8	0.0502691	mg/L
1	Si 251.611	6184.6	6177.4	-0.315929	mg/L
1	Sn 189.933	1.0	1.0	0.0478629	mg/L
1	Sr 407.771	942.8	941.7	-0.0019442	mg/L
1	Ti 334.941	1808.9	1806.8	-0.0010339	mg/L
1	Tl 190.800	13.9	13.9	-0.0086725	mg/L
1	V 292.402	-249.5	-249.2	0.0025307	mg/L
1	Zn 206.200	-0.5	-0.5	-0.0023288	mg/L
2	Sc 357.253	388702.4	388702.4	99.7	mg/L
2	Y 360.064	235946.3	235946.3	99.7	mg/L
2	Ag 328.068	-10.4	-10.4	-0.0011477	mg/L
2	Al 396.140	138.5	139.0	-0.0097906	mg/L
2	As 188.979	-0.2	-0.2	-0.0115571	mg/L
2	B 249.773	180.4	181.0	0.0048701	mg/L
2	Ba 455.403	8510.7	8538.8	-0.0015668	mg/L
2	Be 234.861	87.0	87.3	-0.0001388	mg/L
2	Ca 315.887	-217.3	-218.0	-0.0273818	mg/L
2	Cd 214.438	46.7	46.8	-0.0019563	mg/L
2	Ce 413.765	-137.2	-137.7	0.0005875	mg/L
2	Co 228.616	-5.2	-5.2	-0.0000250	mg/L
2	Cr 205.560	41.3	41.5	-0.0064415	mg/L
2	Cu 327.394	-57.4	-57.6	-0.0052811	mg/L
2	Fe 238.204	131.9	132.4	0.0014548	mg/L
2	K 766.514	1952.8	1959.3	-0.103118	mg/L
2	Li 670.781	598.3	600.3	-0.0001878	mg/L
2	Mg 279.074	13.1	13.1	-0.0157961	mg/L
2	Mn 257.610	-170.8	-171.4	-0.0020128	mg/L
2	Mo 202.031	6.0	6.0	0.0019937	mg/L
2	Na 589.594	2722.4	2731.3	-0.0237577	mg/L
2	Ni 231.603	56.4	56.6	-0.0079711	mg/L
2	Pb 220.353	-4.6	-4.6	-0.0252795	mg/L
2	Sb 206.831	1.1	1.1	-0.0291592	mg/L
2	Se 196.026	76.4	76.7	0.0167821	mg/L
2	Si 251.611	5478.7	5496.8	-0.448631	mg/L
2	Sn 189.933	0.1	0.1	0.0386872	mg/L
2	Sr 407.771	898.8	901.8	-0.0019753	mg/L
2	Ti 334.941	1824.3	1830.3	-0.0007539	mg/L
2	Tl 190.800	10.7	10.7	-0.0297314	mg/L
2	V 292.402	-195.4	-196.0	0.0063237	mg/L
2	Zn 206.200	1.7	1.7	-0.0012336	mg/L

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

ID: 0A21015-CCB Seq. No.: 12 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: 1/21/10 1:52:25 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	389571.8	99.9	0.32	mg/L				0.32%
Y 360.064	236463.2	99.9	0.31	mg/L				0.31%
Ag 328.068	-36.4	-0.0022744	0.00159339	mg/L				70.06%
Al 396.140	163.5	-0.0062031	0.00507345	mg/L				81.79%
As 188.979	0.5	-0.0071412	0.00624502	mg/L				87.45%
B 249.773	185.2	0.0053301	0.00065052	mg/L				12.20%
Ba 455.403	8538.9	-0.0015665	0.00000032	mg/L				0.02%
Be 234.861	88.0	-0.0001298	0.00001273	mg/L				9.81%
Ca 315.887	-157.7	-0.0207957	0.00931415	mg/L				44.79%
Cd 214.438	47.0	-0.0019218	0.00004887	mg/L				2.54%
Ce 413.765	-118.6	0.0037487	0.00447064	mg/L				119.26%
Co 228.616	-11.7	-0.0021770	0.00304342	mg/L				139.80%
Cr 205.560	50.0	0.0018540	0.01173163	mg/L				632.76%

Cu 327.394	-70.9	-0.0062862	0.00142155	mg/L	22.61%
Fe 238.204	127.3	0.0008361	0.00087491	mg/L	104.64%
K 766.514	1992.5	-0.0920269	0.01568482	mg/L	17.04%
Li 670.781	491.6	-0.0009281	0.00104699	mg/L	112.81%
Mg 279.074	18.8	-0.0107900	0.00707977	mg/L	65.61%
Mn 257.610	-174.3	-0.0020561	0.00006133	mg/L	2.98%
Mo 202.031	6.9	0.0034153	0.00201032	mg/L	58.86%
Na 589.594	2706.6	-0.0255694	0.00256209	mg/L	10.02%
Ni 231.603	64.2	-0.0032007	0.00674636	mg/L	210.78%
Pb 220.353	-8.5	-0.0409968	0.02222757	mg/L	54.22%
Sb 206.831	3.4	-0.0160962	0.01847383	mg/L	114.77%
Se 196.026	78.7	0.0335256	0.02367889	mg/L	70.63%
Si 251.611	5837.1	-0.382280	0.0938345	mg/L	24.55%
Sn 189.933	0.5	0.0432751	0.00648825	mg/L	14.99%
Sr 407.771	921.7	-0.0019597	0.00002197	mg/L	1.12%
Ti 334.941	1818.5	-0.0008939	0.00019801	mg/L	22.15%
Tl 190.800	12.3	-0.0192019	0.01489092	mg/L	77.55%
V 292.402	-222.6	0.0044272	0.00268206	mg/L	60.58%
Zn 206.200	0.6	-0.0017812	0.00077444	mg/L	43.48%

Replicate Data

ID: AC1 Date: 1/21/10 1:55:43 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	415585.9	415585.9	106.6	mg/L		
1	Y 360.064	253172.6	253172.6	107.0	mg/L		
1	Ag 328.068	10770.3	10106.7	0.437181	mg/L	0.437181	mg/L
1	Al 396.140	16508.1	15491.1	2.23097	mg/L	2.23097	mg/L
1	As 188.979	380.1	356.6	2.22609	mg/L	2.22609	mg/L
1	B 249.773	4509.1	4231.3	0.444201	mg/L	0.444201	mg/L
1	Ba 455.403	285486.5	267898.4	0.455140	mg/L	0.455140	mg/L
1	Be 234.861	4001.3	3754.8	0.0455035	mg/L	0.0455035	mg/L
1	Ca 315.887	47857.1	44908.7	4.89730	mg/L	4.89730	mg/L
1	Cd 214.438	2974.2	2791.0	0.458273	mg/L	0.458273	mg/L
1	Ce 413.765	-161.4	-151.5	-0.0016919	mg/L	-0.0016919	mg/L
1	Co 228.616	1459.1	1369.2	0.461102	mg/L	0.461102	mg/L
1	Cr 205.560	552.7	518.7	0.459042	mg/L	0.459042	mg/L
1	Cu 327.394	6548.3	6144.9	0.462944	mg/L	0.462944	mg/L
1	Fe 238.204	4200.1	3941.3	0.467807	mg/L	0.467807	mg/L
1	K 766.514	16706.0	15676.8	4.47213	mg/L	4.47213	mg/L
1	Li 670.781	73056.5	68555.7	0.462676	mg/L	0.462676	mg/L
1	Mg 279.074	5712.4	5360.5	4.65987	mg/L	4.65987	mg/L
1	Mn 257.610	33286.9	31236.2	0.459307	mg/L	0.459307	mg/L
1	Mo 202.031	303.3	284.6	0.452963	mg/L	0.452963	mg/L
1	Na 589.594	71782.9	67360.5	4.69841	mg/L	4.69841	mg/L
1	Ni 231.603	852.3	799.8	0.460353	mg/L	0.460353	mg/L
1	Pb 220.353	122.1	114.6	0.459744	mg/L	0.459744	mg/L
1	Sb 206.831	443.4	416.1	2.25632	mg/L	2.25632	mg/L
1	Se 196.026	373.8	350.8	2.24679	mg/L	2.24679	mg/L
1	Si 251.611	7237.5	6791.6	-0.196177	mg/L	-0.196177	mg/L
1	Sn 189.933	165.2	155.1	1.69917	mg/L	1.69917	mg/L
1	Sr 407.771	639923.9	600499.9	0.464950	mg/L	0.464950	mg/L
1	Ti 334.941	40535.1	38037.9	0.430472	mg/L	0.430472	mg/L
1	Tl 190.800	385.7	361.9	2.29259	mg/L	2.29259	mg/L
1	V 292.402	6559.1	6155.0	0.459243	mg/L	0.459243	mg/L
1	Zn 206.200	1001.4	939.7	0.462504	mg/L	0.462504	mg/L
2	Sc 357.253	418753.6	418753.6	107.4	mg/L		
2	Y 360.064	255863.5	255863.5	108.1	mg/L		
2	Ag 328.068	10744.9	10006.7	0.432848	mg/L	0.432848	mg/L
2	Al 396.140	16533.4	15397.5	2.21731	mg/L	2.21731	mg/L
2	As 188.979	389.2	362.4	2.26234	mg/L	2.26234	mg/L
2	B 249.773	4556.5	4243.4	0.445516	mg/L	0.445516	mg/L
2	Ba 455.403	284290.4	264758.0	0.449610	mg/L	0.449610	mg/L
2	Be 234.861	4003.3	3728.3	0.0451734	mg/L	0.0451734	mg/L
2	Ca 315.887	48068.5	44765.9	4.88170	mg/L	4.88170	mg/L
2	Cd 214.438	2984.1	2779.1	0.456275	mg/L	0.456275	mg/L
2	Ce 413.765	-187.9	-175.0	-0.0055820	mg/L	-0.0055820	mg/L
2	Co 228.616	1460.5	1360.1	0.458046	mg/L	0.458046	mg/L
2	Cr 205.560	560.9	522.4	0.462671	mg/L	0.462671	mg/L

2 Cu 327.394	6400.9	5961.1	0.449071 mg/L	0.449071 mg/L	
2 Fe 238.204	4209.0	3919.9	0.465176 mg/L	0.465176 mg/L	
2 K 766.514	16799.7	15645.4	4.46157 mg/L	4.46157 mg/L	
2 Li 670.781	72434.8	67458.1	0.455200 mg/L	0.455200 mg/L	
2 Mg 279.074	5734.6	5340.6	4.64248 mg/L	4.64248 mg/L	
2 Mn 257.610	33248.3	30964.0	0.455309 mg/L	0.455309 mg/L	
2 Mo 202.031	310.4	289.1	0.460278 mg/L	0.460278 mg/L	
2 Na 589.594	71520.3	66606.4	4.64329 mg/L	4.64329 mg/L	
2 Ni 231.603	876.9	816.6	0.470944 mg/L	0.470944 mg/L	
2 Pb 220.353	115.1	107.2	0.429963 mg/L	0.429963 mg/L	
2 Sb 206.831	443.8	413.3	2.24101 mg/L	2.24101 mg/L	
2 Se 196.026	382.3	356.0	2.28940 mg/L	2.28940 mg/L	
2 Si 251.611	6346.9	5910.9	-0.367894 mg/L	-0.367894 mg/L	
2 Sn 189.933	167.1	155.7	1.70553 mg/L	1.70553 mg/L	
2 Sr 407.771	636749.7	593001.2	0.459111 mg/L	0.459111 mg/L	
2 Ti 334.941	40620.4	37829.6	0.427991 mg/L	0.427991 mg/L	
2 Tl 190.800	397.9	370.6	2.34997 mg/L	2.34997 mg/L	
2 V 292.402	6600.6	6147.1	0.458677 mg/L	0.458677 mg/L	
2 Zn 206.200	1009.0	939.7	0.462478 mg/L	0.462478 mg/L	

Mean Data

ID: AC1 Seq. No.: 13 Sample No.: 11 A/S Pos: 60
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/21/10 1:55:43 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	417169.7	107.0	0.57	mg/L				0.54%
Y 360.064	254518.0	107.6	0.80	mg/L				0.75%
Ag 328.068	10056.7	0.435015	0.0030645	mg/L	0.435015	0.0030645	mg/L	0.70%
Al 396.140	15444.3	2.22414	0.009655	mg/L	2.22414	0.009655	mg/L	0.43%
As 188.979	359.5	2.24421	0.025635	mg/L	2.24421	0.025635	mg/L	1.14%
B 249.773	4237.4	0.444858	0.0009300	mg/L	0.444858	0.0009300	mg/L	0.21%
Ba 455.403	266328.2	0.452375	0.0039103	mg/L	0.452375	0.0039103	mg/L	0.86%
Be 234.861	3741.5	0.0453384	0.00023345	mg/L	0.0453384	0.00023345	mg/L	0.51%
Ca 315.887	44837.3	4.88950	0.011031	mg/L	4.88950	0.011031	mg/L	0.23%
Cd 214.438	2785.0	0.457274	0.0014129	mg/L	0.457274	0.0014129	mg/L	0.31%
Ce 413.765	-163.2	-0.0036370	0.00275067	mg/L	-0.0036370	0.00275067	mg/L	75.63%
Co 228.616	1364.7	0.459574	0.0021608	mg/L	0.459574	0.0021608	mg/L	0.47%
Cr 205.560	520.5	0.460856	0.0025660	mg/L	0.460856	0.0025660	mg/L	0.56%
Cu 327.394	6053.0	0.456007	0.0098096	mg/L	0.456007	0.0098096	mg/L	2.15%
Fe 238.204	3930.6	0.466491	0.0018599	mg/L	0.466491	0.0018599	mg/L	0.40%
K 766.514	15661.1	4.46685	0.007467	mg/L	4.46685	0.007467	mg/L	0.17%
Li 670.781	68006.9	0.458938	0.0052863	mg/L	0.458938	0.0052863	mg/L	1.15%
Mg 279.074	5350.5	4.65118	0.012296	mg/L	4.65118	0.012296	mg/L	0.26%
Mn 257.610	31100.1	0.457308	0.0028275	mg/L	0.457308	0.0028275	mg/L	0.62%
Mo 202.031	286.8	0.456621	0.0051727	mg/L	0.456621	0.0051727	mg/L	1.13%
Na 589.594	66983.5	4.67085	0.038981	mg/L	4.67085	0.038981	mg/L	0.83%
Ni 231.603	808.2	0.465649	0.0074886	mg/L	0.465649	0.0074886	mg/L	1.61%
Pb 220.353	110.9	0.444854	0.0210581	mg/L	0.444854	0.0210581	mg/L	4.73%
Sb 206.831	414.7	2.24866	0.010829	mg/L	2.24866	0.010829	mg/L	0.48%
Se 196.026	353.4	2.26810	0.030132	mg/L	2.26810	0.030132	mg/L	1.33%
Si 251.611	6351.2	-0.282035	0.1214226	mg/L	-0.282035	0.1214226	mg/L	43.05%
Sn 189.933	155.4	1.70235	0.004496	mg/L	1.70235	0.004496	mg/L	0.26%
Sr 407.771	596750.5	0.462030	0.0041291	mg/L	0.462030	0.0041291	mg/L	0.89%
Ti 334.941	37933.7	0.429231	0.0017543	mg/L	0.429231	0.0017543	mg/L	0.41%
Tl 190.800	366.3	2.32128	0.040574	mg/L	2.32128	0.040574	mg/L	1.75%
V 292.402	6151.1	0.458960	0.0003999	mg/L	0.458960	0.0003999	mg/L	0.09%
Zn 206.200	939.7	0.462491	0.0000185	mg/L	0.462491	0.0000185	mg/L	0.00%

Replicate Data

ID: AC2 Date: 1/21/10 1:59:10 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	412397.0	412397.0	105.7	mg/L		
1	Y 360.064	251380.6	251380.6	106.2	mg/L		
1	Ag 328.068	10605.4	10029.0	0.433813	mg/L	0.433813	mg/L
1	Al 396.140	16589.1	15687.5	2.25964	mg/L	2.25964	mg/L
1	As 188.979	381.1	360.3	2.24929	mg/L	2.24929	mg/L
1	B 249.773	4502.7	4258.0	0.447096	mg/L	0.447096	mg/L

1 Ba 455.403	289092.2	273379.7	0.464792 mg/L	0.464792 mg/L	
1 Be 234.861	4093.6	3871.1	0.0469512 mg/L	0.0469512 mg/L	
1 Ca 315.887	48201.4	45581.6	4.97073 mg/L	4.97073 mg/L	
1 Cd 214.438	3027.5	2863.0	0.470350 mg/L	0.470350 mg/L	
1 Ce 413.765	-121.1	-114.5	0.0044187 mg/L	0.0044187 mg/L	
1 Co 228.616	1455.9	1376.8	0.463633 mg/L	0.463633 mg/L	
1 Cr 205.560	569.4	538.5	0.478371 mg/L	0.478371 mg/L	
1 Cu 327.394	6584.1	6226.3	0.469088 mg/L	0.469088 mg/L	
1 Fe 238.204	4267.1	4035.2	0.479298 mg/L	0.479298 mg/L	
1 K 766.514	17132.4	16201.3	4.64704 mg/L	4.64704 mg/L	
1 Li 670.781	73646.5	69643.7	0.470087 mg/L	0.470087 mg/L	
1 Mg 279.074	5824.1	5507.6	4.78900 mg/L	4.78900 mg/L	
1 Mn 257.610	33617.3	31790.1	0.467444 mg/L	0.467444 mg/L	
1 Mo 202.031	309.6	292.8	0.466213 mg/L	0.466213 mg/L	
1 Na 589.594	72570.9	68626.6	4.79091 mg/L	4.79091 mg/L	
1 Ni 231.603	873.1	825.6	0.476593 mg/L	0.476593 mg/L	
1 Pb 220.353	119.4	112.9	0.453176 mg/L	0.453176 mg/L	
1 Sb 206.831	447.3	423.0	2.29424 mg/L	2.29424 mg/L	
1 Se 196.026	383.0	362.2	2.34004 mg/L	2.34004 mg/L	
1 Si 251.611	5432.8	5137.5	-0.518685 mg/L	-0.518685 mg/L	
1 Sn 189.933	120.0	113.5	1.25358 mg/L	1.25358 mg/L	
1 Sr 407.771	648010.8	612790.6	0.474521 mg/L	0.474521 mg/L	
1 Ti 334.941	38416.7	36328.7	0.410116 mg/L	0.410116 mg/L	
1 Tl 190.800	396.1	374.6	2.37610 mg/L	2.37610 mg/L	
1 V 292.402	6567.3	6210.3	0.463186 mg/L	0.463186 mg/L	
1 Zn 206.200	1013.5	958.4	0.471736 mg/L	0.471736 mg/L	
2 Sc 357.253	414326.4	414326.4	106.2 mg/L		
2 Y 360.064	252710.2	252710.2	106.8 mg/L		
2 Ag 328.068	10625.5	10001.2	0.432608 mg/L	0.432608 mg/L	
2 Al 396.140	16609.8	15633.9	2.25182 mg/L	2.25182 mg/L	
2 As 188.979	389.6	366.7	2.28915 mg/L	2.28915 mg/L	
2 B 249.773	4545.0	4278.0	0.449265 mg/L	0.449265 mg/L	
2 Ba 455.403	286185.9	269371.1	0.457734 mg/L	0.457734 mg/L	
2 Be 234.861	4051.5	3813.4	0.0462332 mg/L	0.0462332 mg/L	
2 Ca 315.887	48152.9	45323.7	4.94260 mg/L	4.94260 mg/L	
2 Cd 214.438	2996.0	2820.0	0.463137 mg/L	0.463137 mg/L	
2 Ce 413.765	-162.4	-152.9	-0.0019206 mg/L	-0.0019206 mg/L	
2 Co 228.616	1463.7	1377.7	0.463942 mg/L	0.463942 mg/L	
2 Cr 205.560	567.6	534.2	0.474213 mg/L	0.474213 mg/L	
2 Cu 327.394	6583.2	6196.4	0.466835 mg/L	0.466835 mg/L	
2 Fe 238.204	4283.6	4031.9	0.478894 mg/L	0.478894 mg/L	
2 K 766.514	17009.3	16009.9	4.58321 mg/L	4.58321 mg/L	
2 Li 670.781	72861.4	68580.4	0.462845 mg/L	0.462845 mg/L	
2 Mg 279.074	5808.8	5467.5	4.75395 mg/L	4.75395 mg/L	
2 Mn 257.610	33593.0	31619.2	0.464934 mg/L	0.464934 mg/L	
2 Mo 202.031	302.5	284.7	0.453179 mg/L	0.453179 mg/L	
2 Na 589.594	71896.5	67672.2	4.72119 mg/L	4.72119 mg/L	
2 Ni 231.603	861.2	810.6	0.467162 mg/L	0.467162 mg/L	
2 Pb 220.353	125.4	118.0	0.473769 mg/L	0.473769 mg/L	
2 Sb 206.831	444.2	418.1	2.26730 mg/L	2.26730 mg/L	
2 Se 196.026	387.6	364.9	2.36146 mg/L	2.36146 mg/L	
2 Si 251.611	4452.7	4191.1	-0.703207 mg/L	-0.703207 mg/L	
2 Sn 189.933	120.0	112.9	1.24775 mg/L	1.24775 mg/L	
2 Sr 407.771	641619.1	603920.8	0.467614 mg/L	0.467614 mg/L	
2 Ti 334.941	38543.9	36279.3	0.409527 mg/L	0.409527 mg/L	
2 Tl 190.800	384.0	361.4	2.28923 mg/L	2.28923 mg/L	
2 V 292.402	6549.1	6164.3	0.459903 mg/L	0.459903 mg/L	
2 Zn 206.200	1017.0	957.3	0.471170 mg/L	0.471170 mg/L	

Mean Data

ID: AC2 Seq. No.: 14 Sample No.: 12 A/S Pos: 61
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/21/10 1:59:10 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	413361.7	106.0	0.35	mg/L				0.33%
Y 360.064	252045.4	106.5	0.40	mg/L				0.37%
Ag 328.068	10015.1	0.433211	0.0008521	mg/L	0.433211	0.0008521	mg/L	0.20%
Al 396.140	15660.7	2.25573	0.005531	mg/L	2.25573	0.005531	mg/L	0.25%
As 188.979	363.5	2.26922	0.028188	mg/L	2.26922	0.028188	mg/L	1.24%

B 249.773	4268.0	0.448180	0.0015338 mg/L	0.448180	0.0015338 mg/L	0.34%
Ba 455.403	271375.4	0.461263	0.0049913 mg/L	0.461263	0.0049913 mg/L	1.08%
Be 234.861	3842.3	0.0465922	0.00050773 mg/L	0.0465922	0.00050773 mg/L	1.09%
Ca 315.887	45452.6	4.95667	0.019894 mg/L	4.95667	0.019894 mg/L	0.40%
Cd 214.438	2841.5	0.466743	0.0051002 mg/L	0.466743	0.0051002 mg/L	1.09%
Ce 413.765	-133.7	0.0012490	0.00448254 mg/L	0.0012490	0.00448254 mg/L	358.88%
Co 228.616	1377.2	0.463787	0.0002185 mg/L	0.463787	0.0002185 mg/L	0.05%
Cr 205.560	536.4	0.476292	0.0029399 mg/L	0.476292	0.0029399 mg/L	0.62%
Cu 327.394	6211.4	0.467962	0.0015931 mg/L	0.467962	0.0015931 mg/L	0.34%
Fe 238.204	4033.5	0.479096	0.0002853 mg/L	0.479096	0.0002853 mg/L	0.06%
K 766.514	16105.6	4.61513	0.045137 mg/L	4.61513	0.045137 mg/L	0.98%
Li 670.781	69112.1	0.466466	0.0051210 mg/L	0.466466	0.0051210 mg/L	1.10%
Mg 279.074	5487.5	4.77147	0.024788 mg/L	4.77147	0.024788 mg/L	0.52%
Mn 257.610	31704.7	0.466189	0.0017749 mg/L	0.466189	0.0017749 mg/L	0.38%
Mo 202.031	288.7	0.459696	0.0092166 mg/L	0.459696	0.0092166 mg/L	2.00%
Na 589.594	68149.4	4.75605	0.049298 mg/L	4.75605	0.049298 mg/L	1.04%
Ni 231.603	818.1	0.471878	0.0066691 mg/L	0.471878	0.0066691 mg/L	1.41%
Pb 220.353	115.5	0.463473	0.0145611 mg/L	0.463473	0.0145611 mg/L	3.14%
Sb 206.831	420.5	2.28077	0.019046 mg/L	2.28077	0.019046 mg/L	0.84%
Se 196.026	363.5	2.35075	0.015150 mg/L	2.35075	0.015150 mg/L	0.64%
Si 251.611	4664.3	-0.610946	0.1304766 mg/L	-0.610946	0.1304766 mg/L	21.36%
Sn 189.933	113.2	1.25066	0.004126 mg/L	1.25066	0.004126 mg/L	0.33%
Sr 407.771	608355.7	0.471068	0.0048841 mg/L	0.471068	0.0048841 mg/L	1.04%
Ti 334.941	36304.0	0.409822	0.0004161 mg/L	0.409822	0.0004161 mg/L	0.10%
Tl 190.800	368.0	2.33267	0.061427 mg/L	2.33267	0.061427 mg/L	2.63%
V 292.402	6187.3	0.461544	0.0023215 mg/L	0.461544	0.0023215 mg/L	0.50%
Zn 206.200	957.8	0.471453	0.0004002 mg/L	0.471453	0.0004002 mg/L	0.08%

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

ID: AC3 Date: 1/21/10 2:02:36 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	410426.0	410426.0	105.2	mg/L		
1	Y 360.064	249859.5	249859.5	105.6	mg/L		
1	Ag 328.068	11007.1	10458.9	0.452437	mg/L	0.452437	mg/L
1	Al 396.140	17022.8	16174.9	2.33079	mg/L	2.33079	mg/L
1	As 188.979	391.8	372.3	2.32416	mg/L	2.32416	mg/L
1	B 249.773	4605.6	4376.2	0.459915	mg/L	0.459915	mg/L
1	Ba 455.403	293781.5	279148.3	0.474950	mg/L	0.474950	mg/L
1	Be 234.861	4127.8	3922.2	0.0475868	mg/L	0.0475868	mg/L
1	Ca 315.887	48891.5	46456.3	5.06616	mg/L	5.06616	mg/L
1	Cd 214.438	3048.3	2896.5	0.475973	mg/L	0.475973	mg/L
1	Ce 413.765	-214.9	-204.2	-0.0104009	mg/L	-0.0104009	mg/L
1	Co 228.616	1496.3	1421.8	0.478735	mg/L	0.478735	mg/L
1	Cr 205.560	578.5	549.6	0.489262	mg/L	0.489262	mg/L
1	Cu 327.394	6606.5	6277.4	0.472947	mg/L	0.472947	mg/L
1	Fe 238.204	4322.0	4106.8	0.488061	mg/L	0.488061	mg/L
1	K 766.514	17312.7	16450.4	4.73013	mg/L	4.73013	mg/L
1	Li 670.781	74869.1	71139.9	0.480278	mg/L	0.480278	mg/L
1	Mg 279.074	5956.6	5659.9	4.92217	mg/L	4.92217	mg/L
1	Mn 257.610	34263.5	32556.8	0.478705	mg/L	0.478705	mg/L
1	Mo 202.031	317.6	301.8	0.480794	mg/L	0.480794	mg/L
1	Na 589.594	73704.9	70033.7	4.89371	mg/L	4.89371	mg/L
1	Ni 231.603	897.2	852.5	0.493557	mg/L	0.493557	mg/L
1	Pb 220.353	141.5	134.5	0.540849	mg/L	0.540849	mg/L
1	Sb 206.831	458.0	435.2	2.36162	mg/L	2.36162	mg/L
1	Se 196.026	381.1	362.1	2.33906	mg/L	2.33906	mg/L
1	Si 251.611	5021.0	4770.9	-0.590165	mg/L	-0.590165	mg/L
1	Sn 189.933	112.3	106.7	1.18112	mg/L	1.18112	mg/L
1	Sr 407.771	658532.9	625731.4	0.484599	mg/L	0.484599	mg/L
1	Ti 334.941	38209.4	36306.2	0.409847	mg/L	0.409847	mg/L
1	Tl 190.800	401.6	381.6	2.42250	mg/L	2.42250	mg/L
1	V 292.402	6770.7	6433.4	0.479097	mg/L	0.479097	mg/L
1	Zn 206.200	1023.6	972.6	0.478754	mg/L	0.478754	mg/L
2	Sc 357.253	412095.1	412095.1	105.7	mg/L		
2	Y 360.064	251214.7	251214.7	106.2	mg/L		
2	Ag 328.068	10880.8	10297.0	0.445423	mg/L	0.445423	mg/L
2	Al 396.140	16811.5	15909.4	2.29203	mg/L	2.29203	mg/L
2	As 188.979	399.0	377.6	2.35753	mg/L	2.35753	mg/L

2 B 249.773	4573.9	4328.5	0.454743 mg/L	0.454743 mg/L
2 Ba 455.403	291516.5	275874.2	0.469185 mg/L	0.469185 mg/L
2 Be 234.861	4126.8	3905.3	0.0473769 mg/L	0.0473769 mg/L
2 Ca 315.887	48682.6	46070.3	5.02409 mg/L	5.02409 mg/L
2 Cd 214.438	3068.7	2904.0	0.477235 mg/L	0.477235 mg/L
2 Ce 413.765	-144.6	-136.8	0.0007270 mg/L	0.0007270 mg/L
2 Co 228.616	1455.3	1377.2	0.463786 mg/L	0.463786 mg/L
2 Cr 205.560	568.5	538.0	0.477923 mg/L	0.477923 mg/L
2 Cu 327.394	6644.5	6288.0	0.473744 mg/L	0.473744 mg/L
2 Fe 238.204	4347.7	4114.4	0.488993 mg/L	0.488993 mg/L
2 K 766.514	17174.7	16253.2	4.66435 mg/L	4.66435 mg/L
2 Li 670.781	74257.3	70272.8	0.474372 mg/L	0.474372 mg/L
2 Mg 279.074	5901.6	5584.9	4.85660 mg/L	4.85660 mg/L
2 Mn 257.610	34110.2	32279.9	0.474637 mg/L	0.474637 mg/L
2 Mo 202.031	310.6	293.9	0.468078 mg/L	0.468078 mg/L
2 Na 589.594	72933.7	69020.2	4.81967 mg/L	4.81967 mg/L
2 Ni 231.603	877.6	830.5	0.479670 mg/L	0.479670 mg/L
2 Pb 220.353	130.1	123.1	0.494606 mg/L	0.494606 mg/L
2 Sb 206.831	462.1	437.3	2.37336 mg/L	2.37336 mg/L
2 Se 196.026	375.5	355.3	2.28404 mg/L	2.28404 mg/L
2 Si 251.611	4191.1	3966.2	-0.747048 mg/L	-0.747048 mg/L
2 Sn 189.933	110.6	104.7	1.15914 mg/L	1.15914 mg/L
2 Sr 407.771	653007.4	617968.0	0.478553 mg/L	0.478553 mg/L
2 Ti 334.941	37769.4	35742.8	0.403137 mg/L	0.403137 mg/L
2 Tl 190.800	418.2	395.7	2.51620 mg/L	2.51620 mg/L
2 V 292.402	6735.6	6374.2	0.474871 mg/L	0.474871 mg/L
2 Zn 206.200	1021.1	966.3	0.475621 mg/L	0.475621 mg/L

Mean Data

ID: AC3 Seq. No.: 15 Sample No.: 13 A/S Pos: 62
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 1/21/10 2:02:36 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	411260.6	105.5	0.30	mg/L				0.29%
Y 360.064	250537.1	105.9	0.40	mg/L				0.38%
Ag 328.068	10377.9	0.448930	0.0049598	mg/L	0.448930	0.0049598	mg/L	1.10%
Al 396.140	16042.2	2.31141	0.027401	mg/L	2.31141	0.027401	mg/L	1.19%
As 188.979	374.9	2.34084	0.023590	mg/L	2.34084	0.023590	mg/L	1.01%
B 249.773	4352.3	0.457329	0.0036577	mg/L	0.457329	0.0036577	mg/L	0.80%
Ba 455.403	277511.2	0.472068	0.0040767	mg/L	0.472068	0.0040767	mg/L	0.86%
Be 234.861	3913.8	0.0474819	0.00014842	mg/L	0.0474819	0.00014842	mg/L	0.31%
Ca 315.887	46263.3	5.04513	0.029742	mg/L	5.04513	0.029742	mg/L	0.59%
Cd 214.438	2900.3	0.476604	0.0008927	mg/L	0.476604	0.0008927	mg/L	0.19%
Ce 413.765	-170.5	-0.0048370	0.00786863	mg/L	-0.0048370	0.00786863	mg/L	162.68%
Co 228.616	1399.5	0.471260	0.0105704	mg/L	0.471260	0.0105704	mg/L	2.24%
Cr 205.560	543.8	0.483592	0.0080180	mg/L	0.483592	0.0080180	mg/L	1.66%
Cu 327.394	6282.7	0.473345	0.0005636	mg/L	0.473345	0.0005636	mg/L	0.12%
Fe 238.204	4110.6	0.488527	0.0006593	mg/L	0.488527	0.0006593	mg/L	0.13%
K 766.514	16351.8	4.69724	0.046509	mg/L	4.69724	0.046509	mg/L	0.99%
Li 670.781	70706.3	0.477325	0.0041762	mg/L	0.477325	0.0041762	mg/L	0.87%
Mg 279.074	5622.4	4.88938	0.046366	mg/L	4.88938	0.046366	mg/L	0.95%
Mn 257.610	32418.3	0.476671	0.0028766	mg/L	0.476671	0.0028766	mg/L	0.60%
Mo 202.031	297.8	0.474436	0.0089915	mg/L	0.474436	0.0089915	mg/L	1.90%
Na 589.594	69526.9	4.85669	0.052352	mg/L	4.85669	0.052352	mg/L	1.08%
Ni 231.603	841.5	0.486613	0.0098199	mg/L	0.486613	0.0098199	mg/L	2.02%
Pb 220.353	128.8	0.517728	0.0326990	mg/L	0.517728	0.0326990	mg/L	6.32%
Sb 206.831	436.3	2.36749	0.008305	mg/L	2.36749	0.008305	mg/L	0.35%
Se 196.026	358.7	2.31155	0.038907	mg/L	2.31155	0.038907	mg/L	1.68%
Si 251.611	4368.6	-0.668606	0.1109329	mg/L	-0.668606	0.1109329	mg/L	16.59%
Sn 189.933	105.7	1.17013	0.015544	mg/L	1.17013	0.015544	mg/L	1.33%
Sr 407.771	621849.7	0.481576	0.0042749	mg/L	0.481576	0.0042749	mg/L	0.89%
Ti 334.941	36024.5	0.406492	0.0047447	mg/L	0.406492	0.0047447	mg/L	1.17%
Tl 190.800	388.7	2.46935	0.066258	mg/L	2.46935	0.066258	mg/L	2.68%
V 292.402	6403.8	0.476984	0.0029885	mg/L	0.476984	0.0029885	mg/L	0.63%
Zn 206.200	969.4	0.477187	0.0022156	mg/L	0.477187	0.0022156	mg/L	0.46%

Replicate Data

ID: AC4 Date: 1/21/10 2:05:59 PM

	Net	Corrected	Calib	Sample

Repl#	Element	Intensity	Intensity	Conc.	Units	Conc.	Units
1	Sc 357.253	406875.9	406875.9	104.3	mg/L		
1	Y 360.064	247642.0	247642.0	104.6	mg/L		
1	Ag 328.068	10939.0	10484.8	0.453563	mg/L	0.453563	mg/L
1	Al 396.140	16817.1	16118.9	2.32260	mg/L	2.32260	mg/L
1	As 188.979	395.1	378.7	2.36442	mg/L	2.36442	mg/L
1	B 249.773	4643.8	4451.0	0.468027	mg/L	0.468027	mg/L
1	Ba 455.403	292645.2	280494.7	0.477321	mg/L	0.477321	mg/L
1	Be 234.861	4080.6	3911.2	0.0474498	mg/L	0.0474498	mg/L
1	Ca 315.887	48465.0	46452.8	5.06579	mg/L	5.06579	mg/L
1	Cd 214.438	3036.1	2910.0	0.478238	mg/L	0.478238	mg/L
1	Ce 413.765	-63.3	-60.7	0.0133106	mg/L	0.0133106	mg/L
1	Co 228.616	1484.3	1422.7	0.479046	mg/L	0.479046	mg/L
1	Cr 205.560	573.9	550.1	0.489721	mg/L	0.489721	mg/L
1	Cu 327.394	6670.8	6393.8	0.481736	mg/L	0.481736	mg/L
1	Fe 238.204	4358.4	4177.5	0.496717	mg/L	0.496717	mg/L
1	K 766.514	17338.5	16618.6	4.78622	mg/L	4.78622	mg/L
1	Li 670.781	74874.0	71765.3	0.484538	mg/L	0.484538	mg/L
1	Mg 279.074	5815.3	5573.8	4.84690	mg/L	4.84690	mg/L
1	Mn 257.610	34036.2	32623.1	0.479678	mg/L	0.479678	mg/L
1	Mo 202.031	307.0	294.2	0.468612	mg/L	0.468612	mg/L
1	Na 589.594	73578.3	70523.4	4.92952	mg/L	4.92952	mg/L
1	Ni 231.603	885.3	848.5	0.491023	mg/L	0.491023	mg/L
1	Pb 220.353	134.9	129.3	0.519725	mg/L	0.519725	mg/L
1	Sb 206.831	432.5	414.5	2.24785	mg/L	2.24785	mg/L
1	Se 196.026	385.6	369.6	2.40030	mg/L	2.40030	mg/L
1	Si 251.611	5652.4	5417.7	-0.464043	mg/L	-0.464043	mg/L
1	Sn 189.933	163.5	156.7	1.71726	mg/L	1.71726	mg/L
1	Sr 407.771	655979.0	628743.2	0.486944	mg/L	0.486944	mg/L
1	Ti 334.941	40540.7	38857.4	0.440232	mg/L	0.440232	mg/L
1	Tl 190.800	402.3	385.6	2.44901	mg/L	2.44901	mg/L
1	V 292.402	6772.4	6491.2	0.483216	mg/L	0.483216	mg/L
1	Zn 206.200	1017.0	974.8	0.479820	mg/L	0.479820	mg/L
2	Sc 357.253	414509.6	414509.6	106.3	mg/L		
2	Y 360.064	252425.9	252425.9	106.7	mg/L		
2	Ag 328.068	10966.7	10317.8	0.446325	mg/L	0.446325	mg/L
2	Al 396.140	16976.2	15971.7	2.30113	mg/L	2.30113	mg/L
2	As 188.979	398.7	375.1	2.34197	mg/L	2.34197	mg/L
2	B 249.773	4721.8	4442.4	0.467099	mg/L	0.467099	mg/L
2	Ba 455.403	291529.9	274279.8	0.466377	mg/L	0.466377	mg/L
2	Be 234.861	4109.6	3866.5	0.0468933	mg/L	0.0468933	mg/L
2	Ca 315.887	48655.5	45776.5	4.99201	mg/L	4.99201	mg/L
2	Cd 214.438	3020.8	2842.0	0.466840	mg/L	0.466840	mg/L
2	Ce 413.765	-42.2	-39.7	0.0167738	mg/L	0.0167738	mg/L
2	Co 228.616	1490.2	1402.0	0.472108	mg/L	0.472108	mg/L
2	Cr 205.560	569.9	536.2	0.476108	mg/L	0.476108	mg/L
2	Cu 327.394	6635.4	6242.8	0.470333	mg/L	0.470333	mg/L
2	Fe 238.204	4350.3	4092.9	0.486359	mg/L	0.486359	mg/L
2	K 766.514	17194.3	16176.9	4.63891	mg/L	4.63891	mg/L
2	Li 670.781	74202.0	69811.4	0.471229	mg/L	0.471229	mg/L
2	Mg 279.074	5856.0	5509.5	4.79064	mg/L	4.79064	mg/L
2	Mn 257.610	34048.4	32033.7	0.471021	mg/L	0.471021	mg/L
2	Mo 202.031	304.7	286.6	0.456315	mg/L	0.456315	mg/L
2	Na 589.594	73231.2	68898.1	4.81077	mg/L	4.81077	mg/L
2	Ni 231.603	854.5	803.9	0.462924	mg/L	0.462924	mg/L
2	Pb 220.353	133.5	125.6	0.504756	mg/L	0.504756	mg/L
2	Sb 206.831	440.7	414.6	2.24840	mg/L	2.24840	mg/L
2	Se 196.026	374.9	352.8	2.26307	mg/L	2.26307	mg/L
2	Si 251.611	4769.7	4487.5	-0.645411	mg/L	-0.645411	mg/L
2	Sn 189.933	164.2	154.5	1.69316	mg/L	1.69316	mg/L
2	Sr 407.771	653124.3	614478.3	0.475836	mg/L	0.475836	mg/L
2	Ti 334.941	40568.5	38168.0	0.432022	mg/L	0.432022	mg/L
2	Tl 190.800	391.3	368.2	2.33392	mg/L	2.33392	mg/L
2	V 292.402	6721.8	6324.1	0.471295	mg/L	0.471295	mg/L
2	Zn 206.200	1008.2	948.5	0.466859	mg/L	0.466859	mg/L

Mean Data

ID: AC4 Seq. No.: 16 Sample No.: 14 A/S Pos: 63

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

Data: Original Date: 1/21/10 2:05:59 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	410692.8	105.3	1.38	mg/L				1.31%
Y 360.064	250033.9	105.7	1.43	mg/L				1.35%
Ag 328.068	10401.3	0.449944	0.0051186	mg/L	0.449944	0.0051186	mg/L	1.14%
Al 396.140	16045.3	2.31186	0.015186	mg/L	2.31186	0.015186	mg/L	0.66%
As 188.979	376.9	2.35319	0.015871	mg/L	2.35319	0.015871	mg/L	0.67%
B 249.773	4446.7	0.467563	0.0006563	mg/L	0.467563	0.0006563	mg/L	0.14%
Ba 455.403	277387.3	0.471849	0.0077385	mg/L	0.471849	0.0077385	mg/L	1.64%
Be 234.861	3888.8	0.0471716	0.00039348	mg/L	0.0471716	0.00039348	mg/L	0.83%
Ca 315.887	46114.6	5.02890	0.052175	mg/L	5.02890	0.052175	mg/L	1.04%
Cd 214.438	2876.0	0.472539	0.0080598	mg/L	0.472539	0.0080598	mg/L	1.71%
Ce 413.765	-50.2	0.0150422	0.00244886	mg/L	0.0150422	0.00244886	mg/L	16.28%
Co 228.616	1412.4	0.475577	0.0049055	mg/L	0.475577	0.0049055	mg/L	1.03%
Cr 205.560	543.1	0.482914	0.0096257	mg/L	0.482914	0.0096257	mg/L	1.99%
Cu 327.394	6318.3	0.476035	0.0080629	mg/L	0.476035	0.0080629	mg/L	1.69%
Fe 238.204	4135.2	0.491538	0.0073242	mg/L	0.491538	0.0073242	mg/L	1.49%
K 766.514	16397.7	4.71257	0.104161	mg/L	4.71257	0.104161	mg/L	2.21%
Li 670.781	70788.3	0.477884	0.0094109	mg/L	0.477884	0.0094109	mg/L	1.97%
Mg 279.074	5541.6	4.81877	0.039783	mg/L	4.81877	0.039783	mg/L	0.83%
Mn 257.610	32328.4	0.475349	0.0061213	mg/L	0.475349	0.0061213	mg/L	1.29%
Mo 202.031	290.4	0.462464	0.0086950	mg/L	0.462464	0.0086950	mg/L	1.88%
Na 589.594	69710.7	4.87015	0.083970	mg/L	4.87015	0.083970	mg/L	1.72%
Ni 231.603	826.2	0.476973	0.0198691	mg/L	0.476973	0.0198691	mg/L	4.17%
Pb 220.353	127.5	0.512240	0.0105845	mg/L	0.512240	0.0105845	mg/L	2.07%
Sb 206.831	414.6	2.24812	0.000390	mg/L	2.24812	0.000390	mg/L	0.02%
Se 196.026	361.2	2.33168	0.097034	mg/L	2.33168	0.097034	mg/L	4.16%
Si 251.611	4952.6	-0.554727	0.1282462	mg/L	-0.554727	0.1282462	mg/L	23.12%
Sn 189.933	155.6	1.70521	0.017043	mg/L	1.70521	0.017043	mg/L	1.00%
Sr 407.771	621610.8	0.481390	0.0078549	mg/L	0.481390	0.0078549	mg/L	1.63%
Ti 334.941	38512.7	0.436127	0.0058058	mg/L	0.436127	0.0058058	mg/L	1.33%
Tl 190.800	376.9	2.39146	0.081379	mg/L	2.39146	0.081379	mg/L	3.40%
V 292.402	6407.6	0.477255	0.0084289	mg/L	0.477255	0.0084289	mg/L	1.77%
Zn 206.200	961.7	0.473339	0.0091651	mg/L	0.473339	0.0091651	mg/L	1.94%

Replicate Data

ID: 0A21015-CCV Date: 1/21/10 2:09:21 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	395954.4	395954.4	101.5	mg/L		
1	Y 360.064	240351.1	240351.1	101.6	mg/L		
1	Ag 328.068	11885.0	11705.7	0.506458	mg/L		
1	Al 396.140	17851.3	17582.1	2.53617	mg/L		
1	As 188.979	417.9	411.6	2.57050	mg/L		
1	B 249.773	4931.1	4856.8	0.512045	mg/L		
1	Ba 455.403	300279.0	295750.2	0.504185	mg/L		
1	Be 234.861	4222.2	4158.5	0.0505277	mg/L		
1	Ca 315.887	46775.5	46070.0	5.02387	mg/L		
1	Cd 214.438	3094.7	3048.0	0.501387	mg/L		
1	Ce 413.765	-20.1	-19.8	0.0200616	mg/L		
1	Co 228.616	1513.1	1490.3	0.501718	mg/L		
1	Cr 205.560	566.8	558.3	0.497686	mg/L		
1	Cu 327.394	6849.2	6745.9	0.508311	mg/L		
1	Fe 238.204	4382.2	4316.1	0.513694	mg/L		
1	K 766.514	17560.2	17295.4	5.01194	mg/L		
1	Li 670.781	76446.7	75293.7	0.508571	mg/L		
1	Mg 279.074	5833.4	5745.4	4.99741	mg/L		
1	Mn 257.610	34833.7	34308.4	0.504432	mg/L		
1	Mo 202.031	320.1	315.2	0.502595	mg/L		
1	Na 589.594	73203.2	72099.2	5.04461	mg/L		
1	Ni 231.603	897.3	883.7	0.513221	mg/L		
1	Pb 220.353	123.8	121.9	0.489636	mg/L		
1	Sb 206.831	461.0	454.0	2.46512	mg/L		
1	Se 196.026	382.0	376.2	2.45409	mg/L		
1	Si 251.611	21783.1	21454.6	2.66275	mg/L		
1	Sn 189.933	229.2	225.7	2.45633	mg/L		
1	Sr 407.771	660674.4	650710.3	0.504051	mg/L		
1	Ti 334.941	44980.3	44302.0	0.505076	mg/L		
1	Tl 190.800	390.1	384.3	2.44033	mg/L		

1	V 292.402	6917.9	6813.6	0.506205 mg/L
1	Zn 206.200	1019.7	1004.4	0.494448 mg/L
2	Sc 357.253	396096.4	396096.4	101.6 mg/L
2	Y 360.064	240562.7	240562.7	101.7 mg/L
2	Ag 328.068	11836.2	11653.5	0.504197 mg/L
2	Al 396.140	17888.2	17612.1	2.54055 mg/L
2	As 188.979	419.3	412.8	2.57857 mg/L
2	B 249.773	4959.7	4883.2	0.514908 mg/L
2	Ba 455.403	302389.2	297721.9	0.507657 mg/L
2	Be 234.861	4237.2	4171.8	0.0506933 mg/L
2	Ca 315.887	46660.3	45940.1	5.00965 mg/L
2	Cd 214.438	3125.4	3077.1	0.506263 mg/L
2	Ce 413.765	-157.8	-155.4	-0.0023333 mg/L
2	Co 228.616	1534.0	1510.3	0.508437 mg/L
2	Cr 205.560	575.0	566.1	0.505332 mg/L
2	Cu 327.394	6821.9	6716.6	0.506100 mg/L
2	Fe 238.204	4317.2	4250.6	0.505669 mg/L
2	K 766.514	17744.0	17470.1	5.07022 mg/L
2	Li 670.781	76892.3	75705.5	0.511376 mg/L
2	Mg 279.074	5836.2	5746.1	4.99801 mg/L
2	Mn 257.610	34768.3	34231.6	0.503305 mg/L
2	Mo 202.031	324.9	319.9	0.510110 mg/L
2	Na 589.594	73714.5	72576.7	5.07949 mg/L
2	Ni 231.603	892.8	879.0	0.510249 mg/L
2	Pb 220.353	133.6	131.6	0.528999 mg/L
2	Sb 206.831	474.7	467.4	2.53872 mg/L
2	Se 196.026	397.9	391.8	2.58034 mg/L
2	Si 251.611	22993.1	22638.2	2.89352 mg/L
2	Sn 189.933	233.7	230.1	2.50316 mg/L
2	Sr 407.771	665842.4	655565.1	0.507831 mg/L
2	Ti 334.941	44716.2	44026.0	0.501790 mg/L
2	Tl 190.800	407.9	401.6	2.55500 mg/L
2	V 292.402	6935.5	6828.5	0.507269 mg/L
2	Zn 206.200	1040.0	1024.0	0.504146 mg/L

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

ID: 0A21015-CCV Seq. No.: 17 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: 1/21/10 2:09:21 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Sc 357.253	396025.4	101.5	0.03	mg/L				0.03%
Y 360.064	240456.9	101.6	0.06	mg/L				0.06%
Ag 328.068	11679.6	0.505328	0.0015987	mg/L				0.32%
Al 396.140	17597.1	2.53836	0.003097	mg/L				0.12%
As 188.979	412.2	2.57453	0.005706	mg/L				0.22%
B 249.773	4870.0	0.513477	0.0020244	mg/L				0.39%
Ba 455.403	296736.1	0.505921	0.0024549	mg/L				0.49%
Be 234.861	4165.2	0.0506105	0.00011707	mg/L				0.23%
Ca 315.887	46005.1	5.01676	0.010056	mg/L				0.20%
Cd 214.438	3062.6	0.503825	0.0034479	mg/L				0.68%
Ce 413.765	-87.6	0.0088641	0.01583561	mg/L				178.65%
Co 228.616	1500.3	0.505078	0.0047516	mg/L				0.94%
Cr 205.560	562.2	0.501509	0.0054066	mg/L				1.08%
Cu 327.394	6731.2	0.507206	0.0015630	mg/L				0.31%
Fe 238.204	4283.4	0.509682	0.0056748	mg/L				1.11%
K 766.514	17382.8	5.04108	0.041209	mg/L				0.82%
Li 670.781	75499.6	0.509973	0.0019831	mg/L				0.39%
Mg 279.074	5745.8	4.99771	0.000427	mg/L				0.01%
Mn 257.610	34270.0	0.503868	0.0007967	mg/L				0.16%
Mo 202.031	317.5	0.506353	0.0053135	mg/L				1.05%
Na 589.594	72338.0	5.06205	0.024668	mg/L				0.49%
Ni 231.603	881.4	0.511735	0.0021019	mg/L				0.41%
Pb 220.353	126.7	0.509318	0.0278342	mg/L				5.46%
Sb 206.831	460.7	2.50192	0.052040	mg/L				2.08%
Se 196.026	384.0	2.51722	0.089270	mg/L				3.55%
Si 251.611	22046.4	2.77814	0.163178	mg/L				5.87%
*QC exceeds upper limit for Si 251.611		Recovery = 111.13%		Action = Continue				
Sn 189.933	227.9	2.47975	0.033107	mg/L				1.34%
Sr 407.771	653137.7	0.505941	0.0026733	mg/L				0.53%

Ti 334.941	44164.0	0.503433	0.0023237	mg/L	0.46%
Tl 190.800	392.9	2.49767	0.081082	mg/L	3.25%
V 292.402	6821.0	0.506737	0.0007522	mg/L	0.15%
Zn 206.200	1014.2	0.499297	0.0068581	mg/L	1.37%

Replicate Data

ID: 0A21015-CCB Date: 1/21/10 2:12:37 PM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	393095.3	393095.3	100.8	mg/L		
1	Y 360.064	238814.6	238814.6	100.9	mg/L		
1	Ag 328.068	-81.6	-81.0	-0.0042059	mg/L		
1	Al 396.140	33.8	33.5	-0.0251763	mg/L		
1	As 188.979	11.1	11.0	0.0582662	mg/L		
1	B 249.773	202.7	201.1	0.0070538	mg/L		
1	Ba 455.403	8633.5	8565.2	-0.0015203	mg/L		
1	Be 234.861	96.5	95.8	-0.0000328	mg/L		
1	Ca 315.887	-299.8	-297.5	-0.0360522	mg/L		
1	Cd 214.438	48.8	48.4	-0.0016880	mg/L		
1	Ce 413.765	-151.3	-150.1	-0.0014573	mg/L		
1	Co 228.616	-11.8	-11.7	-0.0021888	mg/L		
1	Cr 205.560	49.0	48.6	0.0005107	mg/L		
1	Cu 327.394	-9.7	-9.6	-0.0016567	mg/L		
1	Fe 238.204	115.9	115.0	-0.0006759	mg/L		
1	K 766.514	2270.2	2252.2	-0.0054335	mg/L		
1	Li 670.781	454.7	451.1	-0.0012038	mg/L		
1	Mg 279.074	-18.9	-18.8	-0.0436990	mg/L		
1	Mn 257.610	-205.2	-203.6	-0.0024854	mg/L		
1	Mo 202.031	5.3	5.3	0.0007222	mg/L		
1	Na 589.594	2631.6	2610.8	-0.0325673	mg/L		
1	Ni 231.603	72.3	71.7	0.0015498	mg/L		
1	Pb 220.353	6.4	6.3	0.0193391	mg/L		
1	Sb 206.831	2.0	2.0	-0.0243220	mg/L		
1	Se 196.026	79.7	79.0	0.0360936	mg/L		
1	Si 251.611	5460.3	5417.0	-0.464181	mg/L		
1	Sn 189.933	-2.7	-2.7	0.0086583	mg/L		
1	Sr 407.771	929.0	921.6	-0.0019598	mg/L		
1	Ti 334.941	1778.0	1763.9	-0.0015443	mg/L		
1	Tl 190.800	14.1	14.0	-0.0078621	mg/L		
1	V 292.402	-294.5	-292.2	-0.0005363	mg/L		
1	Zn 206.200	-3.8	-3.8	-0.0039334	mg/L		
2	Sc 357.253	392659.8	392659.8	100.7	mg/L		
2	Y 360.064	238178.0	238178.0	100.6	mg/L		
2	Ag 328.068	-52.1	-51.8	-0.0029407	mg/L		
2	Al 396.140	165.5	164.3	-0.0060856	mg/L		
2	As 188.979	12.2	12.1	0.0652366	mg/L		
2	B 249.773	205.1	203.7	0.0073392	mg/L		
2	Ba 455.403	8647.9	8589.0	-0.0014784	mg/L		
2	Be 234.861	89.5	88.9	-0.0001181	mg/L		
2	Ca 315.887	-354.6	-352.2	-0.0420263	mg/L		
2	Cd 214.438	51.0	50.6	-0.0013230	mg/L		
2	Ce 413.765	-116.9	-116.1	0.0041608	mg/L		
2	Co 228.616	-6.2	-6.2	-0.0003459	mg/L		
2	Cr 205.560	51.7	51.4	0.0031982	mg/L		
2	Cu 327.394	-60.2	-59.8	-0.0054477	mg/L		
2	Fe 238.204	112.3	111.5	-0.0011005	mg/L		
2	K 766.514	2168.7	2153.9	-0.0382196	mg/L		
2	Li 670.781	324.9	322.6	-0.0020790	mg/L		
2	Mg 279.074	-24.4	-24.3	-0.0484750	mg/L		
2	Mn 257.610	-203.8	-202.4	-0.0024679	mg/L		
2	Mo 202.031	3.4	3.4	-0.0023450	mg/L		
2	Na 589.594	2868.4	2848.8	-0.0151725	mg/L		
2	Ni 231.603	70.5	70.0	0.0004857	mg/L		
2	Pb 220.353	-12.1	-12.0	-0.0551212	mg/L		
2	Sb 206.831	16.9	16.8	0.0573638	mg/L		
2	Se 196.026	77.6	77.1	0.0202679	mg/L		
2	Si 251.611	4503.6	4472.9	-0.648263	mg/L		
2	Sn 189.933	-2.3	-2.3	0.0126363	mg/L		
2	Sr 407.771	1023.3	1016.3	-0.0018861	mg/L		

2 Ti 334.941	1779.3	1767.1	-0.0015058	mg/L
2 Tl 190.800	17.0	16.9	0.0109047	mg/L
2 V 292.402	-324.1	-321.9	-0.0026534	mg/L
2 Zn 206.200	0.3	0.3	-0.0019230	mg/L

Mean Data

ID: 0A21015-CCB Seq. No.: 18 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: 1/21/10 2:12:37 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	392877.6	100.7	0.08	mg/L				0.08%
Y 360.064	238496.3	100.8	0.19	mg/L				0.19%
Ag 328.068	-66.4	-0.0035733	0.00089465	mg/L				25.04%
Al 396.140	98.9	-0.0156310	0.01349915	mg/L				86.36%
As 188.979	11.5	0.0617514	0.00492881	mg/L				7.98%
B 249.773	202.4	0.0071965	0.00020175	mg/L				2.80%
Ba 455.403	8577.1	-0.0014993	0.00002962	mg/L				1.98%
Be 234.861	92.4	-0.0000754	0.00006028	mg/L				79.89%
Ca 315.887	-324.8	-0.0390392	0.00422432	mg/L				10.82%
Cd 214.438	49.5	-0.0015055	0.00025810	mg/L				17.14%
Ce 413.765	-133.1	0.0013518	0.00397256	mg/L				293.88%
Co 228.616	-8.9	-0.0012674	0.00130312	mg/L				102.82%
Cr 205.560	50.0	0.0018545	0.00190036	mg/L				102.48%
Cu 327.394	-34.7	-0.0035522	0.00268060	mg/L				75.46%
Fe 238.204	113.2	-0.0008882	0.00030022	mg/L				33.80%
K 766.514	2203.0	-0.0218266	0.02318327	mg/L				106.22%
Li 670.781	386.9	-0.0016414	0.00061883	mg/L				37.70%
Mg 279.074	-21.5	-0.0460870	0.00337711	mg/L				7.33%
Mn 257.610	-203.0	-0.0024767	0.00001242	mg/L				0.50%
Mo 202.031	4.3	-0.0008114	0.00216883	mg/L				267.28%
Na 589.594	2729.8	-0.0238699	0.01229998	mg/L				51.53%
Ni 231.603	70.8	0.0010178	0.00075245	mg/L				73.93%
Pb 220.353	-2.8	-0.0178911	0.05265143	mg/L				294.29%
Sb 206.831	9.4	0.0165209	0.05776055	mg/L				349.62%
Se 196.026	78.1	0.0281807	0.01119047	mg/L				39.71%
Si 251.611	4945.0	-0.556222	0.1301658	mg/L				23.40%
*QC exceeds lower limit for Si 251.611			Action = Continue					
Sn 189.933	-2.5	0.0106473	0.00281286	mg/L				26.42%
Sr 407.771	969.0	-0.0019230	0.00005216	mg/L				2.71%
Ti 334.941	1765.5	-0.0015251	0.00002720	mg/L				1.78%
Tl 190.800	15.4	0.0015213	0.01327013	mg/L				872.27%
V 292.402	-307.0	-0.0015948	0.00149701	mg/L				93.87%
Zn 206.200	-1.7	-0.0029282	0.00142161	mg/L				48.55%

TriMatrix Laboratories, Inc.

SulTRAC

Project: Plainwell Mill

SDG: PM011110

USEPA-6020A

00346

SAMPLE ID SUMMARY

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110

Client: SulTRAC

Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-VAS-56394-DR-011110-1001	1001142-01
S-SO-56394-CB-011110-003	1001142-02
S-SS-56394-EV-011210-011	1001142-03
S-SO-56394-CB-011210-015	1001142-04
S-SS-56394-EV-011310-021	1001177-01
S-SO-56394-CB-011410-033	1001177-02
SD-SO-56394-CB-011410-033	1001177-03
S-SO-56394-CB-011410-046	1001177-04
S-SO-56394-CB-011410-041	1001177-05
S-VAS-56394-DR-011410-1013	1001177-06
S-VAS-56394-DR-011410-1013	1001177-07
SD-VAS-56394-DR-011310-1008	1001177-08
SD-VAS-56394-DR-011310-1008	1001177-09
S-VAS-56394-DR-011310-1008	1001177-10
S-VAS-56394-DR-011310-1008	1001177-11
S-SO-56394-DR-011310-1011	1001177-12
S-SO-56394-CB-011310-028	1001177-13
S-SO-56394-CB-011410-040	1001177-14
S-SO-56394-CB-011310-026	1001177-15

00347

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-VAS-56394-DR-011110-1001

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 01/11/10 16:45
Solids: 0.00
Laboratory ID: 1001142-01

SDG: PM011110
Project: Plainwell Mill
Preparation: 3020A Digestion
Prepared: 01/18/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1000385

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	1.0	ug/L	1	1.0	0.40	U	01/21/10 14:41
7440-38-2	Arsenic, Total	2.3	ug/L	1	1.0	0.39		01/21/10 14:41
7440-41-7	Beryllium, Total	1.0	ug/L	1	1.0	0.31	U	01/21/10 19:07
7440-43-9	Cadmium, Total	0.20	ug/L	1	0.20	0.060	U	01/21/10 14:41
7440-47-3	Chromium, Total	1.3	ug/L	1	5.0	0.34	J	01/21/10 14:41
7440-48-4	Cobalt, Total	0.73	ug/L	1	1.0	0.036	J	01/21/10 14:41
7440-50-8	Copper, Total	5.2	ug/L	1	2.0	0.26		01/21/10 14:41
7439-92-1	Lead, Total	1.0	ug/L	1	1.0	0.26	U	01/21/10 14:41
7782-49-2	Selenium, Total	0.55	ug/L	1	2.0	0.40	J	01/21/10 14:41
7440-22-4	Silver, Total	0.12	ug/L	1	0.20	0.053	J	01/21/10 14:41
7440-28-0	Thallium, Total	1.0	ug/L	1	1.0	0.050	U	01/21/10 14:41
7440-62-2	Vanadium, Total	0.47	ug/L	1	1.0	0.30	J	01/21/10 14:41
7440-66-6	Zinc, Total	37	ug/L	1	50	2.0	J	01/21/10 14:41

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-VAS-56394-DR-011110-1001

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 01/11/10 16:45
Solids: 0.00
Laboratory ID: 1001142-01

SDG: PM011110
Project: Plainwell Mill
Preparation: General Metals Prep
Prepared: 01/18/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1000386

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Dissolved	1.0	ug/L	1	1.0	0.40	U	01/21/10 15:55
7440-38-2	Arsenic, Dissolved	2.1	ug/L	1	1.0	0.39		01/21/10 15:55
7440-41-7	Beryllium, Dissolved	1.0	ug/L	1	1.0	0.31	U	01/21/10 19:32
7440-43-9	Cadmium, Dissolved	0.20	ug/L	1	0.20	0.060	U	01/21/10 15:55
7440-47-3	Chromium, Dissolved	0.97	ug/L	1	5.0	0.34	J	01/21/10 15:55
7440-48-4	Cobalt, Dissolved	0.65	ug/L	1	1.0	0.036	J	01/21/10 15:55
7440-50-8	Copper, Dissolved	0.91	ug/L	1	2.0	0.26	J	01/21/10 15:55
7439-92-1	Lead, Dissolved	1.0	ug/L	1	1.0	0.26	U	01/21/10 15:55
7782-49-2	Selenium, Dissolved	2.0	ug/L	1	2.0	0.40	U	01/21/10 15:55
7440-22-4	Silver, Dissolved	0.11	ug/L	1	0.20	0.053	J	01/21/10 15:55
7440-28-0	Thallium, Dissolved	1.0	ug/L	1	1.0	0.050	U	01/21/10 15:55
7440-62-2	Vanadium, Dissolved	0.42	ug/L	1	1.0	0.30	J	01/21/10 15:55
7440-66-6	Zinc, Dissolved	30	ug/L	1	50	2.0	J	01/21/10 19:32

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011110-003

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/11/10 15:35
Solids: 86.34
Laboratory ID: 1001142-02

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 07:00
Initial/Final: 0.5037 g / 250 mL
QC Batch: 1000390

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	25	mg/kg dry wt.	1	0.10	0.030		01/25/10 11:27
7440-41-7	Beryllium, Total	0.71	mg/kg dry wt.	1	0.10	0.031		01/25/10 11:27
7440-43-9	Cadmium, Total	0.35	mg/kg dry wt.	1	0.050	0.0053		01/25/10 11:27
7440-47-3	Chromium, Total	13	mg/kg dry wt.	1	0.20	0.045		01/25/10 11:27
7440-48-4	Cobalt, Total	4.3	mg/kg dry wt.	1	0.10	0.017		01/25/10 11:27
7440-50-8	Copper, Total	28	mg/kg dry wt.	1	0.10	0.043		01/25/10 11:27
7439-92-1	Lead, Total	62	mg/kg dry wt.	2	0.20	0.099		01/25/10 13:37
7782-49-2	Selenium, Total	0.58	mg/kg dry wt.	1	0.20	0.049		01/25/10 11:27
7440-22-4	Silver, Total	0.10	mg/kg dry wt.	1	0.050	0.011		01/25/10 11:27
7440-28-0	Thallium, Total	0.43	mg/kg dry wt.	1	0.050	0.0061		01/25/10 11:27
7440-62-2	Vanadium, Total	18	mg/kg dry wt.	1	0.10	0.032		01/25/10 11:27
7440-66-6	Zinc, Total	85	mg/kg dry wt.	2	2.0	0.93		01/25/10 13:37

00350

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011110-003

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/11/10 15:35
Solids: 86.34
Laboratory ID: 1001142-02

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 10:15
Initial/Final: 0.5235 g / 250 mL
QC Batch: 1000411

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	1.3	mg/kg dry wt.	1	0.10	0.037		01/20/10 11:21

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SS-56394-EV-011210-011

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/12/10 11:20
Solids: 84.77
Laboratory ID: 1001142-03

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 07:00
Initial/Final: 0.5003 g / 250 mL
QC Batch: 1000390

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	7.8	mg/kg dry wt.	1	0.10	0.030		01/25/10 11:31
7440-41-7	Beryllium, Total	0.39	mg/kg dry wt.	1	0.10	0.031		01/25/10 11:31
7440-43-9	Cadmium, Total	0.32	mg/kg dry wt.	1	0.050	0.0053		01/25/10 11:31
7440-47-3	Chromium, Total	11	mg/kg dry wt.	1	0.20	0.045		01/25/10 11:31
7440-48-4	Cobalt, Total	6.0	mg/kg dry wt.	1	0.10	0.017		01/25/10 11:31
7440-50-8	Copper, Total	10	mg/kg dry wt.	1	0.10	0.043		01/25/10 11:31
7439-92-1	Lead, Total	45	mg/kg dry wt.	1	0.10	0.049		01/25/10 11:31
7782-49-2	Selenium, Total	0.24	mg/kg dry wt.	1	0.20	0.049		01/25/10 11:31
7440-22-4	Silver, Total	0.16	mg/kg dry wt.	1	0.050	0.011		01/25/10 11:31
7440-28-0	Thallium, Total	0.12	mg/kg dry wt.	1	0.050	0.0061		01/25/10 11:31
7440-62-2	Vanadium, Total	17	mg/kg dry wt.	1	0.10	0.032		01/25/10 11:31
7440-66-6	Zinc, Total	85	mg/kg dry wt.	2	2.0	0.93		01/25/10 13:39

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SS-56394-EV-011210-011

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/12/10 11:20
Solids: 84.77
Laboratory ID: 1001142-03

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 10:15
Initial/Final: 0.5048 g / 250 mL
QC Batch: 1000411

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.34	mg/kg dry wt.	1	0.10	0.037		01/20/10 11:23

00353

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011210-015

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/12/10 16:00
Solids: 53.28
Laboratory ID: 1001142-04

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 07:00
Initial/Final: 0.5016 g / 250 mL
QC Batch: 1000390

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	12	mg/kg dry wt.	1	0.10	0.030		01/25/10 11:34
7440-41-7	Beryllium, Total	0.39	mg/kg dry wt.	1	0.10	0.031		01/25/10 11:34
7440-43-9	Cadmium, Total	0.34	mg/kg dry wt.	1	0.050	0.0053		01/25/10 11:34
7440-47-3	Chromium, Total	20	mg/kg dry wt.	1	0.20	0.045		01/25/10 11:34
7440-48-4	Cobalt, Total	5.6	mg/kg dry wt.	1	0.10	0.017		01/25/10 11:34
7440-50-8	Copper, Total	16	mg/kg dry wt.	1	0.10	0.043		01/25/10 11:34
7439-92-1	Lead, Total	56	mg/kg dry wt.	2	0.20	0.099		01/25/10 13:42
7782-49-2	Selenium, Total	0.89	mg/kg dry wt.	1	0.20	0.049		01/25/10 11:34
7440-22-4	Silver, Total	0.29	mg/kg dry wt.	1	0.050	0.011		01/25/10 11:34
7440-28-0	Thallium, Total	0.11	mg/kg dry wt.	1	0.050	0.0061		01/25/10 11:34
7440-62-2	Vanadium, Total	15	mg/kg dry wt.	1	0.10	0.032		01/25/10 11:34
7440-66-6	Zinc, Total	79	mg/kg dry wt.	2	2.0	0.93		01/25/10 13:42

9935H

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S- O-56394-CB-011210-015

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/12/10 16:00
Solids: 53.28
Laboratory ID: 1001142-04

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 10:15
Initial/Final: 0.501 g / 250 mL
QC Batch: 1000411

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.39	mg/kg dry wt.	1	0.10	0.037		01/20/10 11:25

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SS-56394-EV-011310-021

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 11:35
Solids: 91.44
Laboratory ID: 1001177-01

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 07:00
Initial/Final: 0.5029 g / 250 mL
QC Batch: 1000390

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	3.1	mg/kg dry wt.	1	0.10	0.030		01/25/10 11:38
7440-41-7	Beryllium, Total	0.20	mg/kg dry wt.	1	0.10	0.031		01/25/10 11:38
7440-43-9	Cadmium, Total	0.067	mg/kg dry wt.	1	0.050	0.0053		01/25/10 11:38
7440-47-3	Chromium, Total	5.7	mg/kg dry wt.	1	0.20	0.045		01/25/10 11:38
7440-48-4	Cobalt, Total	2.4	mg/kg dry wt.	1	0.10	0.017		01/25/10 11:38
7440-50-8	Copper, Total	3.1	mg/kg dry wt.	1	0.10	0.043		01/25/10 11:38
7439-92-1	Lead, Total	7.7	mg/kg dry wt.	1	0.10	0.049		01/25/10 11:38
7782-49-2	Selenium, Total	0.13	mg/kg dry wt.	1	0.20	0.049	J	01/25/10 11:38
7440-22-4	Silver, Total	0.014	mg/kg dry wt.	1	0.050	0.011	J	01/25/10 11:38
7440-28-0	Thallium, Total	0.057	mg/kg dry wt.	1	0.050	0.0061		01/25/10 11:38
7440-62-2	Vanadium, Total	8.2	mg/kg dry wt.	1	0.10	0.032		01/25/10 11:38
7440-66-6	Zinc, Total	20	mg/kg dry wt.	1	1.0	0.44		01/25/10 11:38

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SS-56394-EV-011310-021

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 11:35
Solids: 91.44
Laboratory ID: 1001177-01

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 10:15
Initial/Final: 0.5058 g / 250 mL
QC Batch: 1000411

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.11	mg/kg dry wt.	1	0.10	0.037		01/20/10 11:27

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011410-033

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 09:05
Solids: 92.58
Laboratory ID: 1001177-02

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 07:00
Initial/Final: 0.508 g / 250 mL
QC Batch: 1000390

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	4.3	mg/kg dry wt.	1	0.10	0.030		01/25/10 11:41
7440-41-7	Beryllium, Total	0.26	mg/kg dry wt.	1	0.10	0.031		01/25/10 11:41
7440-43-9	Cadmium, Total	0.089	mg/kg dry wt.	1	0.050	0.0053		01/25/10 11:41
7440-47-3	Chromium, Total	8.3	mg/kg dry wt.	1	0.20	0.045		01/25/10 11:41
7440-48-4	Cobalt, Total	3.5	mg/kg dry wt.	1	0.10	0.017		01/25/10 11:41
7440-50-8	Copper, Total	6.4	mg/kg dry wt.	1	0.10	0.043		01/25/10 11:41
7439-92-1	Lead, Total	7.5	mg/kg dry wt.	1	0.10	0.049		01/25/10 11:41
7782-49-2	Selenium, Total	0.070	mg/kg dry wt.	1	0.20	0.049	J	01/25/10 11:41
7440-22-4	Silver, Total	0.022	mg/kg dry wt.	1	0.050	0.011	J	01/25/10 11:41
7440-28-0	Thallium, Total	0.072	mg/kg dry wt.	1	0.050	0.0061		01/25/10 11:41
7440-62-2	Vanadium, Total	12	mg/kg dry wt.	1	0.10	0.032		01/25/10 11:41
7440-66-6	Zinc, Total	26	mg/kg dry wt.	1	1.0	0.44		01/25/10 11:41

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011410-033

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 09:05
Solids: 92.58
Laboratory ID: 1001177-02

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 10:15
Initial/Final: 0.5081 g / 250 mL
QC Batch: 1000411

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	0.037		01/20/10 11:30

00359

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

SD-SO-56394-CB-011410-033

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 09:07
Solids: 92.64
Laboratory ID: 1001177-03

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 07:00
Initial/Final: 0.5017 g / 250 mL
QC Batch: 1000390

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	4.4	mg/kg dry wt.	1	0.10	0.030		01/25/10 11:45
7440-41-7	Beryllium, Total	0.27	mg/kg dry wt.	1	0.10	0.031		01/25/10 11:45
7440-43-9	Cadmium, Total	0.089	mg/kg dry wt.	1	0.050	0.0053		01/25/10 11:45
7440-47-3	Chromium, Total	9.6	mg/kg dry wt.	1	0.20	0.045		01/25/10 11:45
7440-48-4	Cobalt, Total	4.2	mg/kg dry wt.	1	0.10	0.017		01/25/10 11:45
7440-50-8	Copper, Total	7.1	mg/kg dry wt.	1	0.10	0.043		01/25/10 11:45
7439-92-1	Lead, Total	8.7	mg/kg dry wt.	1	0.10	0.049		01/25/10 11:45
7782-49-2	Selenium, Total	0.064	mg/kg dry wt.	1	0.20	0.049	J	01/25/10 11:45
7440-22-4	Silver, Total	0.024	mg/kg dry wt.	1	0.050	0.011	J	01/25/10 11:45
7440-28-0	Thallium, Total	0.082	mg/kg dry wt.	1	0.050	0.0061		01/25/10 11:45
7440-62-2	Vanadium, Total	14	mg/kg dry wt.	1	0.10	0.032		01/25/10 11:45
7440-66-6	Zinc, Total	29	mg/kg dry wt.	1	1.0	0.44		01/25/10 11:45

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

SD-SO-[illegible]6394-CB-011410-033

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 09:07
Solids: 92.64
Laboratory ID: 1001177-03

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 10:15
Initial/Final: 0.5091 g / 250 m
QC Batch: 1000411

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.20	mg/kg dry wt.	1	0.10	0.037	[illegible]	01/20/10 11:32

00361

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011410-046

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 12:25
Solids: 95.49
Laboratory ID: 1001177-04

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 07:00
Initial/Final: 0.5019 g / 250 mL
QC Batch: 1000390

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	3.4	mg/kg dry wt.	1	0.10	0.030		01/25/10 11:48
7440-41-7	Beryllium, Total	0.11	mg/kg dry wt.	1	0.10	0.031		01/25/10 11:48
7440-43-9	Cadmium, Total	0.055	mg/kg dry wt.	1	0.050	0.0053		01/25/10 11:48
7440-47-3	Chromium, Total	6.9	mg/kg dry wt.	1	0.20	0.045		01/25/10 11:48
7440-48-4	Cobalt, Total	3.4	mg/kg dry wt.	1	0.10	0.017		01/25/10 11:48
7440-50-8	Copper, Total	6.4	mg/kg dry wt.	1	0.10	0.043		01/25/10 11:48
7439-92-1	Lead, Total	3.3	mg/kg dry wt.	1	0.10	0.049		01/25/10 11:48
7782-49-2	Selenium, Total	0.096	mg/kg dry wt.	1	0.20	0.049	J	01/25/10 11:48
7440-22-4	Silver, Total	0.023	mg/kg dry wt.	1	0.050	0.011	J	01/25/10 11:48
7440-28-0	Thallium, Total	0.081	mg/kg dry wt.	1	0.050	0.0061		01/25/10 11:48
7440-62-2	Vanadium, Total	9.0	mg/kg dry wt.	1	0.10	0.032		01/25/10 11:48
7440-66-6	Zinc, Total	16	mg/kg dry wt.	1	1.0	0.44		01/25/10 11:48

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011410-046

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 12:25
Solids: 95.49
Laboratory ID: 1001177-04

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 10:15
Initial/Final: 0.504 g / 250 mL
QC Batch: 1000411

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.15	mg/kg dry wt.	1	0.10	0.037		01/20/10 11:34

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 11:20
Solids: 91.25
Laboratory ID: 1001177-05

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 07:00
Initial/Final: 0.5022 g / 250 mL
QC Batch: 1000390

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	7.8	mg/kg dry wt.	1	0.10	0.030		01/25/10 11:51
7440-41-7	Beryllium, Total	0.67	mg/kg dry wt.	1	0.10	0.031		01/25/10 15:28
7440-43-9	Cadmium, Total	0.17	mg/kg dry wt.	1	0.050	0.0053		01/25/10 11:51
7440-47-3	Chromium, Total	8.7	mg/kg dry wt.	1	0.20	0.045		01/25/10 11:51
7440-48-4	Cobalt, Total	4.4	mg/kg dry wt.	1	0.10	0.017		01/25/10 11:51
7440-50-8	Copper, Total	23	mg/kg dry wt.	1	0.10	0.043		01/25/10 11:51
7439-92-1	Lead, Total	41	mg/kg dry wt.	2	0.20	0.099		01/25/10 13:44
7782-49-2	Selenium, Total	0.31	mg/kg dry wt.	1	0.20	0.049		01/25/10 11:51
7440-22-4	Silver, Total	0.051	mg/kg dry wt.	1	0.050	0.011		01/25/10 11:51
7440-28-0	Thallium, Total	0.13	mg/kg dry wt.	1	0.050	0.0061		01/25/10 11:51
7440-62-2	Vanadium, Total	12	mg/kg dry wt.	1	0.10	0.032		01/25/10 11:51
7440-66-6	Zinc, Total	47	mg/kg dry wt.	2	2.0	0.93		01/25/10 13:44

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 11:20
Solids: 91.25
Laboratory ID: 1001177-05

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 10:15
Initial/Final: 0.5073 g / 250 mL
QC Batch: 1000411

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.70	mg/kg dry wt.	1	0.10	0.037		01/20/10 11:36

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-VAS-56394-DR-011410-1013

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 01/14/10 08:45
Solids: 0.00
Laboratory ID: 1001177-06

SDG: PM011110
Project: Plainwell Mill
Preparation: 3020A Digestion
Prepared: 01/18/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1000385

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.55	ug/L	1	1.0	0.40	J	01/21/10 14:45
7440-38-2	Arsenic, Total	6.1	ug/L	1	1.0	0.39		01/21/10 14:45
7440-41-7	Beryllium, Total	1.0	ug/L	1	1.0	0.31	U	01/21/10 19:09
7440-43-9	Cadmium, Total	0.10	ug/L	1	0.20	0.060	J	01/21/10 14:45
7440-47-3	Chromium, Total	5.9	ug/L	1	5.0	0.34		01/21/10 14:45
7440-48-4	Cobalt, Total	2.3	ug/L	1	1.0	0.036		01/21/10 14:45
7440-50-8	Copper, Total	7.1	ug/L	1	2.0	0.26		01/21/10 14:45
7439-92-1	Lead, Total	4.7	ug/L	1	1.0	0.26		01/21/10 14:45
7782-49-2	Selenium, Total	2.0	ug/L	1	2.0	0.40	U	01/21/10 14:45
7440-22-4	Silver, Total	0.057	ug/L	1	0.20	0.053	J	01/21/10 14:45
7440-28-0	Thallium, Total	1.0	ug/L	1	1.0	0.050	U	01/21/10 14:45
7440-62-2	Vanadium, Total	4.9	ug/L	1	1.0	0.30		01/21/10 14:45
7440-66-6	Zinc, Total	18	ug/L	1	50	2.0	J	01/21/10 14:45

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-VAS-56394-DR-011410-1013

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 01/14/10 08:45
Solids: 0.00
Laboratory ID: 1001177-07

SDG: PM011110
Project: Plainwell Mill
Preparation: General Metals Prep
Prepared: 01/18/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1000386

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Dissolved	0.43	ug/L	1	1.0	0.40	J	01/21/10 15:59
7440-38-2	Arsenic, Dissolved	1.1	ug/L	1	1.0	0.39		01/21/10 15:59
7440-41-7	Beryllium, Dissolved	1.0	ug/L	1	1.0	0.31	U	01/21/10 19:34
7440-43-9	Cadmium, Dissolved	0.20	ug/L	1	0.20	0.060	U	01/21/10 15:59
7440-47-3	Chromium, Dissolved	0.77	ug/L	1	5.0	0.34	J	01/21/10 15:59
7440-48-4	Cobalt, Dissolved	0.48	ug/L	1	1.0	0.036	J	01/21/10 15:59
7440-50-8	Copper, Dissolved	1.0	ug/L	1	2.0	0.26	J	01/21/10 15:59
7439-92-1	Lead, Dissolved	1.0	ug/L	1	1.0	0.26	U	01/21/10 15:59
7782-49-2	Selenium, Dissolved	2.0	ug/L	1	2.0	0.40	U	01/21/10 15:59
7440-22-4	Silver, Dissolved	0.20	ug/L	1	0.20	0.053	U	01/21/10 15:59
7440-28-0	Thallium, Dissolved	1.0	ug/L	1	1.0	0.050	U	01/21/10 15:59
7440-62-2	Vanadium, Dissolved	0.43	ug/L	1	1.0	0.30	J	01/21/10 15:59
7440-66-6	Zinc, Dissolved	8.8	ug/L	1	50	2.0	J	01/21/10 19:34

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

SD-VAS-56394-DR-011310-1008

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 01/13/10 10:10
Solids: 0.00
Laboratory ID: 1001177-08

SDG: PM011110
Project: Plainwell Mill
Preparation: 3020A Digestion
Prepared: 01/18/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1000385

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.66	ug/L	1	1.0	0.40	J	01/21/10 15:15
7440-38-2	Arsenic, Total	22	ug/L	1	1.0	0.39		01/21/10 15:15
7440-41-7	Beryllium, Total	0.50	ug/L	1	1.0	0.31	J	01/21/10 19:19
7440-43-9	Cadmium, Total	0.43	ug/L	1	0.20	0.060		01/21/10 15:15
7440-47-3	Chromium, Total	100	ug/L	1	5.0	0.34		01/21/10 15:15
7440-48-4	Cobalt, Total	12	ug/L	1	1.0	0.036		01/21/10 15:15
7440-50-8	Copper, Total	76	ug/L	1	2.0	0.26		01/21/10 15:15
7439-92-1	Lead, Total	29	ug/L	1	1.0	0.26		01/21/10 15:15
7782-49-2	Selenium, Total	0.49	ug/L	1	2.0	0.40	J	01/21/10 15:15
7440-22-4	Silver, Total	0.23	ug/L	1	0.20	0.053		01/21/10 15:15
7440-28-0	Thallium, Total	0.19	ug/L	1	1.0	0.050	J	01/21/10 15:15
7440-62-2	Vanadium, Total	27	ug/L	1	1.0	0.30		01/21/10 15:15
7440-66-6	Zinc, Total	440	ug/L	1	50	2.0		01/21/10 15:15

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

SD-VAS-56394-DR-011310-1008

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 01/13/10 10:10
Solids: 0.00
Laboratory ID: 1001177-09

SDG: PM011110
Project: Plainwell Mill
Preparation: General Metals Prep
Prepared: 01/18/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1000386

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Dissolved	1.0	ug/L	1	1.0	0.40	U	01/21/10 16:26
7440-38-2	Arsenic, Dissolved	5.5	ug/L	1	1.0	0.39		01/21/10 16:26
7440-41-7	Beryllium, Dissolved	1.0	ug/L	1	1.0	0.31	U	01/21/10 19:44
7440-43-9	Cadmium, Dissolved	0.061	ug/L	1	0.20	0.060	J	01/21/10 16:26
7440-47-3	Chromium, Dissolved	4.6	ug/L	1	5.0	0.34	J	01/21/10 16:26
7440-48-4	Cobalt, Dissolved	1.9	ug/L	1	1.0	0.036		01/21/10 16:26
7440-50-8	Copper, Dissolved	7.5	ug/L	1	2.0	0.26		01/21/10 16:26
7439-92-1	Lead, Dissolved	2.1	ug/L	1	1.0	0.26		01/21/10 16:26
7782-49-2	Selenium, Dissolved	0.44	ug/L	1	2.0	0.40	J	01/21/10 16:26
7440-22-4	Silver, Dissolved	0.15	ug/L	1	0.20	0.053	J	01/21/10 16:26
7440-28-0	Thallium, Dissolved	1.0	ug/L	1	1.0	0.050	U	01/21/10 16:26
7440-62-2	Vanadium, Dissolved	2.3	ug/L	1	1.0	0.30		01/21/10 16:26
7440-66-6	Zinc, Dissolved	50	ug/L	1	50	2.0		01/21/10 19:44

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-VAS-56394-DR-011310-1008

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 01/13/10 10:10
Solids: 0.00
Laboratory ID: 1001177-10

SDG: PM011110
Project: Plainwell Mill
Preparation: 3020A Digestion
Prepared: 01/18/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1000385

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.72	ug/L	1	1.0	0.40	J	01/21/10 15:19
7440-38-2	Arsenic, Total	25	ug/L	1	1.0	0.39		01/21/10 15:19
7440-41-7	Beryllium, Total	0.77	ug/L	1	1.0	0.31	J	01/21/10 19:21
7440-43-9	Cadmium, Total	0.80	ug/L	1	0.20	0.060		01/21/10 15:19
7440-47-3	Chromium, Total	120	ug/L	1	5.0	0.34		01/21/10 15:19
7440-48-4	Cobalt, Total	15	ug/L	1	1.0	0.036		01/21/10 15:19
7440-50-8	Copper, Total	92	ug/L	1	2.0	0.26		01/21/10 15:19
7439-92-1	Lead, Total	34	ug/L	1	1.0	0.26		01/21/10 15:19
7782-49-2	Selenium, Total	0.61	ug/L	1	2.0	0.40	J	01/21/10 15:19
7440-22-4	Silver, Total	0.18	ug/L	1	0.20	0.053	J	01/21/10 15:19
7440-28-0	Thallium, Total	0.50	ug/L	1	1.0	0.050	J	01/21/10 15:19
7440-62-2	Vanadium, Total	32	ug/L	1	1.0	0.30		01/21/10 15:19
7440-66-6	Zinc, Total	500	ug/L	1	50	2.0		01/21/10 15:19

00379

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-VAS-56394-DR-011310-1008

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 01/13/10 10:10
Solids: 0.00
Laboratory ID: 1001177-11

SDG: PM011110
Project: Plainwell Mill
Preparation: General Metals Prep
Prepared: 01/18/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1000386

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Dissolved	1.0	ug/L	1	1.0	0.40	U	01/21/10 16:30
7440-38-2	Arsenic, Dissolved	5.2	ug/L	1	1.0	0.39		01/21/10 16:30
7440-41-7	Beryllium, Dissolved	1.0	ug/L	1	1.0	0.31	U	01/21/10 19:46
7440-43-9	Cadmium, Dissolved	0.20	ug/L	1	0.20	0.060	U	01/21/10 16:30
7440-47-3	Chromium, Dissolved	2.3	ug/L	1	5.0	0.34	J	01/21/10 16:30
7440-48-4	Cobalt, Dissolved	1.6	ug/L	1	1.0	0.036		01/21/10 16:30
7440-50-8	Copper, Dissolved	5.3	ug/L	1	2.0	0.26		01/21/10 16:30
7439-92-1	Lead, Dissolved	1.8	ug/L	1	1.0	0.26		01/21/10 16:30
7782-49-2	Selenium, Dissolved	0.79	ug/L	1	2.0	0.40	J	01/21/10 16:30
7440-22-4	Silver, Dissolved	0.20	ug/L	1	0.20	0.053	U	01/21/10 16:30
7440-28-0	Thallium, Dissolved	1.0	ug/L	1	1.0	0.050	U	01/21/10 16:30
7440-62-2	Vanadium, Dissolved	1.8	ug/L	1	1.0	0.30		01/21/10 16:30
7440-66-6	Zinc, Dissolved	49	ug/L	1	50	2.0	J	01/21/10 19:46

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-DR-011310-1011

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 13:25
Solids: 52.11
Laboratory ID: 1001177-12

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 07:00
Initial/Final: 0.5383 g / 250 mL
QC Batch: 1000390

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	4.4	mg/kg dry wt.	1	0.093	0.028		01/25/10 12:15
7440-41-7	Beryllium, Total	0.68	mg/kg dry wt.	1	0.093	0.029		01/25/10 15:38
7440-43-9	Cadmium, Total	0.19	mg/kg dry wt.	1	0.046	0.0049		01/25/10 12:15
7440-47-3	Chromium, Total	18	mg/kg dry wt.	1	0.19	0.042		01/25/10 12:15
7440-48-4	Cobalt, Total	2.4	mg/kg dry wt.	1	0.093	0.016		01/25/10 12:15
7440-50-8	Copper, Total	49	mg/kg dry wt.	2	0.19	0.15		01/25/10 13:59
7439-92-1	Lead, Total	12	mg/kg dry wt.	1	0.093	0.046		01/25/10 12:15
7782-49-2	Selenium, Total	0.45	mg/kg dry wt.	1	0.19	0.046		01/25/10 12:15
7440-22-4	Silver, Total	0.077	mg/kg dry wt.	1	0.046	0.010		01/25/10 12:15
7440-28-0	Thallium, Total	0.16	mg/kg dry wt.	1	0.046	0.0057		01/25/10 12:15
7440-62-2	Vanadium, Total	18	mg/kg dry wt.	1	0.093	0.030		01/25/10 12:15
7440-66-6	Zinc, Total	220	mg/kg dry wt.	10	9.3	4.3		01/25/10 13:56

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-DR-011310-1011

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 13:25
Solids: 52.11
Laboratory ID: 1001177-12

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 10:15
Initial/Final: 0.5106 g / 250 mL
QC Batch: 1000411

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.34	mg/kg dry wt.	1	0.10	0.037		01/20/10 11:51

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011310-028

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 16:30
Solids: 87.35
Laboratory ID: 1001177-13

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 07:00
Initial/Final: 0.5037 g / 250 mL
QC Batch: 1000390

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	16	mg/kg dry wt.	1	0.10	0.030		01/25/10 12:18
7440-41-7	Beryllium, Total	1.5	mg/kg dry wt.	1	0.10	0.031		01/25/10 15:40
7440-43-9	Cadmium, Total	0.53	mg/kg dry wt.	1	0.050	0.0053		01/25/10 12:18
7440-47-3	Chromium, Total	13	mg/kg dry wt.	1	0.20	0.045		01/25/10 12:18
7440-48-4	Cobalt, Total	8.4	mg/kg dry wt.	1	0.10	0.017		01/25/10 12:18
7440-50-8	Copper, Total	83	mg/kg dry wt.	5	0.50	0.39		01/25/10 14:06
7439-92-1	Lead, Total	170	mg/kg dry wt.	5	0.50	0.25		01/25/10 14:06
7782-49-2	Selenium, Total	0.72	mg/kg dry wt.	1	0.20	0.049		01/25/10 12:18
7440-22-4	Silver, Total	0.10	mg/kg dry wt.	1	0.050	0.011		01/25/10 12:18
7440-28-0	Thallium, Total	0.29	mg/kg dry wt.	1	0.050	0.0061		01/25/10 12:18
7440-62-2	Vanadium, Total	18	mg/kg dry wt.	1	0.10	0.032		01/25/10 12:18
7440-66-6	Zinc, Total	140	mg/kg dry wt.	5	5.0	2.3		01/25/10 14:06

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011310-028

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 16:30
Solids: 87.35
Laboratory ID: 1001177-13

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 10:15
Initial/Final: 0.5007 g / 250 mL
QC Batch: 1000411

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	2.2	mg/kg dry wt.	1	0.10	0.037		01/20/10 11:54

00375

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011410-040

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 10:25
Solids: 96.27
Laboratory ID: 1001177-14

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 07:00
Initial/Final: 0.5014 g / 250 mL
QC Batch: 1000390

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	0.030		01/25/10 12:22
7440-41-7	Beryllium, Total	0.15	mg/kg dry wt.	1	0.10	0.031		01/25/10 15:42
7440-43-9	Cadmium, Total	0.055	mg/kg dry wt.	1	0.050	0.0053		01/25/10 12:22
7440-47-3	Chromium, Total	11	mg/kg dry wt.	1	0.20	0.045		01/25/10 12:22
7440-48-4	Cobalt, Total	5.0	mg/kg dry wt.	1	0.10	0.017		01/25/10 12:22
7440-50-8	Copper, Total	9.3	mg/kg dry wt.	1	0.10	0.043		01/25/10 12:22
7439-92-1	Lead, Total	5.7	mg/kg dry wt.	1	0.10	0.049		01/25/10 12:22
7782-49-2	Selenium, Total	0.24	mg/kg dry wt.	1	0.20	0.049		01/25/10 12:22
7440-22-4	Silver, Total	0.031	mg/kg dry wt.	1	0.050	0.011	J	01/25/10 12:22
7440-28-0	Thallium, Total	0.088	mg/kg dry wt.	1	0.050	0.0061		01/25/10 12:22
7440-62-2	Vanadium, Total	17	mg/kg dry wt.	1	0.10	0.032		01/25/10 12:22
7440-66-6	Zinc, Total	21	mg/kg dry wt.	1	1.0	0.44		01/25/10 12:22

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011410-040

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 10:25
Solids: 96.27
Laboratory ID: 1001177-14

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 10:15
Initial/Final: 0.5017 g / 250 mL
QC Batch: 1000411

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.14	mg/kg dry wt.	1	0.10	0.037		01/20/10 11:56

00377

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011310-026

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 15:20
Solids: 93.43
Laboratory ID: 1001177-15

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 07:00
Initial/Final: 0.5061 g / 250 mL
QC Batch: 1000390

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-38-2	Arsenic, Total	8.6	mg/kg dry wt.	1	0.10	0.030		01/25/10 12:25
7440-41-7	Beryllium, Total	0.20	mg/kg dry wt.	1	0.10	0.031		01/25/10 15:44
7440-43-9	Cadmium, Total	0.067	mg/kg dry wt.	1	0.050	0.0053		01/25/10 12:25
7440-47-3	Chromium, Total	8.6	mg/kg dry wt.	1	0.20	0.045		01/25/10 12:25
7440-48-4	Cobalt, Total	4.8	mg/kg dry wt.	1	0.10	0.017		01/25/10 12:25
7440-50-8	Copper, Total	10	mg/kg dry wt.	1	0.10	0.043		01/25/10 12:25
7439-92-1	Lead, Total	6.4	mg/kg dry wt.	1	0.10	0.049		01/25/10 12:25
7782-49-2	Selenium, Total	0.12	mg/kg dry wt.	1	0.20	0.049	J	01/25/10 12:25
7440-22-4	Silver, Total	0.035	mg/kg dry wt.	1	0.050	0.011	J	01/25/10 12:25
7440-28-0	Thallium, Total	0.11	mg/kg dry wt.	1	0.050	0.0061		01/25/10 12:25
7440-62-2	Vanadium, Total	14	mg/kg dry wt.	1	0.10	0.032		01/25/10 12:25
7440-66-6	Zinc, Total	28	mg/kg dry wt.	1	1.0	0.44		01/25/10 12:25

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011310-026

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 15:20
Solids: 93.43
Laboratory ID: 1001177-15

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Prepared: 01/18/10 10:15
Initial/Final: 0.5085 g / 250 mL
QC Batch: 1000411

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.20	mg/kg dry wt.	1	0.10	0.037		01/20/10 11:58

00379

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A20017

SDG: PM011110
Project: Plainwell Mill
Instrument: 114
Calibration: 0A20011

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0A20017-CAL1	0a20017-001	01/20/10 10:46
Cal Standard	0A20017-CAL2	0a20017-002	01/20/10 10:48
Cal Standard	0A20017-CAL3	0a20017-003	01/20/10 10:50
Cal Standard	0A20017-CAL4	0a20017-004	01/20/10 10:52
Cal Standard	0A20017-CAL5	0a20017-005	01/20/10 10:54
Cal Standard	0A20017-CAL6	0a20017-006	01/20/10 10:56
Cal Standard	0A20017-CAL7	0a20017-007	01/20/10 10:58
Secondary Cal Check	0A20017-SCV1	0a20017-008	01/20/10 11:00
Calibration Check	0A20017-CCV1	0a20017-008	01/20/10 11:00
Calibration Blank	0A20017-CCB1	0a20017-009	01/20/10 11:03
MRL Check	0A20017-CRL1	0a20017-010	01/20/10 11:06
Interference Check A	0A20017-IFA1	0a20017-011	01/20/10 11:08
Interference Check B	0A20017-IFB1	0a20017-012	01/20/10 11:10
Calibration Check	0A20017-CCV2	0a20017-013	01/20/10 11:12
Calibration Blank	0A20017-CCB2	0a20017-014	01/20/10 11:15
Blank	1000411-BLK1	0a20017-015	01/20/10 11:17
LCS	1000411-BS1	0a20017-016	01/20/10 11:19
S-SO-56394-CB-011110-003	1001142-02	0a20017-017	01/20/10 11:21
S-SS-56394-EV-011210-011	1001142-03	0a20017-018	01/20/10 11:23
S-SO-56394-CB-011210-015	1001142-04	0a20017-019	01/20/10 11:25
S-SS-56394-EV-011310-021	1001177-01	0a20017-020	01/20/10 11:27
S-SO-56394-CB-011410-033	1001177-02	0a20017-021	01/20/10 11:30
SD-SO-56394-CB-011410-033	1001177-03	0a20017-022	01/20/10 11:32
S-SO-56394-CB-011410-046	1001177-04	0a20017-023	01/20/10 11:34
S-SO-56394-CB-011410-041	1001177-05	0a20017-024	01/20/10 11:36
Calibration Check	0A20017-CCV3	0a20017-025	01/20/10 11:38
Calibration Blank	0A20017-CCB3	0a20017-026	01/20/10 11:41
S-SO-56394-CB-011410-041	1000411-MS1	0a20017-027	01/20/10 11:43
S-SO-56394-CB-011410-041	1000411-MSD1	0a20017-028	01/20/10 11:45
S-SO-56394-CB-011410-041	0A20017-SRD1	0a20017-029	01/20/10 11:47
S-SO-56394-CB-011410-041	1000411-PS1	0a20017-030	01/20/10 11:49
S-SO-56394-DR-011310-1011	1001177-12	0a20017-031	01/20/10 11:51

00389

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A20017

SDG: PM011110
Project: Plainwell Mill
Instrument: 114
Calibration: 0A20011

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-011310-028	1001177-13	0a20017-032	01/20/10 11:54
S-SO-56394-CB-011410-040	1001177-14	0a20017-033	01/20/10 11:56
S-SO-56394-CB-011310-026	1001177-15	0a20017-034	01/20/10 11:58
Calibration Check	0A20017-CCV4	0a20017-037	01/20/10 12:04
Calibration Blank	0A20017-CCB4	0a20017-038	01/20/10 12:07
Serial Dilution	0A20017-SRD2	0a20017-042	01/20/10 12:16
Calibration Check	0A20017-CCV5	0a20017-047	01/20/10 12:26
Calibration Blank	0A20017-CCB5	0a20017-048	01/20/10 12:29

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A21031

SDG: PM011110
Project: Plainwell Mill
Instrument: 114
Calibration: 0A22003

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0A21031-CAL1	0a21031-001	01/21/10 12:59
Cal Standard	0A21031-CAL2	0a21031-002	01/21/10 13:03
Cal Standard	0A21031-CAL3	0a21031-003	01/21/10 13:08
Cal Standard	0A21031-CAL4	0a21031-004	01/21/10 13:12
Cal Standard	0A21031-CAL5	0a21031-005	01/21/10 13:16
Cal Standard	0A21031-CAL6	0a21031-006	01/21/10 13:20
Cal Standard	0A21031-CAL7	0a21031-007	01/21/10 13:24
Cal Standard	0A21031-CAL8	0a21031-008	01/21/10 13:28
Secondary Cal Check	0A21031-SCV1	0a21031-010	01/21/10 13:39
Calibration Check	0A21031-CCV1	0a21031-010	01/21/10 13:39
Calibration Blank	0A21031-CCB1	0a21031-011	01/21/10 13:48
MRL Check	0A21031-CRL1	0a21031-012	01/21/10 13:53
MRL Check	0A21031-CRL2	0a21031-013	01/21/10 13:57
MRL Check	0A21031-CRL3	0a21031-014	01/21/10 14:01
Interference Check A	0A21031-IFA1	0a21031-015	01/21/10 14:05
Interference Check B	0A21031-IFB1	0a21031-017	01/21/10 14:14
Calibration Check	0A21031-CCV2	0a21031-018	01/21/10 14:18
Calibration Blank	0A21031-CCB2	0a21031-019	01/21/10 14:25
Blank	1000385-BLK1	0a21031-020	01/21/10 14:29
LCS	1000385-BS1	0a21031-021	01/21/10 14:33
S-VAS-56394-DR-011110-1001	1001142-01	0a21031-022	01/21/10 14:41
S-VAS-56394-DR-011110-1001	1001142-01	0a21031-022	01/21/10 14:41
S-VAS-56394-DR-011110-1001	1001142-01	0a21031-022	01/21/10 14:41
S-VAS-56394-DR-011110-1001	1001142-01	0a21031-022	01/21/10 14:41
S-VAS-56394-DR-011110-1001	1001142-01	0a21031-022	01/21/10 14:41
S-VAS-56394-DR-011110-1001	1001142-01	0a21031-022	01/21/10 14:41
S-VAS-56394-DR-011110-1001	1001142-01	0a21031-022	01/21/10 14:41
S-VAS-56394-DR-011110-1001	1001142-01	0a21031-022	01/21/10 14:41
S-VAS-56394-DR-011110-1001	1001142-01	0a21031-022	01/21/10 14:41
S-VAS-56394-DR-011110-1001	1001142-01	0a21031-022	01/21/10 14:41
S-VAS-56394-DR-011110-1001	1001142-01	0a21031-022	01/21/10 14:41

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A21031

SDG: PM011110
Project: Plainwell Mill
Instrument: 114
Calibration: 0A22003

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-VAS-56394-DR-011410-1013	1001177-06	0a21031-023	01/21/10 14:45
S-VAS-56394-DR-011410-1013	1001177-06	0a21031-023	01/21/10 14:45
S-VAS-56394-DR-011410-1013	1001177-06	0a21031-023	01/21/10 14:45
S-VAS-56394-DR-011410-1013	1001177-06	0a21031-023	01/21/10 14:45
S-VAS-56394-DR-011410-1013	1001177-06	0a21031-023	01/21/10 14:45
S-VAS-56394-DR-011410-1013	1001177-06	0a21031-023	01/21/10 14:45
S-VAS-56394-DR-011410-1013	1001177-06	0a21031-023	01/21/10 14:45
S-VAS-56394-DR-011410-1013	1001177-06	0a21031-023	01/21/10 14:45
S-VAS-56394-DR-011410-1013	1001177-06	0a21031-023	01/21/10 14:45
S-VAS-56394-DR-011410-1013	1001177-06	0a21031-023	01/21/10 14:45
S-VAS-56394-DR-011410-1013	1001177-06	0a21031-023	01/21/10 14:45
S-VAS-56394-DR-011410-1013	1001177-06	0a21031-023	01/21/10 14:45
S-VAS-56394-DR-011410-1013	1000385-MS1	0a21031-024	01/21/10 14:49
S-VAS-56394-DR-011410-1013	1000385-MSD1	0a21031-025	01/21/10 14:53
S-VAS-56394-DR-011410-1013	0A21031-SRD1	0a21031-026	01/21/10 15:03
S-VAS-56394-DR-011410-1013	1000385-PS1	0a21031-027	01/21/10 15:07
SD-VAS-56394-DR-011310-100	1001177-08	0a21031-028	01/21/10 15:15
SD-VAS-56394-DR-011310-100	1001177-08	0a21031-028	01/21/10 15:15
SD-VAS-56394-DR-011310-100	1001177-08	0a21031-028	01/21/10 15:15
SD-VAS-56394-DR-011310-100	1001177-08	0a21031-028	01/21/10 15:15
SD-VAS-56394-DR-011310-100	1001177-08	0a21031-028	01/21/10 15:15
SD-VAS-56394-DR-011310-100	1001177-08	0a21031-028	01/21/10 15:15
SD-VAS-56394-DR-011310-100	1001177-08	0a21031-028	01/21/10 15:15
SD-VAS-56394-DR-011310-100	1001177-08	0a21031-028	01/21/10 15:15
SD-VAS-56394-DR-011310-100	1001177-08	0a21031-028	01/21/10 15:15
SD-VAS-56394-DR-011310-100	1001177-08	0a21031-028	01/21/10 15:15
SD-VAS-56394-DR-011310-100	1001177-08	0a21031-028	01/21/10 15:15
SD-VAS-56394-DR-011310-100	1001177-08	0a21031-028	01/21/10 15:15
S-VAS-56394-DR-011310-1008	1001177-10	0a21031-029	01/21/10 15:19
S-VAS-56394-DR-011310-1008	1001177-10	0a21031-029	01/21/10 15:19
S-VAS-56394-DR-011310-1008	1001177-10	0a21031-029	01/21/10 15:19
S-VAS-56394-DR-011310-1008	1001177-10	0a21031-029	01/21/10 15:19

00383

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A21031

SDG: PM011110
Project: Plainwell Mill
Instrument: 114
Calibration: 0A22003

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-VAS-56394-DR-011310-1008	1001177-10	0a21031-029	01/21/10 15:19
S-VAS-56394-DR-011310-1008	1001177-10	0a21031-029	01/21/10 15:19
S-VAS-56394-DR-011310-1008	1001177-10	0a21031-029	01/21/10 15:19
S-VAS-56394-DR-011310-1008	1001177-10	0a21031-029	01/21/10 15:19
S-VAS-56394-DR-011310-1008	1001177-10	0a21031-029	01/21/10 15:19
S-VAS-56394-DR-011310-1008	1001177-10	0a21031-029	01/21/10 15:19
S-VAS-56394-DR-011310-1008	1001177-10	0a21031-029	01/21/10 15:19
S-VAS-56394-DR-011310-1008	1001177-10	0a21031-029	01/21/10 15:19
Calibration Check	0A21031-CCV3	0a21031-030	01/21/10 15:23
Calibration Blank	0A21031-CCB3	0a21031-031	01/21/10 15:30
Blank	1000386-BLK1	0a21031-032	01/21/10 15:43
LCS	1000386-BS1	0a21031-033	01/21/10 15:47
S-VAS-56394-DR-011110-1001	1001142-01	0a21031-034	01/21/10 15:55
S-VAS-56394-DR-011110-1001	1001142-01	0a21031-034	01/21/10 15:55
S-VAS-56394-DR-011110-1001	1001142-01	0a21031-034	01/21/10 15:55
S-VAS-56394-DR-011110-1001	1001142-01	0a21031-034	01/21/10 15:55
S-VAS-56394-DR-011110-1001	1001142-01	0a21031-034	01/21/10 15:55
S-VAS-56394-DR-011110-1001	1001142-01	0a21031-034	01/21/10 15:55
S-VAS-56394-DR-011110-1001	1001142-01	0a21031-034	01/21/10 15:55
S-VAS-56394-DR-011110-1001	1001142-01	0a21031-034	01/21/10 15:55
S-VAS-56394-DR-011110-1001	1001142-01	0a21031-034	01/21/10 15:55
S-VAS-56394-DR-011110-1001	1001142-01	0a21031-034	01/21/10 15:55
S-VAS-56394-DR-011410-1013	1001177-07	0a21031-035	01/21/10 15:59
S-VAS-56394-DR-011410-1013	1001177-07	0a21031-035	01/21/10 15:59
S-VAS-56394-DR-011410-1013	1001177-07	0a21031-035	01/21/10 15:59
S-VAS-56394-DR-011410-1013	1001177-07	0a21031-035	01/21/10 15:59
S-VAS-56394-DR-011410-1013	1001177-07	0a21031-035	01/21/10 15:59
S-VAS-56394-DR-011410-1013	1001177-07	0a21031-035	01/21/10 15:59
S-VAS-56394-DR-011410-1013	1001177-07	0a21031-035	01/21/10 15:59
S-VAS-56394-DR-011410-1013	1001177-07	0a21031-035	01/21/10 15:59

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A21031

SDG: PM011110
Project: Plainwell Mill
Instrument: 114
Calibration: 0A22003

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-VAS-56394-DR-011410-1013	1001177-07	0a21031-035	01/21/10 15:59
S-VAS-56394-DR-011410-1013	1001177-07	0a21031-035	01/21/10 15:59
S-VAS-56394-DR-011410-1013	1000386-MS1	0a21031-036	01/21/10 16:03
S-VAS-56394-DR-011410-1013	1000386-MSD1	0a21031-037	01/21/10 16:07
S-VAS-56394-DR-011410-1013	0A21031-SRD2	0a21031-038	01/21/10 16:14
S-VAS-56394-DR-011410-1013	1000386-PS1	0a21031-039	01/21/10 16:18
SD-VAS-56394-DR-011310-100	1001177-09	0a21031-040	01/21/10 16:26
SD-VAS-56394-DR-011310-100	1001177-09	0a21031-040	01/21/10 16:26
SD-VAS-56394-DR-011310-100	1001177-09	0a21031-040	01/21/10 16:26
SD-VAS-56394-DR-011310-100	1001177-09	0a21031-040	01/21/10 16:26
SD-VAS-56394-DR-011310-100	1001177-09	0a21031-040	01/21/10 16:26
SD-VAS-56394-DR-011310-100	1001177-09	0a21031-040	01/21/10 16:26
SD-VAS-56394-DR-011310-100	1001177-09	0a21031-040	01/21/10 16:26
SD-VAS-56394-DR-011310-100	1001177-09	0a21031-040	01/21/10 16:26
SD-VAS-56394-DR-011310-100	1001177-09	0a21031-040	01/21/10 16:26
SD-VAS-56394-DR-011310-100	1001177-09	0a21031-040	01/21/10 16:26
SD-VAS-56394-DR-011310-100	1001177-09	0a21031-040	01/21/10 16:26
S-VAS-56394-DR-011310-1008	1001177-11	0a21031-041	01/21/10 16:30
S-VAS-56394-DR-011310-1008	1001177-11	0a21031-041	01/21/10 16:30
S-VAS-56394-DR-011310-1008	1001177-11	0a21031-041	01/21/10 16:30
S-VAS-56394-DR-011310-1008	1001177-11	0a21031-041	01/21/10 16:30
S-VAS-56394-DR-011310-1008	1001177-11	0a21031-041	01/21/10 16:30
S-VAS-56394-DR-011310-1008	1001177-11	0a21031-041	01/21/10 16:30
S-VAS-56394-DR-011310-1008	1001177-11	0a21031-041	01/21/10 16:30
S-VAS-56394-DR-011310-1008	1001177-11	0a21031-041	01/21/10 16:30
S-VAS-56394-DR-011310-1008	1001177-11	0a21031-041	01/21/10 16:30
S-VAS-56394-DR-011310-1008	1001177-11	0a21031-041	01/21/10 16:30
Calibration Check	0A21031-CCV4	0a21031-042	01/21/10 16:34
Calibration Blank	0A21031-CCB4	0a21031-043	01/21/10 16:42

99385

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A21053

SDG: PM011110
Project: Plainwell Mill
Instrument: 114
Calibration: 0A23001

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0A21053-CAL1	0a21053-005	01/21/10 18:33
Cal Standard	0A21053-CAL2	0a21053-006	01/21/10 18:35
Cal Standard	0A21053-CAL3	0a21053-007	01/21/10 18:37
Cal Standard	0A21053-CAL4	0a21053-008	01/21/10 18:39
Cal Standard	0A21053-CAL5	0a21053-009	01/21/10 18:42
Cal Standard	0A21053-CAL6	0a21053-010	01/21/10 18:44
Cal Standard	0A21053-CAL7	0a21053-011	01/21/10 18:46
Secondary Cal Check	0A21053-SCV1	0a21053-012	01/21/10 18:48
Calibration Check	0A21053-CCV1	0a21053-012	01/21/10 18:48
Calibration Blank	0A21053-CCB1	0a21053-013	01/21/10 18:50
MRL Check	0A21053-CRL1	0a21053-014	01/21/10 18:52
Interference Check A	0A21053-IFA1	0a21053-015	01/21/10 18:54
Interference Check B	0A21053-IFB1	0a21053-016	01/21/10 18:56
Calibration Check	0A21053-CCV2	0a21053-017	01/21/10 18:58
Calibration Blank	0A21053-CCB2	0a21053-018	01/21/10 19:00
Blank	1000385-BLK2	0a21053-019	01/21/10 19:02
LCS	1000385-BS2	0a21053-020	01/21/10 19:05
S-VAS-56394-DR-011110-1001	1001142-01	0a21053-021	01/21/10 19:07
S-VAS-56394-DR-011410-1013	1001177-06	0a21053-022	01/21/10 19:09
S-VAS-56394-DR-011410-1013	1000385-MS2	0a21053-023	01/21/10 19:11
S-VAS-56394-DR-011410-1013	1000385-MSD2	0a21053-024	01/21/10 19:13
S-VAS-56394-DR-011410-1013	0A21053-SRD1	0a21053-025	01/21/10 19:15
S-VAS-56394-DR-011410-1013	1000385-PS2	0a21053-026	01/21/10 19:17
SD-VAS-56394-DR-011310-100	1001177-08	0a21053-027	01/21/10 19:19
S-VAS-56394-DR-011310-1008	1001177-10	0a21053-028	01/21/10 19:21
Calibration Check	0A21053-CCV3	0a21053-029	01/21/10 19:23
Calibration Blank	0A21053-CCB3	0a21053-030	01/21/10 19:25
Blank	1000386-BLK2	0a21053-031	01/21/10 19:28
LCS	1000386-BS2	0a21053-032	01/21/10 19:30
S-VAS-56394-DR-011110-1001	1001142-01	0a21053-033	01/21/10 19:32
S-VAS-56394-DR-011110-1001	1001142-01	0a21053-033	01/21/10 19:32
S-VAS-56394-DR-011410-1013	1001177-07	0a21053-034	01/21/10 19:34

09386

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A21053

SDG: PM011110
Project: Plainwell Mill
Instrument: 114
Calibration: 0A23001

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-VAS-56394-DR-011410-1013	1001177-07	0a21053-034	01/21/10 19:34
S-VAS-56394-DR-011410-1013	1000386-MS2	0a21053-035	01/21/10 19:36
S-VAS-56394-DR-011410-1013	1000386-MSD2	0a21053-036	01/21/10 19:38
S-VAS-56394-DR-011410-1013	0A21053-SRD2	0a21053-037	01/21/10 19:40
S-VAS-56394-DR-011410-1013	1000386-PS2	0a21053-038	01/21/10 19:42
SD-VAS-56394-DR-011310-100	1001177-09	0a21053-039	01/21/10 19:44
SD-VAS-56394-DR-011310-100	1001177-09	0a21053-039	01/21/10 19:44
S-VAS-56394-DR-011310-1008	1001177-11	0a21053-040	01/21/10 19:46
S-VAS-56394-DR-011310-1008	1001177-11	0a21053-040	01/21/10 19:46
Calibration Check	0A21053-CCV4	0a21053-041	01/21/10 19:49
Calibration Blank	0A21053-CCB4	0a21053-042	01/21/10 19:51

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A25028

SDG: PM011110
Project: Plainwell Mill
Instrument: 201
Calibration: 0A25012

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0A25028-CAL1	0a25028-001	01/25/10 10:26
Cal Standard	0A25028-CAL2	0a25028-002	01/25/10 10:29
Cal Standard	0A25028-CAL3	0a25028-003	01/25/10 10:33
Cal Standard	0A25028-CAL4	0a25028-004	01/25/10 10:36
Cal Standard	0A25028-CAL5	0a25028-005	01/25/10 10:40
Cal Standard	0A25028-CAL6	0a25028-006	01/25/10 10:43
Cal Standard	0A25028-CAL7	0a25028-007	01/25/10 10:47
Cal Standard	0A25028-CAL8	0a25028-008	01/25/10 10:50
Secondary Cal Check	0A25028-SCV1	0a25028-009	01/25/10 10:53
Calibration Check	0A25028-CCV1	0a25028-009	01/25/10 10:53
Calibration Blank	0A25028-CCB1	0a25028-010	01/25/10 10:57
MRL Check	0A25028-CRL1	0a25028-011	01/25/10 11:00
MRL Check	0A25028-CRL2	0a25028-012	01/25/10 11:04
Interference Check A	0A25028-IFA1	0a25028-013	01/25/10 11:07
Interference Check B	0A25028-IFB1	0a25028-014	01/25/10 11:10
Calibration Check	0A25028-CCV2	0a25028-015	01/25/10 11:14
Calibration Blank	0A25028-CCB2	0a25028-016	01/25/10 11:17
Blank	1000390-BLK1	0a25028-017	01/25/10 11:20
LCS	1000390-BS1	0a25028-018	01/25/10 11:24
S-SO-56394-CB-011110-003	1001142-02	0a25028-019	01/25/10 11:27
S-SO-56394-CB-011110-003	1001142-02	0a25028-019	01/25/10 11:27
S-SO-56394-CB-011110-003	1001142-02	0a25028-019	01/25/10 11:27
S-SO-56394-CB-011110-003	1001142-02	0a25028-019	01/25/10 11:27
S-SO-56394-CB-011110-003	1001142-02	0a25028-019	01/25/10 11:27
S-SO-56394-CB-011110-003	1001142-02	0a25028-019	01/25/10 11:27
S-SO-56394-CB-011110-003	1001142-02	0a25028-019	01/25/10 11:27
S-SO-56394-CB-011110-003	1001142-02	0a25028-019	01/25/10 11:27
S-SO-56394-CB-011110-003	1001142-02	0a25028-019	01/25/10 11:27
S-SO-56394-CB-011110-003	1001142-02	0a25028-019	01/25/10 11:27
S-SS-56394-EV-011210-011	1001142-03	0a25028-020	01/25/10 11:31
S-SS-56394-EV-011210-011	1001142-03	0a25028-020	01/25/10 11:31
S-SS-56394-EV-011210-011	1001142-03	0a25028-020	01/25/10 11:31

00368

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A25028

SDG: PM011110
Project: Plainwell Mill
Instrument: 201
Calibration: 0A25012

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SS-56394-EV-011210-011	1001142-03	0a25028-020	01/25/10 11:31
S-SS-56394-EV-011210-011	1001142-03	0a25028-020	01/25/10 11:31
S-SS-56394-EV-011210-011	1001142-03	0a25028-020	01/25/10 11:31
S-SS-56394-EV-011210-011	1001142-03	0a25028-020	01/25/10 11:31
S-SS-56394-EV-011210-011	1001142-03	0a25028-020	01/25/10 11:31
S-SS-56394-EV-011210-011	1001142-03	0a25028-020	01/25/10 11:31
S-SS-56394-EV-011210-011	1001142-03	0a25028-020	01/25/10 11:31
S-SS-56394-EV-011210-011	1001142-03	0a25028-020	01/25/10 11:31
S-SO-56394-CB-011210-015	1001142-04	0a25028-021	01/25/10 11:34
S-SO-56394-CB-011210-015	1001142-04	0a25028-021	01/25/10 11:34
S-SO-56394-CB-011210-015	1001142-04	0a25028-021	01/25/10 11:34
S-SO-56394-CB-011210-015	1001142-04	0a25028-021	01/25/10 11:34
S-SO-56394-CB-011210-015	1001142-04	0a25028-021	01/25/10 11:34
S-SO-56394-CB-011210-015	1001142-04	0a25028-021	01/25/10 11:34
S-SO-56394-CB-011210-015	1001142-04	0a25028-021	01/25/10 11:34
S-SO-56394-CB-011210-015	1001142-04	0a25028-021	01/25/10 11:34
S-SO-56394-CB-011210-015	1001142-04	0a25028-021	01/25/10 11:34
S-SO-56394-CB-011210-015	1001142-04	0a25028-021	01/25/10 11:34
S-SS-56394-EV-011310-021	1001177-01	0a25028-022	01/25/10 11:38
S-SS-56394-EV-011310-021	1001177-01	0a25028-022	01/25/10 11:38
S-SS-56394-EV-011310-021	1001177-01	0a25028-022	01/25/10 11:38
S-SS-56394-EV-011310-021	1001177-01	0a25028-022	01/25/10 11:38
S-SS-56394-EV-011310-021	1001177-01	0a25028-022	01/25/10 11:38
S-SS-56394-EV-011310-021	1001177-01	0a25028-022	01/25/10 11:38
S-SS-56394-EV-011310-021	1001177-01	0a25028-022	01/25/10 11:38
S-SS-56394-EV-011310-021	1001177-01	0a25028-022	01/25/10 11:38
S-SS-56394-EV-011310-021	1001177-01	0a25028-022	01/25/10 11:38
S-SS-56394-EV-011310-021	1001177-01	0a25028-022	01/25/10 11:38
S-SS-56394-EV-011310-021	1001177-01	0a25028-022	01/25/10 11:38
S-SO-56394-CB-011410-033	1001177-02	0a25028-023	01/25/10 11:41
S-SO-56394-CB-011410-033	1001177-02	0a25028-023	01/25/10 11:41

00389

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A25028

SDG: PM011110
Project: Plainwell Mill
Instrument: 201
Calibration: 0A25012

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-011410-033	1001177-02	0a25028-023	01/25/10 11:41
S-SO-56394-CB-011410-033	1001177-02	0a25028-023	01/25/10 11:41
S-SO-56394-CB-011410-033	1001177-02	0a25028-023	01/25/10 11:41
S-SO-56394-CB-011410-033	1001177-02	0a25028-023	01/25/10 11:41
S-SO-56394-CB-011410-033	1001177-02	0a25028-023	01/25/10 11:41
S-SO-56394-CB-011410-033	1001177-02	0a25028-023	01/25/10 11:41
S-SO-56394-CB-011410-033	1001177-02	0a25028-023	01/25/10 11:41
S-SO-56394-CB-011410-033	1001177-02	0a25028-023	01/25/10 11:41
S-SO-56394-CB-011410-033	1001177-02	0a25028-023	01/25/10 11:41
S-SO-56394-CB-011410-033	1001177-02	0a25028-023	01/25/10 11:41
SD-SO-56394-CB-011410-033	1001177-03	0a25028-024	01/25/10 11:45
SD-SO-56394-CB-011410-033	1001177-03	0a25028-024	01/25/10 11:45
SD-SO-56394-CB-011410-033	1001177-03	0a25028-024	01/25/10 11:45
SD-SO-56394-CB-011410-033	1001177-03	0a25028-024	01/25/10 11:45
SD-SO-56394-CB-011410-033	1001177-03	0a25028-024	01/25/10 11:45
SD-SO-56394-CB-011410-033	1001177-03	0a25028-024	01/25/10 11:45
SD-SO-56394-CB-011410-033	1001177-03	0a25028-024	01/25/10 11:45
SD-SO-56394-CB-011410-033	1001177-03	0a25028-024	01/25/10 11:45
SD-SO-56394-CB-011410-033	1001177-03	0a25028-024	01/25/10 11:45
SD-SO-56394-CB-011410-033	1001177-03	0a25028-024	01/25/10 11:45
SD-SO-56394-CB-011410-033	1001177-03	0a25028-024	01/25/10 11:45
SD-SO-56394-CB-011410-033	1001177-03	0a25028-024	01/25/10 11:45
S-SO-56394-CB-011410-046	1001177-04	0a25028-025	01/25/10 11:48
S-SO-56394-CB-011410-046	1001177-04	0a25028-025	01/25/10 11:48
S-SO-56394-CB-011410-046	1001177-04	0a25028-025	01/25/10 11:48
S-SO-56394-CB-011410-046	1001177-04	0a25028-025	01/25/10 11:48
S-SO-56394-CB-011410-046	1001177-04	0a25028-025	01/25/10 11:48
S-SO-56394-CB-011410-046	1001177-04	0a25028-025	01/25/10 11:48
S-SO-56394-CB-011410-046	1001177-04	0a25028-025	01/25/10 11:48
S-SO-56394-CB-011410-046	1001177-04	0a25028-025	01/25/10 11:48
S-SO-56394-CB-011410-046	1001177-04	0a25028-025	01/25/10 11:48

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A25028

SDG: PM011110
Project: Plainwell Mill
Instrument: 201
Calibration: 0A25012

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-011410-046	1001177-04	0a25028-025	01/25/10 11:48
S-SO-56394-CB-011410-046	1001177-04	0a25028-025	01/25/10 11:48
S-SO-56394-CB-011410-041	1001177-05	0a25028-026	01/25/10 11:51
S-SO-56394-CB-011410-041	1001177-05	0a25028-026	01/25/10 11:51
S-SO-56394-CB-011410-041	1001177-05	0a25028-026	01/25/10 11:51
S-SO-56394-CB-011410-041	1001177-05	0a25028-026	01/25/10 11:51
S-SO-56394-CB-011410-041	1001177-05	0a25028-026	01/25/10 11:51
S-SO-56394-CB-011410-041	1001177-05	0a25028-026	01/25/10 11:51
S-SO-56394-CB-011410-041	1001177-05	0a25028-026	01/25/10 11:51
S-SO-56394-CB-011410-041	1001177-05	0a25028-026	01/25/10 11:51
S-SO-56394-CB-011410-041	1001177-05	0a25028-026	01/25/10 11:51
Calibration Check	0A25028-CCV3	0a25028-027	01/25/10 11:55
Calibration Blank	0A25028-CCB3	0a25028-028	01/25/10 11:58
S-SO-56394-CB-011410-041	1000390-MS1	0a25028-029	01/25/10 12:01
S-SO-56394-CB-011410-041	1000390-MSD1	0a25028-030	01/25/10 12:05
S-SO-56394-CB-011410-041	0A25028-SRD1	0a25028-031	01/25/10 12:08
S-SO-56394-CB-011410-041	1000390-PS1	0a25028-032	01/25/10 12:12
S-SO-56394-DR-011310-1011	1001177-12	0a25028-033	01/25/10 12:15
S-SO-56394-DR-011310-1011	1001177-12	0a25028-033	01/25/10 12:15
S-SO-56394-DR-011310-1011	1001177-12	0a25028-033	01/25/10 12:15
S-SO-56394-DR-011310-1011	1001177-12	0a25028-033	01/25/10 12:15
S-SO-56394-DR-011310-1011	1001177-12	0a25028-033	01/25/10 12:15
S-SO-56394-DR-011310-1011	1001177-12	0a25028-033	01/25/10 12:15
S-SO-56394-DR-011310-1011	1001177-12	0a25028-033	01/25/10 12:15
S-SO-56394-DR-011310-1011	1001177-12	0a25028-033	01/25/10 12:15
S-SO-56394-DR-011310-1011	1001177-12	0a25028-033	01/25/10 12:15
S-SO-56394-CB-011310-028	1001177-13	0a25028-034	01/25/10 12:18
S-SO-56394-CB-011310-028	1001177-13	0a25028-034	01/25/10 12:18
S-SO-56394-CB-011310-028	1001177-13	0a25028-034	01/25/10 12:18
S-SO-56394-CB-011310-028	1001177-13	0a25028-034	01/25/10 12:18
S-SO-56394-CB-011310-028	1001177-13	0a25028-034	01/25/10 12:18
S-SO-56394-CB-011310-028	1001177-13	0a25028-034	01/25/10 12:18

99391

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A25028

SDG: PM011110
Project: Plainwell Mill
Instrument: 201
Calibration: 0A25012

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-011310-028	1001177-13	0a25028-034	01/25/10 12:18
S-SO-56394-CB-011310-028	1001177-13	0a25028-034	01/25/10 12:18
S-SO-56394-CB-011410-040	1001177-14	0a25028-035	01/25/10 12:22
S-SO-56394-CB-011410-040	1001177-14	0a25028-035	01/25/10 12:22
S-SO-56394-CB-011410-040	1001177-14	0a25028-035	01/25/10 12:22
S-SO-56394-CB-011410-040	1001177-14	0a25028-035	01/25/10 12:22
S-SO-56394-CB-011410-040	1001177-14	0a25028-035	01/25/10 12:22
S-SO-56394-CB-011410-040	1001177-14	0a25028-035	01/25/10 12:22
S-SO-56394-CB-011410-040	1001177-14	0a25028-035	01/25/10 12:22
S-SO-56394-CB-011410-040	1001177-14	0a25028-035	01/25/10 12:22
S-SO-56394-CB-011410-040	1001177-14	0a25028-035	01/25/10 12:22
S-SO-56394-CB-011410-040	1001177-14	0a25028-035	01/25/10 12:22
S-SO-56394-CB-011310-026	1001177-15	0a25028-036	01/25/10 12:25
S-SO-56394-CB-011310-026	1001177-15	0a25028-036	01/25/10 12:25
S-SO-56394-CB-011310-026	1001177-15	0a25028-036	01/25/10 12:25
S-SO-56394-CB-011310-026	1001177-15	0a25028-036	01/25/10 12:25
S-SO-56394-CB-011310-026	1001177-15	0a25028-036	01/25/10 12:25
S-SO-56394-CB-011310-026	1001177-15	0a25028-036	01/25/10 12:25
S-SO-56394-CB-011310-026	1001177-15	0a25028-036	01/25/10 12:25
S-SO-56394-CB-011310-026	1001177-15	0a25028-036	01/25/10 12:25
S-SO-56394-CB-011310-026	1001177-15	0a25028-036	01/25/10 12:25
S-SO-56394-CB-011310-026	1001177-15	0a25028-036	01/25/10 12:25
Calibration Check	0A25028-CCV4	0a25028-039	01/25/10 12:35
Calibration Blank	0A25028-CCB4	0a25028-040	01/25/10 12:39
Serial Dilution	0A25028-SRD2	0a25028-050	01/25/10 13:13
Calibration Check	0A25028-CCV5	0a25028-051	01/25/10 13:16
Calibration Blank	0A25028-CCB5	0a25028-052	01/25/10 13:19
Calibration Check	0A25028-CCV6	0a25028-055	01/25/10 13:30
Calibration Blank	0A25028-CCB6	0a25028-056	01/25/10 13:33
S-SO-56394-CB-011110-003	1001142-02	0a25028-057	01/25/10 13:37

00392

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A25028

SDG: PM011110
Project: Plainwell Mill
Instrument: 201
Calibration: 0A25012

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-011110-003	1001142-02	0a25028-057	01/25/10 13:37
S-SS-56394-EV-011210-011	1001142-03	0a25028-058	01/25/10 13:39
S-SO-56394-CB-011210-015	1001142-04	0a25028-059	01/25/10 13:42
S-SO-56394-CB-011210-015	1001142-04	0a25028-059	01/25/10 13:42
S-SO-56394-CB-011410-041	1001177-05	0a25028-060	01/25/10 13:44
S-SO-56394-CB-011410-041	1001177-05	0a25028-060	01/25/10 13:44
S-SO-56394-CB-011410-041	1000390-MS1	0a25028-061	01/25/10 13:47
S-SO-56394-CB-011410-041	1000390-MSD1	0a25028-062	01/25/10 13:49
S-SO-56394-CB-011410-041	0A25028-SRD3	0a25028-063	01/25/10 13:52
S-SO-56394-CB-011410-041	1000390-PS2	0a25028-064	01/25/10 13:54
S-SO-56394-DR-011310-1011	1001177-12	0a25028-065	01/25/10 13:56
S-SO-56394-DR-011310-1011	1001177-12	0a25028-066	01/25/10 13:59
Calibration Check	0A25028-CCV7	0a25028-067	01/25/10 14:01
Calibration Blank	0A25028-CCB7	0a25028-068	01/25/10 14:04
S-SO-56394-CB-011310-028	1001177-13	0a25028-069	01/25/10 14:06
S-SO-56394-CB-011310-028	1001177-13	0a25028-069	01/25/10 14:06
S-SO-56394-CB-011310-028	1001177-13	0a25028-069	01/25/10 14:06
Calibration Check	0A25028-CCV8	0a25028-074	01/25/10 14:18
Calibration Blank	0A25028-CCB8	0a25028-075	01/25/10 14:20

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A25056

SDG: PM011110
Project: Plainwell Mill
Instrument: 201
Calibration: 0A26003

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0A25056-CAL1	0a25056-001	01/25/10 15:01
Cal Standard	0A25056-CAL2	0a25056-002	01/25/10 15:03
Cal Standard	0A25056-CAL3	0a25056-003	01/25/10 15:05
Cal Standard	0A25056-CAL4	0a25056-004	01/25/10 15:07
Cal Standard	0A25056-CAL5	0a25056-005	01/25/10 15:09
Cal Standard	0A25056-CAL6	0a25056-006	01/25/10 15:11
Cal Standard	0A25056-CAL7	0a25056-007	01/25/10 15:13
Secondary Cal Check	0A25056-SCV1	0a25056-008	01/25/10 15:15
Calibration Check	0A25056-CCV1	0a25056-008	01/25/10 15:15
Calibration Blank	0A25056-CCB1	0a25056-009	01/25/10 15:17
MRL Check	0A25056-CRL1	0a25056-010	01/25/10 15:19
Interference Check A	0A25056-IFA1	0a25056-011	01/25/10 15:20
Interference Check B	0A25056-IFB1	0a25056-012	01/25/10 15:22
Calibration Check	0A25056-CCV2	0a25056-013	01/25/10 15:24
Calibration Blank	0A25056-CCB2	0a25056-014	01/25/10 15:26
S-SO-56394-CB-011410-041	1001177-05	0a25056-015	01/25/10 15:28
S-SO-56394-CB-011410-041	1000390-MS2	0a25056-016	01/25/10 15:30
S-SO-56394-CB-011410-041	1000390-MSD2	0a25056-017	01/25/10 15:32
S-SO-56394-CB-011410-041	0A25056-SRD1	0a25056-018	01/25/10 15:34
S-SO-56394-CB-011410-041	1000390-PS3	0a25056-019	01/25/10 15:36
S-SO-56394-DR-011310-1011	1001177-12	0a25056-020	01/25/10 15:38
S-SO-56394-CB-011310-028	1001177-13	0a25056-021	01/25/10 15:40
S-SO-56394-CB-011410-040	1001177-14	0a25056-022	01/25/10 15:42
S-SO-56394-CB-011310-026	1001177-15	0a25056-023	01/25/10 15:44
Calibration Check	0A25056-CCV3	0a25056-025	01/25/10 15:48
Calibration Blank	0A25056-CCB3	0a25056-026	01/25/10 15:50
Calibration Check	0A25056-CCV4	0a25056-037	01/25/10 16:11
Calibration Blank	0A25056-CCB4	0a25056-038	01/25/10 16:13

00394

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A20017
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0A20011

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A20017-CCV1	Antimony	0.0400	0.0405	101	mg/L	01/20/10 11:00
0A20017-CCV2	Antimony	0.0400	0.0408	102	mg/L	01/20/10 11:12
0A20017-CCV3	Antimony	0.0400	0.0413	103	mg/L	01/20/10 11:38
0A20017-CCV4	Antimony	0.0400	0.0423	106	mg/L	01/20/10 12:04
0A20017-CCV5	Antimony	0.0400	0.0417	104	mg/L	01/20/10 12:26

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A21031
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0A22003

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A21031-CCV1	Antimony	40.0	37.2	93	ug/L	01/21/10 13:39
	Antimony	40.0	37.2	93	ug/L	01/21/10 13:39
	Arsenic	40.0	40.8	102	ug/L	01/21/10 13:39
	Arsenic	40.0	40.8	102	ug/L	01/21/10 13:39
	Cadmium	40.0	40.4	101	ug/L	01/21/10 13:39
	Cadmium	40.0	40.4	101	ug/L	01/21/10 13:39
	Chromium	40.0	41.3	103	ug/L	01/21/10 13:39
	Chromium	40.0	41.3	103	ug/L	01/21/10 13:39
	Cobalt	40.0	41.2	103	ug/L	01/21/10 13:39
	Cobalt	40.0	41.2	103	ug/L	01/21/10 13:39
	Copper	40.0	40.3	101	ug/L	01/21/10 13:39
	Copper	40.0	40.3	101	ug/L	01/21/10 13:39
	Lead	40.0	40.4	101	ug/L	01/21/10 13:39
	Lead	40.0	40.4	101	ug/L	01/21/10 13:39
	Selenium	40.0	40.2	101	ug/L	01/21/10 13:39
	Selenium	40.0	40.2	101	ug/L	01/21/10 13:39
	Silver	40.0	40.5	101	ug/L	01/21/10 13:39
	Silver	40.0	40.5	101	ug/L	01/21/10 13:39
	Thallium	40.0	39.6	99	ug/L	01/21/10 13:39
	Thallium	40.0	39.6	99	ug/L	01/21/10 13:39
	Vanadium	40.0	39.3	98	ug/L	01/21/10 13:39
	Vanadium	40.0	39.3	98	ug/L	01/21/10 13:39
	Zinc	40.0	40.2	101	ug/L	01/21/10 13:39
0A21031-CCV2	Antimony	40.0	37.8	95	ug/L	01/21/10 14:18
	Antimony	40.0	37.8	95	ug/L	01/21/10 14:18
	Arsenic	40.0	43.0	108	ug/L	01/21/10 14:18
	Arsenic	40.0	43.0	108	ug/L	01/21/10 14:18
	Cadmium	40.0	37.5	94	ug/L	01/21/10 14:18
	Cadmium	40.0	37.5	94	ug/L	01/21/10 14:18
	Chromium	40.0	41.6	104	ug/L	01/21/10 14:18
	Chromium	40.0	41.6	104	ug/L	01/21/10 14:18
	Cobalt	40.0	40.3	101	ug/L	01/21/10 14:18
	Cobalt	40.0	40.3	101	ug/L	01/21/10 14:18
	Copper	40.0	41.6	104	ug/L	01/21/10 14:18
	Copper	40.0	41.6	104	ug/L	01/21/10 14:18
	Lead	40.0	42.0	105	ug/L	01/21/10 14:18
	Lead	40.0	42.0	105	ug/L	01/21/10 14:18
	Selenium	40.0	42.3	106	ug/L	01/21/10 14:18

00396

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A21031
Control Limt: +/- 10.00%

SDG: PM011110
Project: Plainwell Mill
Instrument ID: 114
Calibration: 0A22003

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A21031-CCV2	Selenium	40.0	42.3	106	ug/L	01/21/10 14:18
	Silver	40.0	38.9	97	ug/L	01/21/10 14:18
	Silver	40.0	38.9	97	ug/L	01/21/10 14:18
	Thallium	40.0	39.8	100	ug/L	01/21/10 14:18
	Thallium	40.0	39.8	100	ug/L	01/21/10 14:18
	Vanadium	40.0	38.9	97	ug/L	01/21/10 14:18
	Vanadium	40.0	38.9	97	ug/L	01/21/10 14:18
	Zinc	40.0	40.0	100	ug/L	01/21/10 14:18
0A21031-CCV3	Antimony	40.0	38.5	96	ug/L	01/21/10 15:23
	Antimony	40.0	38.5	96	ug/L	01/21/10 15:23
	Arsenic	40.0	41.4	104	ug/L	01/21/10 15:23
	Arsenic	40.0	41.4	104	ug/L	01/21/10 15:23
	Cadmium	40.0	38.4	96	ug/L	01/21/10 15:23
	Cadmium	40.0	38.4	96	ug/L	01/21/10 15:23
	Chromium	40.0	40.7	102	ug/L	01/21/10 15:23
	Chromium	40.0	40.7	102	ug/L	01/21/10 15:23
	Cobalt	40.0	41.1	103	ug/L	01/21/10 15:23
	Cobalt	40.0	41.1	103	ug/L	01/21/10 15:23
	Copper	40.0	42.0	105	ug/L	01/21/10 15:23
	Copper	40.0	42.0	105	ug/L	01/21/10 15:23
	Lead	40.0	39.7	99	ug/L	01/21/10 15:23
	Lead	40.0	39.7	99	ug/L	01/21/10 15:23
	Selenium	40.0	40.4	101	ug/L	01/21/10 15:23
	Selenium	40.0	40.4	101	ug/L	01/21/10 15:23
	Silver	40.0	39.5	99	ug/L	01/21/10 15:23
	Silver	40.0	39.5	99	ug/L	01/21/10 15:23
	Thallium	40.0	38.9	97	ug/L	01/21/10 15:23
	Thallium	40.0	38.9	97	ug/L	01/21/10 15:23
	Vanadium	40.0	39.9	100	ug/L	01/21/10 15:23
	Vanadium	40.0	39.9	100	ug/L	01/21/10 15:23
	Zinc	40.0	40.6	101	ug/L	01/21/10 15:23
0A21031-CCV4	Antimony	40.0	38.6	97	ug/L	01/21/10 16:34
	Antimony	40.0	38.6	97	ug/L	01/21/10 16:34
	Arsenic	40.0	41.7	104	ug/L	01/21/10 16:34
	Arsenic	40.0	41.7	104	ug/L	01/21/10 16:34
	Cadmium	40.0	39.2	98	ug/L	01/21/10 16:34
	Cadmium	40.0	39.2	98	ug/L	01/21/10 16:34
	Chromium	40.0	41.5	104	ug/L	01/21/10 16:34

00397

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A21031
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0A22003

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A21031-CCV4	Chromium	40.0	41.5	104	ug/L	01/21/10 16:34
	Cobalt	40.0	41.1	103	ug/L	01/21/10 16:34
	Cobalt	40.0	41.1	103	ug/L	01/21/10 16:34
	Copper	40.0	42.4	106	ug/L	01/21/10 16:34
	Copper	40.0	42.4	106	ug/L	01/21/10 16:34
	Lead	40.0	40.5	101	ug/L	01/21/10 16:34
	Lead	40.0	40.5	101	ug/L	01/21/10 16:34
	Selenium	40.0	40.4	101	ug/L	01/21/10 16:34
	Selenium	40.0	40.4	101	ug/L	01/21/10 16:34
	Silver	40.0	39.9	100	ug/L	01/21/10 16:34
	Silver	40.0	39.9	100	ug/L	01/21/10 16:34
	Thallium	40.0	39.0	97	ug/L	01/21/10 16:34
	Thallium	40.0	39.0	97	ug/L	01/21/10 16:34
	Vanadium	40.0	40.3	101	ug/L	01/21/10 16:34
	Vanadium	40.0	40.3	101	ug/L	01/21/10 16:34
	Zinc	40.0	41.2	103	ug/L	01/21/10 16:34

* Values outside of QC limits

00398

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A21053
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0A23001

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A21053-CCV1	Beryllium	40.0	40.4	101	ug/L	01/21/10 18:48
	Beryllium	40.0	40.4	101	ug/L	01/21/10 18:48
	Zinc	40.0	40.7	102	ug/L	01/21/10 18:48
0A21053-CCV2	Beryllium	40.0	39.8	99	ug/L	01/21/10 18:58
	Beryllium	40.0	39.8	99	ug/L	01/21/10 18:58
	Zinc	40.0	40.8	102	ug/L	01/21/10 18:58
0A21053-CCV3	Beryllium	40.0	41.2	103	ug/L	01/21/10 19:23
	Beryllium	40.0	41.2	103	ug/L	01/21/10 19:23
	Zinc	40.0	40.2	101	ug/L	01/21/10 19:23
0A21053-CCV4	Beryllium	40.0	40.1	100	ug/L	01/21/10 19:49
	Beryllium	40.0	40.1	100	ug/L	01/21/10 19:49
	Zinc	40.0	41.1	103	ug/L	01/21/10 19:49

* Values outside of QC limits

00399

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A25028
Instrument ID:201
Control Limt: +/- 10.00%
Calibration: 0A25012

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A25028-CCV1	Arsenic	0.0400	0.0391	98	mg/L	01/25/10 10:53
	Beryllium	0.0400	0.0390	98	mg/L	01/25/10 10:53
	Cadmium	0.0400	0.0397	99	mg/L	01/25/10 10:53
	Chromium	0.0400	0.0394	98	mg/L	01/25/10 10:53
	Cobalt	0.0400	0.0399	100	mg/L	01/25/10 10:53
	Copper	0.0400	0.0399	100	mg/L	01/25/10 10:53
	Lead	0.0400	0.0390	98	mg/L	01/25/10 10:53
	Selenium	0.0400	0.0372	93	mg/L	01/25/10 10:53
	Silver	0.0400	0.0399	100	mg/L	01/25/10 10:53
	Thallium	0.0400	0.0401	100	mg/L	01/25/10 10:53
	Vanadium	0.0400	0.0377	94	mg/L	01/25/10 10:53
	Zinc	0.0400	0.0395	99	mg/L	01/25/10 10:53
0A25028-CCV2	Arsenic	0.0400	0.0398	100	mg/L	01/25/10 11:14
	Beryllium	0.0400	0.0418	105	mg/L	01/25/10 11:14
	Cadmium	0.0400	0.0401	100	mg/L	01/25/10 11:14
	Chromium	0.0400	0.0421	105	mg/L	01/25/10 11:14
	Cobalt	0.0400	0.0413	103	mg/L	01/25/10 11:14
	Copper	0.0400	0.0408	102	mg/L	01/25/10 11:14
	Lead	0.0400	0.0395	99	mg/L	01/25/10 11:14
	Selenium	0.0400	0.0377	94	mg/L	01/25/10 11:14
	Silver	0.0400	0.0404	101	mg/L	01/25/10 11:14
	Thallium	0.0400	0.0399	100	mg/L	01/25/10 11:14
	Vanadium	0.0400	0.0413	103	mg/L	01/25/10 11:14
	Zinc	0.0400	0.0407	102	mg/L	01/25/10 11:14
0A25028-CCV3	Arsenic	0.0400	0.0412	103	mg/L	01/25/10 11:55
	Beryllium	0.0400	0.0387	97	mg/L	01/25/10 11:55
	Cadmium	0.0400	0.0399	100	mg/L	01/25/10 11:55
	Chromium	0.0400	0.0397	99	mg/L	01/25/10 11:55
	Cobalt	0.0400	0.0403	101	mg/L	01/25/10 11:55
	Copper	0.0400	0.0395	99	mg/L	01/25/10 11:55
	Lead	0.0400	0.0399	100	mg/L	01/25/10 11:55
	Selenium	0.0400	0.0387	97	mg/L	01/25/10 11:55
	Silver	0.0400	0.0397	99	mg/L	01/25/10 11:55
	Thallium	0.0400	0.0415	104	mg/L	01/25/10 11:55
	Vanadium	0.0400	0.0384	96	mg/L	01/25/10 11:55
	Zinc	0.0400	0.0397	99	mg/L	01/25/10 11:55
0A25028-CCV4	Arsenic	0.0400	0.0415	104	mg/L	01/25/10 12:35
	Cadmium	0.0400	0.0381	95	mg/L	01/25/10 12:35

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A25028
Instrument ID:201
Control Limt: +/- 10.00%
Calibration: 0A25012

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A25028-CCV4	Chromium	0.0400	0.0389	97	mg/L	01/25/10 12:35
	Cobalt	0.0400	0.0391	98	mg/L	01/25/10 12:35
	Copper	0.0400	0.0392	98	mg/L	01/25/10 12:35
	Lead	0.0400	0.0394	99	mg/L	01/25/10 12:35
	Selenium	0.0400	0.0406	101	mg/L	01/25/10 12:35
	Silver	0.0400	0.0387	97	mg/L	01/25/10 12:35
	Thallium	0.0400	0.0398	99	mg/L	01/25/10 12:35
	Vanadium	0.0400	0.0379	95	mg/L	01/25/10 12:35
	Zinc	0.0400	0.0389	97	mg/L	01/25/10 12:35
0A25028-CCV5	Arsenic	0.0400	0.0406	102	mg/L	01/25/10 13:16
	Cadmium	0.0400	0.0399	100	mg/L	01/25/10 13:16
	Chromium	0.0400	0.0429	107	mg/L	01/25/10 13:16
	Cobalt	0.0400	0.0421	105	mg/L	01/25/10 13:16
	Copper	0.0400	0.0422	105	mg/L	01/25/10 13:16
	Lead	0.0400	0.0398	100	mg/L	01/25/10 13:16
	Selenium	0.0400	0.0376	94	mg/L	01/25/10 13:16
	Silver	0.0400	0.0398	99	mg/L	01/25/10 13:16
	Thallium	0.0400	0.0407	102	mg/L	01/25/10 13:16
	Vanadium	0.0400	0.0416	104	mg/L	01/25/10 13:16
	Zinc	0.0400	0.0418	104	mg/L	01/25/10 13:16
0A25028-CCV6	Arsenic	0.0400	0.0402	101	mg/L	01/25/10 13:30
	Cadmium	0.0400	0.0387	97	mg/L	01/25/10 13:30
	Chromium	0.0400	0.0416	104	mg/L	01/25/10 13:30
	Cobalt	0.0400	0.0407	102	mg/L	01/25/10 13:30
	Copper	0.0400	0.0402	100	mg/L	01/25/10 13:30
	Lead	0.0400	0.0396	99	mg/L	01/25/10 13:30
	Selenium	0.0400	0.0377	94	mg/L	01/25/10 13:30
	Silver	0.0400	0.0395	99	mg/L	01/25/10 13:30
	Thallium	0.0400	0.0404	101	mg/L	01/25/10 13:30
	Vanadium	0.0400	0.0407	102	mg/L	01/25/10 13:30
	Zinc	0.0400	0.0399	100	mg/L	01/25/10 13:30
0A25028-CCV7	Copper	0.0400	0.0403	101	mg/L	01/25/10 14:01
	Lead	0.0400	0.0385	96	mg/L	01/25/10 14:01
	Zinc	0.0400	0.0397	99	mg/L	01/25/10 14:01
0A25028-CCV8	Copper	0.0400	0.0412	103	mg/L	01/25/10 14:18
	Lead	0.0400	0.0400	100	mg/L	01/25/10 14:18
	Zinc	0.0400	0.0404	101	mg/L	01/25/10 14:18

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A25056
Instrument ID: 201
Control Limt: +/- 10.00%
Calibration: 0A26003

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A25056-CCV1	Beryllium	0.0400	0.0384	96	mg/L	01/25/10 15:15
0A25056-CCV2	Beryllium	0.0400	0.0389	97	mg/L	01/25/10 15:24
0A25056-CCV3	Beryllium	0.0400	0.0391	98	mg/L	01/25/10 15:48
0A25056-CCV4	Beryllium	0.0400	0.0379	95	mg/L	01/25/10 16:11

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A20017
Instrument: 114
Laboratory ID: 0A20017-SCV1
Calibration: 0A20011

Analyte	Expected	Found	% R	QC Limit	Units
Antimony	0.0400	0.0405	101	90-110	mg/L

* Values outside of QC limits

00493

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. **SDG:** PM011110

Client: SulTRAC **Project:** Plainwell Mill

Sequence: 0A21031 **Instrument:** 114

Laboratory ID: 0A21031-SCV1 **Calibration:** 0A22003

Analyte	Expected	Found	% R	QC Limit	Units
Antimony	40.0	37.2	93	90-110	ug/L
Antimony	40.0	37.2	93	90-110	ug/L
Arsenic	40.0	40.8	102	90-110	ug/L
Arsenic	40.0	40.8	102	90-110	ug/L
Cadmium	40.0	40.4	101	90-110	ug/L
Cadmium	40.0	40.4	101	90-110	ug/L
Chromium	40.0	41.3	103	90-110	ug/L
Chromium	40.0	41.3	103	90-110	ug/L
Cobalt	40.0	41.2	103	90-110	ug/L
Cobalt	40.0	41.2	103	90-110	ug/L
Copper	40.0	40.3	101	90-110	ug/L
Copper	40.0	40.3	101	90-110	ug/L
Lead	40.0	40.4	101	90-110	ug/L
Lead	40.0	40.4	101	90-110	ug/L
Selenium	40.0	40.2	101	90-110	ug/L
Selenium	40.0	40.2	101	90-110	ug/L
Silver	40.0	40.5	101	90-110	ug/L
Silver	40.0	40.5	101	90-110	ug/L
Thallium	40.0	39.6	99	90-110	ug/L
Thallium	40.0	39.6	99	90-110	ug/L
Vanadium	40.0	39.3	98	90-110	ug/L
Vanadium	40.0	39.3	98	90-110	ug/L
Zinc	40.0	40.2	101	90-110	ug/L

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. **SDG:** PM011110

Client: SulTRAC **Project:** Plainwell Mill

Sequence: 0A21053 **Instrument:** 114

Laboratory ID: 0A21053-SCV1 **Calibration:** 0A23001

Analyte	Expected	Found	% R	QC Limit	Units
Beryllium	40.0	40.4	101	90-110	ug/L
Beryllium	40.0	40.4	101	90-110	ug/L
Zinc	40.0	40.7	102	90-110	ug/L

* Values outside of QC limits

00405

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A25028
Instrument: 201
Laboratory ID: 0A25028-SCV1
Calibration: 0A25012

Analyte	Expected	Found	% R	QC Limit	Units
Arsenic	0.0400	0.0391	98	90-110	mg/L
Beryllium	0.0400	0.0390	98	90-110	mg/L
Cadmium	0.0400	0.0397	99	90-110	mg/L
Chromium	0.0400	0.0394	99	90-110	mg/L
Cobalt	0.0400	0.0399	100	90-110	mg/L
Copper	0.0400	0.0399	100	90-110	mg/L
Lead	0.0400	0.0390	98	90-110	mg/L
Selenium	0.0400	0.0372	93	90-110	mg/L
Silver	0.0400	0.0399	100	90-110	mg/L
Thallium	0.0400	0.0401	100	90-110	mg/L
Vanadium	0.0400	0.0377	94	90-110	mg/L
Zinc	0.0400	0.0395	99	90-110	mg/L

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A25056
Instrument: 201
Laboratory ID: 0A25056-SCV1
Calibration: 0A26003

Analyte	Expected	Found	% R	QC Limit	Units
Beryllium	0.0400	0.0384	96	90-110	mg/L

* Values outside of QC limits

00407

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0A20017

SDG: PM011110

Project: Plainwell Mill

Instrument ID: 114

Calibration: 0A20011

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0A20017-CRL1	Antimony	0.00100	0.00105	105	mg/L	50 - 150

* Values outside of QC limits

09408

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0A21031

Instrument ID: 114

Calibration: 0A22003

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0A21031-CRL1	Cadmium	0.200	0.195	97	ug/L	50 - 150
	Cadmium	0.200	0.195	97	ug/L	50 - 150
	Silver	0.200	0.187	94	ug/L	50 - 150
	Silver	0.200	0.187	94	ug/L	50 - 150
	Thallium	0.200	0.198	99	ug/L	50 - 150
	Thallium	0.200	0.198	99	ug/L	50 - 150
0A21031-CRL2	Antimony	1.00	0.983	98	ug/L	50 - 150
	Antimony	1.00	0.983	98	ug/L	50 - 150
	Arsenic	1.00	1.03	103	ug/L	50 - 150
	Arsenic	1.00	1.03	103	ug/L	50 - 150
	Chromium	1.00	1.03	103	ug/L	50 - 150
	Chromium	1.00	1.03	103	ug/L	50 - 150
	Cobalt	1.00	1.03	103	ug/L	50 - 150
	Cobalt	1.00	1.03	103	ug/L	50 - 150
	Copper	1.00	1.03	103	ug/L	50 - 150
	Copper	1.00	1.03	103	ug/L	50 - 150
	Lead	1.00	1.01	101	ug/L	50 - 150
	Lead	1.00	1.01	101	ug/L	50 - 150
	Selenium	1.00	1.03	103	ug/L	50 - 150
	Selenium	1.00	1.03	103	ug/L	50 - 150
	Thallium	1.00	0.972	97	ug/L	50 - 150
	Thallium	1.00	0.972	97	ug/L	50 - 150
	Vanadium	1.00	0.966	97	ug/L	50 - 150
	Vanadium	1.00	0.966	97	ug/L	50 - 150
0A21031-CRL3	Zinc	10.0	8.73	87	ug/L	50 - 150

* Values outside of QC limits

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0A21053

Instrument ID: 114

Calibration: 0A23001

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0A21053-CRL1	Beryllium	1.00	0.975	98	ug/L	50 - 150
	Beryllium	1.00	0.975	98	ug/L	50 - 150
	Zinc	1.00	1.07	107	ug/L	50 - 150

* Values outside of QC limits

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0A25028

Instrument ID: 201

Calibration: 0A25012

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0A25028-CRL1	Cadmium	0.000200	0.000199	100	mg/L	50 - 150
	Silver	0.000200	0.000199	100	mg/L	50 - 150
	Thallium	0.000200	0.000205	102	mg/L	50 - 150
0A25028-CRL2	Arsenic	0.00100	0.000973	97	mg/L	50 - 150
	Beryllium	0.00100	0.000963	96	mg/L	50 - 150
	Chromium	0.00100	0.00105	105	mg/L	50 - 150
	Cobalt	0.00100	0.00101	101	mg/L	50 - 150
	Copper	0.00100	0.00103	103	mg/L	50 - 150
	Lead	0.00100	0.000995	100	mg/L	50 - 150
	Selenium	0.00100	0.000826	83	mg/L	50 - 150
	Vanadium	0.00100	0.00102	102	mg/L	50 - 150
	Zinc	0.00100	0.00101	101	mg/L	50 - 150

* Values outside of QC limits

2011

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0A25056

SDG: PM011110

Project: Plainwell Mill

Instrument ID: 201

Calibration: 0A26003

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0A25056-CRL1	Beryllium	0.00100	0.00102	102	mg/L	50 - 150

* Values outside of QC limits

00412

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A20017

SDG: PM011110
Project: Plainwell Mill
Instrument ID: 114
Calibration: 0A20011

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A20017-CCB1	Antimony	0.000030	0.00020	0.000090	mg/L	U	01/20/10 11:03
0A20017-CCB2	Antimony	0.000019	0.00020	0.000090	mg/L	U	01/20/10 11:15
0A20017-CCB3	Antimony	0.000024	0.00020	0.000090	mg/L	U	01/20/10 11:41
0A20017-CCB4	Antimony	0.000028	0.00020	0.000090	mg/L	U	01/20/10 12:07
0A20017-CCB5	Antimony	0.000016	0.00020	0.000090	mg/L	U	01/20/10 12:29

* Values outside of QC limits

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A21031

SDG: PM011110
Project: Plainwell Mill
Instrument ID: 114
Calibration: 0A22003

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A21031-CCB1	Antimony	0.089	0.20	0.071	ug/L	J	01/21/10 13:48
	Antimony	0.089	0.20	0.071	ug/L	J	01/21/10 13:48
	Arsenic	0.060	0.20	0.076	ug/L	U	01/21/10 13:48
	Arsenic	0.060	0.20	0.076	ug/L	U	01/21/10 13:48
	Cadmium	0.0019	0.040	0.011	ug/L	U	01/21/10 13:48
	Cadmium	0.0019	0.040	0.011	ug/L	U	01/21/10 13:48
	Chromium	0.012	1.0	0.091	ug/L	U	01/21/10 13:48
	Chromium	0.012	1.0	0.091	ug/L	U	01/21/10 13:48
	Cobalt	0.00052	0.20	0.0084	ug/L	U	01/21/10 13:48
	Cobalt	0.00052	0.20	0.0084	ug/L	U	01/21/10 13:48
	Copper	0.0066	0.40	0.14	ug/L	U	01/21/10 13:48
	Copper	0.0066	0.40	0.14	ug/L	U	01/21/10 13:48
	Lead	0.0028	0.20	0.043	ug/L	U	01/21/10 13:48
	Lead	0.0028	0.20	0.043	ug/L	U	01/21/10 13:48
	Selenium	-0.017	0.40	0.16	ug/L	U	01/21/10 13:48
	Selenium	-0.017	0.40	0.16	ug/L	U	01/21/10 13:48
	Silver	0.0058	0.040	0.012	ug/L	U	01/21/10 13:48
	Silver	0.0058	0.040	0.012	ug/L	U	01/21/10 13:48
	Thallium	0.0012	0.20	0.011	ug/L	U	01/21/10 13:48
	Thallium	0.0012	0.20	0.011	ug/L	U	01/21/10 13:48
	Vanadium	0.011	0.20	0.056	ug/L	U	01/21/10 13:48
	Vanadium	0.011	0.20	0.056	ug/L	U	01/21/10 13:48
	Zinc	0.10	10	0.58	ug/L	U	01/21/10 13:48
0A21031-CCB2	Antimony	0.11	0.20	0.071	ug/L	J	01/21/10 14:25
	Antimony	0.11	0.20	0.071	ug/L	J	01/21/10 14:25
	Arsenic	0.045	0.20	0.076	ug/L	U	01/21/10 14:25
	Arsenic	0.045	0.20	0.076	ug/L	U	01/21/10 14:25
	Cadmium	0.0017	0.040	0.011	ug/L	U	01/21/10 14:25
	Cadmium	0.0017	0.040	0.011	ug/L	U	01/21/10 14:25
	Chromium	-0.027	1.0	0.091	ug/L	U	01/21/10 14:25
	Chromium	-0.027	1.0	0.091	ug/L	U	01/21/10 14:25
	Cobalt	0.00013	0.20	0.0084	ug/L	U	01/21/10 14:25
	Cobalt	0.00013	0.20	0.0084	ug/L	U	01/21/10 14:25

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A21031
Instrument ID: 114
Calibration: 0A22003

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A21031-CCB2	Copper	-0.00023	0.40	0.14	ug/L	U	01/21/10 14:25
	Copper	-0.00023	0.40	0.14	ug/L	U	01/21/10 14:25
	Lead	-0.00024	0.20	0.043	ug/L	U	01/21/10 14:25
	Lead	-0.00024	0.20	0.043	ug/L	U	01/21/10 14:25
	Selenium	-0.012	0.40	0.16	ug/L	U	01/21/10 14:25
	Selenium	-0.012	0.40	0.16	ug/L	U	01/21/10 14:25
	Silver	0.0074	0.040	0.012	ug/L	U	01/21/10 14:25
	Silver	0.0074	0.040	0.012	ug/L	U	01/21/10 14:25
	Thallium	-0.00046	0.20	0.011	ug/L	U	01/21/10 14:25
	Thallium	-0.00046	0.20	0.011	ug/L	U	01/21/10 14:25
	Vanadium	0.0092	0.20	0.056	ug/L	U	01/21/10 14:25
	Vanadium	0.0092	0.20	0.056	ug/L	U	01/21/10 14:25
	Zinc	-0.015	10	0.58	ug/L	U	01/21/10 14:25
0A21031-CCB3	Antimony	0.095	0.20	0.071	ug/L	J	01/21/10 15:30
	Antimony	0.095	0.20	0.071	ug/L	J	01/21/10 15:30
	Arsenic	0.059	0.20	0.076	ug/L	U	01/21/10 15:30
	Arsenic	0.059	0.20	0.076	ug/L	U	01/21/10 15:30
	Cadmium	0.0017	0.040	0.011	ug/L	U	01/21/10 15:30
	Cadmium	0.0017	0.040	0.011	ug/L	U	01/21/10 15:30
	Chromium	0.047	1.0	0.091	ug/L	U	01/21/10 15:30
	Chromium	0.047	1.0	0.091	ug/L	U	01/21/10 15:30
	Cobalt	-0.0000020	0.20	0.0084	ug/L	U	01/21/10 15:30
	Cobalt	-0.0000020	0.20	0.0084	ug/L	U	01/21/10 15:30
	Copper	0.0067	0.40	0.14	ug/L	U	01/21/10 15:30
	Copper	0.0067	0.40	0.14	ug/L	U	01/21/10 15:30
	Lead	-0.00070	0.20	0.043	ug/L	U	01/21/10 15:30
	Lead	-0.00070	0.20	0.043	ug/L	U	01/21/10 15:30
	Selenium	0.044	0.40	0.16	ug/L	U	01/21/10 15:30
	Selenium	0.044	0.40	0.16	ug/L	U	01/21/10 15:30
	Silver	0.0072	0.040	0.012	ug/L	U	01/21/10 15:30
	Silver	0.0072	0.040	0.012	ug/L	U	01/21/10 15:30
	Thallium	-0.00095	0.20	0.011	ug/L	U	01/21/10 15:30
	Thallium	-0.00095	0.20	0.011	ug/L	U	01/21/10 15:30

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A21031
Instrument ID: 114
Calibration: 0A22003

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A21031-CCB3	Vanadium	0.030	0.20	0.056	ug/L	U	01/21/10 15:30
	Vanadium	0.030	0.20	0.056	ug/L	U	01/21/10 15:30
	Zinc	0.047	10	0.58	ug/L	U	01/21/10 15:30
0A21031-CCB4	Antimony	0.095	0.20	0.071	ug/L	J	01/21/10 16:42
	Antimony	0.095	0.20	0.071	ug/L	J	01/21/10 16:42
	Arsenic	0.050	0.20	0.076	ug/L	U	01/21/10 16:42
	Arsenic	0.050	0.20	0.076	ug/L	U	01/21/10 16:42
	Cadmium	0.00089	0.040	0.011	ug/L	U	01/21/10 16:42
	Cadmium	0.00089	0.040	0.011	ug/L	U	01/21/10 16:42
	Chromium	0.056	1.0	0.091	ug/L	U	01/21/10 16:42
	Chromium	0.056	1.0	0.091	ug/L	U	01/21/10 16:42
	Cobalt	0.000058	0.20	0.0084	ug/L	U	01/21/10 16:42
	Cobalt	0.000058	0.20	0.0084	ug/L	U	01/21/10 16:42
	Copper	0.0055	0.40	0.14	ug/L	U	01/21/10 16:42
	Copper	0.0055	0.40	0.14	ug/L	U	01/21/10 16:42
	Lead	-0.0016	0.20	0.043	ug/L	U	01/21/10 16:42
	Lead	-0.0016	0.20	0.043	ug/L	U	01/21/10 16:42
	Selenium	0.0066	0.40	0.16	ug/L	U	01/21/10 16:42
	Selenium	0.0066	0.40	0.16	ug/L	U	01/21/10 16:42
	Silver	0.0059	0.040	0.012	ug/L	U	01/21/10 16:42
	Silver	0.0059	0.040	0.012	ug/L	U	01/21/10 16:42
	Thallium	-0.00055	0.20	0.011	ug/L	U	01/21/10 16:42
	Thallium	-0.00055	0.20	0.011	ug/L	U	01/21/10 16:42
	Vanadium	0.040	0.20	0.056	ug/L	U	01/21/10 16:42
	Vanadium	0.040	0.20	0.056	ug/L	U	01/21/10 16:42
	Zinc	0.064	10	0.58	ug/L	U	01/21/10 16:42

* Values outside of QC limits

00416

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A21053
Instrument ID: 114
Calibration: 0A23001

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A21053-CCB1	Beryllium	-0.0037	0.20	0.060	ug/L	U	01/21/10 18:50
	Beryllium	-0.0037	0.20	0.060	ug/L	U	01/21/10 18:50
	Zinc	-0.011	10	0.58	ug/L	U	01/21/10 18:50
0A21053-CCB2	Beryllium	0.00043	0.20	0.060	ug/L	U	01/21/10 19:00
	Beryllium	0.00043	0.20	0.060	ug/L	U	01/21/10 19:00
	Zinc	0.0088	10	0.58	ug/L	U	01/21/10 19:00
0A21053-CCB3	Beryllium	0.0036	0.20	0.060	ug/L	U	01/21/10 19:25
	Beryllium	0.0036	0.20	0.060	ug/L	U	01/21/10 19:25
	Zinc	0.013	10	0.58	ug/L	U	01/21/10 19:25
0A21053-CCB4	Beryllium	-0.0036	0.20	0.060	ug/L	U	01/21/10 19:51
	Beryllium	-0.0036	0.20	0.060	ug/L	U	01/21/10 19:51
	Zinc	0.0017	10	0.58	ug/L	U	01/21/10 19:51

* Values outside of QC limits

00417

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A25028
Instrument ID: 201
Calibration: 0A25012

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A25028-CCB1	Arsenic	0.000012	0.00020	0.000079	mg/L	U	01/25/10 10:57
	Beryllium	0.000012	0.00020	0.000062	mg/L	U	01/25/10 10:57
	Cadmium	0.0000040	0.00010	0.000015	mg/L	U	01/25/10 10:57
	Chromium	0.000038	0.00040	0.00011	mg/L	U	01/25/10 10:57
	Cobalt	0.0000040	0.00020	0.000016	mg/L	U	01/25/10 10:57
	Copper	0.0000070	0.00020	0.00016	mg/L	U	01/25/10 10:57
	Lead	0.0000050	0.00020	0.00011	mg/L	U	01/25/10 10:57
	Selenium	-0.000011	0.00040	0.00018	mg/L	U	01/25/10 10:57
	Silver	0.000020	0.00010	0.000022	mg/L	U	01/25/10 10:57
	Thallium	0.0000050	0.00010	0.000032	mg/L	U	01/25/10 10:57
	Vanadium	-0.000011	0.00020	0.000079	mg/L	U	01/25/10 10:57
	Zinc	-0.0000030	0.0020	0.00093	mg/L	U	01/25/10 10:57
0A25028-CCB2	Arsenic	0.000014	0.00020	0.000079	mg/L	U	01/25/10 11:17
	Beryllium	-0.0000010	0.00020	0.000062	mg/L	U	01/25/10 11:17
	Cadmium	0.0000030	0.00010	0.000015	mg/L	U	01/25/10 11:17
	Chromium	0.00010	0.00040	0.00011	mg/L	U	01/25/10 11:17
	Cobalt	0.0000030	0.00020	0.000016	mg/L	U	01/25/10 11:17
	Copper	0.0000030	0.00020	0.00016	mg/L	U	01/25/10 11:17
	Lead	0.0000050	0.00020	0.00011	mg/L	U	01/25/10 11:17
	Selenium	0.000026	0.00040	0.00018	mg/L	U	01/25/10 11:17
	Silver	0.000018	0.00010	0.000022	mg/L	U	01/25/10 11:17
	Thallium	0.0000050	0.00010	0.000032	mg/L	U	01/25/10 11:17
	Vanadium	0.000062	0.00020	0.000079	mg/L	U	01/25/10 11:17
	Zinc	-0.0000020	0.0020	0.00093	mg/L	U	01/25/10 11:17
0A25028-CCB3	Arsenic	0.000038	0.00020	0.000079	mg/L	U	01/25/10 11:58
	Beryllium	0.0000050	0.00020	0.000062	mg/L	U	01/25/10 11:58
	Cadmium	0.0000020	0.00010	0.000015	mg/L	U	01/25/10 11:58
	Chromium	0.00014	0.00040	0.00011	mg/L	J	01/25/10 11:58
	Cobalt	0.0000020	0.00020	0.000016	mg/L	U	01/25/10 11:58
	Copper	0.0000050	0.00020	0.00016	mg/L	U	01/25/10 11:58
	Lead	0.0000050	0.00020	0.00011	mg/L	U	01/25/10 11:58
	Selenium	-0.000039	0.00040	0.00018	mg/L	U	01/25/10 11:58
	Silver	0.000015	0.00010	0.000022	mg/L	U	01/25/10 11:58

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A25028
Instrument ID: 201
Calibration: 0A25012

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A25028-CCB3	Thallium	0.0000030	0.00010	0.000032	mg/L	U	01/25/10 11:58
	Vanadium	0.000032	0.00020	0.000079	mg/L	U	01/25/10 11:58
	Zinc	-0.000013	0.0020	0.00093	mg/L	U	01/25/10 11:58
0A25028-CCB4	Arsenic	0.000039	0.00020	0.000079	mg/L	U	01/25/10 12:39
	Cadmium	0.0000030	0.00010	0.000015	mg/L	U	01/25/10 12:39
	Chromium	0.00012	0.00040	0.00011	mg/L	J	01/25/10 12:39
	Cobalt	0.0000020	0.00020	0.000016	mg/L	U	01/25/10 12:39
	Copper	0.0000060	0.00020	0.00016	mg/L	U	01/25/10 12:39
	Lead	0.0000060	0.00020	0.00011	mg/L	U	01/25/10 12:39
	Selenium	0.000043	0.00040	0.00018	mg/L	U	01/25/10 12:39
	Silver	0.000019	0.00010	0.000022	mg/L	U	01/25/10 12:39
	Thallium	0.0000040	0.00010	0.000032	mg/L	U	01/25/10 12:39
	Vanadium	0.000044	0.00020	0.000079	mg/L	U	01/25/10 12:39
	Zinc	-0.000020	0.0020	0.00093	mg/L	U	01/25/10 12:39
0A25028-CCB5	Arsenic	0.000015	0.00020	0.000079	mg/L	U	01/25/10 13:19
	Cadmium	0.0000020	0.00010	0.000015	mg/L	U	01/25/10 13:19
	Chromium	0.000083	0.00040	0.00011	mg/L	U	01/25/10 13:19
	Cobalt	0.0000020	0.00020	0.000016	mg/L	U	01/25/10 13:19
	Copper	0.000015	0.00020	0.00016	mg/L	U	01/25/10 13:19
	Lead	0.0000050	0.00020	0.00011	mg/L	U	01/25/10 13:19
	Selenium	-0.000026	0.00040	0.00018	mg/L	U	01/25/10 13:19
	Silver	0.000017	0.00010	0.000022	mg/L	U	01/25/10 13:19
	Thallium	0.0000040	0.00010	0.000032	mg/L	U	01/25/10 13:19
	Vanadium	0.000034	0.00020	0.000079	mg/L	U	01/25/10 13:19
	Zinc	-0.000018	0.0020	0.00093	mg/L	U	01/25/10 13:19
0A25028-CCB6	Arsenic	0.000021	0.00020	0.000079	mg/L	U	01/25/10 13:33
	Cadmium	0.0000030	0.00010	0.000015	mg/L	U	01/25/10 13:33
	Chromium	0.00019	0.00040	0.00011	mg/L	J	01/25/10 13:33
	Cobalt	0.0000020	0.00020	0.000016	mg/L	U	01/25/10 13:33
	Copper	0.000013	0.00020	0.00016	mg/L	U	01/25/10 13:33
	Lead	0.0000050	0.00020	0.00011	mg/L	U	01/25/10 13:33
	Selenium	-0.000015	0.00040	0.00018	mg/L	U	01/25/10 13:33
	Silver	0.000020	0.00010	0.000022	mg/L	U	01/25/10 13:33

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A25028
Instrument ID: 201
Calibration: 0A25012

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A25028-CCB6	Thallium	0.0000030	0.00010	0.000032	mg/L	U	01/25/10 13:33
	Vanadium	0.000057	0.00020	0.000079	mg/L	U	01/25/10 13:33
	Zinc	-0.000014	0.0020	0.00093	mg/L	U	01/25/10 13:33
0A25028-CCB7	Copper	0.000011	0.00020	0.00016	mg/L	U	01/25/10 14:04
	Lead	0.0000060	0.00020	0.00011	mg/L	U	01/25/10 14:04
	Zinc	-0.000011	0.0020	0.00093	mg/L	U	01/25/10 14:04
0A25028-CCB8	Copper	0.0000070	0.00020	0.00016	mg/L	U	01/25/10 14:20
	Lead	0.0000060	0.00020	0.00011	mg/L	U	01/25/10 14:20
	Zinc	-0.000019	0.0020	0.00093	mg/L	U	01/25/10 14:20

* Values outside of QC limits

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A25056

SDG: PM011110
Project: Plainwell Mill
Instrument ID: 201
Calibration: 0A26003

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A25056-CCB1	Beryllium	0.0000030	0.00020	0.000062	mg/L	U	01/25/10 15:17
0A25056-CCB2	Beryllium	0.000011	0.00020	0.000062	mg/L	U	01/25/10 15:26
0A25056-CCB3	Beryllium	0.000011	0.00020	0.000062	mg/L	U	01/25/10 15:50
0A25056-CCB4	Beryllium	-0.0000010	0.00020	0.000062	mg/L	U	01/25/10 16:13

* Values outside of QC limits

29421

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0A20017

SDG: PM011110

Project: Plainwell Mill

Instrument ID: 114

Calibration: 0A20011

Lab Sample ID	Analyte	True	Found	%R	Units
0A20017-IFA1	Antimony	0.00	0.0000280		mg/L
0A20017-IFB1	Antimony	0.0200	0.0208	104	mg/L

* Values outside of QC limits

00422

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0A21031

SDG: PM011110

Project: Plainwell Mill

Instrument ID: 114

Calibration: 0A22003

Lab Sample ID	Analyte	True	Found	%R	Units
0A21031-IFA1	Antimony	0.00	0.103		ug/L
	Antimony	0.00	0.103		ug/L
	Arsenic	0.00	0.0478		ug/L
	Arsenic	0.00	0.0478		ug/L
	Cadmium	0.00	-0.0187		ug/L
	Cadmium	0.00	-0.0187		ug/L
	Chromium	0.00	0.298		ug/L
	Chromium	0.00	0.298		ug/L
	Cobalt	0.00	0.00938		ug/L
	Cobalt	0.00	0.00938		ug/L
	Copper	0.00	0.293		ug/L
	Copper	0.00	0.293		ug/L
	Lead	0.00	0.0186		ug/L
	Lead	0.00	0.0186		ug/L
	Selenium	0.00	-0.0538		ug/L
	Selenium	0.00	-0.0538		ug/L
	Silver	0.00	0.0379		ug/L
	Silver	0.00	0.0379		ug/L
	Thallium	0.00	0.00216		ug/L
	Thallium	0.00	0.00216		ug/L
	Vanadium	0.00	-0.0262		ug/L
	Vanadium	0.00	-0.0262		ug/L
	Zinc	0.00	0.0566		ug/L
0A21031-IFB1	Antimony	20.0	20.7	103	ug/L
	Antimony	20.0	20.7	103	ug/L
	Arsenic	20.0	20.3	102	ug/L
	Arsenic	20.0	20.3	102	ug/L
	Cadmium	20.0	19.8	99	ug/L
	Cadmium	20.0	19.8	99	ug/L

00423

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0A21031

SDG: PM011110

Project: Plainwell Mill

Instrument ID: 114

Calibration: 0A22003

Lab Sample ID	Analyte	True	Found	%R	Units
0A21031-IFB1	Chromium	20.0	19.1	96	ug/L
	Chromium	20.0	19.1	96	ug/L
	Cobalt	20.0	19.1	96	ug/L
	Cobalt	20.0	19.1	96	ug/L
	Copper	20.0	20.0	100	ug/L
	Copper	20.0	20.0	100	ug/L
	Lead	20.0	19.6	98	ug/L
	Lead	20.0	19.6	98	ug/L
	Selenium	20.0	18.5	93	ug/L
	Selenium	20.0	18.5	93	ug/L
	Silver	20.0	19.5	98	ug/L
	Silver	20.0	19.5	98	ug/L
	Thallium	20.0	19.2	96	ug/L
	Thallium	20.0	19.2	96	ug/L
	Vanadium	20.0	19.7	99	ug/L
	Vanadium	20.0	19.7	99	ug/L
	Zinc	20.0	20.3	102	ug/L

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0A21053

SDG: PM011110

Project: Plainwell Mill

Instrument ID: 114

Calibration: 0A23001

Lab Sample ID	Analyte	True	Found	%R	Units
0A21053-IFA1	Beryllium	0.00	-0.00251		ug/L
	Beryllium	0.00	-0.00251		ug/L
	Zinc	0.00	0.0389		ug/L
0A21053-IFB1	Beryllium	20.0	20.5	103	ug/L
	Beryllium	20.0	20.5	103	ug/L
	Zinc	20.0	20.0	100	ug/L

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0A25028

SDG: PM011110

Project: Plainwell Mill

Instrument ID: 201

Calibration: 0A25012

Lab Sample ID	Analyte	True	Found	%R	Units
0A25028-IFA1	Arsenic	0.00	-0.0000130		mg/L
	Beryllium	0.00	-0.00000200		mg/L
	Cadmium	0.00	0.000280		mg/L
	Chromium	0.00	0.000281		mg/L
	Cobalt	0.00	0.0000110		mg/L
	Copper	0.00	0.000296		mg/L
	Lead	0.00	0.0000110		mg/L
	Selenium	0.00	0.0000340		mg/L
	Silver	0.00	0.0000140		mg/L
	Thallium	0.00	0.00000200		mg/L
	Vanadium	0.00	0.0000500		mg/L
	Zinc	0.00	0.00162		mg/L
0A25028-IFB1	Arsenic	0.0200	0.0195	98	mg/L
	Beryllium	0.0200	0.0212	106	mg/L
	Cadmium	0.0200	0.0201	100	mg/L
	Chromium	0.0200	0.0217	109	mg/L
	Cobalt	0.0200	0.0206	103	mg/L
	Copper	0.0200	0.0198	99	mg/L
	Lead	0.0200	0.0192	96	mg/L
	Selenium	0.0200	0.0182	91	mg/L
	Silver	0.0200	0.0195	98	mg/L
	Thallium	0.0200	0.0198	99	mg/L
	Vanadium	0.0200	0.0213	106	mg/L
	Zinc	0.0200	0.0215	107	mg/L

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0A25056

SDG: PM011110

Project: Plainwell Mill

Instrument ID: 201

Calibration: 0A26003

Lab Sample ID	Analyte	True	Found	%R	Units
0A25056-IFA1	Beryllium	0.00	0.00000600		mg/L
0A25056-IFB1	Beryllium	0.0200	0.0185	93	mg/L

* Values outside of QC limits

09427

QC BATCH SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011110

Client: SulTRAC Project: Plainwell Mill

QC Batch: 1000385 QC Batch Matrix: Water Preparation: 3020A Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000385-BLK1	01/18/10 07:00	
Blank	1000385-BLK2	01/18/10 07:00	
LCS	1000385-BS1	01/18/10 07:00	
LCS	1000385-BS2	01/18/10 07:00	
S-VAS-56394-DR-011410-1013	1000385-MS1	01/18/10 07:00	
S-VAS-56394-DR-011410-1013	1000385-MS2	01/18/10 07:00	
S-VAS-56394-DR-011410-1013	1000385-MSD1	01/18/10 07:00	
S-VAS-56394-DR-011410-1013	1000385-MSD2	01/18/10 07:00	
S-VAS-56394-DR-011410-1013	1000385-PS1	01/21/10 13:15	[Spk] 25mL->125mL; 10mL->10mL; Spiked 10mL
S-VAS-56394-DR-011410-1013	1000385-PS2	01/21/10 13:15	[Spk] 25mL->125mL; 10mL->10mL; Spiked 10mL
S-VAS-56394-DR-011110-1001	1001142-01	01/18/10 07:00	
S-VAS-56394-DR-011410-1013	1001177-06	01/18/10 07:00	
SD-VAS-56394-DR-011310-1008	1001177-08	01/18/10 07:00	
S-VAS-56394-DR-011310-1008	1001177-10	01/18/10 07:00	

00428

QC BATCH SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011110

Client: SulTRAC Project: Plainwell Mill

QC Batch: 1000386 QC Batch Matrix: Water Preparation: General Metals Prep

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000386-BLK1	01/18/10 07:00	
Blank	1000386-BLK2	01/18/10 07:00	
LCS	1000386-BS1	01/18/10 07:00	
LCS	1000386-BS2	01/18/10 07:00	
S-VAS-56394-DR-011410-1013	1000386-MS1	01/18/10 07:00	
S-VAS-56394-DR-011410-1013	1000386-MS2	01/18/10 07:00	
S-VAS-56394-DR-011410-1013	1000386-MSD1	01/18/10 07:00	
S-VAS-56394-DR-011410-1013	1000386-MSD2	01/18/10 07:00	
S-VAS-56394-DR-011410-1013	1000386-PS1	01/21/10 13:15	[Spk] 25mL->125mL; 10mL->10mL; Spiked 10mL
S-VAS-56394-DR-011410-1013	1000386-PS2	01/21/10 13:15	[Spk] 25mL->125mL; 10mL->10mL; Spiked 10mL
S-VAS-56394-DR-011110-1001	1001142-01	01/18/10 07:00	
S-VAS-56394-DR-011410-1013	1001177-07	01/18/10 07:00	
SD-VAS-56394-DR-011310-1008	1001177-09	01/18/10 07:00	
S-VAS-56394-DR-011310-1008	1001177-11	01/18/10 07:00	

00429

QC BATCH SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011110

Client: SulTRAC Project: Plainwell Mill

QC Batch: 1000390 QC Batch Matrix: Soil Preparation: 3050B Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000390-BLK1	01/18/10 07:00	
LCS	1000390-BS1	01/18/10 07:00	
S-SO-56394-CB-011410-041	1000390-MS1	01/18/10 07:00	
S-SO-56394-CB-011410-041	1000390-MS2	01/18/10 07:00	
S-SO-56394-CB-011410-041	1000390-MSD1	01/18/10 07:00	
S-SO-56394-CB-011410-041	1000390-MSD2	01/18/10 07:00	
S-SO-56394-CB-011410-041	1000390-PS1	01/25/10 10:30	[Spk] 0.5022g->250mL; 10mL->10mL; Spiked 10mL
S-SO-56394-CB-011410-041	1000390-PS2	01/25/10 10:30	[Spk] 0.5022g->250mL; 10mL->10mL; Spiked 10mL
S-SO-56394-CB-011410-041	1000390-PS3	01/25/10 10:30	[Spk] 0.5022g->250mL; 10mL->10mL; Spiked 10mL
S-SO-56394-CB-011110-003	1001142-02	01/18/10 07:00	
S-SS-56394-EV-011210-011	1001142-03	01/18/10 07:00	
S-SO-56394-CB-011210-015	1001142-04	01/18/10 07:00	
S-SS-56394-EV-011310-021	1001177-01	01/18/10 07:00	
S-SO-56394-CB-011410-033	1001177-02	01/18/10 07:00	
SD-SO-56394-CB-011410-033	1001177-03	01/18/10 07:00	
S-SO-56394-CB-011410-046	1001177-04	01/18/10 07:00	
S-SO-56394-CB-011410-041	1001177-05	01/18/10 07:00	
S-SO-56394-DR-011310-1011	1001177-12	01/18/10 07:00	
S-SO-56394-CB-011310-028	1001177-13	01/18/10 07:00	
S-SO-56394-CB-011410-040	1001177-14	01/18/10 07:00	
S-SO-56394-CB-011310-026	1001177-15	01/18/10 07:00	

00439

QC BATCH SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011110

Client: SulTRAC Project: Plainwell Mill

QC Batch: 1000411 QC Batch Matrix: Soil Preparation: 3050B Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000411-BLK1	01/18/10 10:15	
LCS	1000411-BS1	01/18/10 10:15	
S-SO-56394-CB-011410-041	1000411-MS1	01/18/10 10:15	
S-SO-56394-CB-011410-041	1000411-MSD1	01/18/10 10:15	
S-SO-56394-CB-011410-041	1000411-PS1	01/20/10 10:30	[Spk] 0.5073g->250mL; 5mL->5mL; Spiked 5mL
S-SO-56394-CB-011110-003	1001142-02	01/18/10 10:15	
S-SS-56394-EV-011210-011	1001142-03	01/18/10 10:15	
S-SO-56394-CB-011210-015	1001142-04	01/18/10 10:15	
S-SS-56394-EV-011310-021	1001177-01	01/18/10 10:15	
S-SO-56394-CB-011410-033	1001177-02	01/18/10 10:15	
SD-SO-56394-CB-011410-033	1001177-03	01/18/10 10:15	
S-SO-56394-CB-011410-046	1001177-04	01/18/10 10:15	
S-SO-56394-CB-011410-041	1001177-05	01/18/10 10:15	
S-SO-56394-DR-011310-1011	1001177-12	01/18/10 10:15	
S-SO-56394-CB-011310-028	1001177-13	01/18/10 10:15	
S-SO-56394-CB-011410-040	1001177-14	01/18/10 10:15	
S-SO-56394-CB-011310-026	1001177-15	01/18/10 10:15	

00431

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
Laboratory ID: 1000385-BLK1
File ID: 0a21031-020
Prepared: 01/15/10 15:18
Preparation: 3020A Digestion
Initial/Final: 25 mL / 125 mL
Analyzed: 01/21/10 14:29
Instrument: 114
QC Batch: 1000385
Sequence: 0A21031
Calibration: 0A22003

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-36-0	Antimony, Total	0.40	1.0	1.0	ug/L	U
7440-38-2	Arsenic, Total	0.39	1.0	1.0	ug/L	U
7440-43-9	Cadmium, Total	0.060	0.20	0.20	ug/L	U
7440-47-3	Chromium, Total	0.34	5.0	0.35	ug/L	J
7440-48-4	Cobalt, Total	0.036	1.0	1.0	ug/L	U
7440-50-8	Copper, Total	0.26	2.0	2.0	ug/L	U
7439-92-1	Lead, Total	0.26	1.0	1.0	ug/L	U
7782-49-2	Selenium, Total	0.40	2.0	2.0	ug/L	U
7440-22-4	Silver, Total	0.053	0.20	0.20	ug/L	U
7440-28-0	Thallium, Total	0.050	1.0	1.0	ug/L	U
7440-62-2	Vanadium, Total	0.30	1.0	1.0	ug/L	U
7440-66-6	Zinc, Total	2.0	50	8.7	ug/L	J

00432

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
Laboratory ID: 1000385-BLK2
File ID: 0a21053-019
Prepared: 01/15/10 15:18
Preparation: 3020A Digestion
Initial/Final: 25 mL / 125 mL
Analyzed: 01/21/10 19:02
Instrument: 114
QC Batch: 1000385
Sequence: 0A21053
Calibration: 0A23001

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-41-7	Beryllium, Total	0.31	1.0	1.0	ug/L	U

00439

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
Laboratory ID: 1000386-BLK1
File ID: 0a21031-032
Prepared: 01/18/10 07:00
Preparation: General Metals Prep
Initial/Final: 25 mL / 125 mL
Analyzed: 01/21/10 15:43
Instrument: 114
QC Batch: 1000386
Sequence: 0A21031
Calibration: 0A22003

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-36-0	Antimony, Dissolved	0.40	1.0	1.0	ug/L	U
7440-38-2	Arsenic, Dissolved	0.39	1.0	1.0	ug/L	U
7440-43-9	Cadmium, Dissolved	0.060	0.20	0.20	ug/L	U
7440-47-3	Chromium, Dissolved	0.34	5.0	0.41	ug/L	J
7440-48-4	Cobalt, Dissolved	0.036	1.0	1.0	ug/L	U
7440-50-8	Copper, Dissolved	0.26	2.0	2.0	ug/L	U
7439-92-1	Lead, Dissolved	0.26	1.0	1.0	ug/L	U
7782-49-2	Selenium, Dissolved	0.40	2.0	2.0	ug/L	U
7440-22-4	Silver, Dissolved	0.053	0.20	0.20	ug/L	U
7440-28-0	Thallium, Dissolved	0.050	1.0	1.0	ug/L	U
7440-62-2	Vanadium, Dissolved	0.30	1.0	1.0	ug/L	U

00434

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
Laboratory ID: 1000386-BLK2
File ID: 0a21053-031
Prepared: 01/18/10 07:00
Preparation: General Metals Prep
Initial/Final: 25 mL / 125 mL
Analyzed: 01/21/10 19:28
Instrument: 114
QC Batch: 1000386
Sequence: 0A21053
Calibration: 0A23001

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-41-7	Beryllium, Dissolved	0.31	1.0	1.0	ug/L	U
7440-66-6	Zinc, Dissolved	2.0	50	50	ug/L	U

00435

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000390-BLK1
File ID: 0a25028-017
Prepared: 01/18/10 07:00
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 250 mL
Analyzed: 01/25/10 11:20
Instrument: 201
QC Batch: 1000390
Sequence: 0A25028
Calibration: 0A25012

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-38-2	Arsenic, Total	0.030	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	0.0053	0.050	0.050	mg/kg dry wt.	U
7440-47-3	Chromium, Total	0.045	0.20	0.10	mg/kg dry wt.	J
7440-48-4	Cobalt, Total	0.017	0.10	0.10	mg/kg dry wt.	U
7440-50-8	Copper, Total	0.043	0.10	0.10	mg/kg dry wt.	U
7439-92-1	Lead, Total	0.049	0.10	0.10	mg/kg dry wt.	U
7782-49-2	Selenium, Total	0.049	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	0.0061	0.050	0.050	mg/kg dry wt.	U
7440-62-2	Vanadium, Total	0.032	0.10	0.040	mg/kg dry wt.	J
7440-66-6	Zinc, Total	0.44	1.0	1.0	mg/kg dry wt.	U

00436

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000411-BLK1
File ID: 0a20017-015
Prepared: 01/18/10 10:15
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 250 mL
Analyzed: 01/20/10 11:17
Instrument: 114
QC Batch: 1000411
Sequence: 0A20017
Calibration: 0A20011

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-36-0	Antimony, Total	0.037	0.10	0.10	mg/kg dry wt.	U

00437

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

-VAS-56394-DR-011410-101

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

SDG: PM011110

Project: Plainwell Mill

Preparation: 3020A Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1000385-MS1

QC Batch: 1000385

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Antimony, Total	50.0	0.547	49.6	98	75 - 125	ug/L
Arsenic, Total	50.0	6.09	54.9	98	75 - 125	ug/L
Cadmium, Total	50.0	0.101	47.5	95	75 - 125	ug/L
Chromium, Total	50.0	5.89	55.8	100	75 - 125	ug/L
Cobalt, Total	50.0	2.28	50.3	96	75 - 125	ug/L
Copper, Total	50.0	7.14	55.6	97	75 - 125	ug/L
Lead, Total	50.0	4.71	54.2	99	75 - 125	ug/L
Selenium, Total	50.0	ND	45.2	90	75 - 125	ug/L
Silver, Total	50.0	0.0567	47.0	94	75 - 125	ug/L
Thallium, Total	50.0	ND	48.5	97	75 - 125	ug/L
Vanadium, Total	50.0	4.88	55.2	101	75 - 125	ug/L
Zinc, Total	50.0	18.4	67.0	97	75 - 125	ug/L

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

* Values outside of QC limits

9838

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6020A

-VAS-56394-DR-011410-101

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

SDG: PM011110

Project: Plainwell Mill

Preparation: 3020A Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1000385-MSD1

QC Batch: 1000385

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Antimony, Total	50.0	47.9	95	4	20	75 - 125	ug/L
Arsenic, Total	50.0	53.0	94	4	20	75 - 125	ug/L
Cadmium, Total	50.0	45.7	91	4	20	75 - 125	ug/L
Chromium, Total	50.0	53.6	96	4	20	75 - 125	ug/L
Cobalt, Total	50.0	48.6	93	3	20	75 - 125	ug/L
Copper, Total	50.0	53.9	93	3	20	75 - 125	ug/L
Lead, Total	50.0	53.3	97	2	20	75 - 125	ug/L
Selenium, Total	50.0	44.0	88	3	20	75 - 125	ug/L
Silver, Total	50.0	45.8	91	2	20	75 - 125	ug/L
Thallium, Total	50.0	47.2	94	3	20	75 - 125	ug/L
Vanadium, Total	50.0	52.6	96	5	20	75 - 125	ug/L
Zinc, Total	50.0	63.6	90	5	20	75 - 125	ug/L

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

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

-VAS-56394-DR-011410-101

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

SDG: PM011110

Project: Plainwell Mill

Preparation: 3020A Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1000385-MS2

QC Batch: 1000385

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Beryllium, Total	50.0	ND	48.0	96	75 - 125	ug/L

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

* Values outside of QC limits

00449

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6020A

-VAS-56394-DR-011410-101

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

SDG: PM011110

Project: Plainwell Mill

Preparation: 3020A Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1000385-MSD2

QC Batch: 1000385

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Beryllium, Total	50.0	47.3	95	2	20	75 - 125	ug/L

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

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6020A

-VAS-56394-DR-011410-101

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

SDG: PM011110

Project: Plainwell Mill

Preparation: General Metals Prep

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1000386-MS1

QC Batch: 1000386

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Antimony, Dissolved	50.0	0.426	48.6	96	75 - 125	ug/L
Arsenic, Dissolved	50.0	1.10	45.3	89	75 - 125	ug/L
Cadmium, Dissolved	50.0	ND	42.4	85	75 - 125	ug/L
Chromium, Dissolved	50.0	0.767	46.1	91	75 - 125	ug/L
Cobalt, Dissolved	50.0	0.476	44.7	88	75 - 125	ug/L
Copper, Dissolved	50.0	1.02	45.5	89	75 - 125	ug/L
Lead, Dissolved	50.0	ND	45.5	91	75 - 125	ug/L
Selenium, Dissolved	50.0	ND	42.2	84	75 - 125	ug/L
Silver, Dissolved	50.0	ND	43.3	87	75 - 125	ug/L
Thallium, Dissolved	50.0	ND	44.8	90	75 - 125	ug/L
Vanadium, Dissolved	50.0	0.429	45.8	91	75 - 125	ug/L

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

* Values outside of QC limits

00442

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6020A

-VAS-56394-DR-011410-101

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

SDG: PM011110

Project: Plainwell Mill

Preparation: General Metals Prep

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1000386-MSD1

QC Batch: 1000386

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Antimony, Dissolved	50.0	50.0	99	3	20	75 - 125	ug/L
Arsenic, Dissolved	50.0	48.1	94	6	20	75 - 125	ug/L
Cadmium, Dissolved	50.0	45.9	92	8	20	75 - 125	ug/L
Chromium, Dissolved	50.0	49.2	97	6	20	75 - 125	ug/L
Cobalt, Dissolved	50.0	47.3	94	6	20	75 - 125	ug/L
Copper, Dissolved	50.0	49.0	96	7	20	75 - 125	ug/L
Lead, Dissolved	50.0	47.1	94	4	20	75 - 125	ug/L
Selenium, Dissolved	50.0	44.1	88	4	20	75 - 125	ug/L
Silver, Dissolved	50.0	46.0	92	6	20	75 - 125	ug/L
Thallium, Dissolved	50.0	45.5	91	2	20	75 - 125	ug/L
Vanadium, Dissolved	50.0	48.7	97	6	20	75 - 125	ug/L

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

* Values outside of QC limits

00443

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6020A

-VAS-56394-DR-011410-101

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

SDG: PM011110

Project: Plainwell Mill

Preparation: General Metals Prep

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1000386-MS2

QC Batch: 1000386

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Beryllium, Dissolved	50.0	ND	44.2	88	75 - 125	ug/L
Zinc, Dissolved	50.0	8.82	48.1	78	75 - 125	ug/L

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

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6020A

-VAS-56394-DR-011410-101

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

SDG: PM011110

Project: Plainwell Mill

Preparation: General Metals Prep

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1000386-MSD2

QC Batch: 1000386

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Beryllium, Dissolved	50.0	47.2	94	6	20	75 - 125	ug/L
Zinc, Dissolved	50.0	51.3	85	7	20	75 - 125	ug/L

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

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6020A

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5046 g / 250 mL

Laboratory ID: 1000390-MS1

QC Batch: 1000390

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Arsenic, Total	19.8	7.75	26.1	93	75 - 125	mg/kg dry wt.
Cadmium, Total	19.8	0.173	17.5	88	75 - 125	mg/kg dry wt.
Chromium, Total	19.8	8.68	27.7	96	75 - 125	mg/kg dry wt.
Cobalt, Total	19.8	4.44	22.2	90	75 - 125	mg/kg dry wt.
Copper, Total	19.8	23.4	43.4	101	75 - 125	mg/kg dry wt.
Lead, Total	19.8	41.4	60.9	99	75 - 125	mg/kg dry wt.
Selenium, Total	19.8	0.308	16.5	82	75 - 125	mg/kg dry wt.
Silver, Total	19.8	0.0513	17.6	89	75 - 125	mg/kg dry wt.
Thallium, Total	19.8	0.129	17.4	87	75 - 125	mg/kg dry wt.
Vanadium, Total	19.8	12.2	33.1	105	75 - 125	mg/kg dry wt.
Zinc, Total	19.8	46.8	71.2	123	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-011410-041

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5034 g / 250 mL

Laboratory ID: 1000390-MSD1

QC Batch: 1000390

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Arsenic, Total	19.9	24.3	83	7	20	75 - 125	mg/kg dry wt.
Cadmium, Total	19.9	17.4	87	0.9	20	75 - 125	mg/kg dry wt.
Chromium, Total	19.9	27.6	95	0.3	20	75 - 125	mg/kg dry wt.
Cobalt, Total	19.9	22.1	89	0.6	20	75 - 125	mg/kg dry wt.
Copper, Total	19.9	37.2	70 *	15	20	75 - 125	mg/kg dry wt.
Lead, Total	19.9	48.4	36 *	23 *	20	75 - 125	mg/kg dry wt.
Selenium, Total	19.9	16.3	80	1	20	75 - 125	mg/kg dry wt.
Silver, Total	19.9	17.3	87	2	20	75 - 125	mg/kg dry wt.
Thallium, Total	19.9	17.7	89	2	20	75 - 125	mg/kg dry wt.
Vanadium, Total	19.9	31.5	97	5	20	75 - 125	mg/kg dry wt.
Zinc, Total	19.9	60.3	68 *	17	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

DRAFT

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6020A

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5046 g / 250 mL

Laboratory ID: 1000390-MS2

QC Batch: 1000390

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Beryllium, Total	19.8	0.668	18.3	89	75 - 125	mg/kg dry wt.

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

* Values outside of QC limits

DRAFT

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011410-041

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5034 g / 250 mL

Laboratory ID: 1000390-MSD2

QC Batch: 1000390

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Beryllium, Total	19.9	18.1	88	1	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

00449

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011410-041

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5024 g / 250 mL

Laboratory ID: 1000411-MS1

QC Batch: 1000411

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Antimony, Total	19.9	0.705	19.4	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

00458

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011410-041

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110

Project: Plainwell Mill

Preparation: 3050B Digestion

Initial/Final: 0.5483 g / 250 mL

Laboratory ID: 1000411-MSD1

QC Batch: 1000411

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Antimony, Total	18.2	18.0	95	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

20451

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

-VAS-56394-DR-011410-101

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
% Solids:
Laboratory ID: 1000385-PS1
Lab Source ID: 1001177-06

SDG: PM011110
Project: Plainwell Mill
Preparation: 3020A Digestion
Initial/Final: 2 mL / 10 mL
QC Batch: 1000385
Sequence: 0A21031

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Antimony, Total	80 - 120	18.7	0.109	20.0	93	ug/L
Arsenic, Total	80 - 120	20.7	1.22	20.0	98	ug/L
Cadmium, Total	80 - 120	18.9	0.0203	20.0	95	ug/L
Chromium, Total	80 - 120	21.1	1.18	20.0	100	ug/L
Cobalt, Total	80 - 120	19.8	0.456	20.0	97	ug/L
Copper, Total	80 - 120	20.8	1.43	20.0	97	ug/L
Lead, Total	80 - 120	20.7	0.941	20.0	99	ug/L
Selenium, Total	80 - 120	18.7	0.0397	20.0	93	ug/L
Silver, Total	80 - 120	19.4	0.0113	20.0	97	ug/L
Thallium, Total	80 - 120	19.1	0.00679	20.0	96	ug/L
Vanadium, Total	80 - 120	21.0	0.976	20.0	100	ug/L
Zinc, Total	80 - 120	22.2	3.67	20.0	93	ug/L

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

-VAS-56394-DR-011410-101

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
% Solids:
Laboratory ID: 1000385-PS2
Lab Source ID: 1001177-06

SDG: PM011110
Project: Plainwell Mill
Preparation: 3020A Digestion
Initial/Final: 2 mL / 10 mL
QC Batch: 1000385
Sequence: 0A21053

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Beryllium, Total	80 - 120	19.5	0.0199	20.0	97	ug/L

* Values outside of QC limits

99453

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

-VAS-56394-DR-011410-101

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
% Solids:
Laboratory ID: 1000386-PS1
Lab Source ID: 1001177-07

SDG: PM011110
Project: Plainwell Mill
Preparation: General Metals Prep
Initial/Final: 2 mL / 10 mL
QC Batch: 1000386
Sequence: 0A21031

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Antimony, Dissolved	80 - 120	18.5	0.0853	20.0	92	ug/L
Arsenic, Dissolved	80 - 120	19.7	0.219	20.0	97	ug/L
Cadmium, Dissolved	80 - 120	18.8	0.00188	20.0	94	ug/L
Chromium, Dissolved	80 - 120	20.2	0.153	20.0	100	ug/L
Cobalt, Dissolved	80 - 120	19.7	0.0953	20.0	98	ug/L
Copper, Dissolved	80 - 120	20.0	0.204	20.0	99	ug/L
Lead, Dissolved	80 - 120	19.9	-0.00257	20.0	100	ug/L
Selenium, Dissolved	80 - 120	18.4	-0.0539	20.0	92	ug/L
Silver, Dissolved	80 - 120	19.5	0.00513	20.0	97	ug/L
Thallium, Dissolved	80 - 120	19.4	-0.00151	20.0	97	ug/L
Vanadium, Dissolved	80 - 120	20.5	0.0857	20.0	102	ug/L

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

-VAS-56394-DR-011410-101

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
% Solids:
Laboratory ID: 1000386-PS2
Lab Source ID: 1001177-07

SDG: PM011110
Project: Plainwell Mill
Preparation: General Metals Prep
Initial/Final: 2 mL / 10 mL
QC Batch: 1000386
Sequence: 0A21053

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Beryllium, Dissolved	80 - 120	19.4	-0.00159	20.0	97	ug/L
Zinc, Dissolved	80 - 120	19.8	1.76	20.0	90	ug/L

* Values outside of QC limits

39455

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids: 91.25
Laboratory ID: 1000390-PS1
Lab Source ID: 1001177-05

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.020088 g / 10 mL
QC Batch: 1000390
Sequence: 0A25028

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Arsenic, Total	80 - 120	0.0350	0.0156	0.0200	97	mg/L
Cadmium, Total	80 - 120	0.0193	0.000348	0.0200	95	mg/L
Chromium, Total	80 - 120	0.0386	0.0174	0.0200	106	mg/L
Cobalt, Total	80 - 120	0.0290	0.00891	0.0200	100	mg/L
Copper, Total	80 - 120	0.0676	0.0469	0.0200	103	mg/L
Selenium, Total	80 - 120	0.0185	0.000618	0.0200	89	mg/L
Silver, Total	80 - 120	0.0198	0.000103	0.0200	99	mg/L
Thallium, Total	80 - 120	0.0192	0.000259	0.0200	95	mg/L
Vanadium, Total	80 - 120	0.0464	0.0246	0.0200	109	mg/L

* Values outside of QC limits

00456

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids: 91.25
Laboratory ID: 1000390-PS2
Lab Source ID: 1001177-05

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.020088 g / 10 mL
QC Batch: 1000390
Sequence: 0A25028

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Lead, Total	80 - 120	0.121	0.0831	0.0400	94	mg/L
Zinc, Total	80 - 120	0.130	0.0940	0.0400	89	mg/L

* Values outside of QC limits

00457

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids: 91.25
Laboratory ID: 1000390-PS3
Lab Source ID: 1001177-05

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.020088 g / 10 mL
QC Batch: 1000390
Sequence: 0A25056

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Beryllium, Total	80 - 120	0.0201	0.00134	0.0200	94	mg/L

* Values outside of QC limits

00458

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids: 91.25
Laboratory ID: 1000411-PS1
Lab Source ID: 1001177-05

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.010146 g / 5 mL
QC Batch: 1000411
Sequence: 0A20017

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Antimony, Total	80 - 120	0.0210	0.00143	0.0200	98	mg/L

* Values outside of QC limits

02459

LCS / LCS DUPLICATE RECOVERY
USEPA-6020A

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

Laboratory ID: 1000385-BS1

SDG: PM011110
Project: Plainwell Mill
Preparation: 3020A Digestion
Initial/Final: 25 mL / 125 mL
QC Batch: 1000385
Sequence: 0A21031

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Antimony, Total	50.0	49.4	99	80 - 120	ug/L
Arsenic, Total	50.0	48.7	97	80 - 120	ug/L
Cadmium, Total	50.0	46.3	93	80 - 120	ug/L
Chromium, Total	50.0	50.0	100	80 - 120	ug/L
Cobalt, Total	50.0	49.4	99	80 - 120	ug/L
Copper, Total	50.0	51.0	102	80 - 120	ug/L
Lead, Total	50.0	49.6	99	80 - 120	ug/L
Selenium, Total	50.0	45.8	92	80 - 120	ug/L
Silver, Total	50.0	47.2	94	80 - 120	ug/L
Thallium, Total	50.0	48.7	97	80 - 120	ug/L
Vanadium, Total	50.0	49.8	100	80 - 120	ug/L
Zinc, Total	50.0	49.6	99	80 - 120	ug/L

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

* Values outside of QC limits

00460

LCS / LCS DUPLICATE RECOVERY
USEPA-6020A

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

Laboratory ID: 1000385-BS2

SDG: PM011110
Project: Plainwell Mill
Preparation: 3020A Digestion
Initial/Final: 25 mL / 125 mL
QC Batch: 1000385
Sequence: 0A21053

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Beryllium, Total	50.0	47.0	94	80 - 120	ug/L

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

* Values outside of QC limits

00461

LCS / LCS DUPLICATE RECOVERY
USEPA-6020A

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

Laboratory ID: 1000386-BS1

SDG: PM011110
Project: Plainwell Mill
Preparation: General Metals Prep
Initial/Final: 25 mL / 125 mL
QC Batch: 1000386
Sequence: 0A21031

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Antimony, Dissolved	50.0	45.5	91	80 - 120	ug/L
Arsenic, Dissolved	50.0	44.5	89	80 - 120	ug/L
Cadmium, Dissolved	50.0	42.6	85	80 - 120	ug/L
Chromium, Dissolved	50.0	47.1	94	80 - 120	ug/L
Cobalt, Dissolved	50.0	46.4	93	80 - 120	ug/L
Copper, Dissolved	50.0	48.4	97	80 - 120	ug/L
Lead, Dissolved	50.0	45.7	91	80 - 120	ug/L
Selenium, Dissolved	50.0	43.0	86	80 - 120	ug/L
Silver, Dissolved	50.0	44.0	88	80 - 120	ug/L
Thallium, Dissolved	50.0	44.0	88	80 - 120	ug/L
Vanadium, Dissolved	50.0	46.1	92	80 - 120	ug/L

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

* Values outside of QC limits

00462

LCS / LCS DUPLICATE RECOVERY
USEPA-6020A

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

Laboratory ID: 1000386-BS2

SDG: PM011110
Project: Plainwell Mill
Preparation: General Metals Prep
Initial/Final: 25 mL / 125 mL
QC Batch: 1000386
Sequence: 0A21053

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Beryllium, Dissolved	50.0	44.4	89	80 - 120	ug/L
Zinc, Dissolved	50.0	45.8	92	80 - 120	ug/L

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

* Values outside of QC limits

00463

LCS / LCS DUPLICATE RECOVERY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 250 mL
Laboratory ID: 1000390-BS1
QC Batch: 1000390
Sequence: 0A25028

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Arsenic, Total	20.0	17.4	87	80 - 120	mg/kg dry wt.
Beryllium, Total	20.0	18.9	94	80 - 120	mg/kg dry wt.
Cadmium, Total	20.0	17.7	88	80 - 120	mg/kg dry wt.
Chromium, Total	20.0	19.6	98	80 - 120	mg/kg dry wt.
Cobalt, Total	20.0	19.3	97	80 - 120	mg/kg dry wt.
Copper, Total	20.0	19.1	95	80 - 120	mg/kg dry wt.
Lead, Total	20.0	18.4	92	80 - 120	mg/kg dry wt.
Selenium, Total	20.0	16.4	82	80 - 120	mg/kg dry wt.
Silver, Total	20.0	18.8	94	80 - 120	mg/kg dry wt.
Thallium, Total	20.0	18.5	92	80 - 120	mg/kg dry wt.
Vanadium, Total	20.0	19.5	98	80 - 120	mg/kg dry wt.
Zinc, 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: 1000411-BS1

SDG: PM011110
Project: Plainwell Mill
Preparation: 3050B Digestion
Initial/Final: 0.5 g / 250 mL
QC Batch: 1000411
Sequence: 0A20017

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Antimony, Total	20.0	19.1	95	80 - 120	mg/kg dry wt.

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

* Values outside of QC limits

00465

SERIAL DILUTION

USEPA-6020A

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110

Client: SulTRAC

Project: Plainwell Mill

Matrix: Soil

% Solids: 91.25

Laboratory ID: 0A20017-SRD1

QC Batch: 0A20017

Lab Source ID: 1001177-05

Sequence: 0A20017

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Antimony, Total	0.00143		0.00153		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.

20466

SERIAL DILUTION

USEPA-6020A

S-VAS-56394-DR-011410-1013

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110

Client: SulTRAC

Project: Plainwell Mill

Matrix: Water

% Solids:

Laboratory ID: 0A21031-SRD1

QC Batch: 0A21031

Lab Source ID: 1001177-06

Sequence: 0A21031

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Antimony, Total	0.109	J	0.124	U	14.0 #		ug/L	10
Arsenic, Total	1.22		1.33		9.0 #		ug/L	10
Cadmium, Total	0.0203	J	0.0316	U	56.0 #		ug/L	10
Chromium, Total	1.18		1.71	J	45.0 #		ug/L	10
Cobalt, Total	0.456		0.460	J	1.0 #		ug/L	10
Copper, Total	1.43		1.40	J	2.0 #		ug/L	10
Lead, Total	0.941		0.891	J	5.0 #		ug/L	10
Selenium, Total	0.0397	U	-0.114	U	387.0 #		ug/L	10
Silver, Total	0.0113	U	0.0758	J	571.0 #		ug/L	10
Thallium, Total	0.00679	U	0.00372	U	45.0 #		ug/L	10
Vanadium, Total	0.976		1.11		14.0 #		ug/L	10
Zinc, Total	3.67	J	-3.24	U	188.0 #		ug/L	10

* Values outside of QC limits

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

00467

SERIAL DILUTION
USEPA-6020A

S-VAS-56394-DR-011410-1013

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
% Solids:
Laboratory ID: 0A21031-SRD2
QC Batch: 0A21031
Lab Source ID: 1001177-07
Sequence: 0A21031

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Antimony, Dissolved	0.0853	J	0.0783	U	8.0 #		ug/L	10
Arsenic, Dissolved	0.219		0.223	U	2.0 #		ug/L	10
Cadmium, Dissolved	0.00188	U	0.00828	U	340.0 #		ug/L	10
Chromium, Dissolved	0.153	J	0.407	U	166.0 #		ug/L	10
Cobalt, Dissolved	0.0953	J	0.0810	J	15.0 #		ug/L	10
Copper, Dissolved	0.204	J	0.138	U	32.0 #		ug/L	10
Lead, Dissolved	-0.00257	U	-0.0519	U	1919.0 #		ug/L	10
Selenium, Dissolved	-0.0539	U	-0.266	U	394.0 #		ug/L	10
Silver, Dissolved	0.00513	U	0.0637	J	1142.0 #		ug/L	10
Thallium, Dissolved	-0.00151	U	-0.00252	U	67.0 #		ug/L	10
Vanadium, Dissolved	0.0857	J	0.208	U	143.0 #		ug/L	10

* Values outside of QC limits

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

SERIAL DILUTION
USEPA-6020A

S-VAS-56394-DR-011410-1013

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
% Solids:
Laboratory ID: 0A21053-SRD2
QC Batch: 0A21053
Lab Source ID: 1001177-07
Sequence: 0A21053

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Beryllium, Dissolved	-0.00159	U	-0.00894	U	462.0 #		ug/L	10
Zinc, Dissolved	1.76	J	1.75	U	1.0 #		ug/L	10

* Values outside of QC limits

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

SERIAL DILUTION

USEPA-6020A

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110

Client: SulTRAC

Project: Plainwell Mill

Matrix: Soil

% Solids: 91.25

Laboratory ID: 0A25028-SRD1

QC Batch: 0A25028

Lab Source ID: 1001177-05

Sequence: 0A25028

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Arsenic, Total	0.0156		0.0163		4.0		mg/L	10
Cadmium, Total	0.000348		0.000365	J	5.0 #		mg/L	10
Chromium, Total	0.0174		0.0186		7.0		mg/L	10
Cobalt, Total	0.00891		0.00953		7.0		mg/L	10
Copper, Total	0.0469		0.0501		7.0		mg/L	10
Selenium, Total	0.000618		0.000470	U	24.0 #		mg/L	10
Silver, Total	0.000103		0.000225	J	118.0 #		mg/L	10
Thallium, Total	0.000259		0.000290	J	12.0 #		mg/L	10
Vanadium, Total	0.0246		0.0260		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.

SERIAL DILUTION

USEPA-6020A

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110

Client: SulTRAC

Project: Plainwell Mill

Matrix: Soil

% Solids: 91.25

Laboratory ID: 0A25028-SRD3

QC Batch: 0A25028

Lab Source ID: 1001177-05

Sequence: 0A25028

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Lead, Total	0.0415		0.0449		8.0		mg/L	10
Zinc, Total	0.0470		0.0508		8.0 #		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-011410-041

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110

Client: SulTRAC

Project: Plainwell Mill

Matrix: Soil

% Solids: 91.25

Laboratory ID: 0A25056-SRD1

QC Batch: 0A25056

Lab Source ID: 1001177-05

Sequence: 0A25056

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Beryllium, Total	0.00134		0.00148		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.

09473

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011110

Client: SulTRAC Project: Plainwell Mill

Dissolved 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-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110

Client: SulTRAC

Project: Plainwell Mill

Dissolved 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-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	

80475

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110

Client: SulTRAC

Project: Plainwell Mill

Dissolved 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-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	

00476

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110

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-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-VAS-56394-DR-011110-1001	01/11/10	01/12/10		01/18/10	7	NA	01/21/10	10	180	
S-SO-56394-CB-011110-003	01/11/10	01/12/10		01/18/10	7	NA	01/25/10	14	180	
S-SO-56394-CB-011110-003	01/11/10	01/12/10		01/18/10	7	NA	01/25/10	14	180	
S-SO-56394-CB-011110-003	01/11/10	01/12/10		01/18/10	7	NA	01/25/10	14	180	
S-SO-56394-CB-011110-003	01/11/10	01/12/10		01/18/10	7	NA	01/25/10	14	180	
S-SO-56394-CB-011110-003	01/11/10	01/12/10		01/18/10	7	NA	01/25/10	14	180	
S-SO-56394-CB-011110-003	01/11/10	01/12/10		01/18/10	7	NA	01/25/10	14	180	
S-SO-56394-CB-011110-003	01/11/10	01/12/10		01/18/10	7	NA	01/25/10	14	180	
S-SO-56394-CB-011110-003	01/11/10	01/12/10		01/18/10	7	NA	01/25/10	14	180	
S-SO-56394-CB-011110-003	01/11/10	01/12/10		01/18/10	7	NA	01/25/10	14	180	

20477

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011110

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-011110-003	01/11/10	01/12/10		01/18/10	7	NA	01/25/10	14	180	
S-SO-56394-CB-011110-003	01/11/10	01/12/10		01/18/10	7	NA	01/25/10	14	180	
S-SO-56394-CB-011110-003	01/11/10	01/12/10		01/18/10	7	NA	01/25/10	14	180	
S-SO-56394-CB-011110-003	01/11/10	01/12/10		01/18/10	7	NA	01/20/10	9	180	
S-SS-56394-EV-011210-011	01/12/10	01/12/10		01/18/10	6	NA	01/25/10	13	180	
S-SS-56394-EV-011210-011	01/12/10	01/12/10		01/18/10	6	NA	01/25/10	13	180	
S-SS-56394-EV-011210-011	01/12/10	01/12/10		01/18/10	6	NA	01/25/10	13	180	
S-SS-56394-EV-011210-011	01/12/10	01/12/10		01/18/10	6	NA	01/25/10	13	180	
S-SS-56394-EV-011210-011	01/12/10	01/12/10		01/18/10	6	NA	01/25/10	13	180	
S-SS-56394-EV-011210-011	01/12/10	01/12/10		01/18/10	6	NA	01/25/10	13	180	
S-SS-56394-EV-011210-011	01/12/10	01/12/10		01/18/10	6	NA	01/25/10	13	180	
S-SS-56394-EV-011210-011	01/12/10	01/12/10		01/18/10	6	NA	01/25/10	13	180	
S-SS-56394-EV-011210-011	01/12/10	01/12/10		01/18/10	6	NA	01/25/10	13	180	
S-SS-56394-EV-011210-011	01/12/10	01/12/10		01/18/10	6	NA	01/25/10	13	180	
S-SS-56394-EV-011210-011	01/12/10	01/12/10		01/18/10	6	NA	01/25/10	13	180	
S-SS-56394-EV-011210-011	01/12/10	01/12/10		01/18/10	6	NA	01/25/10	13	180	
S-SS-56394-EV-011210-011	01/12/10	01/12/10		01/18/10	6	NA	01/25/10	13	180	
S-SS-56394-EV-011210-011	01/12/10	01/12/10		01/18/10	6	NA	01/20/10	8	180	
S-SO-56394-CB-011210-015	01/12/10	01/12/10		01/18/10	6	NA	01/25/10	13	180	
S-SO-56394-CB-011210-015	01/12/10	01/12/10		01/18/10	6	NA	01/25/10	13	180	
S-SO-56394-CB-011210-015	01/12/10	01/12/10		01/18/10	6	NA	01/25/10	13	180	
S-SO-56394-CB-011210-015	01/12/10	01/12/10		01/18/10	6	NA	01/25/10	13	180	
S-SO-56394-CB-011210-015	01/12/10	01/12/10		01/18/10	6	NA	01/25/10	13	180	

00478

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011110

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-011210-015	01/12/10	01/12/10		01/18/10	6	NA	01/25/10	13	180	
S-SO-56394-CB-011210-015	01/12/10	01/12/10		01/18/10	6	NA	01/25/10	13	180	
S-SO-56394-CB-011210-015	01/12/10	01/12/10		01/18/10	6	NA	01/25/10	13	180	
S-SO-56394-CB-011210-015	01/12/10	01/12/10		01/18/10	6	NA	01/25/10	13	180	
S-SO-56394-CB-011210-015	01/12/10	01/12/10		01/18/10	6	NA	01/25/10	13	180	
S-SO-56394-CB-011210-015	01/12/10	01/12/10		01/18/10	6	NA	01/25/10	13	180	
S-SO-56394-CB-011210-015	01/12/10	01/12/10		01/18/10	6	NA	01/25/10	13	180	
S-SO-56394-CB-011210-015	01/12/10	01/12/10		01/18/10	6	NA	01/20/10	8	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10		01/18/10	5	NA	01/20/10	7	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	

00479

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011110

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-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/20/10	6	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	

00489

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011110

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-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/20/10	6	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10		01/18/10	4	NA	01/20/10	6	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	

00481

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011110

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-011410-041	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10		01/18/10	4	NA	01/20/10	6	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
S-VAS-56394-DR-011410-1013	01/14/10	01/14/10		01/18/10	4	NA	01/21/10	7	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	

00482

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011110

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-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
SD-VAS-56394-DR-011310-100	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	

00483

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110

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-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-VAS-56394-DR-011310-1008	01/13/10	01/14/10		01/18/10	5	NA	01/21/10	8	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10		01/18/10	5	NA	01/20/10	7	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011110

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-011310-028	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10		01/18/10	5	NA	01/20/10	7	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10		01/18/10	4	NA	01/25/10	11	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10		01/18/10	4	NA	01/20/10	6	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	

00485

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110

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-011310-026	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10		01/18/10	5	NA	01/25/10	12	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10		01/18/10	5	NA	01/20/10	7	180	

00486

Metals, Water, 3020A Digestion

Batch comments:

MAS 01/18/10 7:00AM-4:00PM
INST#217 @93.2C#164
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1000385-BLK1		Jan-18-10 07:00	MAS	25	125				
1000385-BLK2		Jan-18-10 07:00	MAS	25	125				
1000385-BS1		Jan-18-10 07:00	MAS	25	125		9120124	25	
1000385-BS2		Jan-18-10 07:00	MAS	25	125		9120124	25	
1000385-MS1		Jan-18-10 07:00	MAS	25	125	1001177-06	9120124	25	
1000385-MS2		Jan-18-10 07:00	MAS	25	125	1001177-06	9120124	25	
1000385-MSD1		Jan-18-10 07:00	MAS	25	125	1001177-06	9120124	25	
1000385-MSD2		Jan-18-10 07:00	MAS	25	125	1001177-06	9120124	25	
1000385-PS1		Jan-21-10 13:15	MSM	2	10	1001177-06	9120102	50	[Spk] 25mL->125mL; 10mL->10mL; Spike
1000385-PS2		Jan-21-10 13:15	MSM	2	10	1001177-06	9120102	50	[Spk] 25mL->125mL; 10mL->10mL; Spike
1001142-01	A	Jan-18-10 07:00	MAS	25	125	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*		
Sb Total 6020	*Se Total 6020*	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*					
1001177-06	A	Jan-18-10 07:00		25	125	SulTRAC			Added for SequenceQC in: 0A21031 Added for SequenceQC in: 0A21031
Ag Diss 6020	*Ag Total 6020*	*As Diss 6020*	*As Total 6020*	*Be Diss 6020*	*Be Total 6020*	*Cd Diss 6020*	*Cd Total 6020*		
Co Diss 6020	*Co Total 6020*	*Cr Diss 6020*	*Cr Total 6020*	*Cu Diss 6020*	*Cu Total 6020*	*Pb Diss 6020*	*Pb Total 6020*		
Sb Diss 6020	*Sb Total 6020*	*Se Diss 6020*	*Se Total 6020*	*Tl Diss 6020*	*Tl Total 6020*	*V Diss 6020*	*V Total 6020*		
Zn Diss 6020	*Zn Total 6020*								
1001177-08	A	Jan-18-10 07:00	MAS	25	125	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*		
Sb Total 6020	*Se Total 6020*	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*					
1001177-10	A	Jan-18-10 07:00	MAS	25	125	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*		
Sb Total 6020	*Se Total 6020*	*Tl Total 6020*	*V Total 6020*	*Zn Total 6020*					

Comments:

Analyst Initials:

Metals, Water, General Metals Prep

Batch comments:

MAS 01/18/10 7:00AM-4:00PM
INST#217@93.2C#223
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1000386-BLK1		Jan-18-10 07:00	MAS	25	125				
1000386-BLK2		Jan-18-10 07:00	DWJ	25	125				
1000386-BS1		Jan-18-10 07:00	MAS	25	125		9120124	25	
1000386-BS2		Jan-18-10 07:00	DWJ	25	125		9120124	25	
1000386-MS1		Jan-18-10 07:00	MAS	25	125	1001177-07	9120124	25	
1000386-MS2		Jan-18-10 07:00	DWJ	25	125	1001177-07	9120124	25	
1000386-MSD1		Jan-18-10 07:00	MAS	25	125	1001177-07	9120124	25	
1000386-MSD2		Jan-18-10 07:00	DWJ	25	125	1001177-07	9120124	25	
1000386-PS1		Jan-21-10 13:15	MSM	2	10	1001177-07	9120102	50	[Spk] 25mL->125mL; 10mL->10mL; Spike
1000386-PS2		Jan-21-10 13:15	MSM	2	10	1001177-07	9120102	50	[Spk] 25mL->125mL; 10mL->10mL; Spike
1001142-01	B	Jan-18-10 07:00	MAS	25	125	SulTRAC			
Ag Diss 6020	*As Diss 6020*	*Be Diss 6020*	*Cd Diss 6020*	*Co Diss 6020*	*Cr Diss 6020*	*Cu Diss 6020*	*Pb Diss 6020*		
Sb Diss 6020	*Se Diss 6020*	*Tl Diss 6020*	*V Diss 6020*	*Zn Diss 6020*					
1001177-07	A	Jan-18-10 07:00	MAS	25	125	SulTRAC			
Ag Diss 6020	*As Diss 6020*	*Be Diss 6020*	*Be Total 6020*	*Cd Diss 6020*	*Co Diss 6020*	*Cr Diss 6020*	*Cu Diss 6020*		
Pb Diss 6020	*Sb Diss 6020*	*Se Diss 6020*	*Tl Diss 6020*	*Tl Total 6020*	*V Diss 6020*	*V Total 6020*	*Zn Diss 6020*		
Zn Total 6020									
1001177-07RE1	A	Jan-18-10 07:00		25	125	SulTRAC			Added for SequenceQC in: 0A21031 Added for SequenceQC in: 0A21031
Ag Total 6020	*As Total 6020*	*Cd Total 6020*	*Co Total 6020*	*Cr Total 6020*	*Cu Total 6020*	*Pb Total 6020*	*Sb Total 6020*		
Se Total 6020									
1001177-09	A	Jan-18-10 07:00	MAS	25	125	SulTRAC			
Ag Diss 6020	*As Diss 6020*	*Be Diss 6020*	*Cd Diss 6020*	*Co Diss 6020*	*Cr Diss 6020*	*Cu Diss 6020*	*Pb Diss 6020*		
Sb Diss 6020	*Se Diss 6020*	*Tl Diss 6020*	*V Diss 6020*	*Zn Diss 6020*					

Comments:	Analyst Initials:

Metals, Water, General Metals Prep

Batch comments:

MAS 01/18/10 7:00AM-4:00PM
INST#217@93.2C#223
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	*Container*	*Prepared*	*By*	*Initial (mL)*	*Final (mL)*	*Client* Source ID	Spike ID	uL Spike	Comments
1001177-11	A	Jan-18-10 07:00	MAS	25	125	SulTRAC			

Ag Diss 6020	*As Diss 6020*	*Be Diss 6020*	*Cd Diss 6020*	*Co Diss 6020*	*Cr Diss 6020*	*Cu Diss 6020*	*Pb Diss 6020*
Sb Diss 6020	*Se Diss 6020*	*Tl Diss 6020*	*V Diss 6020*	*Zn Diss 6020*			

Comments:	Analyst Initials:

Metals, Soil, 3050B Digestion

Batch comments:

MAS 01/18/10 7:00AM-4:00PM
INST#218@93.9C#222
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client: Source ID	Client: Spike ID	Client: uL Spike	Comments
1000390-BLK1		Jan-18-10 07:00	MAS	0.5	250				
1000390-BS1		Jan-18-10 07:00	MAS	0.5	250		9120029	100	
1000390-MS1		Jan-18-10 07:00	MAS	0.5046	250	1001177-05	9120029	100	
1000390-MS2		Jan-18-10 07:00	MAS	0.5046	250	1001177-05	9120029	100	
1000390-MSD1		Jan-18-10 07:00	MAS	0.5034	250	1001177-05	9120029	100	
1000390-MSD2		Jan-18-10 07:00	MAS	0.5034	250	1001177-05	9120029	100	
1000390-PS1		Jan-25-10 10:30	MSM	).02008(	10	1001177-05	9120102	50	[Spk] 0.5022g->250mL; 10mL->10mL; Sp
1000390-PS2		Jan-25-10 10:30	MSM	).02008(	10	1001177-05	9120102	100	[Spk] 0.5022g->250mL; 10mL->10mL; Sp
1000390-PS3		Jan-25-10 10:30	MSM	).02008(	10	1001177-05	9120102	50	[Spk] 0.5022g->250mL; 10mL->10mL; Sp
1001142-02	A	Jan-18-10 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*						
1001142-03	A	Jan-18-10 07:00	MAS	0.5003	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*						
1001142-04	A	Jan-18-10 07:00	MAS	0.5016	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*						
1001177-01	A	Jan-18-10 07:00	MAS	0.5029	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*						
1001177-02	A	Jan-18-10 07:00	MAS	0.508	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 01/18/10 7:00AM-4:00PM
INST#218@93.9C#222
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client Source ID	Spike ID	uL Spike	Comments	
1001177-03	A	Jan-18-10 07:00	MAS	0.5017	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										
1001177-04	A	Jan-18-10 07:00	MAS	0.5019	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										
1001177-05	C	Jan-18-10 07:00	MAS	0.5022	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										
1001177-05RE1	C	Jan-18-10 07:00		0.5022	250	SulTRAC			Added for SequenceQC in: 0A25028	Added for SequenceQC in: 0A25028
Be Total 6020										
1001177-12	A	Jan-18-10 07:00	MAS	0.5383	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										
1001177-13	A	Jan-18-10 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										
1001177-14	A	Jan-18-10 07:00	MAS	0.5014	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										
1001177-15	A	Jan-18-10 07:00	MAS	0.5061	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 1-18-10 10:15AM-12:15PM
INST#218 @93.5C #222
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client: Source ID	Client: Spike ID	Client: uL Spike	Comments
1000411-BLK1		Jan-18-10 10:15	RDB	0.5	250				
1000411-BS1		Jan-18-10 10:15	RDB	0.5	250		9120029	100	
1000411-MS1		Jan-18-10 10:15	RDB	0.5024	250	1001177-05	9120029	100	
1000411-MSD1		Jan-18-10 10:15	RDB	0.5483	250	1001177-05	9120029	100	
1000411-PS1		Jan-20-10 10:30	DSC	).010140	5	1001177-05	9120103	25	[Spk] 0.5073g->250mL; 5mL->5mL; Spike
1001142-02 *Sb Total 6020*	A	Jan-18-10 10:15	RDB	0.5235	250	SulTRAC			
1001142-03 *Sb Total 6020*	A	Jan-18-10 10:15	RDB	0.5048	250	SulTRAC			
1001142-04 *Sb Total 6020*	A	Jan-18-10 10:15	RDB	0.501	250	SulTRAC			
1001177-01 *Sb Total 6020*	A	Jan-18-10 10:15	RDB	0.5058	250	SulTRAC			
1001177-02 *Sb Total 6020*	A	Jan-18-10 10:15	RDB	0.5081	250	SulTRAC			
1001177-03 *Sb Total 6020*	A	Jan-18-10 10:15	RDB	0.5091	250	SulTRAC			
1001177-04 *Sb Total 6020*	A	Jan-18-10 10:15	RDB	0.504	250	SulTRAC			
1001177-05 *Sb Total 6020*	A	Jan-18-10 10:15	RDB	0.5073	250	SulTRAC			
1001177-12 *Sb Total 6020*	A	Jan-18-10 10:15	RDB	0.5106	250	SulTRAC			

Comments:

Analyst Initials:

Metals, Soil, 3050B Digestion

Batch comments:
RDB 1-18-10 10:15AM-12:15PM
INST#218 @93.5C #222
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1001177-13	A	Jan-18-10 10:15	RDB	0.5007	250	SulTRAC			
Sb Total 6020									
1001177-14	A	Jan-18-10 10:15	RDB	0.5017	250	SulTRAC			
Sb Total 6020									
1001177-15	A	Jan-18-10 10:15	RDB	0.5085	250	SulTRAC			
Sb Total 6020									

Comments:	Analyst Initials:

Dil 5 1/20

Qual 1-26
Cal ID: CA20011

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence

Instrument #: 114
Date: 1-2010
Analyst: DK

Data File: DA20017 SI
Calibration BLK/ICB/CCB: 1% HNO3 LOT#1109060
Internal Standard #: 9112477

All samples are run at a 5x dilution which is accounted for on the prep benchsheet

Autosampler Position:

1. BLK/ICB/CCB ~~9120094~~ 9120104
2. ICV/SCV/CCV 40ug/L 9110401 04
3. STD2 0.2 ug/L 9120100 10
4. STD3 1.0 ug/L ~~9120099~~ 9120109
5. STD4 10 ug/L 9120098 108
6. STD5 20 ug/L 9120097 107
7. STD6 50 ug/L 9120096 106
8. STD7 100 ug/L 9120095 105
9. ~~STD1 0.04 ug/L 9120101~~
10. IFA1 9110402 05
11. IFB1 9110403 06

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	1000411-5MS1				35/51				
2/18	5S1				36/52				
3/19	1001142-52				37/53				
4/20	-3				38/54				
5/21	-4				39/55				
6/22	1001172-01				40/56				
7/23	-02				41/57				
8/24	-03				42/58				
9/25	-04				43/59				
10/26	-05				44/60				
11/27	MS1				45/61				
12/28	MD1				46/62				
13/29	SRP1				47/63				
14/30	DS1				48/64				
15/31	-12				49/65				
16/32	-13				50/66				
17/33	-14				51/67				
18/34	-15				52/68				
19/35	1000467-5MS1				53/69				
20/36	5S1				54/70				
21/37	1001209-01				55/71				
22/38	MS1				56/72				
23/39	MSD1				57/73				
24/40	SRD2				58/74				
25/41	PS1				59/75				
26/42	-02				60/76				
27/43	-03				61/77				
28/44	-04				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: 20JAN2010_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	7.027	1527	2025	0.841	
Co	58.933	58.977	14204	2005	0.858	
In	114.904	114.927	27852	2000	0.855	
Ba	137.905	137.879	33451	1990	0.869	
Ce	139.905	139.878	33941	1985	0.881	
Tl	204.975	204.975	49818	1980	0.861	

Report Date/Time: Wednesday, January 20, 2010 10:17:01

Daily Performance Report

Sample ID: 9101006
Sample Date/Time: Wednesday, January 20, 2010 10:17:22
Sample Description:
Method File: C:\elandata\Method\6020A_Daily.mth
Dataset File: C:\elandata\Dataset\daily performance\9101006.2506
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_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	8054.5	8054.542	249.659	3.1
	Co	58.9	94484.4	94484.362	3557.200	3.8
	In	114.9	258939.0	258939.043	6684.632	2.6
	Tl	205.0	182623.0	182622.964	2502.576	1.4
⌈>	Ba	137.9	210937.8	210937.835	4856.450	2.3
⌊	Ba++	69.0	4345.8	0.021	0.001	4.0
⌈>	Ce	139.9	272795.1	272795.116	8544.380	3.1
⌊	CeO	155.9	6798.6	0.025	0.001	2.3
	Bkgd	220.0	5.7	5.667	1.633	28.8

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	8288.807	8288.807
Co	59	95029.971	95029.971
In	115	263239.943	263239.943
Tl	205	185670.178	185670.178
Ba	138	211956.372	211956.372
Ba++	69	4382.344	0.021
Ce	140	276692.278	276692.278
CeO	156	7064.492	0.026
Bkgd	220	7.000	7.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	7909.377	7909.377
Co	59	95076.586	95076.586
In	115	259892.990	259892.990
Tl	205	181192.364	181192.364
Ba	138	208537.067	208537.067
Ba++	69	4489.410	0.022
Ce	140	274325.565	274325.565
CeO	156	7025.453	0.026
Bkgd	220	5.000	5.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	8345.873	8345.873
Co	59	95350.197	95350.197
In	115	251492.863	251492.863
Tl	205	184813.383	184813.383
Ba	138	212834.762	212834.762
Ba++	69	4127.192	0.019
Ce	140	266982.020	266982.020
CeO	156	6630.076	0.025
Bkgd	220	7.000	7.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	7675.121	7675.121
Co	59	87621.146	87621.146
In	115	252539.052	252539.052

Tl	205	179107.766	179107.766
Ba	138	202852.304	202852.304
Ba++	69	4229.252	0.021
Ce	140	261252.912	261252.912
CeO	156	6323.798	0.024
Bkgd	220	5.000	5.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	7995.472	7995.472
Co	59	98130.473	98130.473
In	115	269180.411	269180.411
Tl	205	181296.968	181296.968
Ba	138	217320.515	217320.515
Ba++	69	4626.498	0.021
Ce	140	286153.301	286153.301
CeO	156	6983.412	0.024
Bkgd	220	7.000	7.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	8112.604	8112.604
Co	59	95697.799	95697.799
In	115	257289.001	257289.001
Tl	205	183657.127	183657.127
Ba	138	212125.988	212125.988
Ba++	69	4220.246	0.020
Ce	140	271364.622	271364.622
CeO	156	6764.201	0.025
Bkgd	220	3.000	3.000

Sample/Batch Report

User Name: Administrator
Computer Name: ELAN6000_22
Sample File: C:\Elandata\Sample\0A20017.sam
Report Date/Time: Wednesday, January 20, 2010 10:44:33

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
17		1000411-BLK1		Sample					
18		1000411-BS1		Sample					
19		1001142-02		Sample					
20		1001142-03		Sample					
21		1001142-04		Sample					
22		1001177-01		Sample					
23		1001177-02		Sample					
24		1001177-03		Sample					
25		1001177-04		Sample					
26		1001177-05		Sample					
27		1000411-MS1		Sample					
28		1000411-MSD1		Sample					
29		0A20017-SRD1		Sample					
30		1000411-PS1		Sample					
31		1001177-12		Sample					
32		1001177-13		Sample					
33		1001177-14		Sample					
34		1001177-15		Sample					
35		1000467-BLK1		Sample					
36		1000467-BS1		Sample					
37		1001209-01		Sample					
38		1000467-MS1		Sample					
39		1000467-MSD1		Sample					
40		0A20017-SRD2		Sample					
41		1000467-PS1		Sample					
42		1001209-02		Sample					
43		1001209-03		Sample					
44		1001209-04		Sample					

00498

Sample Information

Sample ID: 0A20017-CAL1
Autosampler Position: 1
Sample Date/Time: Wednesday, January 20, 2010 10:46:17
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\0A20017-CAL1.001
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	278806.854					mg/L
	Sb	121	343.345					mg/L
	Sb	123	275.374					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	280917.037			mg/L
	Sb	121	367.013			mg/L
	Sb	123	271.001			mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	274478.188			mg/L
	Sb	121	319.010			mg/L
	Sb	123	268.984			mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	281025.339			mg/L
	Sb	121	344.012			mg/L
	Sb	123	285.127			mg/L

00499

Sample Information

Sample ID: 0A20017-CAL2
Autosampler Position: 3
Sample Date/Time: Wednesday, January 20, 2010 10:48:22
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\0A20017-CAL2.002
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	In	115	278416.010	278416.010				mg/L
|	Sb	121	1775.572	0.005	0.000200	0.000	4.542	mg/L
L	Sb	123	1341.340	0.004	0.000200	0.000	5.647	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	281132.879	281132.879		mg/L
|	Sb	121	1855.259	0.005	0.000209	mg/L
L	Sb	123	1337.502	0.004	0.000197	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	280956.909	280956.909		mg/L
|	Sb	121	1723.225	0.005	0.000191	mg/L
L	Sb	123	1304.125	0.004	0.000191	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	273158.241	273158.241		mg/L
|	Sb	121	1748.231	0.005	0.000201	mg/L
L	Sb	123	1382.392	0.004	0.000213	mg/L

00500

Sample Information

Sample ID: 0A20017-CAL3
Autosampler Position: 4
Sample Date/Time: Wednesday, January 20, 2010 10:50:28
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\0A20017-CAL3.003
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	In	115	281578.341	281578.341				mg/L
|	Sb	121	7305.808	0.025	0.000998	0.000	0.355	mg/L
L	Sb	123	5548.744	0.019	0.000999	0.000	0.457	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	282358.145	282358.145		mg/L
|	Sb	121	7352.836	0.026	0.001002	mg/L
L	Sb	123	5556.958	0.019	0.000998	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	279082.338	279082.338		mg/L
|	Sb	121	7218.718	0.026	0.000998	mg/L
L	Sb	123	5528.188	0.019	0.001004	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	283313.539	283313.539		mg/L
|	Sb	121	7345.849	0.025	0.000998	mg/L
L	Sb	123	5564.080	0.019	0.000998	mg/L

00521

Sample Information

Sample ID: 0A20017-CAL4
Autosampler Position: 5
Sample Date/Time: Wednesday, January 20, 2010 10:52:34
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\0A20017-CAL4.004
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	In	115	278100.291	278100.291				mg/L
|	Sb	121	69512.024	0.249	0.010001	0.000	2.253	mg/L
[	Sb	123	53074.479	0.190	0.010001	0.000	3.425	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	279398.329	279398.329		mg/L
|	Sb	121	68098.739	0.242	0.009749	mg/L
[	Sb	123	53742.330	0.191	0.010080	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	278776.474	278776.474		mg/L
|	Sb	121	70148.462	0.250	0.010087	mg/L
[	Sb	123	51224.027	0.183	0.009628	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	278128.070	278128.070		mg/L
|	Sb	121	70292.882	0.253	0.010185	mg/L
[	Sb	123	54257.078	0.198	0.010298	mg/L

39592

Sample Information

Sample ID: 0A20017-CAL5
Autosampler Position: 6
Sample Date/Time: Wednesday, January 20, 2010 10:54:40
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\0A20017-CAL5.005
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	In	115	278157.027	278157.027				mg/L
|	Sb	121	132110.656	0.474	0.019801	0.000	2.364	mg/L
L	Sb	123	100288.321	0.360	0.019779	0.001	3.311	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	284153.008	284153.008		mg/L
|	Sb	121	131352.033	0.461	0.019265	mg/L
L	Sb	123	100264.838	0.352	0.019346	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	270878.448	270878.448		mg/L
|	Sb	121	130787.998	0.482	0.020128	mg/L
L	Sb	123	101425.541	0.373	0.020632	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	279439.826	279439.826		mg/L
|	Sb	121	134181.937	0.478	0.020014	mg/L
L	Sb	123	99174.487	0.354	0.019458	mg/L

00593

Sample Information

Sample ID: 0A20017-CAL6
Autosampler Position: 7
Sample Date/Time: Wednesday, January 20, 2010 10:56:44
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\0A20017-CAL6.006
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	In	115	273684.006	273684.006				mg/L
|	Sb	121	326535.656	1.193	0.049972	0.002	4.083	mg/L
⌊	Sb	123	249461.994	0.911	0.050013	0.001	2.285	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	281290.970	281290.970		mg/L
|	Sb	121	320548.686	1.138	0.047697	mg/L
⌊	Sb	123	249708.887	0.887	0.048707	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	In	115	269588.237	269588.237		mg/L
|	Sb	121	325732.739	1.207	0.050680	mg/L
⌊	Sb	123	248200.432	0.920	0.050502	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	In	115	270191.810	270191.810		mg/L
|	Sb	121	333326.331	1.232	0.051640	mg/L
⌊	Sb	123	250388.682	0.926	0.050830	mg/L

00504

Sample Information

Sample ID: 0A20017-CAL7
Autosampler Position: 8
Sample Date/Time: Wednesday, January 20, 2010 10:58:49
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\0A20017-CAL7.007
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	In	115	276677.959	276677.959				mg/L
|	Sb	121	651022.061	2.352	0.099662	0.002	1.653	mg/L
⌊	Sb	123	494066.546	1.785	0.099539	0.003	2.545	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	284218.225	284218.225		mg/L
|	Sb	121	663179.003	2.332	0.098819	mg/L
⌊	Sb	123	494902.812	1.740	0.097028	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	In	115	272417.101	272417.101		mg/L
|	Sb	121	634270.878	2.327	0.098808	mg/L
⌊	Sb	123	499103.418	1.831	0.102091	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	In	115	273398.550	273398.550		mg/L
|	Sb	121	656616.306	2.387	0.101560	mg/L
⌊	Sb	123	488193.310	1.785	0.099500	mg/L

00595

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	23.60	0.00	0.999973
Sb	122.904	Linear Thru Zero	17.94	0.00	0.999955

Method Equation

Analyte	Mass	Corrections
In	114.904	- 0.014038 * Sn 118
Sb	122.904	- 0.125884 * Te 125

00526

Sample Information

Sample ID: 0A20017-SCV1
Autosampler Position: 2
Sample Date/Time: Wednesday, January 20, 2010 11:00:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\0A20017-SCV1.008
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	274303.621	274303.621				mg/L
	Sb	121	262912.984	0.957	0.040572	0.001	2.024	mg/L
	Sb	123	199549.018	0.727	0.040514	0.001	2.670	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	98.385
	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	278418.746	278418.746		mg/L
	Sb	121	265466.688	0.958	0.040842	mg/L
	Sb	123	195564.991	0.707	0.039390	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	278722.156	278722.156		mg/L
	Sb	121	261601.912	0.937	0.039718	mg/L
	Sb	123	203273.613	0.728	0.040608	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	267769.980	267769.980		mg/L
	Sb	121	261670.352	0.976	0.041388	mg/L
	Sb	123	199808.449	0.745	0.041547	mg/L

00507

Sample Information

Sample ID: 0A20017-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, January 20, 2010 11:03:59
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\0A20017-CCB.009
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	In	115	274056.184	274056.184				mg/L
|	Sb	121	578.029	0.001	0.000037	0.000	16.623	mg/L
L	Sb	123	420.133	0.001	0.000030	0.000	15.259	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	In	114.904	98.296
|	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	279093.062	279093.062		mg/L
|	Sb	121	615.033	0.001	0.000041	mg/L
L	Sb	123	453.257	0.001	0.000036	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	267483.549	267483.549		mg/L
|	Sb	121	584.030	0.001	0.000040	mg/L
L	Sb	123	391.258	0.000	0.000028	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	275591.939	275591.939		mg/L
|	Sb	121	535.026	0.001	0.000030	mg/L
L	Sb	123	415.883	0.001	0.000029	mg/L

00508

Sample Information

Sample ID: 0A20017-CRL1
Autosampler Position: 4
Sample Date/Time: Wednesday, January 20, 2010 11:06:04
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\0A20017-CRL1.010
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	276038.938	276038.938				mg/L
	Sb	121	7267.436	0.025	0.001063	0.000	2.489	mg/L
	Sb	123	5485.320	0.019	0.001053	0.000	3.230	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	99.007
	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	282143.798	282143.798		mg/L
	Sb	121	7393.869	0.025	0.001068	mg/L
	Sb	123	5414.649	0.019	0.001015	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	273493.316	273493.316		mg/L
	Sb	121	7049.647	0.025	0.001040	mg/L
	Sb	123	5494.297	0.019	0.001066	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	272479.704	272479.704		mg/L
	Sb	121	7358.862	0.026	0.001082	mg/L
	Sb	123	5548.625	0.019	0.001080	mg/L

00509

Sample Information

Sample ID: 0A20017-IFA1
Autosampler Position: 10
Sample Date/Time: Wednesday, January 20, 2010 11:08:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\0A20017-IFA1.011
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	267262.002	267262.002				mg/L
	Sb	121	538.692	0.001	0.000033	0.000	6.572	mg/L
	Sb	123	399.045	0.001	0.000028	0.000	18.071	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	95.859
	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	265798.749	265798.749		mg/L
	Sb	121	520.024	0.001	0.000031	mg/L
	Sb	123	391.001	0.000	0.000027	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	272743.212	272743.212		mg/L
	Sb	121	556.027	0.001	0.000034	mg/L
	Sb	123	434.136	0.001	0.000034	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	263246.046	263246.046		mg/L
	Sb	121	540.026	0.001	0.000035	mg/L
	Sb	123	371.998	0.000	0.000024	mg/L

00519

Sample Information

Sample ID: 0A20017-IFB1
Autosampler Position: 11
Sample Date/Time: Wednesday, January 20, 2010 11:10:17
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\0A20017-IFB1.012
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	In	115	266252.719	266252.719				mg/L
|	Sb	121	131203.757	0.492	0.020833	0.000	2.257	mg/L
⌊	Sb	123	99696.018	0.373	0.020822	0.000	1.582	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	In	114.904	95.497
|	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	264167.938	264167.938		mg/L
|	Sb	121	132737.304	0.501	0.021239	mg/L
⌊	Sb	123	97757.897	0.369	0.020877	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	In	115	271124.928	271124.928		mg/L
|	Sb	121	130337.684	0.479	0.020318	mg/L
⌊	Sb	123	100902.579	0.371	0.020894	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	In	115	263468.292	263468.292		mg/L
|	Sb	121	130538.273	0.494	0.020842	mg/L
⌊	Sb	123	100427.578	0.380	0.021197	mg/L

Sample Information

Sample ID: 0A20017-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, January 20, 2010 11:12:22
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\0A20017-CCV.013
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	In	115	271447.011	271447.011				mg/L
|	Sb	121	259504.264	0.955	0.040456	0.000	1.230	mg/L
L	Sb	123	198850.579	0.732	0.040790	0.001	2.758	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	In	114.904	97.360
|	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	269295.492	269295.492		mg/L
|	Sb	121	258658.560	0.959	0.040847	mg/L
L	Sb	123	196258.839	0.728	0.040677	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	273880.230	273880.230		mg/L
|	Sb	121	264238.367	0.964	0.040829	mg/L
L	Sb	123	195719.908	0.714	0.039787	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	271165.311	271165.311		mg/L
|	Sb	121	256616.874	0.941	0.039891	mg/L
L	Sb	123	204873.193	0.753	0.042008	mg/L

99512

Sample Information

Sample ID: 0A20017-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, January 20, 2010 11:15:27
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\0A20017-CCB.014
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	271178.354	271178.354				mg/L
	Sb	121	475.021	0.001	0.000022	0.000	13.631	mg/L
	Sb	123	359.253	0.000	0.000019	0.000	34.160	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	97.264
	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	272215.738	272215.738		mg/L
Sb	121	486.021	0.001	0.000023	mg/L
Sb	123	392.376	0.000	0.000025	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	277107.156	277107.156		mg/L
Sb	121	498.022	0.001	0.000024	mg/L
Sb	123	365.132	0.000	0.000018	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	264212.188	264212.188		mg/L
Sb	121	441.018	0.000	0.000019	mg/L
Sb	123	320.248	0.000	0.000013	mg/L

20513

Sample Information

Sample ID: 1000411-BLK1
Autosampler Position: 17
Sample Date/Time: Wednesday, January 20, 2010 11:17:32
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\1000411-BLK1.015
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	270285.207	270285.207				mg/L
	Sb	121	484.355	0.001	0.000024	0.000	13.071	mg/L
	Sb	123	352.047	0.000	0.000018	0.000	45.149	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	96.944
	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	268068.317	268068.317		mg/L
	Sb	121	498.022	0.001	0.000027	mg/L
	Sb	123	368.007	0.000	0.000026	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	272657.835	272657.835		mg/L
	Sb	121	485.021	0.001	0.000023	mg/L
	Sb	123	347.753	0.000	0.000016	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	272141.488	272141.488		mg/L
	Sb	121	470.020	0.000	0.000021	mg/L
	Sb	123	320.381	0.000	0.000011	mg/L

90514

Sample Information

Sample ID: 1000411-BS1
Autosampler Position: 18
Sample Date/Time: Wednesday, January 20, 2010 11:19:37
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\1000411-BS1.016
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	In	115	270283.410	270283.410				mg/L
|	Sb	121	244657.380	0.904	0.038308	0.001	1.875	mg/L
⌊	Sb	123	185342.869	0.685	0.038184	0.001	2.147	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	In	114.904	96.943
|	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	273663.497	273663.497		mg/L
|	Sb	121	242414.274	0.885	0.037483	mg/L
⌊	Sb	123	185606.038	0.677	0.037758	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	In	115	265992.894	265992.894		mg/L
|	Sb	121	242987.611	0.912	0.038683	mg/L
⌊	Sb	123	186946.726	0.702	0.039129	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	In	115	271193.840	271193.840		mg/L
|	Sb	121	246590.254	0.915	0.038789	mg/L
⌊	Sb	123	183477.841	0.676	0.037848	mg/L

00515

Sample Information

Sample ID: 1001142-02
Autosampler Position: 19
Sample Date/Time: Wednesday, January 20, 2010 11:21:42
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\1001142-02.017
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	In	115	260801.930	260801.930				mg/L
|	Sb	121	16898.136	0.064	0.002694	0.000	1.104	mg/L
L	Sb	123	13184.548	0.050	0.002764	0.000	2.290	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	In	114.904	93.542
|	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	264382.482	264382.482		mg/L
|	Sb	121	16923.193	0.063	0.002680	mg/L
L	Sb	123	13449.907	0.050	0.002781	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	254758.286	254758.286		mg/L
|	Sb	121	16652.555	0.064	0.002716	mg/L
L	Sb	123	13122.562	0.051	0.002817	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	263285.015	263285.015		mg/L
|	Sb	121	17118.680	0.064	0.002703	mg/L
L	Sb	123	12981.176	0.048	0.002684	mg/L

00516

Sample Information

Sample ID: 1001142-03
Autosampler Position: 20
Sample Date/Time: Wednesday, January 20, 2010 11:23:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\1001142-03.018
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	264391.801	264391.801				mg/L
	Sb	121	4530.483	0.016	0.000674	0.000	2.225	mg/L
	Sb	123	3479.189	0.012	0.000679	0.000	1.452	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	94.830
	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	261464.190	261464.190		mg/L
	Sb	121	4564.487	0.016	0.000686	mg/L
	Sb	123	3436.212	0.012	0.000678	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	270190.841	270190.841		mg/L
	Sb	121	4658.566	0.016	0.000679	mg/L
	Sb	123	3510.997	0.012	0.000688	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	261520.373	261520.373		mg/L
	Sb	121	4377.389	0.016	0.000667	mg/L
	Sb	123	3490.366	0.012	0.000689	mg/L

00517

Sample Information

Sample ID: 1001142-04
Autosampler Position: 21
Sample Date/Time: Wednesday, January 20, 2010 11:25:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\1001142-04.019
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	In	115	252398.606	252398.606				mg/L
|	Sb	121	4612.201	0.017	0.000722	0.000	1.370	mg/L
L	Sb	123	3773.441	0.014	0.000778	0.000	0.806	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	In	114.904	90.528
|	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	250335.032	250336.032		mg/L
|	Sb	121	4630.547	0.017	0.000732	mg/L
L	Sb	123	3731.217	0.014	0.000776	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	250836.798	250836.798		mg/L
|	Sb	121	4688.530	0.017	0.000723	mg/L
L	Sb	123	3728.968	0.014	0.000774	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	258021.981	258021.981		mg/L
|	Sb	121	4616.638	0.017	0.000712	mg/L
L	Sb	123	3880.148	0.014	0.000788	mg/L

00518

Sample Information

Sample ID: 1001177-01
Autosampler Position: 22
Sample Date/Time: Wednesday, January 20, 2010 11:27:59
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\1001177-01.020
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	259244.339	259244.339				mg/L
	Sb	121	1630.869	0.005	0.000215	0.000	4.670	mg/L
	Sb	123	1288.027	0.004	0.000222	0.000	0.623	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	92.983
	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	261080.549	261080.549		mg/L
	Sb	121	1643.205	0.006	0.000214	mg/L
	Sb	123	1290.109	0.004	0.000220	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	263495.282	263495.282		mg/L
	Sb	121	1598.194	0.005	0.000206	mg/L
	Sb	123	1310.868	0.004	0.000222	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	253147.208	253147.208		mg/L
	Sb	121	1663.208	0.006	0.000226	mg/L
	Sb	123	1263.104	0.004	0.000223	mg/L

00519

Sample Information

Sample ID: 1001177-02
Autosampler Position: 23
Sample Date/Time: Wednesday, January 20, 2010 11:30:06
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\1001177-02.021
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	In	115	262232.543	262232.543				mg/L
|	Sb	121	2849.597	0.010	0.000408	0.000	4.086	mg/L
L	Sb	123	2249.019	0.008	0.000423	0.000	2.756	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	In	114.904	94.055
|	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	261785.154	261785.154		mg/L
|	Sb	121	2841.635	0.010	0.000424	mg/L
L	Sb	123	2186.582	0.007	0.000411	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	269901.156	269901.156		mg/L
|	Sb	121	2821.588	0.009	0.000391	mg/L
L	Sb	123	2320.128	0.008	0.000424	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	255011.320	255011.320		mg/L
|	Sb	121	2785.571	0.010	0.000411	mg/L
L	Sb	123	2238.346	0.008	0.000434	mg/L

00529

Sample Information

Sample ID: 1001177-03
Autosampler Position: 24
Sample Date/Time: Wednesday, January 20, 2010 11:32:13
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\1001177-03.022
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	264928.265	264928.265				mg/L
	Sb	121	2795.242	0.009	0.000395	0.000	1.014	mg/L
	Sb	123	2197.545	0.007	0.000408	0.000	3.174	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	95.022
	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	261857.958	261857.958		mg/L
Sb	121	2791.573	0.009	0.000400	mg/L
Sb	123	2168.963	0.007	0.000407	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	270479.738	270479.738		mg/L
Sb	121	2839.583	0.009	0.000393	mg/L
Sb	123	2183.454	0.007	0.000396	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	262447.101	262447.101		mg/L
Sb	121	2754.558	0.009	0.000393	mg/L
Sb	123	2240.229	0.008	0.000421	mg/L

09521

Sample Information

Sample ID: 1001177-04
Autosampler Position: 25
Sample Date/Time: Wednesday, January 20, 2010 11:34:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\1001177-04.023
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	In	115	245642.930	245642.930				mg/L
|	Sb	121	1947.618	0.007	0.000284	0.000	2.093	mg/L
⌊	Sb	123	1586.902	0.005	0.000305	0.000	1.299	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	In	114.904	88.105
|	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	245568.388	245568.388		mg/L
|	Sb	121	1947.286	0.007	0.000284	mg/L
⌊	Sb	123	1603.281	0.006	0.000309	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	In	115	250339.410	250339.410		mg/L
|	Sb	121	1950.288	0.007	0.000278	mg/L
⌊	Sb	123	1618.032	0.006	0.000308	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	In	115	241023.981	241023.981		mg/L
|	Sb	121	1946.284	0.007	0.000280	mg/L
⌊	Sb	123	1539.382	0.006	0.000301	mg/L

00522

Sample Information

Sample ID: 1001177-05
Autosampler Position: 26
Sample Date/Time: Wednesday, January 20, 2010 11:36:27
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\1001177-05.024
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	257635.374	257635.374				mg/L
	Sb	121	8969.720	0.034	0.001423	0.000	0.564	mg/L
	Sb	123	6862.421	0.026	0.001430	0.000	3.839	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	92.406
	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	262879.940	262879.940		mg/L
	Sb	121	9109.997	0.033	0.001416	mg/L
	Sb	123	6992.588	0.026	0.001428	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	252067.850	252067.850		mg/L
	Sb	121	8764.461	0.034	0.001421	mg/L
	Sb	123	6869.815	0.027	0.001487	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	257968.332	257968.332		mg/L
	Sb	121	9034.801	0.034	0.001432	mg/L
	Sb	123	6824.881	0.025	0.001377	mg/L

00523

Sample Information

Sample ID: 0A20017-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, January 20, 2010 11:38:31
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\0A20017-CCV.025
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	In	115	263065.343	263065.343				mg/L
|	Sb	121	251940.528	0.957	0.040548	0.001	3.322	mg/L
⌊	Sb	123	195294.877	0.741	0.041335	0.001	1.210	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	In	114.904	94.354
|	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	264133.894	264133.894		mg/L
|	Sb	121	248498.168	0.940	0.039813	mg/L
⌊	Sb	123	198750.404	0.751	0.041897	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	In	115	256793.734	256793.734		mg/L
|	Sb	121	255468.747	0.994	0.042103	mg/L
⌊	Sb	123	189888.701	0.738	0.041172	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	In	115	268268.400	268268.400		mg/L
|	Sb	121	251853.672	0.938	0.039728	mg/L
⌊	Sb	123	197245.528	0.734	0.040937	mg/L

0052

Sample Information

Sample ID: 0A20017-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, January 20, 2010 11:41:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\0A20017-CCB.026
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	In	115	262901.446	262901.446				mg/L
|	Sb	121	469.020	0.001	0.000023	0.000	37.159	mg/L
L	Sb	123	372.424	0.000	0.000024	0.000	15.789	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	In	114.904	94.295
|	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	264951.124	264951.124		mg/L
|	Sb	121	535.026	0.001	0.000033	mg/L
L	Sb	123	392.134	0.000	0.000027	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	270272.556	270272.556		mg/L
|	Sb	121	445.018	0.000	0.000018	mg/L
L	Sb	123	384.133	0.000	0.000024	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	253480.856	253480.856		mg/L
|	Sb	121	427.017	0.000	0.000018	mg/L
L	Sb	123	341.008	0.000	0.000020	mg/L

00525

Sample Information

Sample ID: 1000411-MS1
Autosampler Position: 27
Sample Date/Time: Wednesday, January 20, 2010 11:43:40
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\1000411-MS1.027
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	257953.529	257953.529				mg/L
	Sb	121	239202.204	0.926	0.039246	0.001	2.251	mg/L
	Sb	123	180560.833	0.699	0.038971	0.000	0.973	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	92.521
	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	258496.409	258496.409		mg/L
	Sb	121	244408.588	0.944	0.040012	mg/L
	Sb	123	178924.644	0.691	0.038536	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	261261.814	261261.814		mg/L
	Sb	121	235340.478	0.903	0.038279	mg/L
	Sb	123	183720.150	0.702	0.039150	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	254103.368	254103.368		mg/L
	Sb	121	236856.348	0.931	0.039448	mg/L
	Sb	123	179037.708	0.704	0.039227	mg/L

00526

Sample Information

Sample ID: 1000411-MSD1
Autosampler Position: 28
Sample Date/Time: Wednesday, January 20, 2010 11:45:45
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\1000411-MSD1.028
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	In	115	257986.355	257986.355				mg/L
|	Sb	121	237355.709	0.919	0.038957	0.001	3.215	mg/L
[	Sb	123	183324.218	0.710	0.039579	0.001	2.154	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	In	114.904	92.532
|	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	263064.380	263064.380		mg/L
|	Sb	121	235326.978	0.893	0.037866	mg/L
[	Sb	123	184906.284	0.702	0.039134	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	249103.271	249103.271		mg/L
|	Sb	121	237332.780	0.952	0.040319	mg/L
[	Sb	123	181478.037	0.728	0.040562	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	261801.436	261801.436		mg/L
|	Sb	121	239408.371	0.913	0.038687	mg/L
[	Sb	123	183588.333	0.700	0.039042	mg/L

88527

Sample Information

Sample ID: 0A20017-SRD1
Autosampler Position: 29
Sample Date/Time: Wednesday, January 20, 2010 11:47:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\0A20017-SRD1.029
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	259910.105	259910.105				mg/L
	Sb	121	2193.359	0.007	0.000305	0.000	2.391	mg/L
	Sb	123	1684.288	0.005	0.000306	0.000	1.912	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	93.222
	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	261013.416	261013.416		mg/L
	Sb	121	2196.358	0.007	0.000304	mg/L
	Sb	123	1681.303	0.005	0.000300	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	254486.582	254486.582		mg/L
	Sb	121	2195.359	0.007	0.000313	mg/L
	Sb	123	1686.817	0.005	0.000308	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	264230.316	264230.316		mg/L
	Sb	121	2189.357	0.007	0.000298	mg/L
	Sb	123	1735.844	0.005	0.000311	mg/L

00528

Sample Information

Sample ID: 1000411-PS1
Autosampler Position: 30
Sample Date/Time: Wednesday, January 20, 2010 11:49:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\1000411-PS1.030
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	256365.002	256365.002				mg/L
	Sb	121	128606.224	0.501	0.021215	0.001	2.865	mg/L
	Sb	123	96834.481	0.377	0.021012	0.001	2.394	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	91.951
	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	260802.651	260802.651		mg/L
Sb	121	130819.388	0.500	0.021202	mg/L
Sb	123	98113.584	0.388	0.020491	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	260473.632	260473.632		mg/L
Sb	121	127030.862	0.486	0.020613	mg/L
Sb	123	98598.737	0.378	0.021049	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	247818.722	247818.722		mg/L
Sb	121	127868.405	0.515	0.021826	mg/L
Sb	123	95791.151	0.388	0.021488	mg/L

00529

Sample Information

Sample ID: 1001177-12
Autosampler Position: 31
Sample Date/Time: Wednesday, January 20, 2010 11:51:59
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\1001177-12.031
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	In	115	269329.538	269329.538				mg/L
|	Sb	121	4728.278	0.016	0.000692	0.000	3.335	mg/L
L	Sb	123	3634.927	0.013	0.000697	0.000	1.383	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	In	114.904	96.601
|	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	267970.621	267970.621		mg/L
|	Sb	121	4743.822	0.016	0.000698	mg/L
L	Sb	123	3631.052	0.013	0.000700	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	264612.580	264612.580		mg/L
|	Sb	121	4769.640	0.017	0.000712	mg/L
L	Sb	123	3519.368	0.012	0.000686	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	275405.434	275405.434		mg/L
|	Sb	121	4671.574	0.016	0.000687	mg/L
L	Sb	123	3754.382	0.013	0.000706	mg/L

00539

Sample Information

Sample ID: 1001177-13
Autosampler Position: 32
Sample Date/Time: Wednesday, January 20, 2010 11:54:05
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\1001177-13.032
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	257175.811	257175.811				mg/L
	Sb	121	27027.659	0.104	0.004402	0.000	2.987	mg/L
	Sb	123	20538.431	0.079	0.004398	0.000	2.918	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	92.242
	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	259818.418	259818.418		mg/L
Sb	121	27694.863	0.106	0.004468	mg/L
Sb	123	20098.147	0.076	0.004256	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	260820.587	260820.587		mg/L
Sb	121	26488.288	0.100	0.004251	mg/L
Sb	123	21354.678	0.081	0.004810	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	250886.448	250886.448		mg/L
Sb	121	26899.828	0.108	0.004491	mg/L
Sb	123	20162.467	0.079	0.004425	mg/L

00531

Sample Information

Sample ID: 1001177-14
Autosampler Position: 33
Sample Date/Time: Wednesday, January 20, 2010 11:56:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\1001177-14.033
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	In	115	241648.183	241648.183				mg/L
|	Sb	121	1863.929	0.006	0.000275	0.000	3.682	mg/L
[	Sb	123	1490.414	0.005	0.000289	0.000	3.256	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	In	114.904	86.672
|	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	245734.728	245734.728		mg/L
|	Sb	121	1842.256	0.006	0.000266	mg/L
[	Sb	123	1533.894	0.006	0.000283	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	238544.620	238544.620		mg/L
|	Sb	121	1901.272	0.007	0.000286	mg/L
[	Sb	123	1499.509	0.005	0.000286	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	240868.200	240868.200		mg/L
|	Sb	121	1848.258	0.006	0.000273	mg/L
[	Sb	123	1437.839	0.005	0.000278	mg/L

Sample Information

Sample ID: 1001177-15
Autosampler Position: 34
Sample Date/Time: Wednesday, January 20, 2010 11:58:16
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\1001177-15.034
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	241958.449	241958.449				mg/L
	Sb	121	2509.133	0.009	0.000387	0.000	4.195	mg/L
	Sb	123	2045.058	0.007	0.000416	0.000	4.821	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	86.784
	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	245852.348	245852.348		mg/L
	Sb	121	2577.491	0.009	0.000392	mg/L
	Sb	123	1976.756	0.007	0.000393	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	245311.281	245311.281		mg/L
	Sb	121	2440.441	0.009	0.000388	mg/L
	Sb	123	2131.159	0.008	0.000429	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	234711.720	234711.720		mg/L
	Sb	121	2509.486	0.009	0.000401	mg/L
	Sb	123	2027.260	0.008	0.000428	mg/L

00533

Sample Information

Sample ID: 1000467-BLK1
Autosampler Position: 35
Sample Date/Time: Wednesday, January 20, 2010 12:00:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\1000467-BLK1.035
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	In	115	254809.359	254809.359				mg/L
|	Sb	121	376.347	0.000	0.000010	0.000	77.101	mg/L
⌊	Sb	123	291.417	0.000	0.000009	0.000	89.896	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	In	114.904	91.393
|	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	250397.447	250397.447		mg/L
|	Sb	121	420.017	0.000	0.000019	mg/L
⌊	Sb	123	326.130	0.000	0.000018	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	In	115	259817.337	259817.337		mg/L
|	Sb	121	379.014	0.000	0.000010	mg/L
⌊	Sb	123	288.379	0.000	0.000008	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	In	115	254113.281	254113.281		mg/L
|	Sb	121	330.011	0.000	0.000009	mg/L
⌊	Sb	123	261.742	0.000	0.000002	mg/L

99534

Sample Information

Sample ID: 1000467-BS1
Autosampler Position: 36
Sample Date/Time: Wednesday, January 20, 2010 12:02:30
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\1000467-BS1.036
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	In	115	254744.764	254744.764				mg/L
|	Sb	121	224748.893	0.882	0.037368	0.001	3.941	mg/L
[	Sb	123	172205.878	0.676	0.037667	0.002	3.999	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	In	114.904	91.370
|	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	254323.342	254323.342		mg/L
|	Sb	121	227576.775	0.894	0.037885	mg/L
[	Sb	123	168639.031	0.662	0.036892	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	254766.311	254765.311		mg/L
|	Sb	121	223488.988	0.843	0.036712	mg/L
[	Sb	123	174578.184	0.656	0.036707	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	245145.640	245145.640		mg/L
|	Sb	121	223202.917	0.909	0.038528	mg/L
[	Sb	123	173500.419	0.707	0.038404	mg/L

00535

Sample Information

Sample ID: 0A20017-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, January 20, 2010 12:04:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\0A20017-CCV.037
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	257280.739	257280.739				mg/L
	Sb	121	251589.038	0.977	0.041403	0.001	2.779	mg/L
	Sb	123	195225.782	0.758	0.042259	0.001	1.846	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	92.279
	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	257667.238	257667.238		mg/L
	Sb	121	249980.868	0.968	0.041011	mg/L
	Sb	123	198680.735	0.770	0.042932	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	250408.137	250408.137		mg/L
	Sb	121	252638.884	1.008	0.042698	mg/L
	Sb	123	190886.128	0.761	0.042441	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	263776.848	263776.848		mg/L
	Sb	121	252437.783	0.956	0.040600	mg/L
	Sb	123	196150.482	0.743	0.041404	mg/L

90536

Sample Information

Sample ID: 0A20017-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, January 20, 2010 12:07:40
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\0A20017-CCB.038
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	260045.367	260045.367				mg/L
	Sb	121	507.356	0.001	0.000030	0.000	11.776	mg/L
	Sb	123	387.758	0.001	0.000028	0.000	16.225	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	93.271
	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	266834.688	266834.688		mg/L
	Sb	121	538.026	0.001	0.000033	mg/L
	Sb	123	410.261	0.001	0.000031	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	256822.788	256822.788		mg/L
	Sb	121	508.023	0.001	0.000032	mg/L
	Sb	123	394.758	0.001	0.000031	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	256578.619	256578.619		mg/L
	Sb	121	476.021	0.001	0.000029	mg/L
	Sb	123	358.267	0.000	0.000023	mg/L

00537

Sample Information

Sample ID: 1001209-01
Autosampler Position: 37
Sample Date/Time: Wednesday, January 20, 2010 12:09:46
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\1001209-01.039
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	245362.719	245362.719				mg/L
	Sb	121	5717.679	0.022	0.000936	0.000	3.045	mg/L
	Sb	123	4582.011	0.018	0.000987	0.000	5.537	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	88.005
	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	249583.084	249583.084		mg/L
Sb	121	5825.270	0.021	0.000903	mg/L
Sb	123	4612.580	0.017	0.000875	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	238840.823	238840.823		mg/L
Sb	121	5675.310	0.023	0.000955	mg/L
Sb	123	4718.264	0.018	0.001048	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	247654.271	247654.271		mg/L
Sb	121	5882.458	0.022	0.000949	mg/L
Sb	123	4415.179	0.017	0.000938	mg/L

00536

Sample Information

Sample ID: 1000467-MS1
Autosampler Position: 38
Sample Date/Time: Wednesday, January 20, 2010 12:11:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\1000467-MS1.040
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	In	115	242986.600	242986.600				mg/L
|	Sb	121	224577.870	0.923	0.039119	0.001	2.912	mg/L
L	Sb	123	170946.738	0.702	0.039164	0.001	1.909	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	In	114.904	87.152
|	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	241985.268	241985.268		mg/L
|	Sb	121	225338.378	0.930	0.039408	mg/L
L	Sb	123	167052.777	0.688	0.038433	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	245773.542	245773.542		mg/L
|	Sb	121	219817.293	0.894	0.037883	mg/L
L	Sb	123	176258.144	0.716	0.039928	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	In	115	241200.990	241200.990		mg/L
|	Sb	121	228478.941	0.946	0.040088	mg/L
L	Sb	123	169532.292	0.702	0.039132	mg/L

09539

Sample Information

Sample ID: 1000467-MSD1
Autosampler Position: 39
Sample Date/Time: Wednesday, January 20, 2010 12:13:58
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\1000467-MSD1.041
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	244354.356	244354.356				mg/L
	Sb	121	230581.032	0.942	0.039934	0.000	0.850	mg/L
	Sb	123	176518.481	0.721	0.040224	0.000	1.173	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	87.643
	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	241012.836	241012.836		mg/L
	Sb	121	229452.388	0.951	0.040289	mg/L
	Sb	123	173852.562	0.720	0.040115	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	249566.811	249566.811		mg/L
	Sb	121	235308.411	0.942	0.039900	mg/L
	Sb	123	178472.825	0.714	0.039818	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	242483.423	242483.423		mg/L
	Sb	121	226982.298	0.935	0.039812	mg/L
	Sb	123	177450.088	0.731	0.040740	mg/L

Sample Information

Sample ID: 0A20017-SRD2
Autosampler Position: 40
Sample Date/Time: Wednesday, January 20, 2010 12:16:04
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\0A20017-SRD2.042
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	252888.820	252888.820				mg/L
	Sb	121	1675.880	0.005	0.000229	0.000	2.286	mg/L
	Sb	123	1295.098	0.004	0.000230	0.000	2.997	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	90.704
	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	253014.083	253014.083		mg/L
	Sb	121	1667.211	0.005	0.000227	mg/L
	Sb	123	1260.845	0.004	0.000223	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	256138.936	256138.936		mg/L
	Sb	121	1672.212	0.006	0.000224	mg/L
	Sb	123	1321.348	0.004	0.000233	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	249513.442	249513.442		mg/L
	Sb	121	1688.218	0.008	0.000236	mg/L
	Sb	123	1303.104	0.004	0.000236	mg/L

Sample Information

Sample ID: 1000467-PS1
Autosampler Position: 41
Sample Date/Time: Wednesday, January 20, 2010 12:18:09
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\1000467-PS1.043
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	247278.279	247278.279				mg/L
	Sb	121	121758.145	0.491	0.020818	0.001	3.127	mg/L
	Sb	123	92279.809	0.372	0.020752	0.000	0.579	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	88.692
	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	245335.608	245335.608		mg/L
	Sb	121	124645.382	0.507	0.021478	mg/L
	Sb	123	91358.149	0.371	0.020708	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	252623.761	252623.761		mg/L
	Sb	121	120587.571	0.476	0.020174	mg/L
	Sb	123	93870.178	0.371	0.020882	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	243875.488	243875.488		mg/L
	Sb	121	120041.482	0.491	0.020808	mg/L
	Sb	123	91811.101	0.375	0.020888	mg/L

39542

Sample Information

Sample ID: 1001209-02
Autosampler Position: 42
Sample Date/Time: Wednesday, January 20, 2010 12:20:14
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\1001209-02.044
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	247056.244	247056.244				mg/L
	Sb	121	7909.791	0.031	0.001305	0.000	3.259	mg/L
	Sb	123	6151.423	0.024	0.001334	0.000	3.419	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	88.612
	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	248231.156	248231.156		mg/L
Sb	121	8136.712	0.032	0.001337	mg/L
Sb	123	6080.189	0.024	0.001311	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	252452.118	252452.118		mg/L
Sb	121	7797.331	0.030	0.001257	mg/L
Sb	123	6156.528	0.023	0.001305	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	240486.458	240486.458		mg/L
Sb	121	7798.330	0.031	0.001322	mg/L
Sb	123	6217.554	0.025	0.001388	mg/L

Sample Information

Sample ID: 1001209-03
Autosampler Position: 43
Sample Date/Time: Wednesday, January 20, 2010 12:22:20
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\1001209-03.045
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	247405.980	247405.980				mg/L
	Sb	121	5618.932	0.021	0.000911	0.000	4.398	mg/L
	Sb	123	4515.938	0.017	0.000963	0.000	3.825	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	88.737
	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	245327.358	245327.358		mg/L
	Sb	121	5662.292	0.022	0.000924	mg/L
	Sb	123	4313.851	0.017	0.000925	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	254804.012	254804.012		mg/L
	Sb	121	5516.184	0.020	0.000888	mg/L
	Sb	123	4653.698	0.017	0.000984	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	242288.570	242288.570		mg/L
	Sb	121	5689.321	0.022	0.000943	mg/L
	Sb	123	4580.268	0.018	0.000998	mg/L

Sample Information

Sample ID: 1001209-04
Autosampler Position: 44
Sample Date/Time: Wednesday, January 20, 2010 12:24:25
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\1001209-04.046
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	245976.683	245976.683				mg/L
	Sb	121	5507.511	0.021	0.000897	0.000	1.702	mg/L
	Sb	123	4339.868	0.017	0.000929	0.000	3.753	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	88.225
	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	246883.688	246883.688		mg/L
	Sb	121	5586.239	0.021	0.000907	mg/L
	Sb	123	4196.787	0.016	0.000893	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	251103.842	251103.842		mg/L
	Sb	121	5519.187	0.021	0.000879	mg/L
	Sb	123	4443.928	0.017	0.000932	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	239982.536	239982.536		mg/L
	Sb	121	5417.108	0.021	0.000904	mg/L
	Sb	123	4378.892	0.017	0.000982	mg/L

99545

Sample Information

Sample ID: 0A20017-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, January 20, 2010 12:26:31
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\0A20017-CCV.047
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	257841.309	257841.309				mg/L
	Sb	121	251669.112	0.975	0.041314	0.001	1.570	mg/L
	Sb	123	193093.015	0.748	0.041711	0.001	2.402	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	92.480
	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	254022.228	254022.228		mg/L
	Sb	121	252263.773	0.982	0.042028	mg/L
	Sb	123	192706.862	0.758	0.042240	mg/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	264236.000	264236.000		mg/L
	Sb	121	254503.170	0.982	0.040780	mg/L
	Sb	123	192475.223	0.727	0.040566	mg/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	In	115	255263.698	255263.698		mg/L
	Sb	121	248240.394	0.971	0.041155	mg/L
	Sb	123	194096.858	0.759	0.042338	mg/L

00546

Sample Information

Sample ID: 0A20017-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, January 20, 2010 12:29:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A20017.sam
Method File: C:\elandata\Method\TriMatrix Solid_6020A_114.mth
Dataset File: C:\Elandata\DataSet\0A20017\0A20017-CCB.048
Tuning File: C:\Elandata\Tuning\20JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\20JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	In	115	259443.262	259443.262				mg/L
	Sb	121	429.351	0.000	0.000018	0.000	21.227	mg/L
	Sb	123	331.130	0.000	0.000016	0.000	37.078	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	In	114.904	93.055
	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	252681.081	252681.081		mg/L
Sb	121	433.017	0.000	0.000020	mg/L
Sb	123	351.131	0.000	0.000022	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	267950.488	267950.488		mg/L
Sb	121	416.018	0.000	0.000014	mg/L
Sb	123	309.256	0.000	0.000016	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
In	115	257898.215	257898.215		mg/L
Sb	121	439.018	0.000	0.000020	mg/L
Sb	123	303.002	0.000	0.000018	mg/L

00547

GPP KW 1-25-10

AW 1/26

TriMatrix Laboratories, Inc.

CALID: OA92003

Metals Laboratory Instrument Run Sequence

Instrument #: 114

Data File: OA21031

Date: 1/21/10

Calibration BLK/ICB/CCB: 1% HNO3 LOT#1109060

Analyst: MSM

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 9110400
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 9110402
11. IFB1 9110403

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	1000385-BLK1				35/51				
2/18	-BS1				36/52				
3/19	1001142-01				37/53				
4/20	1001177-07 DUP	MSM 1/21/10			38/54				
5/21	-MS1				39/55				
6/22	-MSD1				40/56				
7/23	-SRD1	0.4	10	25	41/57				
8/24	-PS1				42/58				
9/25	1001177-08				43/59				
10/26	-10				44/60				
11/27	1000384-BLK1				45/61				
12/28	-BS1				46/62				
13/29	1001142-01				47/63				
14/30	1001177-07				48/64				
15/31	-MS1				49/65				
16/32	-MSD1				50/66				
17/33	-SRD2	0.4	10	25	51/67				
18/34	-PS1				52/68				
19/35	1001177-09				53/69				
20/36	-11				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				

Total

Dissolved

Instrument Tuning Report

File Name: 21JAN2010_6020A_D.tun
File Path: C:\Elandata\Tuning

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
Li	7.016	7.025	1525	2025	0.836	
Co	58.933	59.029	14207	2005	0.867	
In	114.904	114.927	27853	2000	0.856	
Ba	137.905	137.879	33452	1990	0.871	
Ce	139.905	139.879	33942	1985	0.883	
Tl	204.975	204.927	49817	1980	0.869	

Report Date/Time: Thursday, January 21, 2010 12:51:08

Daily Performance Report

Sample ID: 9101006
Sample Date/Time: Thursday, January 21, 2010 12:51:31
Sample Description:
Method File: C:\elandata\Method\6020A_Daily.mth
Dataset File:
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_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	10205.3	10205.286	95.593	0.9
	Co	58.9	116506.3	116506.315	1747.250	1.5
	In	114.9	300946.2	300946.203	2608.190	0.9
	Tl	205.0	206689.0	206689.038	2771.056	1.3
⌈>	Ba	137.9	236297.5	236297.540	3137.081	1.3
⌊	Ba++	69.0	3862.4	0.016	0.000	2.6
⌈>	Ce	139.9	303362.8	303362.764	4978.280	1.6
⌊	CeO	155.9	7673.0	0.025	0.001	5.3
	Bkgd	220.0	6.3	6.333	2.251	35.5

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	10245.342	10245.342
Co	59	119203.431	119203.431
In	115	300484.847	300484.847
Tl	205	205015.571	205015.571
Ba	138	238107.541	238107.541
Ba++	69	3952.093	0.017
Ce	140	303410.018	303410.018
CeO	156	8337.864	0.027
Bkgd	220	7.000	7.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	10176.244	10176.244
Co	59	114962.765	114962.765
In	115	302157.534	302157.534
Tl	205	210851.829	210851.829
Ba	138	239095.853	239095.853
Ba++	69	3848.036	0.016
Ce	140	294671.343	294671.343
CeO	156	7739.190	0.026
Bkgd	220	7.000	7.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	10350.494	10350.494
Co	59	115019.670	115019.670
In	115	300239.917	300239.917
Tl	205	209004.716	209004.716
Ba	138	230604.154	230604.154
Ba++	69	3944.089	0.017
Ce	140	304604.269	304604.269
CeO	156	7642.086	0.025
Bkgd	220	4.000	4.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	10234.327	10234.327
Co	59	115541.999	115541.999
In	115	297471.768	297471.768

Tl	205	203224.463	203224.463
Ba	138	238023.258	238023.258
Ba++	69	3841.032	0.016
Ce	140	310161.932	310161.932
CeO	156	7386.818	0.024
Bkgd	220	10.000	10.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	10158.218	10158.218
Co	59	116253.403	116253.403
In	115	305295.731	305295.731
Tl	205	206033.232	206033.232
Ba	138	237095.642	237095.642
Ba++	69	3789.005	0.016
Ce	140	304123.416	304123.416
CeO	156	7460.895	0.025
Bkgd	220	6.000	6.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	10067.089	10067.089
Co	59	118056.619	118056.619
In	115	300027.423	300027.423
Tl	205	206004.419	206004.419
Ba	138	234858.790	234858.790
Ba++	69	3800.011	0.016
Ce	140	303205.607	303205.607
CeO	156	7470.905	0.025
Bkgd	220	4.000	4.000

Sample/Batch Report

User Name: Administrator
Computer Name: ELAN6000_22
Sample File: C:\Elandata\Sample\0A21031.sam
Report Date/Time: Thursday, January 21, 2010 12:58:33

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
17		1000385-BLK1		Sample					
18		1000385-BS1		Sample					
19		1001142-01		Sample					
20		1001177-06		Sample					
21		1000385-MS1		Sample					
22		1000385-MSD1		Sample					
23		0A21031-SRD1		Sample					
24		1000385-PS1		Sample					
25		1001177-08		Sample					
26		1001177-10		Sample					
27		1000386-BLK1		Sample					
28		1000386-BS1		Sample					
29		1001142-01		Sample					
30		1001177-07		Sample					
31		1000386-MS1		Sample					
32		1000386-MSD1		Sample					
33		0A21031-SRD2		Sample					
34		1000386-PS1		Sample					
35		1001177-09		Sample					
36		1001177-11		Sample					

Sample Information

Sample ID: 0A21031-CAL1
Autosampler Position: 1
Sample Date/Time: Thursday, January 21, 2010 12:59:51
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\0A21031-CAL1.001
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	532742.741					ug/L
⌊	Be	9	3.000					ug/L
⌈	V	51	3803.303					ug/L
|	Cr	52	12060.963					ug/L
|	Cr	53	2814.249					ug/L
|	Co	59	76.335					ug/L
|	Cu	63	320.010					ug/L
|	Cu	65	168.670					ug/L
|	Zn	66	3455.537					ug/L
|	Zn	68	2745.555					ug/L
|>	Ge	72	400720.627					ug/L
|	As	75	472.540					ug/L
|	Se	77	231.006					ug/L
⌊	Se	82	15.706					ug/L
⌈>	Rh	103	438236.187					ug/L
|	Ag	107	19.334					ug/L
|	Cd	111	2.144					ug/L
⌊	Cd	114	10.421					ug/L
⌈>	In	115	362721.892					ug/L
|	Sb	121	84.001					ug/L
⌊	Sb	123	60.954					ug/L
⌈	Tl	203	60.334					ug/L
|	Tl	205	134.003					ug/L
|	Pb	208	1004.370					ug/L
⌊>	Bi	209	435163.181					ug/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	

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	Se	81.917
>	Rh	102.905
	Ag	106.905
	Cd	110.904
	Cd	113.904
>	In	114.904
	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	532590.154			ug/L
Be	9	4.000			ug/L
V	51	3649.647			ug/L
Cr	52	12084.300			ug/L
Cr	53	2810.581			ug/L
Co	59	68.001			ug/L
Cu	63	334.011			ug/L
Cu	65	165.004			ug/L
Zn	66	3538.912			ug/L
Zn	68	2738.563			ug/L
Ge	72	401566.103			ug/L
As	75	419.342			ug/L
Se	77	249.007			ug/L
Se	82	45.958			ug/L
Rh	103	443328.922			ug/L
Ag	107	15.000			ug/L
Cd	111	7.313			ug/L
Cd	114	6.308			ug/L
In	115	366196.081			ug/L
Sb	121	92.002			ug/L
Sb	123	62.120			ug/L
Tl	203	62.001			ug/L
Tl	205	141.003			ug/L
Pb	208	1046.039			ug/L
Bi	209	443862.082			ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	526236.089			ug/L
Be	9	2.000			ug/L
V	51	3706.343			ug/L
Cr	52	11866.988			ug/L
Cr	53	2855.589			ug/L
Co	59	75.001			ug/L
Cu	63	335.011			ug/L
Cu	65	164.004			ug/L
Zn	66	3411.649			ug/L
Zn	68	2746.556			ug/L
Ge	72	399811.716			ug/L
As	75	489.649			ug/L
Se	77	210.006			ug/L
Se	82	6.439			ug/L
Rh	103	435600.564			ug/L
Ag	107	18.000			ug/L
Cd	111	4.091			ug/L
Cd	114	-1.648			ug/L
In	115	363773.184			ug/L
Sb	121	86.001			ug/L
Sb	123	63.372			ug/L
Tl	203	57.001			ug/L
Tl	205	130.002			ug/L
Pb	208	985.038			ug/L
Bi	209	431784.821			ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	539401.979			ug/L
Be	9	3.000			ug/L
V	51	4053.918			ug/L
Cr	52	12252.822			ug/L
Cr	53	2776.587			ug/L
Co	59	66.001			ug/L
Cu	63	291.009			ug/L
Cu	65	177.004			ug/L
Zn	66	3415.881			ug/L
Zn	68	2750.557			ug/L
Ge	72	400785.084			ug/L
As	75	508.629			ug/L
Se	77	234.008			ug/L
Se	82	9.501			ug/L
Rh	103	435781.084			ug/L
Ag	107	25.000			ug/L
Cd	111	3.209			ug/L
Cd	114	26.608			ug/L

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[>	In	115	359687.440	ug/L
[	Sb	121	74.001	ug/L
[	Sb	123	57.371	ug/L
[	Tl	203	62.001	ug/L
[	Tl	205	131.003	ug/L
[	Pb	208	982.038	ug/L
[>	Bi	209	429872.638	ug/L

Sample Information

Sample ID: 0A21031-CAL2
Autosampler Position: 9
Sample Date/Time: Thursday, January 21, 2010 13:03:56
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\0A21031-CAL2.002
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	527704.261	527704.261				ug/L
	Be	9	13.667	0.000				ug/L
	V	51	4391.578	0.002				ug/L
	Cr	52	12665.012	0.002				ug/L
	Cr	53	2973.983	0.000				ug/L
	Co	59	594.697	0.001				ug/L
	Cu	63	463.353	0.000				ug/L
	Cu	65	250.340	0.000				ug/L
	Zn	66	562.694	-0.007				ug/L
	Zn	68	658.037	-0.005				ug/L
>	Ge	72	395888.417	395888.417				ug/L
	As	75	621.825	0.000				ug/L
	Se	77	221.672	-0.000				ug/L
	Se	82	11.680	-0.000				ug/L
>	Rh	103	437085.061	437085.061				ug/L
	Ag	107	432.017	0.001	0.040000	0.002	5.706	ug/L
	Cd	111	101.489	0.000	0.040000	0.004	9.149	ug/L
	Cd	114	255.994	0.001	0.040000	0.002	5.925	ug/L
>	In	115	363028.154	363028.154				ug/L
	Sb	121	398.015	0.001				ug/L
	Sb	123	309.795	0.001				ug/L
	Tl	203	405.349	0.001	0.040000	0.002	4.332	ug/L
	Tl	205	996.746	0.002	0.040000	0.001	1.794	ug/L
	Pb	208	1832.444	0.002				ug/L
>	Bi	209	436677.772	436677.772				ug/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	

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	Se	81.917
>	Rh	102.905
	Ag	106.905
	Cd	110.904
	Cd	113.904
>	In	114.904
	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	534261.313	534261.313		ug/L
Be	9	12.000	0.000		ug/L
V	51	4338.808	0.001		ug/L
Cr	52	12586.223	0.001		ug/L
Cr	53	2902.619	0.000		ug/L
Co	59	586.035	0.001		ug/L
Cu	63	491.022	0.000		ug/L
Cu	65	238.008	0.000		ug/L
Zn	66	568.028	-0.007		ug/L
Zn	68	680.038	-0.006		ug/L
Ge	72	399083.563	399083.563		ug/L
As	75	588.879	0.000		ug/L
Se	77	229.008	-0.000		ug/L
Se	82	19.774	0.000		ug/L
Rh	103	435344.638	435344.638		ug/L
Ag	107	406.016	0.001	0.037541	ug/L
Cd	111	111.562	0.000	0.044225	ug/L
Cd	114	264.265	0.001	0.041625	ug/L
In	115	380357.870	380357.870		ug/L
Sb	121	392.015	0.001		ug/L
Sb	123	324.507	0.001		ug/L
Tl	203	405.016	0.001	0.039223	ug/L
Tl	205	967.080	0.002	0.039302	ug/L
Pb	208	1816.106	0.002		ug/L
Bi	209	443491.698	443491.698		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	522212.230	522212.230		ug/L
Be	9	13.000	0.000		ug/L
V	51	4222.987	0.001		ug/L
Cr	52	12587.349	0.002		ug/L
Cr	53	2930.630	0.000		ug/L
Co	59	606.032	0.001		ug/L
Cu	63	442.018	0.000		ug/L
Cu	65	272.008	0.000		ug/L
Zn	66	590.030	-0.007		ug/L
Zn	68	667.038	0.006		ug/L
Ge	72	399439.743	399439.743		ug/L
As	75	666.541	0.001		ug/L
Se	77	223.008	0.000		ug/L
Se	82	9.640	0.000		ug/L
Rh	103	435012.272	435012.272		ug/L
Ag	107	451.018	0.001	0.042081	ug/L
Cd	111	95.932	0.000	0.037936	ug/L
Cd	114	238.083	0.001	0.037270	ug/L
In	115	369435.184	369435.184		ug/L
Sb	121	415.016	0.001		ug/L
Sb	123	300.380	0.001		ug/L
Tl	203	396.016	0.001	0.038782	ug/L
Tl	205	1016.082	0.002	0.040738	ug/L
Pb	208	1843.113	0.002		ug/L
Bi	209	437716.212	437716.212		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	526639.240	526639.240		ug/L
Be	9	16.000	0.000		ug/L
V	51	4813.140	0.002		ug/L
Cr	52	12731.483	0.003		ug/L
Cr	53	3088.699	0.001		ug/L
Co	59	592.030	0.001		ug/L
Cu	63	457.018	0.000		ug/L
Cu	65	240.008	0.000		ug/L
Zn	66	532.025	-0.007		ug/L
Zn	68	627.034	-0.006		ug/L
Ge	72	399161.945	399161.945		ug/L
As	75	591.054	0.000		ug/L
Se	77	213.006	0.000		ug/L
Se	82	5.624	-0.000		ug/L
Rh	103	440898.277	440898.277		ug/L
Ag	107	440.018	0.001	0.040408	ug/L
Cd	111	96.973	0.000	0.037836	ug/L
Cd	114	265.656	0.001	0.041208	ug/L

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I>	In	115	350291 589	350291 589		ug/L
I	Sb	121	387 014	0 001		ug/L
I	Sb	123	304 498	0 001		ug/L
I	Tl	203	415 016	0 001	0 041986	ug/L
I	Tl	205	978 077	0 002	0 039982	ug/L
I	Pb	208	1838 111	0 002		ug/L
I>	Bi	209	428825 410	428825 410		ug/L

Sample ID: 0A21031-CAL2
Report Date/Time: Thursday, January 21, 2010 13:05:50

Sample Information

Sample ID: 0A21031-CAL3
Autosampler Position: 3
Sample Date/Time: Thursday, January 21, 2010 13:08:02
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\0A21031-CAL3.003
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	524874.444	524874.444				ug/L
	Be	9	68.334	0.000	0.200000	0.016	8.048	ug/L
	V	51	6420.326	0.007	0.200000	0.045	22.364	ug/L
	Cr	52	14562.977	0.007	0.200000	0.029	14.570	ug/L
	Cr	53	3263.111	0.001	0.200000	0.036	17.956	ug/L
	Co	59	2575.157	0.006	0.200000	0.005	2.469	ug/L
	Cu	63	1569.522	0.003	0.200000	0.009	4.543	ug/L
	Cu	65	825.389	0.002	0.200000	0.004	1.841	ug/L
	Zn	66	1031.085	-0.006	0.200000	0.003	1.574	ug/L
	Zn	68	980.410	-0.004	0.200000	0.003	1.361	ug/L
>	Ge	72	392770.352	392770.352				ug/L
	As	75	934.710	0.001	0.200000	0.039	19.475	ug/L
	Se	77	244.340	0.000	0.200000	0.161	80.734	ug/L
	Se	82	66.413	0.000	0.200000	0.110	54.953	ug/L
>	Rh	103	444966.820	444966.820				ug/L
	Ag	107	2031.643	0.005	0.199661	0.003	1.744	ug/L
	Cd	111	512.353	0.001	0.200063	0.007	3.656	ug/L
	Cd	114	1171.108	0.003	0.199410	0.002	1.181	ug/L
>	In	115	365779.759	365779.759				ug/L
	Sb	121	1755.233	0.005	0.200000	0.009	4.395	ug/L
	Sb	123	1303.251	0.003	0.200000	0.008	4.191	ug/L
	Tl	203	1855.926	0.004	0.200510	0.003	1.712	ug/L
	Tl	205	4320.350	0.010	0.199995	0.008	4.245	ug/L
	Pb	208	6725.654	0.014	0.200000	0.008	4.081	ug/L
>	Bi	209	424924.360	424924.360				ug/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	

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	Se	81.917
>	Rh	102.905
	Ag	106.905
	Cd	110.904
	Cd	113.904
>	In	114.904
	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	522579.703	522579.703		ug/L
	Be	9	68.001	0.000	0.199816	ug/L
	V	51	5842.751	0.005	0.150827	ug/L
	Cr	52	14373.581	0.006	0.171132	ug/L
	Cr	53	3293.792	0.001	0.193403	ug/L
	Co	59	2866.525	0.007	0.204846	ug/L
	Cu	63	1587.182	0.003	0.198180	ug/L
	Cu	65	823.066	0.002	0.196786	ug/L
	Zn	66	1063.088	-0.006	0.199417	ug/L
	Zn	68	989.078	-0.004	0.200646	ug/L
>	Ge	72	398388.370	398388.370		ug/L
	As	75	1032.224	0.001	0.235199	ug/L
	Se	77	250.007	0.000	0.222310	ug/L
	Se	82	98.702	0.000	0.313878	ug/L
>	Rh	103	440889.669	440889.669		ug/L
	Ag	107	2052.315	0.005	0.203643	ug/L
	Cd	111	517.701	0.001	0.204086	ug/L
	Cd	114	1175.814	0.003	0.201988	ug/L
>	In	115	374148.408	374148.408		ug/L
	Sb	121	1742.230	0.004	0.193862	ug/L
	Sb	123	1263.366	0.003	0.192119	ug/L
	Tl	203	1913.275	0.004	0.199200	ug/L
	Tl	205	4291.333	0.009	0.191075	ug/L
	Pb	208	6779.342	0.013	0.193248	ug/L
>	Bi	209	440786.898	440786.898		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	512384.254	512384.254		ug/L
	Be	9	72.001	0.000	0.216285	ug/L
	V	51	6840.660	0.007	0.211581	ug/L
	Cr	52	14688.233	0.007	0.199466	ug/L
	Cr	53	3210.754	0.001	0.187844	ug/L
	Co	59	2531.474	0.006	0.194748	ug/L
	Cu	63	1529.179	0.003	0.191382	ug/L
	Cu	65	829.068	0.002	0.201900	ug/L
	Zn	66	1000.080	0.006	0.203399	ug/L
	Zn	68	968.075	0.004	0.202343	ug/L
>	Ge	72	396212.192	396212.192		ug/L
	As	75	843.390	0.001	0.158156	ug/L
	Se	77	231.008	0.000	0.026538	ug/L
	Se	82	39.823	0.000	0.094848	ug/L
>	Rh	103	438506.781	438506.781		ug/L
	Ag	107	1974.293	0.004	0.196810	ug/L
	Cd	111	483.646	0.001	0.191621	ug/L
	Cd	114	1151.438	0.003	0.198883	ug/L
>	In	115	365332.504	365332.504		ug/L
	Sb	121	1723.225	0.004	0.196303	ug/L
	Sb	123	1358.839	0.004	0.208807	ug/L
	Tl	203	1801.245	0.004	0.187826	ug/L
	Tl	205	4268.318	0.010	0.200834	ug/L
	Pb	208	6547.235	0.013	0.197679	ug/L
>	Bi	209	417560.416	417560.416		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	539859.376	539859.376		ug/L
	Be	9	65.001	0.000	0.184099	ug/L
	V	51	5777.567	0.006	0.237612	ug/L
	Cr	52	14627.107	0.008	0.229403	ug/L
	Cr	53	3284.788	0.002	0.238753	ug/L
	Co	59	2524.471	0.006	0.200704	ug/L
	Cu	63	1592.193	0.003	0.209478	ug/L
	Cu	65	814.058	0.002	0.202344	ug/L
	Zn	66	1040.086	0.006	0.197184	ug/L
	Zn	68	983.077	0.004	0.197013	ug/L
>	Ge	72	383729.498	383729.498		ug/L
	As	75	928.516	0.001	0.206845	ug/L
	Se	77	252.007	0.000	0.349152	ug/L
	Se	82	62.715	0.000	0.191578	ug/L
>	Rh	103	455315.000	455315.000		ug/L
	Ag	107	2068.320	0.004	0.198830	ug/L
	Cd	111	535.712	0.001	0.204813	ug/L
	Cd	114	1186.272	0.003	0.197382	ug/L

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	357856.384	357856.384	0.210334	ug/L
115	1800.248	0.008	0.199774	ug/L
121	1288.748	0.003	0.204406	ug/L
123	1853.258	0.004	0.237876	ug/L
203	4401.408	0.010	0.208072	ug/L
205	5850.384	0.014		ug/L
208	416429.888	416429.888		
208				

00561

Sample ID: 0A21031-CAL3
Report Date/Time: Thursday, January 21, 2010 13:09:55

Sample Information

Sample ID: 0A21031-CAL4
Autosampler Position: 4
Sample Date/Time: Thursday, January 21, 2010 13:12:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\0A21031-CAL4.004
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	521918.425	521918.425				ug/L
	Be	9	331.678	0.001	1.000463	0.102	10.174	ug/L
	V	51	14854.317	0.028	0.991084	0.039	3.942	ug/L
	Cr	52	21495.542	0.024	0.982596	0.043	4.385	ug/L
	Cr	53	4053.190	0.003	0.961944	0.118	12.216	ug/L
	Co	59	12464.001	0.031	0.999149	0.018	1.807	ug/L
	Cu	63	6424.287	0.015	0.998426	0.054	5.376	ug/L
	Cu	65	3093.701	0.007	0.994575	0.024	2.404	ug/L
	Zn	66	2347.409	-0.003	0.721604	0.048	6.689	ug/L
	Zn	68	1874.931	-0.002	0.738742	0.040	5.478	ug/L
>	Ge	72	397725.620	397725.620				ug/L
	As	75	2562.333	0.005	0.994627	0.017	1.722	ug/L
	Se	77	387.014	0.000	1.016447	0.120	11.822	ug/L
	Se	82	235.329	0.001	0.993337	0.034	3.458	ug/L
>	Rh	103	446053.207	446053.207				ug/L
	Ag	107	10933.137	0.024	1.002988	0.023	2.303	ug/L
	Cd	111	2643.459	0.006	1.001305	0.017	1.682	ug/L
	Cd	114	5799.749	0.013	0.999690	0.013	1.294	ug/L
>	In	115	354389.878	354389.878				ug/L
	Sb	121	8083.989	0.023	0.999537	0.018	1.820	ug/L
	Sb	123	6324.608	0.018	1.001534	0.036	3.546	ug/L
	Tl	203	9183.325	0.021	0.999560	0.005	0.518	ug/L
	Tl	205	21080.276	0.048	0.998805	0.017	1.708	ug/L
	Pb	208	29720.438	0.066	0.998842	0.007	0.688	ug/L
>	Bi	209	437245.715	437245.715				ug/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
>	In	114.904
	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	541368.756	541368.756		ug/L
Be	9	308.010	0.001	0.892776	ug/L
V	51	14062.414	0.027	0.947786	ug/L
Cr	52	20563.784	0.023	0.934273	ug/L
Cr	53	4127.233	0.004	1.086846	ug/L
Co	59	11938.087	0.030	0.978483	ug/L
Cu	63	6478.001	0.016	1.030080	ug/L
Cu	65	3091.700	0.008	1.016989	ug/L
Zn	66	2387.416	-0.003	0.873702	ug/L
Zn	68	1885.268	-0.002	0.893717	ug/L
Ge	72	389038.318	389038.318		ug/L
As	75	2494.095	0.006	0.986586	ug/L
Se	77	395.018	0.000	1.124316	ug/L
Se	82	224.480	0.001	0.987463	ug/L
Rh	103	455853.804	455853.804		ug/L
Ag	107	10881.391	0.024	0.976804	ug/L
Cd	111	2668.184	0.008	0.989198	ug/L
Cd	114	5899.381	0.013	0.993638	ug/L
In	115	346299.482	346299.482		ug/L
Sb	121	7800.336	0.022	0.986891	ug/L
Sb	123	6381.014	0.018	1.030801	ug/L
Tl	203	9158.957	0.021	0.996884	ug/L
Tl	205	21446.362	0.049	1.018500	ug/L
Pb	208	29798.171	0.086	1.003768	ug/L
Bi	209	436281.279	436281.279		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	516180.539	516180.539		ug/L
Be	9	333.011	0.001	1.013536	ug/L
V	51	15174.630	0.029	1.023715	ug/L
Cr	52	21787.334	0.025	1.017026	ug/L
Cr	53	4023.173	0.003	0.945402	ug/L
Co	59	12528.099	0.031	1.007080	ug/L
Cu	63	6567.111	0.016	1.028750	ug/L
Cu	65	3094.701	0.007	0.997327	ug/L
Zn	66	2343.408	-0.003	0.720882	ug/L
Zn	68	1857.280	-0.002	0.750436	ug/L
Ge	72	398875.900	398875.900		ug/L
As	75	2598.325	0.005	1.013958	ug/L
Se	77	388.013	0.000	0.898924	ug/L
Se	82	231.707	0.001	0.980243	ug/L
Rh	103	443408.680	443408.680		ug/L
Ag	107	11064.974	0.025	1.020876	ug/L
Cd	111	2809.539	0.008	0.994180	ug/L
Cd	114	5716.280	0.013	0.990889	ug/L
In	115	358130.877	358130.877		ug/L
Sb	121	8123.688	0.022	0.991224	ug/L
Sb	123	6478.119	0.018	1.011784	ug/L
Tl	203	9228.049	0.021	1.005038	ug/L
Tl	205	20660.625	0.047	0.986882	ug/L
Pb	208	29477.641	0.085	0.990987	ug/L
Bi	209	436993.931	436993.931		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	508208.979	508208.979		ug/L
Be	9	354.012	0.001	1.095078	ug/L
V	51	15335.908	0.029	1.001749	ug/L
Cr	52	22153.529	0.024	0.998488	ug/L
Cr	53	4008.166	0.003	0.853584	ug/L
Co	59	12927.818	0.032	1.011884	ug/L
Cu	63	6197.750	0.014	0.938449	ug/L
Cu	65	3094.701	0.007	0.969411	ug/L
Zn	66	2331.404	-0.003	0.770228	ug/L
Zn	68	1862.287	-0.002	0.772083	ug/L
Ge	72	407465.643	407465.643		ug/L
As	75	2598.579	0.005	0.981287	ug/L
Se	77	400.015	0.000	1.038102	ug/L
Se	82	249.802	0.001	1.032306	ug/L
Rh	103	439099.388	439099.388		ug/L
Ag	107	10853.348	0.025	1.011164	ug/L
Cd	111	2652.652	0.008	1.020540	ug/L
Cd	114	5794.808	0.013	1.014544	ug/L

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I>	In	115	357738.475	357738.475		ug/L
I	Sb	121	8327.939	0.023	1.020388	ug/L
I	Sb	123	6138.668	0.017	0.982519	ug/L
I	Tl	203	9164.989	0.021	0.994788	ug/L
I	Tl	205	20833.849	0.047	0.998031	ug/L
I	Pb	208	29887.503	0.086	1.001770	ug/L
I>	Bi	209	438461.938	438461.938		ug/L

Sample ID: 0A21031-CAL4
Report Date/Time: Thursday, January 21, 2010 13:14:01

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Sample Information

Sample ID: 0A21031-CAL5
Autosampler Position: 5
Sample Date/Time: Thursday, January 21, 2010 13:16:14
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\0A21031-CAL5.005
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	515683.359	515683.359				ug/L
	Be	9	3543.915	0.007	10.008362	0.299	2.991	ug/L
	V	51	120645.752	0.292	10.003871	0.197	1.970	ug/L
	Cr	52	112051.059	0.250	10.002576	0.255	2.548	ug/L
	Cr	53	15227.369	0.031	9.993457	0.164	1.639	ug/L
	Co	59	130739.997	0.326	10.004673	0.264	2.634	ug/L
	Cu	63	61635.117	0.153	9.999531	0.213	2.126	ug/L
	Cu	65	30304.139	0.075	10.001770	0.279	2.792	ug/L
	Zn	66	17568.093	0.035	10.217503	0.232	2.275	ug/L
	Zn	68	12666.349	0.025	10.228030	0.165	1.614	ug/L
>	Ge	72	400251.234	400251.234				ug/L
	As	75	21300.546	0.052	9.998256	0.082	0.822	ug/L
	Se	77	1935.282	0.004	10.008598	0.269	2.685	ug/L
	Se	82	2360.707	0.006	10.005277	0.293	2.925	ug/L
>	Rh	103	440374.242	440374.242				ug/L
	Ag	107	115015.150	0.261	10.006767	0.054	0.542	ug/L
	Cd	111	27173.676	0.062	10.004263	0.084	0.844	ug/L
	Cd	114	59604.433	0.135	10.004190	0.141	1.411	ug/L
>	In	115	362380.792	362380.792				ug/L
	Sb	121	84914.311	0.234	10.003624	0.363	3.624	ug/L
	Sb	123	64703.222	0.178	10.001060	0.165	1.645	ug/L
	Tl	203	94631.440	0.218	10.004192	0.178	1.784	ug/L
	Tl	205	214747.782	0.494	10.002936	0.072	0.724	ug/L
	Pb	208	301562.560	0.692	10.005082	0.161	1.609	ug/L
>	Bi	209	434702.214	434702.214				ug/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	

00565

	Se	81.917
>	Rh	102.905
	Ag	106.905
	Cd	110.904
	Cd	113.904
>	In	114.904
	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	518281.836	518281.836		ug/L
	Be	9	3451.869	0.007	9.698558	ug/L
	V	51	122627.380	0.298	10.156788	ug/L
	Cr	52	109402.542	0.243	9.720199	ug/L
	Cr	53	15478.804	0.032	10.175268	ug/L
	Co	59	127780.076	0.319	9.782078	ug/L
	Cu	63	62818.887	0.156	10.143241	ug/L
	Cu	65	29722.008	0.074	9.782308	ug/L
	Zn	66	17966.748	0.036	10.486384	ug/L
	Zn	68	12528.102	0.024	10.086688	ug/L
>	Ge	72	400873.844	400873.844		ug/L
	As	75	21487.714	0.052	10.071846	ug/L
	Se	77	1917.276	0.004	9.884388	ug/L
	Se	82	2297.278	0.006	9.718640	ug/L
>	Rh	103	444548.329	444548.329		ug/L
	Ag	107	115648.871	0.260	9.987538	ug/L
	Cd	111	27858.588	0.062	10.086718	ug/L
	Cd	114	58215.182	0.133	9.844884	ug/L
>	In	115	380998.038	380998.038		ug/L
	Sb	121	81748.954	0.226	9.666478	ug/L
	Sb	123	64539.531	0.179	10.012835	ug/L
	Tl	203	94361.129	0.214	9.818874	ug/L
	Tl	205	219925.541	0.498	10.084987	ug/L
	Pb	208	302483.333	0.683	9.677107	ug/L
>	Bi	209	441589.058	441589.058		ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	514212.925	514212.925		ug/L
	Be	9	3541.913	0.007	10.030560	ug/L
	V	51	118622.141	0.286	9.781436	ug/L
	Cr	52	113295.588	0.252	10.072148	ug/L
	Cr	53	15243.400	0.031	9.947758	ug/L
	Co	59	130886.582	0.325	9.986818	ug/L
	Cu	63	60431.180	0.149	9.756343	ug/L
	Cu	65	30127.704	0.074	9.894264	ug/L
	Zn	66	17486.563	0.036	10.087970	ug/L
	Zn	68	12690.790	0.025	10.398711	ug/L
>	Ge	72	402182.428	402182.428		ug/L
	As	75	21217.969	0.052	9.909686	ug/L
	Se	77	1913.276	0.004	9.824442	ug/L
	Se	82	2368.522	0.006	9.993641	ug/L
>	Rh	103	440958.814	440958.814		ug/L
	Ag	107	115680.567	0.263	10.068686	ug/L
	Cd	111	27218.730	0.062	10.005113	ug/L
	Cd	114	59960.321	0.136	10.054716	ug/L
>	In	115	366788.801	366788.801		ug/L
	Sb	121	85556.190	0.233	9.967306	ug/L
	Sb	123	64384.265	0.175	9.830936	ug/L
	Tl	203	96232.872	0.221	10.174926	ug/L
	Tl	205	213508.148	0.491	9.948138	ug/L
	Pb	208	299864.346	0.688	9.952310	ug/L
>	Bi	209	434599.228	434599.228		ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	514556.319	514556.319		ug/L
	Be	9	3637.983	0.007	10.295849	ug/L
	V	51	120587.755	0.294	10.073389	ug/L
	Cr	52	113458.070	0.256	10.215381	ug/L
	Cr	53	14961.803	0.031	9.857348	ug/L
	Co	59	133584.332	0.338	10.285022	ug/L
	Cu	63	61857.304	0.156	10.100007	ug/L
	Cu	65	31062.706	0.078	10.316748	ug/L
	Zn	66	17251.981	0.035	10.068146	ug/L
	Zn	68	12580.194	0.026	10.222881	ug/L
>	Ge	72	397687.429	397687.429		ug/L
	As	75	21195.935	0.052	10.013240	ug/L
	Se	77	1975.293	0.004	10.316983	ug/L
	Se	82	2416.323	0.006	10.303851	ug/L
>	Rh	103	435816.483	435816.483		ug/L
	Ag	107	113515.011	0.261	9.984098	ug/L
	Cd	111	26646.701	0.061	9.917958	ug/L
	Cd	114	59807.784	0.137	10.113158	ug/L

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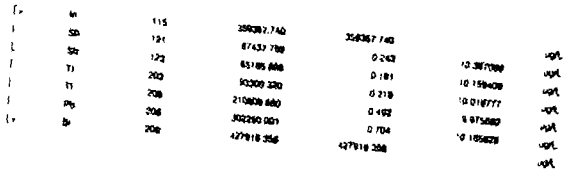

Sample ID: 0A21031-CAL5
Report Date/Time: Thursday, January 21, 2010 13:18:08
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Sample Information

Sample ID: 0A21031-CAL6
Autosampler Position: 6
Sample Date/Time: Thursday, January 21, 2010 13:20:19
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\0A21031-CAL6.006
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	513618.038	513618.038				ug/L
	Be	9	6619.132	0.013	19.740569	0.350	1.773	ug/L
	V	51	232808.172	0.579	19.966176	0.839	4.203	ug/L
	Cr	52	201980.661	0.480	19.837604	0.426	2.149	ug/L
	Cr	53	26809.163	0.061	19.910167	0.894	4.490	ug/L
	Co	59	249187.321	0.629	19.850923	0.385	1.942	ug/L
	Cu	63	121315.190	0.306	19.991211	0.732	3.662	ug/L
	Cu	65	58218.260	0.147	19.891820	0.146	0.735	ug/L
	Zn	66	34589.566	0.079	20.511501	0.771	3.760	ug/L
	Zn	68	24166.742	0.054	20.434084	0.646	3.159	ug/L
>	Ge	72	395977.308	395977.308				ug/L
	As	75	41005.466	0.102	19.935171	0.836	4.192	ug/L
	Se	77	3484.885	0.008	19.862063	0.507	2.550	ug/L
	Se	82	4427.062	0.011	19.797461	0.785	3.963	ug/L
>	Rh	103	442706.329	442706.329				ug/L
	Ag	107	228294.494	0.516	19.950783	0.339	1.699	ug/L
	Cd	111	53723.035	0.121	19.935268	0.480	2.409	ug/L
	Cd	114	118454.803	0.268	19.954850	0.081	0.406	ug/L
>	In	115	352297.478	352297.478				ug/L
	Sb	121	164051.840	0.465	19.977024	0.229	1.146	ug/L
	Sb	123	129808.808	0.368	20.127953	0.447	2.222	ug/L
	Tl	203	184134.293	0.424	19.898317	0.465	2.335	ug/L
	Tl	205	423339.991	0.975	19.951510	0.239	1.200	ug/L
	Pb	208	583959.621	1.343	19.883908	0.142	0.714	ug/L
>	Bi	209	433941.390	433941.390				ug/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	

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	Se	81.917
>	Rh	102.905
	Ag	106.905
	Cd	110.904
	Cd	113.904
>	In	114.904
	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	520008.847	520008.847		ug/L
Be	9	6588.104	0.013	19.406938	ug/L
V	51	238217.509	0.606	20.915100	ug/L
Cr	52	201984.463	0.482	20.328348	ug/L
Cr	53	26998.158	0.053	20.572350	ug/L
Co	59	243836.844	0.630	19.883564	ug/L
Cu	63	123084.823	0.317	20.753486	ug/L
Cu	65	57045.456	0.147	19.948748	ug/L
Zn	66	34879.300	0.082	21.231313	ug/L
Zn	68	24274.420	0.056	21.078171	ug/L
Ge	72	386839.740	386839.740		ug/L
As	75	41671.173	0.108	20.682286	ug/L
Se	77	3473.879	0.008	20.287148	ug/L
Se	82	4408.505	0.011	20.170462	ug/L
Rh	103	454583.310	454583.310		ug/L
Ag	107	235810.575	0.519	20.071311	ug/L
Cd	111	53840.338	0.116	19.481030	ug/L
Cd	114	121141.805	0.266	19.874119	ug/L
In	115	345797.617	345797.617		ug/L
Sb	121	159023.273	0.480	19.729843	ug/L
Sb	123	127342.969	0.388	20.112138	ug/L
Tl	203	180228.308	0.417	19.550833	ug/L
Tl	205	427339.173	0.988	20.218021	ug/L
Pb	208	580444.467	1.341	19.840797	ug/L
Bi	209	432248.822	432248.822		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	511942.179	511942.179		ug/L
Be	9	6566.103	0.013	19.709874	ug/L
V	51	228988.832	0.570	19.861935	ug/L
Cr	52	198937.238	0.473	19.559318	ug/L
Cr	53	27195.946	0.062	20.264973	ug/L
Co	59	253444.498	0.641	20.229888	ug/L
Cu	63	120732.998	0.306	19.926274	ug/L
Cu	65	58414.487	0.147	20.000168	ug/L
Zn	66	34677.318	0.078	20.808795	ug/L
Zn	68	23441.637	0.062	19.787132	ug/L
Ge	72	395127.504	395127.504		ug/L
As	75	41260.490	0.103	20.090668	ug/L
Se	77	3500.883	0.008	19.987480	ug/L
Se	82	4537.644	0.011	20.325638	ug/L
Rh	103	435952.080	435952.080		ug/L
Ag	107	227753.271	0.522	20.213103	ug/L
Cd	111	54185.288	0.124	20.411395	ug/L
Cd	114	116650.766	0.268	19.954387	ug/L
In	115	349909.582	349909.582		ug/L
Sb	121	164800.566	0.470	20.182153	ug/L
Sb	123	131871.742	0.377	20.562852	ug/L
Tl	203	184480.770	0.420	19.717974	ug/L
Tl	205	423784.456	0.966	19.754817	ug/L
Pb	208	586983.041	1.336	19.768407	ug/L
Bi	209	438700.986	438700.986		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	508903.088	508903.088		ug/L
Be	9	6680.189	0.013	20.104806	ug/L
V	51	231240.174	0.580	19.321492	ug/L
Cr	52	206040.288	0.475	19.628147	ug/L
Cr	53	26243.384	0.058	18.693179	ug/L
Co	59	250480.622	0.617	19.459348	ug/L
Cu	63	120117.749	0.295	19.293880	ug/L
Cu	65	59184.880	0.145	19.725546	ug/L
Zn	66	34212.076	0.078	19.897398	ug/L
Zn	68	24784.171	0.054	20.438947	ug/L
Ge	72	405984.680	405984.680		ug/L
As	75	40184.736	0.098	19.632587	ug/L
Se	77	3479.862	0.008	19.301580	ug/L
Se	82	4336.136	0.011	16.895883	ug/L
Rh	103	437603.616	437603.616		ug/L
Ag	107	221319.637	0.508	19.567833	ug/L
Cd	111	53143.482	0.121	19.943378	ug/L
Cd	114	117572.039	0.269	20.038083	ug/L

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[	In	115	381185.223	381185.223		ug/L
[	Sb	121	168531.688	0.466	20.018877	ug/L
[	Sb	123	130211.884	0.360	19.888872	ug/L
[	Tl	203	187083.803	0.436	20.426043	ug/L
[	Tl	205	418986.344	0.973	19.881883	ug/L
[	Pb	208	584471.356	1.354	20.042530	ug/L
[>	Bi	209	430874.384	430874.384		ug/L

Sample ID: 0A21031-CAL6
Report Date/Time: Thursday, January 21, 2010 13:22:12

Sample Information

Sample ID: 0A21031-CAL7
Autosampler Position: 7
Sample Date/Time: Thursday, January 21, 2010 13:24:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\0A21031-CAL7.007
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	545699.528	545699.528				ug/L
	Be	9	15846.050	0.029	48.995139	1.833	3.742	ug/L
	V	51	574487.175	1.535	50.469905	0.138	0.274	ug/L
	Cr	52	477855.988	1.255	50.298117	0.723	1.437	ug/L
	Cr	53	59838.592	0.154	50.075036	1.245	2.486	ug/L
	Co	59	586982.424	1.578	49.963600	0.726	1.452	ug/L
	Cu	63	301863.553	0.811	50.479919	0.833	1.650	ug/L
	Cu	65	138839.760	0.373	50.097994	0.833	1.662	ug/L
	Zn	66	83125.068	0.215	50.904067	0.914	1.796	ug/L
	Zn	68	60052.757	0.155	51.217898	1.531	2.989	ug/L
>	Ge	72	371948.295	371948.295				ug/L
	As	75	103620.628	0.277	50.624159	1.770	3.497	ug/L
	Se	77	8100.341	0.021	50.193154	1.252	2.495	ug/L
	Se	82	10963.262	0.029	50.367751	1.017	2.019	ug/L
>	Rh	103	459000.164	459000.164				ug/L
	Ag	107	565691.791	1.233	49.601069	1.302	2.625	ug/L
	Cd	111	128978.746	0.281	49.316334	1.671	3.388	ug/L
	Cd	114	299342.059	0.652	49.767103	0.190	0.382	ug/L
>	In	115	336523.630	336523.630				ug/L
	Sb	121	400306.994	1.189	50.172968	0.767	1.529	ug/L
	Sb	123	318437.170	0.946	50.276046	1.618	3.218	ug/L
	Tl	203	434939.554	1.056	49.925206	1.277	2.557	ug/L
	Tl	205	1069426.583	2.598	50.500055	2.008	3.977	ug/L
	Pb	208	1423232.871	3.456	50.187551	1.562	3.113	ug/L
>	Bi	209	411776.218	411776.218				ug/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	

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	Se	81.917
>	Rh	102.905
	Ag	106.905
	Cd	110.904
	Cd	113.904
>	In	114.904
	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	568497.828	568497.828		ug/L
Be	9	15877.008	0.028	47.371404	ug/L
V	51	570658.907	1.530	50.317088	ug/L
Cr	52	487678.258	1.272	51.001577	ug/L
Cr	53	58610.081	0.148	48.648078	ug/L
Co	59	561408.498	1.552	49.153314	ug/L
Cu	63	300883.638	0.802	49.837629	ug/L
Cu	65	138187.263	0.369	49.518676	ug/L
Zn	66	82333.617	0.211	50.039369	ug/L
Zn	68	61525.463	0.157	52.153472	ug/L
Ge	72	374478.173	374478.173		ug/L
As	75	107241.850	0.286	52.041148	ug/L
Se	77	8377.994	0.022	51.803311	ug/L
Se	82	11062.088	0.030	50.471887	ug/L
Rh	103	486150.811	486150.811		ug/L
Ag	107	563159.878	1.208	48.806726	ug/L
Cd	111	127216.312	0.273	47.876083	ug/L
Cd	114	305039.588	0.654	49.838710	ug/L
In	115	339846.887	339846.887		ug/L
Sb	121	398982.239	1.188	49.294848	ug/L
Sb	123	310073.274	0.913	48.498633	ug/L
Tl	203	428658.290	1.046	49.416048	ug/L
Tl	205	1093424.320	2.666	51.820498	ug/L
Pb	208	1446118.438	3.524	51.186193	ug/L
Bi	209	410053.647	410053.647		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	544678.771	544678.771		ug/L
Be	9	15714.424	0.029	48.630636	ug/L
V	51	567688.758	1.539	50.586087	ug/L
Cr	52	471455.409	1.256	50.334885	ug/L
Cr	53	59974.329	0.157	50.838908	ug/L
Co	59	561272.280	1.565	50.184012	ug/L
Cu	63	303294.223	0.826	51.438870	ug/L
Cu	65	139804.512	0.380	51.052281	ug/L
Zn	66	83443.395	0.219	51.860439	ug/L
Zn	68	60132.663	0.157	52.049130	ug/L
Ge	72	386701.922	386701.922		ug/L
As	75	103307.786	0.281	51.191493	ug/L
Se	77	7919.467	0.021	49.765687	ug/L
Se	82	11016.004	0.030	51.328413	ug/L
Rh	103	461371.773	461371.773		ug/L
Ag	107	563316.538	1.221	49.122858	ug/L
Cd	111	128670.974	0.279	48.925088	ug/L
Cd	114	299846.429	0.649	49.561898	ug/L
In	115	333433.277	333433.277		ug/L
Sb	121	398324.563	1.197	50.509984	ug/L
Sb	123	318007.368	0.954	50.666807	ug/L
Tl	203	437993.439	1.087	51.377928	ug/L
Tl	205	1067241.947	2.649	51.490802	ug/L
Pb	208	1415068.542	3.511	50.989202	ug/L
Bi	209	402798.748	402798.748		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	523921.888	523921.888		ug/L
Be	9	15846.717	0.030	50.983378	ug/L
V	51	579112.881	1.536	50.508581	ug/L
Cr	52	474434.298	1.238	49.567910	ug/L
Cr	53	60931.387	0.158	50.638426	ug/L
Co	59	598269.487	1.597	50.563473	ug/L
Cu	63	301602.799	0.804	50.083258	ug/L
Cu	65	138827.508	0.370	49.723027	ug/L
Zn	66	83598.191	0.215	50.812400	ug/L
Zn	68	58500.184	0.149	49.481092	ug/L
Ge	72	374666.791	374666.791		ug/L
As	75	100312.438	0.267	48.839838	ug/L
Se	77	8003.561	0.021	49.210293	ug/L
Se	82	10811.717	0.029	49.302972	ug/L
Rh	103	449478.110	449478.110		ug/L
Ag	107	570598.963	1.269	51.074824	ug/L
Cd	111	131048.963	0.292	51.147851	ug/L
Cd	114	293340.153	0.653	49.802700	ug/L

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[illegible]	In	115	336480.746	336480.746		ug/L
I	Sb	121	404614.181	1.202	50.714070	ug/L
L	Sb	123	327230.888	0.972	51.862787	ug/L
[illegible]	Tl	203	437968.902	1.037	48.981843	ug/L
[illegible]	Tl	205	1047813.483	2.479	48.189088	ug/L
I	Pb	208	1408510.633	3.332	48.387268	ug/L
L>	Bi	209	422478.280	422478.280		ug/L

Sample Information

Sample ID: 0A21031-CAL8
Autosampler Position: 8
Sample Date/Time: Thursday, January 21, 2010 13:28:28
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\0A21031-CAL8.008
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	504487.346	504487.346				ug/L
	Be	9	33372.798	0.066	102.441249	1.125	1.098	ug/L
	V	51	1096251.200	2.818	98.198096	1.878	1.912	ug/L
	Cr	52	950006.548	2.420	99.299686	3.366	3.390	ug/L
	Cr	53	115701.685	0.291	98.750602	0.951	0.963	ug/L
	Co	59	1191071.717	3.071	99.351427	0.387	0.390	ug/L
	Cu	63	559517.251	1.442	97.439821	1.395	1.431	ug/L
	Cu	65	278408.080	0.718	99.149939	2.644	2.667	ug/L
	Zn	66	158012.592	0.399	98.668493	1.705	1.728	ug/L
	Zn	68	113240.050	0.285	98.667277	1.389	1.408	ug/L
>	Ge	72	387783.483	387783.483				ug/L
	As	75	196716.407	0.506	98.129073	2.365	2.410	ug/L
	Se	77	16491.523	0.042	99.851151	4.049	4.055	ug/L
	Se	82	21600.845	0.056	98.863531	2.571	2.601	ug/L
>	Rh	103	428945.567	428945.567				ug/L
	Ag	107	1061542.877	2.475	99.900795	1.105	1.106	ug/L
	Cd	111	251871.587	0.587	100.684878	2.488	2.472	ug/L
	Cd	114	564122.487	1.316	100.093745	3.999	3.995	ug/L
>	In	115	351932.655	351932.655				ug/L
	Sb	121	820245.105	2.330	99.599234	1.883	1.890	ug/L
	Sb	123	614844.669	1.748	98.258806	2.974	3.026	ug/L
	Tl	203	894286.283	2.141	100.273061	1.769	1.764	ug/L
	Tl	205	1957737.146	4.688	97.798093	1.797	1.837	ug/L
	Pb	208	2810004.306	6.727	99.460059	0.746	0.750	ug/L
>	Bi	209	417586.481	417586.481				ug/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	

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Se	81.917
Rh	102.905
Ag	106.905
Cd	110.904
Cd	113.904
In	114.904
Sb	120.904
Sb	122.904
Tl	202.972
Tl	204.975
Pb	207.977
Bi	208.980

QC Out Of Limits

Measurement Type Analyte Mass Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	498073.486	498073.486		ug/L
Be	9	32822.567	0.066	101.849564	ug/L
V	51	1121327.708	2.847	98.215876	ug/L
Cr	52	939863.788	2.363	98.956840	ug/L
Cr	53	117788.414	0.293	99.323891	ug/L
Co	59	1202086.428	3.062	99.041073	ug/L
Cu	63	565836.223	1.441	97.330252	ug/L
Cu	65	276814.508	0.705	97.352808	ug/L
Zn	66	162836.308	0.406	100.354636	ug/L
Zn	68	113882.480	0.283	97.988634	ug/L
Ge	72	392584.871	392584.871		ug/L
As	75	194130.780	0.493	98.628569	ug/L
Se	77	16053.179	0.040	98.819881	ug/L
Se	82	21391.066	0.054	98.681639	ug/L
Rh	103	438804.713	438804.713		ug/L
Ag	107	1086428.252	2.484	100.285418	ug/L
Cd	111	253171.148	0.579	99.338180	ug/L
Cd	114	548637.877	1.256	98.512180	ug/L
In	115	340341.782	340341.782		ug/L
Sb	121	781981.809	2.297	98.207106	ug/L
Sb	123	615347.048	1.808	101.631801	ug/L
Tl	203	906156.317	2.180	102.084347	ug/L
Tl	205	1910834.466	4.597	95.898880	ug/L
Pb	208	2801854.670	6.739	99.636048	ug/L
Bi	209	415622.109	415622.109		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	506239.413	506239.413		ug/L
Be	9	33256.972	0.068	101.735521	ug/L
V	51	1074878.518	2.756	98.031000	ug/L
Cr	52	938312.431	2.383	97.782832	ug/L
Cr	53	116585.914	0.293	99.275556	ug/L
Co	59	1192834.656	3.088	98.228122	ug/L
Cu	63	563286.121	1.422	98.103026	ug/L
Cu	65	275690.338	0.709	97.911235	ug/L
Zn	66	156884.082	0.392	98.944940	ug/L
Zn	68	112525.529	0.283	97.765822	ug/L
Ge	72	388780.908	388780.908		ug/L
As	75	197853.474	0.508	98.427784	ug/L
Se	77	16502.206	0.042	99.625049	ug/L
Se	82	21517.511	0.055	98.210676	ug/L
Rh	103	421351.652	421351.652		ug/L
Ag	107	1051788.481	2.496	100.782200	ug/L
Cd	111	254531.884	0.604	100.556586	ug/L
Cd	114	560820.859	1.352	102.880488	ug/L
In	115	358531.368	358531.368		ug/L
Sb	121	829180.280	2.312	98.849225	ug/L
Sb	123	619510.328	1.728	97.128063	ug/L
Tl	203	902782.602	2.140	100.184689	ug/L
Tl	205	1902747.102	4.589	98.029360	ug/L
Pb	208	2815884.947	6.672	98.642017	ug/L
Bi	209	421926.124	421926.124		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	508149.141	508149.141		ug/L
Be	9	34039.264	0.067	103.738863	ug/L
V	51	1092547.286	2.851	99.347313	ug/L
Cr	52	972053.418	2.515	103.157686	ug/L
Cr	53	112730.729	0.288	97.652556	ug/L
Co	59	1178488.068	3.085	99.765086	ug/L
Cu	63	559408.409	1.464	98.886189	ug/L
Cu	65	282719.308	0.740	102.185873	ug/L
Zn	66	155707.377	0.399	98.708900	ug/L
Zn	68	112332.140	0.290	100.267386	ug/L
Ge	72	382004.811	382004.811		ug/L
As	75	198184.987	0.516	100.330786	ug/L
Se	77	16919.183	0.044	104.008456	ug/L
Se	82	21893.928	0.057	101.698480	ug/L
Rh	103	428580.336	428580.336		ug/L
Ag	107	1047434.916	2.444	98.664768	ug/L
Cd	111	247911.722	0.578	99.161869	ug/L
Cd	114	574008.727	1.339	101.888588	ug/L

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[illegible]	In	115	358824.803	358824.803		ug/L
[illegible]	Sb	121	849883.428	2.380	101.741371	ug/L
[illegible]	Sb	123	609876.629	1.708	98.016466	ug/L
[illegible]	Tl	203	873920.930	2.108	98.550137	ug/L
[illegible]	Tl	205	1979829.779	4.768	98.468240	ug/L
[illegible]	Pb	208	2812173.302	6.771	100.102110	ug/L
[illegible]	Bi	209	415211.211	415211.211		ug/L

00576

Quantitative Analysis Calibration Report

File Name:
File Path:
Calibration Type: External Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Li	6.015	Linear Thru Zero	0.00	0.00	0.000000
Be	9.012	Linear Thru Zero	0.00	0.00	0.998800
V	50.944	Linear Thru Zero	0.03	0.00	0.999402
Cr	51.941	Linear Thru Zero	0.02	0.00	0.999892
Cr	52.941	Linear Thru Zero	0.00	0.00	0.999735
Co	58.933	Linear Thru Zero	0.03	0.00	0.999925
Cu	62.930	Linear Thru Zero	0.01	0.00	0.998847
Cu	64.928	Linear Thru Zero	0.01	0.00	0.999875
Zn	65.926	Linear Thru Zero	0.00	0.00	0.999259
Zn	67.925	Linear Thru Zero	0.00	0.00	0.999097
Ge	71.922	Linear Thru Zero	0.00	0.00	0.000000
As	74.922	Linear Thru Zero	0.01	0.00	0.999315
Se	76.920	Linear Thru Zero	0.00	0.00	0.999984
Se	81.917	Linear Thru Zero	0.00	0.00	0.999743
Rh	102.905	Linear Thru Zero	0.00	0.00	0.000000
Ag	106.905	Linear Thru Zero	0.02	0.00	0.999961
Cd	110.904	Linear Thru Zero	0.01	0.00	0.999818
Cd	113.904	Linear Thru Zero	0.01	0.00	0.999986
In	114.904	Linear Thru Zero	0.00	0.00	0.000000
Sb	120.904	Linear Thru Zero	0.02	0.00	0.999966
Sb	122.904	Linear Thru Zero	0.02	0.00	0.999472
Tl	202.972	Linear Thru Zero	0.02	0.00	0.999984
Tl	204.975	Linear Thru Zero	0.05	0.00	0.999126
Pb	207.977	Linear Thru Zero	0.07	0.00	0.999940
Bi	208.980	Linear Thru Zero	0.00	0.00	0.000000

Method Equation

Analyte	Mass	Corrections
V	50.944	-3.127 *(ClO 53 -(0.113 *Cr 52))
As	74.922	-3.127 *(ArCl 77 -(0.706602625 *Se 82))
Se	81.917	- 1.007833 * Kr 83
Cd	110.904	-1.060002 *(MoO 108 -(0.712 *Pd 106))
Cd	113.904	-0.027250 *Sn 118
In	114.904	- 0.014038 * Sn 118
Sb	122.904	- 0.125884 * Te 125
Pb	207.977	+1*Pb 206 +1*Pb 207

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Sample Information

Sample ID: 0A21031-SCV1
Autosampler Position: 2
Sample Date/Time: Thursday, January 21, 2010 13:32:33
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\0A21031-SCV1.009
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	539613.948	539613.948				ug/L
	Be	9	12594.892	0.023	36.139025	0.814	2.253	ug/L
	V	51	438041.948	1.203	41.936963	1.969	4.695	ug/L
	Cr	52	393211.019	1.058	43.410714	0.812	1.869	ug/L
	Cr	53	47347.884	0.124	42.042430	1.066	2.536	ug/L
	Co	59	470142.100	1.301	42.079001	0.534	1.269	ug/L
	Cu	63	238636.425	0.660	44.577654	1.521	3.412	ug/L
	Cu	65	113832.072	0.315	43.451079	0.286	0.658	ug/L
	Zn	66	64538.903	0.170	42.058550	1.012	2.405	ug/L
	Zn	68	49399.762	0.130	44.918719	0.107	0.239	ug/L
>	Ge	72	361407.855	361407.855				ug/L
	As	75	84812.922	0.234	45.271403	0.676	1.493	ug/L
	Se	77	6391.923	0.017	40.719137	0.800	1.965	ug/L
	Se	82	8965.627	0.025	43.978394	0.350	0.796	ug/L
>	Rh	103	456652.395	456652.395				ug/L
	Ag	107	441403.946	0.967	39.018238	0.237	0.607	ug/L
	Cd	111	99180.653	0.217	37.237258	0.851	2.286	ug/L
	Cd	114	244565.755	0.536	40.746873	0.669	1.642	ug/L
>	In	115	341599.900	341599.900				ug/L
	Sb	121	320245.187	0.937	40.073956	0.841	2.099	ug/L
	Sb	123	239390.327	0.701	39.403039	1.589	4.033	ug/L
	Tl	203	344663.019	0.849	39.768551	0.780	1.962	ug/L
	Tl	205	869793.823	2.144	44.719405	1.218	2.724	ug/L
	Pb	208	1162844.546	2.863	42.331633	0.495	1.170	ug/L
>	Bi	209	405851.985	405851.985				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	101.290
	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	90.189
	As	74.922	
	Se	76.920	

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Se	81.917		
Rh	102.905	104.202	
Ag	106.905		
Cd	110.904		
Cd	113.904		
In	114.904	94.177	
Sb	120.904		
Sb	122.904		
Tl	202.972		
Tl	204.975		
Pb	207.977		
Bi	208.980	93.264	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0A21031-SCV1	Cu	63	
0A21031-SCV1	Zn	68	
0A21031-SCV1	As	75	
0A21031-SCV1	Tl	205	

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	542978.326	542978.326		ug/L
Be	9	12961.661	0.024	36.834778	ug/L
V	51	425873.418	1.144	39.880708	ug/L
Cr	52	393406.217	1.039	42.490289	ug/L
Cr	53	47173.733	0.121	40.941637	ug/L
Co	59	475926.792	1.288	41.701778	ug/L
Cu	63	235586.688	0.637	43.088002	ug/L
Cu	65	117101.246	0.317	43.770243	ug/L
Zn	66	64268.467	0.166	40.940718	ug/L
Zn	68	50325.163	0.129	44.797981	ug/L
Ge	72	369111.415	369111.415		ug/L
As	75	85167.848	0.230	44.489704	ug/L
Se	77	6408.938	0.017	39.940366	ug/L
Se	82	9153.401	0.025	43.963738	ug/L
Rh	103	451107.163	451107.163		ug/L
Ag	107	438193.168	0.971	39.210039	ug/L
Cd	111	100542.247	0.223	38.207003	ug/L
Cd	114	245780.706	0.548	41.447287	ug/L
In	115	348030.319	348030.319		ug/L
Sb	121	318948.580	0.816	39.165102	ug/L
Sb	123	232867.714	0.688	37.806209	ug/L
Tl	203	346780.873	0.837	39.172043	ug/L
Tl	205	863515.008	2.083	43.457983	ug/L
Pb	208	1162833.252	2.852	42.160008	ug/L
Bi	209	414466.783	414466.783		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	538156.678	538156.678		ug/L
Be	9	12526.099	0.023	36.175000	ug/L
V	51	438439.236	1.209	42.124523	ug/L
Cr	52	394387.220	1.086	43.718873	ug/L
Cr	53	47244.187	0.124	42.114569	ug/L
Co	59	465672.907	1.294	41.849373	ug/L
Cu	63	237668.680	0.660	44.580988	ug/L
Cu	65	113129.971	0.314	43.388233	ug/L
Zn	66	64678.153	0.171	42.323747	ug/L
Zn	68	48284.937	0.130	46.002888	ug/L
Ge	72	359819.613	359819.613		ug/L
As	75	85007.791	0.235	45.556794	ug/L
Se	77	6380.895	0.017	40.677848	ug/L
Se	82	9000.838	0.025	44.335810	ug/L
Rh	103	456880.558	456880.558		ug/L
Ag	107	438804.288	0.980	38.753408	ug/L
Cd	111	97677.134	0.214	38.614036	ug/L
Cd	114	244299.084	0.535	40.679479	ug/L
In	115	337350.466	337350.466		ug/L
Sb	121	322261.449	0.958	40.825092	ug/L
Sb	123	239986.281	0.711	39.982658	ug/L
Tl	203	346027.623	0.888	40.661434	ug/L
Tl	205	876735.583	2.200	45.589488	ug/L
Pb	208	1156988.889	2.901	42.889770	ug/L
Bi	209	398518.347	398518.347		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	539707.840	539707.840		ug/L
Be	9	12309.718	0.023	35.307299	ug/L
V	51	449913.192	1.257	43.805569	ug/L
Cr	52	391840.621	1.073	44.023003	ug/L
Cr	53	47625.722	0.127	43.070863	ug/L
Co	59	468827.801	1.320	42.589752	ug/L
Cu	63	242674.908	0.682	46.105984	ug/L
Cu	65	111268.000	0.313	43.217762	ug/L
Zn	66	64672.098	0.173	42.811188	ug/L
Zn	68	48588.186	0.130	44.955600	ug/L
Ge	72	356182.537	356182.537		ug/L
As	75	84263.130	0.238	45.758710	ug/L

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I	Se	77	6408.935	0.017	41.539170	ug/L
L	Se	82	8742.643	0.025	43.835839	ug/L
[.	Rh	103	461999.466	461999.466		ug/L
!	Ag	107	447414.350	0.988	39.081271	ug/L
I	Cd	111	98422.578	0.215	36.880738	ug/L
L	Cd	114	243817.467	0.527	40.113858	ug/L
[>	In	115	338418.916	338418.916		ug/L
I	Sb	121	319525.632	0.941	40.231674	ug/L
L	Sb	123	245315.008	0.723	40.621191	ug/L
[	Tl	203	341180.561	0.843	39.482178	ug/L
I	Tl	205	889130.878	2.148	44.810734	ug/L
I	Pb	208	1148711.497	2.837	41.945124	ug/L
[>	Bi	209	404570.825	404570.825		ug/L

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Sample Information

Sample ID: 0A21031-SCV1
Autosampler Position: 2
Sample Date/Time: Thursday, January 21, 2010 13:39:42
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File:
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	510560.416	510560.416				ug/L
	Be	9	13485.856	0.026	40.906008	1.070	2.615	ug/L
	V	51	438674.328	1.127	39.270995	1.297	3.304	ug/L
	Cr	52	399788.577	1.006	41.260000	2.167	5.252	ug/L
	Cr	53	47937.823	0.117	39.697331	0.443	1.116	ug/L
	Co	59	491825.887	1.273	41.190544	0.387	0.941	ug/L
	Cu	63	230500.176	0.596	40.282348	1.076	2.671	ug/L
	Cu	65	118935.046	0.308	42.504351	1.535	3.611	ug/L
	Zn	66	66153.848	0.163	40.232638	0.690	1.715	ug/L
	Zn	68	48678.197	0.119	41.245279	1.471	3.566	ug/L
>	Ge	72	386225.059	386225.059				ug/L
	As	75	81764.687	0.211	40.819417	0.731	1.791	ug/L
	Se	77	6732.239	0.017	40.114978	1.052	2.622	ug/L
	Se	82	8756.118	0.023	40.213185	2.105	5.236	ug/L
>	Rh	103	432572.947	432572.947				ug/L
	Ag	107	434411.957	1.004	40.537672	0.321	0.792	ug/L
	Cd	111	101839.049	0.235	40.357566	1.105	2.737	ug/L
	Cd	114	231808.808	0.536	40.767791	0.575	1.411	ug/L
>	In	115	359613.628	359613.628				ug/L
	Sb	121	327000.234	0.909	38.872326	1.512	3.890	ug/L
	Sb	123	238199.008	0.662	37.234840	1.011	2.714	ug/L
	Tl	203	362601.159	0.846	39.613035	0.364	0.920	ug/L
	Tl	205	835372.632	1.950	40.671125	1.029	2.530	ug/L
	Pb	208	1173055.296	2.736	40.449792	1.132	2.798	ug/L
>	Bi	209	428621.489	428621.489				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.836
	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	96.383
	As	74.922	
	Se	76.920	

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Se	81.917		
Rh	102.905	98.708	
Ag	106.905		
Cd	110.904		
Cd	113.904		
In	114.904	99.143	
Sb	120.904		
Sb	122.904		
Tl	202.972		
Tl	204.975		
Pb	207.977		
Bi	208.980	98.497	

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	506182.680	506182.680		ug/L
Be	9	13867.209	0.027	41.809027	ug/L
V	51	432288.718	1.084	37.782100	ug/L
Cr	52	385475.879	0.946	38.782782	ug/L
Cr	53	48546.031	0.116	39.276376	ug/L
Co	59	497828.628	1.260	40.743230	ug/L
Cu	63	229080.737	0.579	38.111946	ug/L
Cu	65	116828.446	0.285	40.818712	ug/L
Zn	66	68878.186	0.168	40.988433	ug/L
Zn	68	48750.281	0.117	40.307803	ug/L
Ge	72	396179.253	396179.253		ug/L
As	75	81952.909	0.208	38.877087	ug/L
Se	77	9693.201	0.016	38.928757	ug/L
Se	82	8468.388	0.021	37.981139	ug/L
Rh	103	435078.108	435078.108		ug/L
Ag	107	433846.140	0.998	40.223697	ug/L
Cd	111	104770.898	0.241	41.280738	ug/L
Cd	114	229375.662	0.527	40.105631	ug/L
In	115	363996.637	363996.637		ug/L
Sb	121	316808.402	0.870	37.205721	ug/L
Sb	123	233662.830	0.642	38.092809	ug/L
Tl	203	358011.443	0.837	39.211068	ug/L
Tl	205	839586.004	1.908	39.746214	ug/L
Pb	208	1170976.801	2.668	39.256716	ug/L
Bi	209	440597.643	440597.643		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	510883.238	510883.238		ug/L
Be	9	13568.048	0.027	41.184308	ug/L
V	51	445092.812	1.154	40.217408	ug/L
Cr	52	404988.496	1.028	42.192837	ug/L
Cr	53	48012.301	0.118	40.161180	ug/L
Co	59	486835.144	1.280	41.419418	ug/L
Cu	63	229869.184	0.600	40.507121	ug/L
Cu	65	118887.408	0.310	42.873778	ug/L
Zn	66	64566.317	0.160	38.631972	ug/L
Zn	68	47393.186	0.117	40.487612	ug/L
Ge	72	382566.524	382566.524		ug/L
As	75	81936.348	0.213	41.286158	ug/L
Se	77	6801.304	0.017	40.827887	ug/L
Se	82	8739.705	0.023	40.484823	ug/L
Rh	103	429411.076	429411.076		ug/L
Ag	107	431094.086	1.004	40.523882	ug/L
Cd	111	101846.728	0.237	40.668236	ug/L
Cd	114	231713.493	0.540	41.049318	ug/L
In	115	359827.108	359827.108		ug/L
Sb	121	330808.208	0.918	39.254782	ug/L
Sb	123	240785.581	0.668	37.588868	ug/L
Tl	203	382928.290	0.848	39.706535	ug/L
Tl	205	830533.638	1.841	40.487788	ug/L
Pb	208	1175434.848	2.744	40.577111	ug/L
Bi	209	427827.903	427827.903		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	514615.422	514615.422		ug/L
Be	9	13202.322	0.026	39.724688	ug/L
V	51	438863.866	1.142	39.803478	ug/L
Cr	52	408820.357	1.043	42.804871	ug/L
Cr	53	47235.137	0.117	39.652439	ug/L
Co	59	487715.688	1.280	41.408088	ug/L
Cu	63	232750.587	0.610	41.227976	ug/L
Cu	65	120888.283	0.317	43.620588	ug/L
Zn	66	64998.040	0.163	40.079508	ug/L
Zn	68	49891.139	0.124	42.940422	ug/L
Ge	72	380829.398	380829.398		ug/L
As	75	81394.803	0.212	41.192008	ug/L
Se	77	6702.210	0.017	40.490611	ug/L
Se	82	9080.283	0.024	42.163484	ug/L
Rh	103	433229.658	433229.658		ug/L
Ag	107	438583.666	1.012	40.866467	ug/L
Cd	111	98898.724	0.228	39.133729	ug/L
Cd	114	234337.268	0.541	41.146223	ug/L

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>	In	115	355018.137	355018.137		ug/L
	Sb	121	333586.093	0.939	40.156493	ug/L
	Sb	123	240118.533	0.676	38.013057	ug/L
	Tl	203	355883.748	0.853	39.921505	ug/L
	Tl	205	835819.257	2.003	41.779408	ug/L
	Pb	208	1172754.240	2.808	41.512580	ug/L
>	Bi	209	417339.020	417339.020		ug/L

Sample ID: 0A21031-SCV1
Report Date/Time: Thursday, January 21, 2010 13:41:35

Sample Information

Sample ID: 0A21031-CCB
Autosampler Position: 1
Sample Date/Time: Thursday, January 21, 2010 13:48:56
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File:
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	513677.534	513677.534				ug/L
	Be	9	5.000	0.000	0.006434	0.008	126.666	ug/L
	V	51	3819.389	0.000	0.010848	0.011	103.733	ug/L
	Cr	52	11843.930	0.000	0.012014	0.018	151.321	ug/L
	Cr	53	2882.610	0.000	0.126551	0.027	21.603	ug/L
	Co	59	80.335	0.000	0.000515	0.001	175.329	ug/L
	Cu	63	349.345	0.000	0.006643	0.004	58.964	ug/L
	Cu	65	163.670	-0.000	0.000095	0.004	4191.092	ug/L
	Zn	66	3518.568	0.000	0.100179	0.030	29.966	ug/L
	Zn	68	2754.892	0.000	0.075377	0.051	67.083	ug/L
>	Ge	72	389785.344	389785.344				ug/L
	As	75	579.390	0.000	0.059597	0.008	14.219	ug/L
	Se	77	205.005	-0.000	0.120189	0.032	26.581	ug/L
	Se	82	11.328	-0.000	-0.017084	0.083	483.098	ug/L
>	Rh	103	444593.308	444593.308				ug/L
	Ag	107	84.001	0.000	0.005838	0.001	15.398	ug/L
	Cd	111	7.011	0.000	0.001869	0.003	144.946	ug/L
	Cd	114	19.459	0.000	0.001506	0.002	106.394	ug/L
>	In	115	369325.157	369325.157				ug/L
	Sb	121	880.396	0.002	0.092008	0.003	3.421	ug/L
	Sb	123	647.446	0.002	0.089082	0.004	5.030	ug/L
	Tl	203	70.334	0.000	0.001213	0.001	103.211	ug/L
	Tl	205	155.670	0.000	0.001185	0.000	38.900	ug/L
	Pb	208	1066.042	0.000	0.002825	0.001	48.244	ug/L
>	Bi	209	426728.308	426728.308				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	96.421
	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	97.271
	As	74.922	
	Se	76.920	

90584

Se	81.917		
Rh	102.905	101.451	
Ag	106.905		
Cd	110.904		
Cd	113.904		
In	114.904	101.820	
Sb	120.904		
Sb	122.904		
Tl	202.972		
Tl	204.975		
Pb	207.977		
Bi	208.980	98.062	

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	506782.658	506782.658		ug/L
Be	9	7.000	0.000	0.012671	ug/L
V	51	3746.348	-0.000	-0.001686	ug/L
Cr	52	11888.000	-0.000	-0.006704	ug/L
Cr	53	2898.617	0.000	0.095985	ug/L
Co	59	73.001	-0.000	-0.000210	ug/L
Cu	63	330.011	0.000	0.002244	ug/L
Cu	65	157.003	-0.000	-0.003479	ug/L
Zn	66	3549.917	0.000	0.080258	ug/L
Zn	68	2741.553	0.000	0.020291	ug/L
Ge	72	398740.338	398740.338		ug/L
As	75	580.973	0.000	0.080161	ug/L
Se	77	206.006	-0.000	-0.142170	ug/L
Se	82	-1.313	-0.000	-0.075474	ug/L
Rh	103	439184.380	439184.380		ug/L
Ag	107	72.001	0.000	0.004837	ug/L
Cd	111	0.964	-0.000	-0.000462	ug/L
Cd	114	8.745	-0.000	-0.000294	ug/L
In	115	375837.448	375837.448		ug/L
Sb	121	874.082	0.002	0.089486	ug/L
Sb	123	687.907	0.002	0.063421	ug/L
Tl	203	77.001	0.000	0.001743	ug/L
Tl	205	165.004	0.000	0.001438	ug/L
Pb	208	1055.041	0.000	0.001503	ug/L
Bi	209	437833.058	437833.058		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	512252.273	512252.273		ug/L
Be	9	8.000	0.000	0.008418	ug/L
V	51	3857.494	0.000	0.014143	ug/L
Cr	52	11838.918	0.000	0.011124	ug/L
Cr	53	2992.615	0.000	0.135088	ug/L
Co	59	77.001	0.000	0.000229	ug/L
Cu	63	357.012	0.000	0.007931	ug/L
Cu	65	161.003	-0.000	-0.001083	ug/L
Zn	66	3486.880	0.000	0.085675	ug/L
Zn	68	2787.584	0.000	0.086158	ug/L
Ge	72	389788.584	389788.584		ug/L
As	75	561.975	0.000	0.050866	ug/L
Se	77	211.005	-0.000	-0.083542	ug/L
Se	82	3.617	0.000	0.063120	ug/L
Rh	103	440582.666	440582.666		ug/L
Ag	107	86.001	0.000	0.006098	ug/L
Cd	111	14.594	0.000	0.004840	ug/L
Cd	114	22.271	0.000	0.002037	ug/L
In	115	369780.898	369780.898		ug/L
Sb	121	912.087	0.002	0.095538	ug/L
Sb	123	617.774	0.002	0.084471	ug/L
Tl	203	78.001	0.000	0.002112	ug/L
Tl	205	144.003	0.000	0.000853	ug/L
Pb	208	1101.044	0.000	0.004225	ug/L
Bi	209	424491.656	424491.656		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	521987.872	521987.872		ug/L
Be	9	2.000	-0.000	-0.002787	ug/L
V	51	3854.325	0.001	0.020086	ug/L
Cr	52	11808.871	0.001	0.030823	ug/L
Cr	53	2858.600	0.000	0.148819	ug/L
Co	59	91.001	0.000	0.001527	ug/L
Cu	63	361.013	0.000	0.009754	ug/L
Cu	65	173.004	0.000	0.004278	ug/L
Zn	66	3508.897	0.001	0.134707	ug/L
Zn	68	2753.559	0.000	0.119582	ug/L
Ge	72	382850.133	382850.133		ug/L
As	75	585.322	0.000	0.087775	ug/L
Se	77	199.006	-0.000	-0.134866	ug/L
Se	82	31.981	0.000	0.077341	ug/L
Rh	103	454012.900	454012.900		ug/L
Ag	107	94.002	0.000	0.006577	ug/L
Cd	111	5.474	0.000	0.001228	ug/L
Cd	114	27.362	0.000	0.002776	ug/L

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[>	In	115	362257.128	362257.128		ug/L
[	Sb	121	656.080	0.002	0.000808	ug/L
[	Sb	123	536.667	0.002	0.000352	ug/L
[	Tl	203	58.091	-0.000	-0.000217	ug/L
[	Tl	205	158.005	0.000	0.001484	ug/L
[	Pb	208	1042.041	0.000	0.002746	ug/L
[>	Bi	209	417880.210	417880.210		ug/L

Sample ID: 0A21031-CCB
Report Date/Time: Thursday, January 21, 2010 13:50:49

Sample Information

Sample ID: 0A21031-CRL1
Autosampler Position: 3
Sample Date/Time: Thursday, January 21, 2010 13:53:01
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File:
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	518617.055	518617.055				ug/L
	Be	9	65.668	0.000	0.187443	0.008	4.303	ug/L
	V	51	6226.813	0.007	0.229699	0.034	14.986	ug/L
	Cr	52	13941.065	0.006	0.241364	0.045	18.849	ug/L
	Cr	53	3170.736	0.001	0.392454	0.047	12.007	ug/L
	Co	59	2575.490	0.006	0.208774	0.003	1.469	ug/L
	Cu	63	1614.199	0.003	0.227829	0.023	10.071	ug/L
	Cu	65	811.054	0.002	0.231042	0.009	3.774	ug/L
	Zn	66	968.409	-0.006	-1.514459	0.048	3.147	ug/L
	Zn	68	999.080	-0.004	-1.478701	0.020	1.332	ug/L
>	Ge	72	387691.113	387691.113				ug/L
	As	75	867.891	0.001	0.205971	0.030	14.806	ug/L
	Se	77	242.673	0.000	0.117858	0.021	18.189	ug/L
	Se	82	36.973	0.000	0.099180	0.118	119.069	ug/L
>	Rh	103	453236.025	453236.025				ug/L
	Ag	107	2123.003	0.005	0.187323	0.003	1.712	ug/L
	Cd	111	516.678	0.001	0.194688	0.008	4.077	ug/L
	Cd	114	1235.689	0.003	0.205539	0.009	4.305	ug/L
>	In	115	356687.282	356687.282				ug/L
	Sb	121	2291.057	0.006	0.264679	0.003	1.166	ug/L
	Sb	123	1650.911	0.004	0.251036	0.015	6.039	ug/L
	Tl	203	1842.590	0.004	0.197658	0.005	2.283	ug/L
	Tl	205	4415.076	0.010	0.211742	0.012	5.756	ug/L
	Pb	208	6956.757	0.014	0.209402	0.008	4.016	ug/L
>	Bi	209	422691.677	422691.677				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.348
	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	96.748
	As	74.922	
	Se	76.920	

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	Se	81.917	
>	Rh	102.905	103.423
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.336
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	97.134

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	512613.887	512613.887		ug/L
Be	9	58.001	0.000	0.198732	ug/L
V	51	6015.482	0.006	0.191520	ug/L
Cr	52	12928.709	0.005	0.188916	ug/L
Cr	53	3226.761	0.001	0.344352	ug/L
Co	59	2640.514	0.006	0.206628	ug/L
Cu	63	1526.178	0.003	0.202833	ug/L
Cu	65	811.064	0.002	0.220993	ug/L
Zn	66	929.070	-0.008	-1.560736	ug/L
Zn	68	1033.086	-0.004	-1.479943	ug/L
Ge	72	401397.038	401397.038		ug/L
As	75	827.169	0.001	0.170878	ug/L
Se	77	248.007	0.000	0.104388	ug/L
Se	82	39.858	0.000	0.101416	ug/L
Rh	103	446831.534	446831.534		ug/L
Ag	107	2133.340	0.005	0.190946	ug/L
Cd	111	525.806	0.001	0.200888	ug/L
Cd	114	1158.183	0.003	0.195379	ug/L
In	115	356398.582	356398.582		ug/L
Sb	121	2370.417	0.006	0.266652	ug/L
Sb	123	1652.704	0.004	0.244128	ug/L
Tl	203	1871.284	0.004	0.193886	ug/L
Tl	205	4395.386	0.010	0.203249	ug/L
Pb	208	6939.398	0.014	0.200477	ug/L
Bi	209	437330.632	437330.632		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	515947.575	515947.575		ug/L
Be	9	64.001	0.000	0.183397	ug/L
V	51	6270.701	0.007	0.239212	ug/L
Cr	52	14084.975	0.007	0.270154	ug/L
Cr	53	3188.743	0.001	0.438631	ug/L
Co	59	2531.474	0.006	0.207408	ug/L
Cu	63	1625.201	0.003	0.232429	ug/L
Cu	65	818.056	0.002	0.233628	ug/L
Zn	66	955.073	-0.008	-1.517108	ug/L
Zn	68	987.075	-0.004	-1.497748	ug/L
Ge	72	383418.329	383418.329		ug/L
As	75	899.245	0.001	0.228052	ug/L
Se	77	244.007	0.000	0.142578	ug/L
Se	82	61.698	0.000	0.216140	ug/L
Rh	103	449735.586	449735.586		ug/L
Ag	107	2079.323	0.005	0.184856	ug/L
Cd	111	520.154	0.001	0.197432	ug/L
Cd	114	1261.347	0.003	0.211567	ug/L
In	115	359200.933	359200.933		ug/L
Sb	121	2277.386	0.006	0.261122	ug/L
Sb	123	1597.439	0.004	0.240560	ug/L
Tl	203	1886.268	0.004	0.202648	ug/L
Tl	205	4310.343	0.010	0.206271	ug/L
Pb	208	6996.446	0.014	0.210550	ug/L
Bi	209	422774.136	422774.136		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	527288.704	527288.704		ug/L
Be	9	65.001	0.000	0.182202	ug/L
V	51	6394.246	0.007	0.256385	ug/L
Cr	52	13828.611	0.006	0.265022	ug/L
Cr	53	3098.702	0.001	0.394479	ug/L
Co	59	2554.482	0.007	0.212287	ug/L
Cu	63	1691.217	0.004	0.248126	ug/L
Cu	65	807.064	0.002	0.236807	ug/L
Zn	66	1021.083	-0.008	-1.466833	ug/L
Zn	68	997.080	-0.004	-1.458411	ug/L
Ge	72	378259.872	378259.872		ug/L
As	75	877.261	0.001	0.220084	ug/L
Se	77	235.008	0.000	0.105808	ug/L
Se	82	10.562	-0.000	0.020014	ug/L
Rh	103	463140.987	463140.987		ug/L
Ag	107	2156.347	0.006	0.188167	ug/L
Cd	111	504.078	0.001	0.183742	ug/L
Cd	114	1287.535	0.003	0.209882	ug/L

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[>	In	115	344462.330	344462.330		ug/L
[	Sb	121	2225.369	0.006	0.266284	ug/L
[	Sb	123	1702.581	0.006	0.259418	ug/L
[	Tl	203	1788.237	0.004	0.195480	ug/L
[	Tl	205	4539.487	0.011	0.225708	ug/L
[	Pb	208	6934.429	0.015	0.217181	ug/L
[>	Bi	209	407970.264	407970.264		ug/L

Sample ID: 0A21031-CRL1
Report Date/Time: Thursday, January 21, 2010 13:54:54

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Sample Information

Sample ID: 0A21031-CRL2
Autosampler Position: 4
Sample Date/Time: Thursday, January 21, 2010 13:57:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File:
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	512046.738	512046.738				ug/L
⌊	Be	9	345.345	0.001	1.035725	0.047	4.541	ug/L
⌈	V	51	14594.627	0.028	0.965986	0.013	1.347	ug/L
|	Cr	52	21673.382	0.025	1.032601	0.055	5.358	ug/L
|	Cr	53	3946.129	0.003	1.031190	0.131	12.734	ug/L
|	Co	59	12507.400	0.032	1.025406	0.017	1.682	ug/L
|	Cu	63	6295.169	0.015	1.030653	0.028	2.716	ug/L
|	Cu	65	3181.073	0.008	1.062436	0.026	2.412	ug/L
|	Zn	66	2197.027	-0.003	-0.748021	0.017	2.267	ug/L
|	Zn	68	1837.588	-0.002	-0.749558	0.016	2.160	ug/L
|>	Ge	72	392294.545	392294.545				ug/L
|	As	75	2552.583	0.005	1.033877	0.108	10.448	ug/L
|	Se	77	378.681	0.000	0.923644	0.152	16.475	ug/L
⌊	Se	82	241.361	0.001	1.025984	0.240	23.411	ug/L
⌈>	Rh	103	444620.892	444620.892				ug/L
|	Ag	107	10824.308	0.024	0.981022	0.029	3.004	ug/L
|	Cd	111	2569.678	0.006	0.989758	0.038	3.846	ug/L
⌊	Cd	114	5923.075	0.013	1.011605	0.043	4.221	ug/L
⌈>	In	115	366860.301	366860.301				ug/L
|	Sb	121	8759.790	0.024	1.010925	0.025	2.442	ug/L
⌊	Sb	123	6473.243	0.017	0.982635	0.028	2.805	ug/L
⌈	Tl	203	9083.200	0.021	0.972347	0.008	0.842	ug/L
|	Tl	205	21371.472	0.049	1.020187	0.025	2.434	ug/L
|	Pb	208	30722.617	0.068	1.012032	0.036	3.604	ug/L
⌊>	Bi	209	434520.615	434520.615				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.115
⌊	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	97.897
|	As	74.922	
|	Se	76.920	

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Se	81.917		
Rh	102.905	101.457	
Ag	106.905		
Cd	110.904		
Cd	113.904		
In	114.904	101.141	
Sb	120.904		
Sb	122.904		
Tl	202.972		
Tl	204.975		
Pb	207.977		
Bi	208.980	99.852	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0A21031-CRL2	Zn	66	
0A21031-CRL2	Zn	68	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	515356.000	515356.000		ug/L
Be	9	348.012	0.001	1.040150	ug/L
V	51	14566.720	0.027	0.954188	ug/L
Cr	52	21538.843	0.024	1.001837	ug/L
Cr	53	3987.141	0.003	1.023084	ug/L
Co	59	12455.976	0.031	1.013648	ug/L
Cu	63	6380.886	0.018	1.033813	ug/L
Cu	65	3142.723	0.009	1.040780	ug/L
Zn	66	2196.380	-0.003	-0.758066	ug/L
Zn	68	1641.256	-0.002	-0.758066	ug/L
Ge	72	395088.486	395088.486		ug/L
As	75	2345.656	0.006	0.922386	ug/L
Se	77	408.016	0.000	1.086530	ug/L
Se	82	196.719	0.000	0.814515	ug/L
Rh	103	447241.010	447241.010		ug/L
Ag	107	10536.870	0.024	0.949174	ug/L
Cd	111	2690.150	0.008	1.030303	ug/L
Cd	114	5789.149	0.013	0.982928	ug/L
In	115	369629.747	369629.747		ug/L
Sb	121	9658.332	0.023	0.991538	ug/L
Sb	123	6378.280	0.017	0.980317	ug/L
Tl	203	9419.301	0.021	0.977576	ug/L
Tl	205	21578.756	0.048	0.997876	ug/L
Pb	208	30871.784	0.068	0.977844	ug/L
Bi	209	448204.669	448204.669		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	508825.867	508825.867		ug/L
Be	9	327.011	0.001	0.988841	ug/L
V	51	14880.896	0.028	0.963834	ug/L
Cr	52	21773.352	0.024	0.999488	ug/L
Cr	53	3874.089	0.003	0.904119	ug/L
Co	59	12850.319	0.031	1.017387	ug/L
Cu	63	6243.780	0.015	1.001218	ug/L
Cu	65	3223.780	0.009	1.055828	ug/L
Zn	66	2270.383	-0.003	-0.728439	ug/L
Zn	68	1661.261	-0.002	-0.756728	ug/L
Ge	72	399786.866	399786.866		ug/L
As	75	2618.780	0.006	1.041168	ug/L
Se	77	382.014	0.000	0.901881	ug/L
Se	82	235.486	0.001	0.976300	ug/L
Rh	103	440917.408	440917.408		ug/L
Ag	107	10795.269	0.024	0.986560	ug/L
Cd	111	2457.855	0.008	0.954776	ug/L
Cd	114	5755.308	0.013	0.991212	ug/L
In	115	367012.820	367012.820		ug/L
Sb	121	8692.373	0.023	1.002525	ug/L
Sb	123	6421.446	0.017	0.974150	ug/L
Tl	203	9016.778	0.021	0.962915	ug/L
Tl	205	21340.043	0.049	1.015741	ug/L
Pb	208	30704.280	0.068	1.008168	ug/L
Bi	209	435640.025	435640.025		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	511959.346	511959.346		ug/L
Be	9	360.013	0.001	1.080386	ug/L
V	51	14386.266	0.028	0.979938	ug/L
Cr	52	21707.151	0.027	1.096478	ug/L
Cr	53	3987.158	0.003	1.166388	ug/L
Co	59	12415.908	0.032	1.045204	ug/L
Cu	63	6280.623	0.016	1.056829	ug/L
Cu	65	3178.738	0.008	1.060722	ug/L
Zn	66	2124.337	0.003	-0.757367	ug/L
Zn	68	1610.247	0.002	0.730899	ug/L
Ge	72	381998.285	381998.286		ug/L
As	75	2683.131	0.006	1.138067	ug/L
Se	77	346.012	0.000	0.783543	ug/L
Se	82	291.877	0.001	1.287138	ug/L
Rh	103	445704.262	445704.262		ug/L

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	Ag	107	11141.794	0.025	1.007331	ug/L
	Cd	111	2561.029	0.006	0.984198	ug/L
	Cd	114	6224.767	0.014	1.080677	ug/L
>	In	115	363938.337	363938.337		ug/L
	Sb	121	8927.665	0.024	1.038714	ug/L
	Sb	123	6622.002	0.018	1.013439	ug/L
	Tl	203	8813.522	0.021	0.976650	ug/L
	Tl	205	21197.619	0.050	1.048948	ug/L
	Pb	208	30791.775	0.071	1.050284	ug/L
>	Bi	209	419817.121	419817.121		ug/L

Sample ID: 0A21031-CRL2
Report Date/Time: Thursday, January 21, 2010 13:59:01

Sample Information

Sample ID: 0A21031-CRL3
Autosampler Position: 5
Sample Date/Time: Thursday, January 21, 2010 14:01:13
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\0A21031-CRL3.010
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	514513.356	514513.356				ug/L
	Be	9	3453.536	0.007	10.392907	0.435	4.186	ug/L
	V	51	121065.629	0.300	10.445891	0.241	2.307	ug/L
	Cr	52	116054.681	0.266	10.926489	0.415	3.796	ug/L
	Cr	53	14778.087	0.031	10.411525	0.051	0.486	ug/L
	Co	59	128663.737	0.328	10.620155	0.188	1.775	ug/L
	Cu	63	61876.814	0.157	10.622228	0.080	0.752	ug/L
	Cu	65	31505.315	0.080	11.058674	0.278	2.513	ug/L
	Zn	66	17199.187	0.035	8.733001	0.119	1.363	ug/L
	Zn	68	13108.816	0.027	9.212935	0.286	3.104	ug/L
>	Ge	72	391611.178	391611.178				ug/L
	As	75	21864.632	0.055	10.597096	0.297	2.801	ug/L
	Se	77	1922.278	0.004	10.306358	0.142	1.373	ug/L
	Se	82	2478.008	0.006	11.166496	0.215	1.924	ug/L
>	Rh	103	448718.742	448718.742				ug/L
	Ag	107	113544.160	0.253	10.213211	0.072	0.708	ug/L
	Cd	111	26955.305	0.060	10.298447	0.187	1.817	ug/L
	Cd	114	62999.204	0.140	10.678258	0.145	1.362	ug/L
>	In	115	365491.787	365491.787				ug/L
	Sb	121	89053.031	0.244	10.410744	0.507	4.875	ug/L
	Sb	123	64840.159	0.177	9.968707	0.399	3.999	ug/L
	Tl	203	93897.286	0.220	10.324732	0.085	0.826	ug/L
	Tl	205	217791.001	0.512	10.671509	0.113	1.058	ug/L
	Pb	208	308670.112	0.723	10.691770	0.176	1.646	ug/L
>	Bi	209	425556.819	425556.819				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	96.578
	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	97.727
	As	74.922	
	Se	76.920	

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L	Se	81.917		
⌈>	Rh	102.905	102.392	
|	Ag	106.905		
|	Cd	110.904		
L	Cd	113.904		
⌈>	In	114.904	100.764	
|	Sb	120.904		
L	Sb	122.904		
⌈	Tl	202.972		
|	Tl	204.975		
|	Pb	207.977		
L>	Bi	208.980	97.792	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	510823.620	510823.620		ug/L
Be	9	3478.881	0.007	10.537022	ug/L
V	51	119976.958	0.293	10.204624	ug/L
Cr	52	113050.730	0.256	10.450982	ug/L
Cr	53	14912.700	0.031	10.355813	ug/L
Co	59	131117.785	0.330	10.679866	ug/L
Cu	63	62203.293	0.156	10.534886	ug/L
Cu	65	31098.884	0.078	10.785888	ug/L
Zn	66	17303.108	0.035	8.852002	ug/L
Zn	68	12987.927	0.026	8.950831	ug/L
Ge	72	396887.730	396887.730		ug/L
As	75	21753.872	0.054	10.401126	ug/L
Se	77	1975.293	0.004	10.489725	ug/L
Se	82	2535.587	0.006	11.274196	ug/L
Rh	103	445219.375	445219.375		ug/L
Ag	107	113569.874	0.255	10.298444	ug/L
Cd	111	27081.506	0.061	10.428714	ug/L
Cd	114	61587.630	0.138	10.516716	ug/L
In	115	370252.269	370252.269		ug/L
Sb	121	85421.562	0.230	9.852338	ug/L
Sb	123	63509.086	0.171	9.833214	ug/L
Tl	203	98218.682	0.222	10.381626	ug/L
Tl	206	219306.914	0.506	10.542270	ug/L
Pb	208	308884.297	0.709	10.488923	ug/L
Bi	209	433715.880	433715.880		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	506572.856	506572.856		ug/L
Be	9	3514.900	0.007	10.737589	ug/L
V	51	121233.808	0.300	10.446882	ug/L
Cr	52	118040.627	0.271	11.117403	ug/L
Cr	53	14844.558	0.031	10.454567	ug/L
Co	59	130823.884	0.333	10.771492	ug/L
Cu	63	62052.982	0.157	10.640070	ug/L
Cu	65	31640.239	0.080	11.081388	ug/L
Zn	66	17131.691	0.035	8.677352	ug/L
Zn	68	13078.092	0.027	9.170347	ug/L
Ge	72	392044.359	392044.359		ug/L
As	75	21598.846	0.054	10.451614	ug/L
Se	77	1911.275	0.004	10.227796	ug/L
Se	82	2426.200	0.006	10.918148	ug/L
Rh	103	447043.182	447043.182		ug/L
Ag	107	112805.903	0.252	10.184448	ug/L
Cd	111	27083.440	0.061	10.384914	ug/L
Cd	114	62999.688	0.141	10.719203	ug/L
In	115	368788.932	368788.932		ug/L
Sb	121	90982.886	0.246	10.536088	ug/L
Sb	123	64787.838	0.175	9.863507	ug/L
Tl	203	93533.340	0.221	10.365877	ug/L
Tl	205	217136.092	0.514	10.721470	ug/L
Pb	208	309515.516	0.731	10.803384	ug/L
Bi	209	422251.536	422251.536		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	526343.594	526343.594		ug/L
Be	9	3368.628	0.008	9.904112	ug/L
V	51	121986.324	0.307	10.566467	ug/L
Cr	52	117072.785	0.273	11.211472	ug/L
Cr	53	14577.006	0.031	10.424186	ug/L
Co	59	124249.571	0.322	10.409017	ug/L
Cu	63	61374.156	0.158	10.691729	ug/L
Cu	65	31778.863	0.082	11.318788	ug/L
Zn	66	17162.788	0.036	8.869848	ug/L
Zn	68	13260.430	0.028	9.517828	ug/L
Ge	72	385891.444	385891.444		ug/L
As	75	22230.176	0.056	10.938547	ug/L
Se	77	1880.288	0.004	10.221536	ug/L
Se	82	2472.227	0.006	11.308148	ug/L
Rh	103	453893.688	453893.688		ug/L
Ag	107	114256.704	0.252	10.158739	ug/L
Cd	111	26700.989	0.059	10.083712	ug/L
Cd	114	64440.312	0.142	10.798856	ug/L

Sample ID: 0A21031-CRL3
Report Date/Time: Thursday, January 21, 2010 14:03:08

[	In	115	357434 164	357434 164		ug/L
]	Sb	121	90754 813	0 254	10 843831	ug/L
\	Sb	123	68244 552	0 186	10 408401	ug/L
^	Tl	203	91838 836	0 218	10 226883	ug/L
_	Tl	205	216930 987	0 515	10 750788	ug/L
`	Pb	208	307800 523	0 728	10 783003	ug/L
{	Bi	209	420703 040	420703 040		ug/L

Sample Information

Sample ID: 0A21031-IFA1
Autosampler Position: 10
Sample Date/Time: Thursday, January 21, 2010 14:05:57
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File:
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	588514.011	588514.011				ug/L
	Be	9	1.667	-0.000	-0.004337	0.002	34.901	ug/L
	V	51	3322.510	-0.001	-0.026163	0.022	82.749	ug/L
	Cr	52	14203.923	0.007	0.298378	0.031	10.535	ug/L
	Cr	53	4530.482	0.005	1.660312	0.081	4.872	ug/L
	Co	59	182.671	0.000	0.009379	0.000	5.105	ug/L
	Cu	63	1953.287	0.004	0.293396	0.027	9.135	ug/L
	Cu	65	931.403	0.002	0.280326	0.002	0.553	ug/L
	Zn	66	3363.159	0.000	0.056642	0.076	133.472	ug/L
	Zn	68	2282.721	-0.001	-0.291466	0.111	38.223	ug/L
>	Ge	72	380127.703	380127.703				ug/L
	As	75	543.615	0.000	0.047831	0.073	152.907	ug/L
	Se	77	401.015	0.000	1.138038	0.077	6.806	ug/L
	Se	82	3.377	-0.000	-0.053782	0.125	231.597	ug/L
>	Rh	103	421992.257	421992.257				ug/L
	Ag	107	414.351	0.001	0.037882	0.015	39.280	ug/L
	Cd	111	-44.062	-0.000	-0.018674	0.024	128.753	ug/L
	Cd	114	2129.367	0.005	0.382077	0.003	0.825	ug/L
>	In	115	334643.557	334643.557				ug/L
	Sb	121	961.409	0.003	0.112600	0.016	14.530	ug/L
	Sb	123	667.700	0.002	0.102649	0.007	6.360	ug/L
	Tl	203	74.668	0.000	0.002162	0.002	101.732	ug/L
	Tl	205	167.670	0.000	0.002256	0.001	36.973	ug/L
	Pb	208	1434.737	0.001	0.018557	0.001	7.869	ug/L
>	Bi	209	402534.372	402534.372				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	110.469
	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	94.861
	As	74.922	
	Se	76.920	

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	Se	81.917	
>	Rh	102.905	96.293
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	92.259
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	92.502

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	568878.583	568878.583		ug/L
Be	9	2.000	-0.000	-0.003277	ug/L
V	51	3368.011	-0.001	-0.030582	ug/L
Cr	52	14403.662	0.007	0.277621	ug/L
Cr	53	4598.528	0.006	1.609647	ug/L
Co	59	180.004	0.000	0.009871	ug/L
Cu	63	1987.291	0.004	0.296284	ug/L
Cu	65	962.074	0.002	0.282073	ug/L
Zn	66	3332.811	-0.000	-0.022771	ug/L
Zn	68	2223.368	-0.001	-0.401383	ug/L
Ge	72	390858.421	390858.421		ug/L
As	75	662.102	0.001	0.114837	ug/L
Se	77	419.016	0.000	1.180388	ug/L
Se	82	8.588	-0.000	-0.030672	ug/L
Rh	103	421380.131	421380.131		ug/L
Ag	107	590.030	0.001	0.054748	ug/L
Cd	111	18.859	0.000	0.005834	ug/L
Cd	114	2144.656	0.005	0.365408	ug/L
In	115	343838.263	343838.263		ug/L
Sb	121	1134.101	0.003	0.131086	ug/L
Sb	123	730.008	0.002	0.109913	ug/L
Tl	203	98.002	0.000	0.004326	ug/L
Tl	205	190.004	0.000	0.003218	ug/L
Pb	208	1480.074	0.001	0.019084	ug/L
Bi	209	411187.112	411187.112		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	584199.243	584199.243		ug/L
Be	9	1.000	0.000	0.008070	ug/L
V	51	3548.180	-0.000	-0.002648	ug/L
Cr	52	14403.852	0.008	0.334584	ug/L
Cr	53	4441.426	0.008	1.617803	ug/L
Co	59	185.004	0.000	0.009731	ug/L
Cu	63	1810.247	0.004	0.270899	ug/L
Cu	65	921.089	0.002	0.279791	ug/L
Zn	66	3348.817	0.000	0.064961	ug/L
Zn	68	2385.422	-0.001	-0.178625	ug/L
Ge	72	378533.214	378533.214		ug/L
As	75	388.379	-0.000	-0.030188	ug/L
Se	77	383.014	0.000	1.048636	ug/L
Se	82	-25.174	-0.000	-0.188310	ug/L
Rh	103	419329.698	419329.698		ug/L
Ag	107	354.012	0.001	0.032298	ug/L
Cd	111	51.609	-0.000	-0.021837	ug/L
Cd	114	2113.863	0.008	0.381683	ug/L
In	115	338488.810	338488.810		ug/L
Sb	121	923.089	0.002	0.106680	ug/L
Sb	123	642.532	0.002	0.097273	ug/L
Tl	203	75.001	0.000	0.002230	ug/L
Tl	205	157.003	0.000	0.001711	ug/L
Pb	208	1463.073	0.001	0.018873	ug/L
Bi	209	402643.342	402643.342		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	612463.199	612463.199		ug/L
Be	9	2.000	-0.000	-0.003884	ug/L
V	51	3057.358	-0.001	-0.045282	ug/L
Cr	52	13804.484	0.007	0.282748	ug/L
Cr	53	4561.495	0.006	1.753568	ug/L
Co	59	173.004	0.000	0.009834	ug/L
Cu	63	2082.324	0.006	0.323035	ug/L
Cu	65	911.087	0.002	0.279114	ug/L
Zn	66	3410.848	0.001	0.127748	ug/L
Zn	68	2239.373	-0.001	-0.294390	ug/L
Ge	72	373191.474	373191.474		ug/L
As	75	553.383	0.000	0.058848	ug/L
Se	77	401.015	0.000	1.185077	ug/L
Se	82	26.720	0.000	0.057538	ug/L
Rh	103	425286.841	425286.841		ug/L
Ag	107	299.009	0.001	0.029801	ug/L
Cd	111	99.438	0.000	-0.040820	ug/L
Cd	114	2129.584	0.006	0.379134	ug/L

Sample ID: 0A21031-IFA1
Report Date/Time: Thursday, January 21, 2010 14:07:50

[illegible]	In	115	321628.587	321628.587		ug/L
[illegible]	Sb	121	827.058	0.002	0.100023	ug/L
[illegible]	Sb	123	630.531	0.002	0.100782	ug/L
[illegible]	Tl	203	54.001	-0.000	-0.000071	ug/L
[illegible]	Tl	205	156.003	0.000	0.001841	ug/L
[illegible]	Pb	208	1358.086	0.001	0.018804	ug/L
[illegible]	Bi	209	793772.881	793772.881		ug/L

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Sample Information

Sample ID: 0A21031-IFB1
Autosampler Position: 11
Sample Date/Time: Thursday, January 21, 2010 14:10:02
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File:
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	627638.248	627638.248				ug/L
⌊	Be	9	6821.991	0.011	16.880828	0.390	2.317	ug/L
⌈	V	51	214725.310	0.580	20.203096	0.643	3.180	ug/L
|	Cr	52	198715.543	0.515	21.128236	0.356	1.685	ug/L
|	Cr	53	25401.675	0.063	21.242906	0.274	1.291	ug/L
|	Co	59	225458.514	0.618	20.002392	0.217	1.082	ug/L
|	Cu	63	113443.310	0.310	20.975453	0.426	2.032	ug/L
|	Cu	65	54370.115	0.149	20.546127	0.385	1.873	ug/L
|	Zn	66	33605.541	0.084	20.676712	0.389	1.882	ug/L
|	Zn	68	25660.936	0.064	21.985898	0.328	1.492	ug/L
|>	Ge	72	364512.376	364512.376				ug/L
|	As	75	42339.032	0.115	22.288758	0.240	1.076	ug/L
|	Se	77	3394.507	0.009	20.785429	0.468	2.252	ug/L
⌊	Se	82	4300.092	0.012	20.874857	0.476	2.279	ug/L
⌈>	Rh	103	422017.876	422017.876				ug/L
|	Ag	107	201854.421	0.478	19.306724	0.346	1.794	ug/L
|	Cd	111	45906.166	0.109	18.648806	0.357	1.915	ug/L
⌊	Cd	114	115582.411	0.274	20.835085	0.285	1.368	ug/L
⌈>	In	115	315345.807	315345.807				ug/L
|	Sb	121	147918.509	0.469	20.047285	0.421	2.101	ug/L
⌊	Sb	123	109998.648	0.349	19.614086	0.880	4.487	ug/L
⌈	Tl	203	168099.030	0.428	20.030110	0.303	1.514	ug/L
|	Tl	205	422834.670	1.076	22.449462	0.485	2.158	ug/L
|	Pb	208	568044.072	1.444	21.342207	0.194	0.909	ug/L
⌊>	Bi	209	392904.629	392904.629				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	117.813
⌊	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	90.964
|	As	74.922	
|	Se	76.920	

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	Se	81.917		
>	Rh	102.905		96.299
	Ag	106.905		
	Cd	110.904		
	Cd	113.904		
>	In	114.904		86.939
	Sb	120.904		
	Sb	122.904		
	Tl	202.972		
	Tl	204.975		
	Pb	207.977		
>	Bi	208.980		90.289

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0A21031-IFB1	Be	9	
0A21031-IFB1	As	75	
0A21031-IFB1	Tl	205	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	612034.689	612034.689		ug/L
Be	9	5816.318	0.011	17.240209	ug/L
V	51	208733.190	0.561	19.538059	ug/L
Cr	52	203894.158	0.524	21.502046	ug/L
Cr	53	25374.243	0.062	20.999176	ug/L
Co	59	225112.480	0.612	19.788842	ug/L
Cu	63	112084.832	0.304	20.532269	ug/L
Cu	65	55880.388	0.151	20.929686	ug/L
Zn	66	33331.923	0.082	20.281026	ug/L
Zn	68	25819.782	0.063	21.827738	ug/L
Ge	72	367893.943	367893.943		ug/L
As	75	42208.346	0.114	22.012186	ug/L
Se	77	3443.884	0.009	20.901002	ug/L
Se	82	4444.479	0.012	21.381783	ug/L
Rh	103	417474.611	417474.611		ug/L
Ag	107	198249.498	0.475	19.167823	ug/L
Cd	111	45788.197	0.110	18.792280	ug/L
Cd	114	116000.070	0.278	21.136741	ug/L
In	115	323291.248	323291.248		ug/L
Sb	121	149735.666	0.463	19.788802	ug/L
Sb	123	108411.091	0.336	18.842029	ug/L
Tl	203	166366.532	0.421	19.720147	ug/L
Tl	205	419556.571	1.049	21.890646	ug/L
Pb	208	574101.821	1.434	21.200816	ug/L
Bi	209	399724.005	399724.005		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	633385.215	633385.215		ug/L
Be	9	6068.370	0.011	16.788486	ug/L
V	51	214622.393	0.581	20.250737	ug/L
Cr	52	197767.403	0.514	21.089468	ug/L
Cr	53	25270.877	0.063	21.189871	ug/L
Co	59	224780.256	0.618	20.000284	ug/L
Cu	63	113314.869	0.311	21.011689	ug/L
Cu	65	54211.484	0.149	20.548884	ug/L
Zn	66	33528.843	0.084	20.680132	ug/L
Zn	68	25897.083	0.064	22.271880	ug/L
Ge	72	363434.083	363434.083		ug/L
As	75	42500.452	0.116	22.440394	ug/L
Se	77	3308.798	0.009	20.270440	ug/L
Se	82	4272.471	0.012	20.804616	ug/L
Rh	103	426824.274	426824.274		ug/L
Ag	107	201363.882	0.472	19.061381	ug/L
Cd	111	45400.269	0.108	18.242172	ug/L
Cd	114	116643.736	0.273	20.798168	ug/L
In	115	314966.566	314966.566		ug/L
Sb	121	146103.536	0.464	19.519[illegible]	ug/L
Sb	123	108897.798	0.346	19.427787	ug/L
Tl	203	167186.616	0.428	20.643980	ug/L
Tl	205	425849.744	1.091	22.752511	ug/L
Pb	208	570356.684	1.458	21.563436	ug/L
Bi	209	390445.223	390445.223		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	537494.829	537494.829		ug/L
Be	9	5780.284	0.011	16.463780	ug/L
V	51	219820.347	0.597	20.820482	ug/L
Cr	52	194486.088	0.507	20.783186	ug/L
Cr	53	25556.805	0.064	21.539872	ug/L
Co	59	226482.808	0.626	20.219886	ug/L
Cu	63	114920.229	0.316	21.382382	ug/L
Cu	65	53008.494	0.146	20.159821	ug/L
Zn	66	33958.867	0.086	21.058875	ug/L
Zn	68	25575.963	0.064	22.058086	ug/L
Ge	72	362208.123	362208.123		ug/L
As	75	42307.298	0.116	22.413884	ug/L
Se	77	3433.8[illegible]	0.009	21.184848	ug/L
Se	82	4183.[illegible]	0.012	20.438193	ug/L

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I>	Rh	103	421954.742	421954.742		ug/L
I	Ag	107	205849.810	0.468	19.700888	ug/L
I	Cd	111	46662.031	0.110	18.911987	ug/L
I	Cd	114	114103.427	0.270	20.570347	ug/L
I>	In	115	307788.616	307788.616		ug/L
I	Sb	121	147817.338	0.480	20.533416	ug/L
I	Sb	123	112687.056	0.366	20.572462	ug/L
I	Tl	203	158714.941	0.434	20.328223	ug/L
I	Tl	205	422986.684	1.088	22.706227	ug/L
I	Pb	208	550873.709	1.438	21.262571	ug/L
I>	Bi	209	388544.658	388544.658		ug/L

Sample Information

Sample ID: 0A21031-IFB1
Autosampler Position: 11
Sample Date/Time: Thursday, January 21, 2010 14:14:09
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File:
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	608801.379	608801.379				ug/L
	Be	9	6413.609	0.011	16.314369	0.463	2.837	ug/L
	V	51	213001.816	0.566	19.734657	0.606	3.072	ug/L
	Cr	52	183688.094	0.466	19.131118	0.372	1.947	ug/L
	Cr	53	25558.905	0.062	21.033053	0.397	1.888	ug/L
	Co	59	219081.678	0.592	19.144010	0.163	0.854	ug/L
	Cu	63	109939.331	0.296	20.027921	1.015	5.070	ug/L
	Cu	65	50520.883	0.136	18.805756	0.475	2.526	ug/L
	Zn	66	33561.340	0.082	20.305796	0.524	2.579	ug/L
	Zn	68	23488.802	0.057	19.595414	0.792	4.041	ug/L
>	Ge	72	370094.457	370094.457				ug/L
	As	75	39254.670	0.105	20.337802	0.479	2.355	ug/L
	Se	77	3261.111	0.008	19.591679	0.227	1.157	ug/L
	Se	82	3877.817	0.010	18.541429	0.529	2.851	ug/L
>	Rh	103	405543.534	405543.534				ug/L
	Ag	107	195798.558	0.483	19.506662	0.626	3.208	ug/L
	Cd	111	46752.050	0.115	19.797620	1.193	6.022	ug/L
	Cd	114	106035.635	0.262	19.901059	0.438	2.200	ug/L
>	In	115	310654.952	310654.952				ug/L
	Sb	121	142954.361	0.460	19.660481	0.271	1.380	ug/L
	Sb	123	114378.744	0.368	20.687731	0.391	1.890	ug/L
	Tl	203	165986.850	0.409	19.166895	0.055	0.287	ug/L
	Tl	205	403659.375	0.996	20.771765	0.754	3.631	ug/L
	Pb	208	538131.571	1.325	19.594542	0.326	1.666	ug/L
>	Bi	209	405381.626	405381.626				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	114.277
	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	92.357
	As	74.922	
	Se	76.920	

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	Se	81.917	
>	Rh	102.905	92.540
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	85.645
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	93.156

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0A21031-IFB1	Be	9	

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	616814.845	616814.845		ug/L
	Be	9	8290.822	0.010	16.038384	ug/L
	V	51	215110.435	0.580	20.219877	ug/L
	Cr	52	183041.429	0.472	19.349388	ug/L
	Cr	53	25289.980	0.082	21.127976	ug/L
	Co	59	217525.882	0.598	19.290560	ug/L
	Cu	63	112587.486	0.308	20.797678	ug/L
	Cu	65	50804.126	0.138	19.106298	ug/L
	Zn	66	33207.343	0.082	20.388181	ug/L
	Zn	68	23978.419	0.059	20.369078	ug/L
>	Ge	72	384807.501	384807.501		ug/L
	As	75	39090.886	0.107	20.702900	ug/L
	Se	77	3208.753	0.008	19.562583	ug/L
	Se	82	3927.404	0.011	19.046461	ug/L
>	Rh	103	424418.484	424418.484		ug/L
	Ag	107	198086.307	0.467	18.839528	ug/L
	Cd	111	45819.107	0.108	18.608158	ug/L
	Cd	114	108218.086	0.256	19.395437	ug/L
>	In	115	309233.834	309233.834		ug/L
	Sb	121	140182.802	0.453	19.366281	ug/L
	Sb	123	111366.828	0.360	20.236328	ug/L
	Tl	203	184988.357	0.408	19.154017	ug/L
	Tl	205	412290.063	1.022	21.325377	ug/L
	Pb	208	540807.784	1.338	19.788973	ug/L
>	Bi	209	403207.898	403207.898		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	616817.021	616817.021		ug/L
	Be	9	8287.828	0.010	16.056630	ug/L
	V	51	214123.075	0.572	19.929130	ug/L
	Cr	52	184757.798	0.471	19.342808	ug/L
	Cr	53	25812.815	0.083	21.374197	ug/L
	Co	59	218406.962	0.593	19.173788	ug/L
	Cu	63	111580.558	0.302	20.408098	ug/L
	Cu	65	50957.629	0.136	19.053876	ug/L
	Zn	66	34122.661	0.084	20.784707	ug/L
	Zn	68	23424.581	0.057	19.530567	ug/L
>	Ge	72	368344.290	368344.290		ug/L
	As	75	39417.084	0.108	20.515614	ug/L
	Se	77	3212.754	0.008	19.380834	ug/L
	Se	82	3856.939	0.010	18.565896	ug/L
>	Rh	103	404472.483	404472.483		ug/L
	Ag	107	196401.469	0.486	19.599609	ug/L
	Cd	111	47262.089	0.117	20.030381	ug/L
	Cd	114	107203.986	0.265	20.181828	ug/L
>	In	115	312004.421	312004.421		ug/L
	Sb	121	143923.950	0.461	19.706776	ug/L
	Sb	123	116085.359	0.372	20.906729	ug/L
	Tl	203	185480.553	0.411	19.227214	ug/L
	Tl	205	407151.462	1.010	21.077087	ug/L
	Pb	208	539829.887	1.338	19.776981	ug/L
>	Bi	209	402871.898	402871.898		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	582772.271	582772.271		ug/L
	Be	9	8451.977	0.011	16.848782	ug/L
	V	51	209771.936	0.547	19.054983	ug/L
	Cr	52	183265.057	0.456	18.701057	ug/L
	Cr	53	25563.919	0.081	20.596987	ug/L
	Co	59	221213.420	0.586	18.987891	ug/L
	Cu	63	105699.938	0.279	18.876088	ug/L
	Cu	65	50000.894	0.132	18.258092	ug/L
	Zn	66	33354.026	0.080	19.746496	ug/L
	Zn	68	23083.405	0.054	18.786608	ug/L
>	Ge	72	377131.580	377131.580		ug/L
	As	75	38958.240	0.102	19.795291	ug/L
	Se	77	3380.824	0.008	19.831551	ug/L
	Se	82	3838.108	0.010	17.981830	ug/L
>	Rh	103	387739.628	387739.628		ug/L
	Ag	107	192998.900	0.497	20.080853	ug/L
	Cd	111	47174.974	0.122	20.856319	ug/L

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L	Cd	114	102668.845	0.265	20.145712	ug/L
[>	In	115	310726.600	310726.600		ug/L
]	Sb	121	144758.531	0.468	19.904408	ug/L
L	Sb	123	115684.047	0.372	20.920138	ug/L
[	Tl	203	167491.640	0.408	19.119453	ug/L
I	Tl	205	391536.608	0.958	19.912830	ug/L
I	Pb	208	533957.241	1.300	19.217693	ug/L
L>	Bi	209	410065.288	410065.288		ug/L

Sample ID: 0A21031-IFB1
Report Date/Time: Thursday, January 21, 2010 14:16:03
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Sample Information

Sample ID: 0A21031-CCV
Autosampler Position: 2
Sample Date/Time: Thursday, January 21, 2010 14:18:14
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File:
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	590489.418	590489.418				ug/L
	Be	9	13355.945	0.023	35.038810	1.335	3.809	ug/L
	V	51	421619.118	1.115	38.864808	0.861	2.215	ug/L
	Cr	52	391116.273	1.013	41.556944	0.304	0.732	ug/L
	Cr	53	45848.470	0.115	39.077414	1.069	2.735	ug/L
	Co	59	467095.328	1.245	40.280842	0.547	1.359	ug/L
	Cu	63	231276.929	0.616	41.630489	1.241	2.980	ug/L
	Cu	65	116174.840	0.309	42.741352	0.171	0.399	ug/L
	Zn	66	63791.241	0.162	39.965233	1.153	2.886	ug/L
	Zn	68	49503.113	0.125	43.312024	1.057	2.441	ug/L
>	Ge	72	375001.380	375001.380				ug/L
	As	75	83654.129	0.222	43.032259	1.339	3.111	ug/L
	Se	77	6577.760	0.017	40.372233	1.022	2.532	ug/L
	Se	82	8947.560	0.024	42.309612	1.061	2.508	ug/L
>	Rh	103	428897.385	428897.385				ug/L
	Ag	107	412960.236	0.963	38.873820	1.015	2.612	ug/L
	Cd	111	93708.298	0.219	37.466323	1.218	3.250	ug/L
	Cd	114	229698.333	0.536	40.744290	0.507	1.245	ug/L
>	In	115	333759.959	333759.959				ug/L
	Sb	121	308838.557	0.926	39.587051	1.991	5.030	ug/L
	Sb	123	224379.524	0.673	37.825105	2.013	5.321	ug/L
	Tl	203	349666.615	0.851	39.848937	0.599	1.502	ug/L
	Tl	205	838570.307	2.042	42.603563	1.745	4.096	ug/L
	Pb	208	1166978.303	2.839	41.977793	1.168	2.782	ug/L
>	Bi	209	410941.539	410941.539				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	110.840
	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	93.582
	As	74.922	
	Se	76.920	

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Se	81.917		
Rh	102.905	97.869	
Ag	106.905		
Cd	110.904		
Cd	113.904		
In	114.904	92.015	
Sb	120.904		
Sb	122.904		
Tl	202.972		
Tl	204.975		
Pb	207.977		
Bi	208.980	94.434	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0A21031-CCV	Be	9	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	578685.337	578685.337		ug/L
Be	9	13596.081	0.023	36.376886	ug/L
V	51	419435.878	1.089	37.937434	ug/L
Cr	52	395380.904	1.008	41.225803	ug/L
Cr	53	45502.930	0.112	37.998258	ug/L
Co	59	482778.452	1.264	40.879414	ug/L
Cu	63	227897.773	0.598	40.254704	ug/L
Cu	65	117883.121	0.308	42.578844	ug/L
Zn	66	63057.744	0.156	38.705356	ug/L
Zn	68	49156.073	0.122	42.151252	ug/L
Ge	72	381993.014	381993.014		ug/L
As	75	82668.649	0.218	41.823588	ug/L
Se	77	6515.036	0.016	39.208108	ug/L
Se	82	8854.858	0.023	41.080163	ug/L
Rh	103	421507.454	421507.454		ug/L
Ag	107	417008.529	0.989	39.934782	ug/L
Cd	111	95348.625	0.226	38.777010	ug/L
Cd	114	227180.467	0.539	41.000918	ug/L
In	115	341804.021	341804.021		ug/L
Sb	121	302920.899	0.866	37.874242	ug/L
Sb	123	218402.631	0.639	35.911378	ug/L
Tl	203	357993.321	0.838	39.224481	ug/L
Tl	205	832032.247	1.947	40.615868	ug/L
Pb	208	1176898.581	2.752	40.587777	ug/L
Bi	209	427295.883	427295.883		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	591982.837	591982.837		ug/L
Be	9	13383.679	0.023	35.032501	ug/L
V	51	424241.693	1.120	39.018639	ug/L
Cr	52	392521.528	1.015	41.621088	ug/L
Cr	53	45878.988	0.118	39.098418	ug/L
Co	59	462374.613	1.230	39.798147	ug/L
Cu	63	233725.683	0.621	41.972162	ug/L
Cu	65	116892.873	0.311	42.818104	ug/L
Zn	66	64330.026	0.163	40.221376	ug/L
Zn	68	49891.130	0.126	43.584796	ug/L
Ge	72	375751.818	375751.818		ug/L
As	75	83409.815	0.221	42.802312	ug/L
Se	77	6711.218	0.017	41.124405	ug/L
Se	82	9075.060	0.024	42.815382	ug/L
Rh	103	431132.271	431132.271		ug/L
Ag	107	404920.850	0.939	37.911443	ug/L
Cd	111	93687.630	0.217	37.251686	ug/L
Cd	114	232770.734	0.540	41.071987	ug/L
In	115	337724.136	337724.136		ug/L
Sb	121	309108.748	0.916	38.115125	ug/L
Sb	123	226182.282	0.670	37.840299	ug/L
Tl	203	342383.113	0.852	39.904529	ug/L
Tl	205	834100.983	2.078	43.311741	ug/L
Pb	208	1168223.777	2.906	42.983256	ug/L
Bi	209	401700.403	401700.403		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	600800.280	600800.280		ug/L
Be	9	13079.094	0.022	33.707264	ug/L
V	51	421179.783	1.137	39.638146	ug/L
Cr	52	385466.386	1.019	41.823941	ug/L
Cr	53	46063.511	0.118	40.135568	ug/L
Co	59	458134.819	1.242	40.168884	ug/L
Cu	63	232207.332	0.631	42.684802	ug/L
Cu	65	113738.527	0.309	42.726308	ug/L
Zn	66	63986.953	0.166	40.968986	ug/L
Zn	68	49458.137	0.128	44.220013	ug/L
Ge	72	367258.507	367258.507		ug/L
As	75	84685.927	0.229	44.470879	ug/L
Se	77	6507.029	0.017	40.784186	ug/L
Se	82	8912.983	0.024	43.023292	ug/L
Rh	103	434052.431	434052.431		ug/L
Ag	107	416951.330	0.961	38.775228	ug/L
Cd	111	92090.639	0.212	36.370303	ug/L

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L	Cd	114	229143.807	0.528	40.159989	ug/L
I>	In	115	321751.721	321751.721		ug/L
I	Sb	121	314486.056	0.977	41.771786	ug/L
L	Sb	123	228563.668	0.710	39.923639	ug/L
I	Tl	203	348823.411	0.869	40.417780	ug/L
I	Tl	205	849577.712	2.104	43.882969	ug/L
I	Pb	208	1155814.640	2.880	42.282343	ug/L
I>	Bi	209	403828.531	403828.531		ug/L

Sample ID: 0A21031-CCV
Report Date/Time: Thursday, January 21, 2010 14:20:07

Sample Information

Sample ID: 0A21031-CCB 2
Autosampler Position: 1
Sample Date/Time: Thursday, January 21, 2010 14:25:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File:
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	556744.757	556744.757				ug/L
	Be	9	2.333	-0.000	-0.002238	0.006	258.281	ug/L
	V	51	3867.575	0.000	0.009193	0.031	342.088	ug/L
	Cr	52	11668.641	-0.001	-0.027375	0.036	132.657	ug/L
	Cr	53	2694.202	-0.000	-0.077546	0.035	45.659	ug/L
	Co	59	77.001	0.000	0.000134	0.001	783.219	ug/L
	Cu	63	315.343	-0.000	-0.000229	0.002	921.708	ug/L
	Cu	65	167.670	0.000	0.000247	0.002	776.851	ug/L
	Zn	66	3394.841	-0.000	-0.014996	0.093	619.848	ug/L
	Zn	68	2623.175	-0.000	-0.081701	0.060	73.092	ug/L
>	Ge	72	396634.515	396634.515				ug/L
	As	75	559.324	0.000	0.045270	0.032	71.380	ug/L
	Se	77	217.672	-0.000	-0.066389	0.093	139.410	ug/L
	Se	82	12.625	-0.000	-0.011855	0.086	722.118	ug/L
>	Rh	103	431499.334	431499.334				ug/L
	Ag	107	98.002	0.000	0.007395	0.001	15.559	ug/L
	Cd	111	6.378	0.000	0.001695	0.000	13.169	ug/L
	Cd	114	14.370	0.000	0.000734	0.001	197.996	ug/L
>	In	115	354343.640	354343.640				ug/L
	Sb	121	972.409	0.003	0.107480	0.007	6.908	ug/L
	Sb	123	756.085	0.002	0.110596	0.011	9.655	ug/L
	Tl	203	56.001	-0.000	-0.000456	0.001	245.784	ug/L
	Tl	205	163.337	0.000	0.001397	0.001	48.030	ug/L
	Pb	208	997.370	-0.000	-0.000242	0.001	488.687	ug/L
>	Bi	209	435274.871	435274.871				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	104.505
	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	98.980
	As	74.922	
	Se	76.920	

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	Se	81.917	
>	Rh	102.905	98.463
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	97.690
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	100.026

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	555831.860	555831.850		ug/L
	Be	9	0.000	-0.000	-0.008722	ug/L
	V	51	3472.008	-0.001	-0.025715	ug/L
	Cr	52	11453.280	-0.001	-0.060180	ug/L
	Cr	53	2711.542	-0.000	-0.063346	ug/L
	Co	59	79.001	0.000	0.000281	ug/L
	Cu	63	329.011	0.000	0.002087	ug/L
	Cu	65	174.004	0.000	0.002464	ug/L
	Zn	66	3533.908	0.000	0.070772	ug/L
	Zn	68	2584.466	-0.000	-0.133808	ug/L
>	Ge	72	398550.548	398550.548		ug/L
	As	75	578.486	0.000	0.053131	ug/L
	Se	77	201.005	-0.000	-0.185887	ug/L
	Se	82	22.477	0.000	0.031025	ug/L
>	Rh	103	435378.815	435378.815		ug/L
	Ag	107	92.002	0.000	0.008749	ug/L
	Cd	111	6.103	0.000	0.001564	ug/L
	Cd	114	10.988	0.000	0.000107	ug/L
>	In	115	348836.873	348835.873		ug/L
	Sb	121	1018.083	0.003	0.114830	ug/L
	Sb	123	795.675	0.002	0.118854	ug/L
	Tl	203	50.001	-0.000	0.001233	ug/L
	Tl	205	182.004	0.000	0.002104	ug/L
	Pb	208	1016.038	-0.000	0.000383	ug/L
>	Bi	209	445218.185	445218.186		ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	558356.779	558356.779		ug/L
	Be	9	4.000	0.000	0.002374	ug/L
	V	51	4063.440	0.001	0.017983	ug/L
	Cr	52	11781.793	0.001	0.046446	ug/L
	Cr	53	2710.541	-0.000	-0.117846	ug/L
	Co	59	65.001	-0.000	-0.000884	ug/L
	Cu	63	312.010	0.000	-0.002040	ug/L
	Cu	65	169.004	-0.000	-0.000680	ug/L
	Zn	66	3314.802	-0.000	-0.113788	ug/L
	Zn	68	2670.526	-0.000	-0.096082	ug/L
>	Ge	72	408064.581	408064.581		ug/L
	As	75	499.256	0.000	0.009781	ug/L
	Se	77	237.008	0.000	0.017141	ug/L
	Se	82	9.337	-0.000	-0.110428	ug/L
>	Rh	103	426582.909	426582.909		ug/L
	Ag	107	111.002	0.000	0.008723	ug/L
	Cd	111	5.988	0.000	0.001588	ug/L
	Cd	114	23.568	0.000	0.002394	ug/L
>	In	115	358619.193	358619.193		ug/L
	Sb	121	976.078	0.003	0.107429	ug/L
	Sb	123	763.421	0.002	0.114397	ug/L
	Tl	203	51.001	-0.000	-0.000988	ug/L
	Tl	205	149.003	0.000	0.000789	ug/L
	Pb	208	958.034	-0.000	-0.001348	ug/L
>	Bi	209	432124.834	432124.834		ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	556046.842	556046.842		ug/L
	Be	9	3.000	-0.000	-0.000388	ug/L
	V	51	4087.279	0.001	0.035313	ug/L
	Cr	52	11790.641	0.000	0.014502	ug/L
	Cr	53	2660.522	-0.000	-0.061443	ug/L
	Co	59	87.001	0.000	0.001108	ug/L
	Cu	63	305.010	-0.000	-0.000733	ug/L
	Cu	65	160.003	-0.000	-0.001082	ug/L
	Zn	66	3335.812	-0.000	-0.001993	ug/L
	Zn	68	2634.512	-0.000	0.018438	ug/L
>	Ge	72	387198.416	387198.416		ug/L
	As	75	502.261	0.000	0.072928	ug/L
	Se	77	215.005	-0.000	-0.050422	ug/L
	Se	82	24.735	0.000	0.043838	ug/L
>	Rh	103	432536.478	432536.478		ug/L
	Ag	107	91.001	0.000	0.008712	ug/L
	Cd	111	7.043	0.000	0.001983	ug/L
	Cd	114	8.578	-0.000	-0.000301	ug/L

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[>	In	115	358775.864	358775.864		ug/L
[	Sb	121	923.089	0.002	0.100081	ug/L
[	Sb	123	686.158	0.002	0.086538	ug/L
[	Tl	203	67.001	0.000	0.000839	ug/L
[	Tl	205	156.003	0.000	0.001317	ug/L
[	Pb	208	1018.036	0.000	0.001004	ug/L
[>	Bi	209	428483.793	428483.793		ug/L

Sample Information

Sample ID: 1000385-BLK1
Autosampler Position: 17
Sample Date/Time: Thursday, January 21, 2010 14:29:51
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\1000385-BLK1.011
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	570454.566	37711.825				ug/L
⌈	V	51	4043.984	0.001	0.035436	0.034	95.819	ug/L
|	Cr	52	12238.932	0.002	0.070463	0.006	7.971	ug/L
|	Cr	53	2691.867	-0.000	-0.008402	0.047	554.550	ug/L
|	Co	59	113.335	0.000	0.003363	0.001	34.253	ug/L
|	Cu	63	322.677	0.000	0.002719	0.001	36.829	ug/L
|	Cu	65	181.004	0.000	0.006822	0.006	82.102	ug/L
|	Zn	66	6030.272	0.007	1.744384	0.045	2.590	ug/L
|	Zn	68	4587.519	0.005	1.756136	0.122	6.975	ug/L
|>	Ge	72	384693.808	384693.808				ug/L
|	As	75	501.301	0.000	0.023968	0.056	234.705	ug/L
|	Se	77	218.672	-0.000	-0.018940	0.096	504.700	ug/L
⌊	Se	82	24.897	0.000	0.045343	0.175	385.169	ug/L
⌈>	Rh	103	444526.855	444526.855				ug/L
|	Ag	107	84.335	0.000	0.005876	0.000	3.927	ug/L
|	Cd	111	8.067	0.000	0.002262	0.002	78.617	ug/L
⌊	Cd	114	17.403	0.000	0.001162	0.002	153.307	ug/L
⌈>	In	115	342432.567	342432.567				ug/L
|	Sb	121	758.381	0.002	0.084754	0.008	9.449	ug/L
⌊	Sb	123	537.352	0.001	0.078762	0.005	5.772	ug/L
⌈	Tl	203	60.668	0.000	0.000147	0.000	149.480	ug/L
|	Tl	205	121.669	-0.000	0.000494	0.000	41.549	ug/L
|	Pb	208	1009.704	0.000	0.000754	0.001	98.691	ug/L
⌊>	Bi	209	427926.907	427926.907				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	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	96.001
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	101.435

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	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	94.406
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	98.337

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	563702.269	30958.519		ug/L
V	51	4495.129	0.002	0.074101	ug/L
Cr	52	12283.678	0.002	0.067810	ug/L
Cr	53	2650.518	-0.000	-0.056813	ug/L
Co	59	108.002	0.000	0.002700	ug/L
Cu	63	318.010	0.000	0.001573	ug/L
Cu	65	199.005	0.000	0.012903	ug/L
Zn	66	6133.684	0.007	1.788349	ug/L
Zn	68	4586.505	0.006	1.712570	ug/L
Ge	72	386933.628	386933.628		ug/L
As	75	525.638	0.000	0.084846	ug/L
Se	77	233.008	0.000	0.081171	ug/L
Se	82	63.909	0.000	0.223856	ug/L
Rh	103	441134.198	441134.198		ug/L
Ag	107	83.001	0.000	0.006814	ug/L
Cd	111	4.536	0.000	0.000933	ug/L
Cd	114	17.142	0.000	0.001147	ug/L
In	115	342896.627	342896.627		ug/L
Sb	121	828.056	0.002	0.093080	ug/L
Sb	123	568.661	0.001	0.083781	ug/L
Tl	203	60.001	-0.000	0.000020	ug/L
Tl	205	128.002	0.000	-0.000272	ug/L
Pb	208	1048.040	0.000	0.001508	ug/L
Bi	209	434066.172	434066.172		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	572569.988	39857.248		ug/L
V	51	2918.283	0.001	0.021735	ug/L
Cr	52	12280.688	0.002	0.066848	ug/L
Cr	53	2720.548	-0.000	-0.000024	ug/L
Co	59	130.002	0.000	0.004684	ug/L
Cu	63	328.011	0.000	0.003428	ug/L
Cu	65	179.004	0.000	0.008888	ug/L
Zn	66	6075.844	0.007	1.746737	ug/L
Zn	68	4514.471	0.006	1.681378	ug/L
Ge	72	387381.979	387381.979		ug/L
As	75	404.864	-0.000	-0.026084	ug/L
Se	77	203.006	0.000	-0.124754	ug/L
Se	82	-12.173	-0.000	-0.125394	ug/L
Rh	103	446948.283	446948.283		ug/L
Ag	107	88.001	0.000	0.006132	ug/L
Cd	111	13.408	0.000	0.004281	ug/L
Cd	114	29.088	0.000	0.002951	ug/L
In	115	343904.387	343904.387		ug/L
Sb	121	756.048	0.002	0.084078	ug/L
Sb	123	532.388	0.001	0.077581	ug/L
Tl	203	63.001	0.000	0.000396	ug/L
Tl	205	118.002	-0.000	-0.000877	ug/L
Pb	208	1010.038	0.000	0.000739	ug/L
Bi	209	428348.938	428348.938		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	575061.449	42316.709		ug/L
V	51	3718.532	0.000	0.010473	ug/L
Cr	52	12142.433	0.002	0.078934	ug/L
Cr	53	2704.538	0.000	0.033432	ug/L
Co	59	104.002	0.000	0.002697	ug/L
Cu	63	321.010	0.000	0.003158	ug/L
Cu	65	165.004	0.000	0.001875	ug/L
Zn	66	5881.479	0.007	1.698068	ug/L
Zn	68	4681.581	0.006	1.894463	ug/L
Ge	72	379765.818	379765.818		ug/L
As	75	473.589	0.000	0.013154	ug/L
Se	77	220.008	0.000	0.006763	ug/L
Se	82	22.982	0.000	0.037768	ug/L
Rh	103	443498.073	443498.073		ug/L
Ag	107	82.001	0.000	0.006683	ug/L
Cd	111	6.234	0.000	0.001571	ug/L
Cd	114	6.979	0.000	0.000812	ug/L
In	115	340498.708	340498.708		ug/L
Sb	121	593.041	0.002	0.077107	ug/L
Sb	123	511.018	0.001	0.074923	ug/L
Tl	203	59.001	0.000	0.000084	ug/L
Tl	205	119.002	-0.000	-0.000532	ug/L
Pb	208	973.035	0.000	0.000018	ug/L
Bi	209	421368.810	421368.810		ug/L

Sample ID: 1000385-BLK1
Report Date/Time: Thursday, January 21, 2010 14:31:41

Sample Information

Sample ID: 1000385-BS1
Autosampler Position: 18
Sample Date/Time: Thursday, January 21, 2010 14:33:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\1000385-BS1.012
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	577593.956	44851.215				ug/L
⌈	V	51	113673.335	0.286	9.967737	0.049	0.487	ug/L
|	Cr	52	105433.857	0.244	10.009798	0.132	1.321	ug/L
|	Cr	53	13794.782	0.029	9.774089	0.031	0.318	ug/L
|	Co	59	117500.953	0.305	9.873379	0.048	0.486	ug/L
|	Cu	63	58334.520	0.151	10.191007	0.004	0.035	ug/L
|	Cu	65	28286.526	0.073	10.099484	0.041	0.410	ug/L
|	Zn	66	18748.427	0.040	9.924759	0.151	1.525	ug/L
|	Zn	68	13780.425	0.029	10.020331	0.167	1.667	ug/L
|>	Ge	72	384706.562	384706.562				ug/L
|	As	75	19783.057	0.050	9.742014	0.220	2.254	ug/L
|	Se	77	1719.891	0.004	9.267860	0.275	2.967	ug/L
⌊	Se	82	1999.219	0.005	9.160317	0.385	4.202	ug/L
⌈>	Rh	103	446104.693	446104.693				ug/L
|	Ag	107	104412.924	0.234	9.446432	0.213	2.250	ug/L
|	Cd	111	24073.686	0.054	9.250149	0.139	1.503	ug/L
⌊	Cd	114	55494.061	0.124	9.461946	0.187	1.979	ug/L
⌈>	In	115	343281.624	343281.624				ug/L
|	Sb	121	78558.796	0.229	9.772902	0.145	1.486	ug/L
⌊	Sb	123	60401.886	0.176	9.882138	0.082	0.828	ug/L
⌈	Tl	203	87994.351	0.208	9.739996	0.065	0.671	ug/L
|	Tl	205	210707.921	0.498	10.389966	0.152	1.460	ug/L
|	Pb	208	284895.882	0.671	9.927431	0.149	1.506	ug/L
⌊>	Bi	209	422767.998	422767.998				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	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	96.004
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	101.795

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	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	94.640
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	97.152

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mean Intensity	Net Intensity	Concentration	Report Unit
Li	6	585769.358	53028.617		ug/L
V	51	114706.208	0.284	9.911717	ug/L
Cr	52	108529.880	0.240	9.867432	ug/L
Cr	53	14034.916	0.029	9.808608	ug/L
Co	59	119175.147	0.305	9.870887	ug/L
Cu	63	59188.610	0.151	10.191898	ug/L
Cu	65	28820.313	0.073	10.142906	ug/L
Zn	66	18768.814	0.039	9.783188	ug/L
Zn	68	14147.137	0.029	10.169326	ug/L
> Ge	72	390306.909	390306.909		ug/L
As	75	19585.362	0.048	9.496871	ug/L
Se	77	1724.228	0.004	9.139213	ug/L
Se	82	1935.978	0.005	8.737888	ug/L
> Rh	103	449963.701	449963.701		ug/L
Ag	107	108308.289	0.238	9.535397	ug/L
Cd	111	24456.934	0.064	9.317057	ug/L
Cd	114	56284.204	0.125	9.514438	ug/L
> In	115	342363.649	342363.649		ug/L
Sb	121	78420.919	0.229	9.781611	ug/L
Sb	123	59797.984	0.174	9.809490	ug/L
Tl	203	89356.370	0.207	9.689870	ug/L
Tl	205	216013.811	0.500	10.438252	ug/L
Pb	208	294058.496	0.679	10.040503	ug/L
> Bi	209	431541.936	431541.936		ug/L

Repeat 2

Analyte	Mass	Mean Intensity	Net Intensity	Concentration	Report Unit
Li	6	576868.678	44123.937		ug/L
V	51	114173.998	0.297	9.992271	ug/L
Cr	52	106277.885	0.248	10.077384	ug/L
Cr	53	13810.478	0.029	9.765397	ug/L
Co	59	118308.808	0.307	9.922574	ug/L
Cu	63	58421.524	0.151	10.187028	ug/L
Cu	65	28229.957	0.073	10.060366	ug/L
Zn	66	18821.954	0.040	9.947811	ug/L
Zn	68	13839.533	0.029	10.051873	ug/L
> Ge	72	385429.472	385429.472		ug/L
As	75	19943.487	0.051	9.801846	ug/L
Se	77	1693.218	0.004	9.080782	ug/L
Se	82	2078.321	0.006	9.491264	ug/L
> Rh	103	442802.862	442802.862		ug/L
Ag	107	105325.910	0.236	9.600081	ug/L
Cd	111	24135.397	0.055	9.343080	ug/L
Cd	114	55988.706	0.126	9.617348	ug/L
> In	115	342697.114	342697.114		ug/L
Sb	121	79565.372	0.232	9.913592	ug/L
Sb	123	60838.980	0.177	9.970703	ug/L
Tl	203	88392.441	0.210	9.813822	ug/L
Tl	205	212527.502	0.504	10.513108	ug/L
Pb	208	285584.076	0.675	9.983848	ug/L
> Bi	209	421475.658	421475.658		ug/L

Repeat 3

Analyte	Mass	Mean Intensity	Net Intensity	Concentration	Report Unit
Li	6	570145.832	37401.092		ug/L
V	51	112140.803	0.287	9.998223	ug/L
Cr	52	104493.814	0.248	10.084677	ug/L
Cr	53	13538.964	0.029	9.748301	ug/L
Co	59	115021.846	0.304	9.826788	ug/L
Cu	63	57393.228	0.151	10.194094	ug/L
Cu	65	27809.307	0.073	10.095161	ug/L
Zn	66	18854.514	0.041	10.063276	ug/L
Zn	68	13354.606	0.028	9.839794	ug/L
> Ge	72	378384.306	378384.306		ug/L
As	75	19820.342	0.051	9.923428	ug/L
Se	77	1742.230	0.004	9.583588	ug/L
Se	82	1988.358	0.005	9.251800	ug/L
> Rh	103	445567.516	445567.516		ug/L
Ag	107	101807.592	0.228	9.203849	ug/L
Cd	111	23628.728	0.053	9.090340	ug/L
Cd	114	54209.274	0.122	9.254052	ug/L
> In	115	344784.110	344784.110		ug/L
Sb	121	77700.068	0.223	9.823504	ug/L
Sb	123	60568.896	0.178	9.868222	ug/L
Tl	203	86231.242	0.208	9.716495	ug/L
Tl	205	203582.461	0.490	10.220630	ug/L
Pb	208	275045.076	0.660	9.757844	ug/L
> Bi	209	415266.400	415266.400		ug/L

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Sample Information

Sample ID: 1001142-01
Autosampler Position: 19
Sample Date/Time: Thursday, January 21, 2010 14:41:24
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\1001142-01.013
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	585275.960	52533.220				ug/L
⌈	V	51	4698.472	0.003	0.093293	0.009	9.294	ug/L
|	Cr	52	14087.022	0.006	0.261799	0.030	11.354	ug/L
|	Cr	53	2693.535	-0.000	-0.016195	0.036	223.484	ug/L
|	Co	59	1825.251	0.005	0.146772	0.005	3.346	ug/L
|	Cu	63	6242.456	0.015	1.038305	0.018	1.732	ug/L
|	Cu	65	2810.915	0.007	0.947527	0.035	3.678	ug/L
|	Zn	66	14900.341	0.030	7.413449	0.170	2.289	ug/L
|	Zn	68	11868.973	0.024	8.266602	0.372	4.498	ug/L
|>	Ge	72	386208.137	386208.137				ug/L
|	As	75	1357.333	0.002	0.452898	0.052	11.515	ug/L
|	Se	77	220.672	-0.000	-0.012482	0.053	427.971	ug/L
⌊	Se	82	38.903	0.000	0.109771	0.054	49.333	ug/L
⌈>	Rh	103	425732.797	425732.797				ug/L
|	Ag	107	279.676	0.001	0.024657	0.010	41.003	ug/L
|	Cd	111	0.339	-0.000	-0.000709	0.001	142.716	ug/L
⌊	Cd	114	24.815	0.000	0.002636	0.001	55.573	ug/L
⌈>	In	115	343012.992	343012.992				ug/L
|	Sb	121	514.357	0.001	0.054200	0.003	6.422	ug/L
⌊	Sb	123	400.302	0.001	0.056157	0.007	12.569	ug/L
⌈	Tl	203	43.334	-0.000	-0.001728	0.000	20.738	ug/L
|	Tl	205	114.669	-0.000	-0.000809	0.001	66.191	ug/L
|	Pb	208	1735.101	0.002	0.026106	0.001	5.166	ug/L
⌊>	Bi	209	425961.012	425961.012				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	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	96.378
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	97.147

	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	94.566
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	97.885

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	582907.113	50084.372		ug/L
V	51	4784.523	0.003	0.097980	ug/L
Cr	52	14417.680	0.007	0.286040	ug/L
Cr	53	2739.553	0.000	0.007084	ug/L
Co	59	1849.258	0.006	0.147642	ug/L
Cu	63	6192.745	0.015	1.021842	ug/L
Cu	65	2718.544	0.007	0.907504	ug/L
Zn	66	14803.472	0.029	7.263073	ug/L
Zn	68	11622.986	0.024	8.146387	ug/L
Ge	72	388925.876	388925.876		ug/L
As	75	1466.481	0.003	0.502340	ug/L
Se	77	232.008	0.000	0.047718	ug/L
Se	82	45.788	0.000	0.139380	ug/L
Rh	103	430998.561	430998.561		ug/L
Ag	107	398.018	0.001	0.038497	ug/L
Cd	111	1.840	-0.000	0.000107	ug/L
Cd	114	15.603	0.000	0.000846	ug/L
In	115	343297.936	343297.936		ug/L
Sb	121	531.025	0.001	0.056223	ug/L
Sb	123	440.263	0.001	0.082648	ug/L
Tl	203	42.001	-0.000	-0.001920	ug/L
Tl	205	124.002	-0.000	0.000410	ug/L
Pb	208	1711.096	0.002	0.024689	ug/L
Bi	209	430149.581	430149.581		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	582005.537	49262.797		ug/L
V	51	4658.876	0.002	0.083288	ug/L
Cr	52	13990.828	0.006	0.229836	ug/L
Cr	53	2687.532	0.000	0.057882	ug/L
Co	59	1790.242	0.004	0.141483	ug/L
Cu	63	6324.882	0.015	1.035577	ug/L
Cu	65	2901.618	0.007	0.963888	ug/L
Zn	66	15037.983	0.030	7.381998	ug/L
Zn	68	11722.729	0.023	7.969803	ug/L
Ge	72	392215.376	392215.376		ug/L
As	75	1268.610	0.002	0.398408	ug/L
Se	77	221.008	-0.000	-0.030922	ug/L
Se	82	25.814	0.000	0.047268	ug/L
Rh	103	425322.998	425322.998		ug/L
Ag	107	261.007	0.001	0.022991	ug/L
Cd	111	1.726	-0.000	0.000143	ug/L
Cd	114	29.822	0.000	0.003529	ug/L
In	115	342785.276	342785.276		ug/L
Sb	121	530.025	0.001	0.068197	ug/L
Sb	123	408.260	0.001	0.057180	ug/L
Tl	203	47.001	-0.000	-0.001318	ug/L
Tl	205	102.002	-0.000	-0.001418	ug/L
Pb	208	1768.107	0.002	0.027374	ug/L
Bi	209	425078.878	425078.878		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	581015.231	58272.491		ug/L
V	51	4681.018	0.003	0.098830	ug/L
Cr	52	13652.568	0.007	0.270721	ug/L
Cr	53	2653.519	0.000	0.002213	ug/L
Co	59	1836.254	0.006	0.151190	ug/L
Cu	63	6209.780	0.016	1.057498	ug/L
Cu	65	2812.582	0.007	0.971190	ug/L
Zn	66	14859.588	0.031	7.606277	ug/L
Zn	68	12081.295	0.025	8.683636	ug/L
Ge	72	377483.460	377483.460		ug/L
As	75	1536.897	0.002	0.457948	ug/L
Se	77	209.006	-0.000	0.054236	ug/L
Se	82	45.128	0.000	0.142863	ug/L
Rh	103	420878.848	420878.848		ug/L
Ag	107	180.004	0.000	0.015484	ug/L
Cd	111	2.550	-0.000	-0.001877	ug/L
Cd	114	28.021	0.000	0.003437	ug/L
In	115	342966.765	342966.765		ug/L
Sb	121	482.021	0.001	0.060181	ug/L
Sb	123	354.383	0.001	0.046843	ug/L
Tl	203	41.001	-0.000	-0.001969	ug/L
Tl	205	118.002	-0.000	0.000800	ug/L
Pb	208	1726.100	0.002	0.026258	ug/L
Bi	209	422636.467	422636.467		ug/L

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Sample Information

Sample ID: 1001177-06
Autosampler Position: 20
Sample Date/Time: Thursday, January 21, 2010 14:45:26
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\1001177-06.014
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

5.088875
4.550295

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	586723.724	53980.984				ug/L
⌈	V	51	14454.535	0.028	0.975890	0.045	4.568	ug/L
|	Cr	52	22676.500	0.029	1.177775	0.028	2.384	ug/L
|	Cr	53	3744.019	0.003	0.910059	0.106	11.622	ug/L
|	Co	59	5509.179	0.014	0.455984	0.009	2.005	ug/L
|	Cu	63	8462.094	0.021	1.428691	0.011	0.745	ug/L
|	Cu	65	4049.521	0.010	1.392791	0.031	2.233	ug/L
|	Zn	66	9050.821	0.015	3.673249	0.037	1.019	ug/L
|	Zn	68	7561.409	0.013	4.413551	0.078	1.778	ug/L
|>	Ge	72	385635.387	385635.387				ug/L
|	As	75	2879.197	0.006	1.218891	0.068	5.573	ug/L
|	Se	77	218.006	-0.000	-0.026247	0.078	295.646	ug/L
⌊	Se	82	23.858	0.000	0.039719	0.214	537.863	ug/L
⌈>	Rh	103	431588.030	431588.030				ug/L
|	Ag	107	140.336	0.000	0.011342	0.001	8.066	ug/L
|	Cd	111	53.041	0.000	0.020254	0.004	19.309	ug/L
⌊	Cd	114	65.463	0.000	0.009730	0.000	0.651	ug/L
⌈>	In	115	344309.247	344309.247				ug/L
|	Sb	121	944.072	0.003	0.107323	0.003	2.918	ug/L
⌊	Sb	123	728.166	0.002	0.109434	0.003	2.498	ug/L
⌈	Tl	203	118.336	0.000	0.006788	0.002	29.752	ug/L
|	Tl	205	267.341	0.000	0.006926	0.000	5.230	ug/L
|	Pb	208	27557.705	0.064	0.941230	0.017	1.821	ug/L
⌊>	Bi	209	417808.283	417808.283				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	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	96.235
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.483

	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	94.924
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	96.012

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	567024.388	54281.648		ug/L
V	51	14088.264	0.027	0.824628	ug/L
Cr	52	22833.666	0.028	1.164121	ug/L
Cr	53	3884.100	0.003	0.989784	ug/L
Co	59	5479.156	0.014	0.447716	ug/L
Cu	63	8498.137	0.021	1.416411	ug/L
Cu	65	4020.171	0.010	1.384127	ug/L
Zn	66	9105.882	0.018	3.636636	ug/L
Zn	68	7810.128	0.013	4.371875	ug/L
Ge	72	390491.662	390491.662		ug/L
As	75	2808.338	0.006	1.185533	ug/L
Se	77	209.008	0.000	-0.098124	ug/L
Se	82	19.900	0.000	0.020892	ug/L
Rh	103	435626.040	435626.040		ug/L
Ag	107	142.003	0.000	0.011378	ug/L
Cd	111	42.884	0.000	0.018029	ug/L
Cd	114	66.187	0.000	0.009780	ug/L
In	115	341889.062	341889.062		ug/L
Sb	121	966.078	0.003	0.110897	ug/L
Sb	123	712.413	0.002	0.107702	ug/L
Tl	203	106.003	0.000	0.005178	ug/L
Tl	205	288.009	0.000	0.008718	ug/L
Pb	208	27581.057	0.083	0.924132	ug/L
Bi	209	425636.289	425636.289		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	591314.560	58571.808		ug/L
V	51	14641.310	0.029	1.007087	ug/L
Cr	52	22730.336	0.028	1.210088	ug/L
Cr	53	3733.013	0.003	0.938988	ug/L
Co	59	5431.116	0.014	0.454437	ug/L
Cu	63	8407.029	0.021	1.435248	ug/L
Cu	65	4097.218	0.010	1.425882	ug/L
Zn	66	9009.769	0.018	3.710506	ug/L
Zn	68	7579.066	0.013	4.504082	ug/L
Ge	72	381419.549	381419.549		ug/L
As	75	2602.583	0.006	1.185773	ug/L
Se	77	214.005	-0.000	0.036843	ug/L
Se	82	20.252	-0.000	-0.163876	ug/L
Rh	103	427192.783	427192.783		ug/L
Ag	107	129.002	0.000	0.010409	ug/L
Cd	111	51.268	0.000	0.023748	ug/L
Cd	114	64.387	0.000	0.009669	ug/L
In	115	344846.869	344846.869		ug/L
Sb	121	935.071	0.002	0.106011	ug/L
Sb	123	720.540	0.002	0.108015	ug/L
Tl	203	112.002	0.000	0.005140	ug/L
Tl	205	274.008	0.000	0.007344	ug/L
Pb	208	27386.872	0.084	0.941113	ug/L
Bi	209	415178.383	415178.383		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	581832.235	49088.494		ug/L
V	51	14484.050	0.029	0.995788	ug/L
Cr	52	22465.488	0.028	1.159139	ug/L
Cr	53	3604.946	0.002	0.793428	ug/L
Co	59	5317.264	0.014	0.445800	ug/L
Cu	63	8481.117	0.021	1.434417	ug/L
Cu	65	4031.178	0.010	1.388383	ug/L
Zn	66	9038.803	0.018	3.673809	ug/L
Zn	68	7496.008	0.013	4.354687	ug/L
Ge	72	384994.948	384994.948		ug/L
As	75	3028.662	0.007	1.295388	ug/L
Se	77	231.008	0.000	0.056025	ug/L
Se	82	21.927	0.000	0.252140	ug/L
Rh	103	431948.256	431948.256		ug/L
Ag	107	150.003	0.000	0.012236	ug/L
Cd	111	54.980	0.000	0.020888	ug/L
Cd	114	66.808	0.000	0.009781	ug/L
In	115	346211.780	346211.780		ug/L
Sb	121	931.070	0.002	0.105080	ug/L
Sb	123	751.544	0.002	0.112588	ug/L
Tl	203	137.003	0.000	0.006052	ug/L
Tl	205	260.007	0.000	0.006718	ug/L
Pb	208	27708.186	0.086	0.958425	ug/L
Bi	209	412708.197	412708.197		ug/L

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Sample Information

Sample ID: 1000385-MS1
Autosampler Position: 21
Sample Date/Time: Thursday, January 21, 2010 14:49:28
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\1000385-MS1.015
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	587681.578	54938.837				ug/L
⌈	V	51	124781.551	0.317	11.041617	0.351	3.183	ug/L
|	Cr	52	115509.674	0.272	11.157599	0.386	3.458	ug/L
|	Cr	53	14891.657	0.032	10.820528	0.431	3.985	ug/L
|	Co	59	119019.353	0.311	10.058806	0.126	1.249	ug/L
|	Cu	63	63228.600	0.165	11.115755	0.249	2.239	ug/L
|	Cu	65	30439.702	0.079	10.937607	0.296	2.710	ug/L
|	Zn	66	24016.552	0.054	13.403441	0.456	3.400	ug/L
|	Zn	68	18411.553	0.041	14.282201	0.304	2.126	ug/L
\>	Ge	72	382572.327	382572.327				ug/L
|	As	75	22118.206	0.057	10.980152	0.198	1.799	ug/L
|	Se	77	1712.556	0.004	9.289737	0.758	8.157	ug/L
⌊	Se	82	1961.168	0.005	9.031254	0.310	3.434	ug/L
⌈>	Rh	103	431177.899	431177.899				ug/L
|	Ag	107	100315.181	0.233	9.390964	0.149	1.589	ug/L
|	Cd	111	23881.107	0.055	9.494894	0.138	1.449	ug/L
⌊	Cd	114	54651.857	0.127	9.642038	0.167	1.732	ug/L
⌈>	In	115	342349.094	342349.094				ug/L
|	Sb	121	79468.432	0.232	9.912908	0.097	0.980	ug/L
⌊	Sb	123	60478.365	0.176	9.921608	0.088	0.890	ug/L
⌈	Tl	203	86640.152	0.207	9.699911	0.176	1.818	ug/L
|	Tl	205	208804.568	0.499	10.416284	0.261	2.504	ug/L
|	Pb	208	307150.447	0.733	10.830362	0.180	1.665	ug/L
⌊>	Bi	209	418052.019	418052.019				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	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	95.471
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.389

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	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	94.383
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	96.068

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	581281.409	58518.689		ug/L
V	51	123084.949	0.306	10.644371	ug/L
Cr	52	114580.818	0.263	10.788660	ug/L
Cr	53	14741.343	0.031	10.402876	ug/L
Co	59	120779.780	0.309	9.988638	ug/L
Cu	63	63801.311	0.162	10.973764	ug/L
Cu	65	30716.204	0.078	10.787287	ug/L
Zn	66	23729.588	0.052	12.884976	ug/L
Zn	68	18430.932	0.040	13.941847	ug/L
> Ge	72	390892.736	390892.736		ug/L
As	75	22628.568	0.057	10.993232	ug/L
Se	77	1868.211	0.004	8.784223	ug/L
Se	82	2088.348	0.006	9.316877	ug/L
> Rh	103	433944.138	433944.138		ug/L
Ag	107	100194.831	0.231	9.318792	ug/L
Cd	111	23817.968	0.056	9.408387	ug/L
Cd	114	54278.556	0.125	9.514082	ug/L
> In	115	342165.392	342166.392		ug/L
Sb	121	79952.869	0.232	9.979924	ug/L
Sb	123	50939.636	0.178	10.002782	ug/L
Tl	203	86563.228	0.203	9.517853	ug/L
Tl	205	206528.173	0.486	10.117531	ug/L
Pb	208	306799.180	0.719	10.624373	ug/L
> Bi	209	425675.386	425675.386		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	593247.384	60504.684		ug/L
V	51	124863.381	0.325	11.312290	ug/L
Cr	52	116563.389	0.282	11.558365	ug/L
Cr	53	15044.978	0.033	11.264156	ug/L
Co	59	117973.432	0.315	10.203840	ug/L
Cu	63	63380.586	0.166	11.403141	ug/L
Cu	65	30670.010	0.082	11.278117	ug/L
Zn	66	23982.433	0.058	13.740868	ug/L
Zn	68	18098.074	0.042	14.379532	ug/L
> Ge	72	373782.190	373782.190		ug/L
As	75	21979.388	0.058	11.170881	ug/L
Se	77	1811.248	0.004	10.158416	ug/L
Se	82	1924.974	0.005	9.075456	ug/L
> Rh	103	425608.281	425608.281		ug/L
Ag	107	100839.818	0.237	9.562518	ug/L
Cd	111	23989.181	0.058	9.663599	ug/L
Cd	114	55009.463	0.129	9.630926	ug/L
> In	115	342001.888	342001.888		ug/L
Sb	121	78743.463	0.233	9.967273	ug/L
Sb	123	50844.876	0.178	9.827586	ug/L
Tl	203	86475.167	0.207	9.711706	ug/L
Tl	205	210498.668	0.506	10.532843	ug/L
Pb	208	309828.322	0.741	10.958882	ug/L
> Bi	209	416868.401	416868.401		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	578535.930	45793.190		ug/L
V	51	126388.352	0.320	11.168190	ug/L
Cr	52	115418.117	0.271	11.125871	ug/L
Cr	53	14868.660	0.032	10.784564	ug/L
Co	59	118304.848	0.309	9.983861	ug/L
Cu	63	62503.903	0.162	10.970362	ug/L
Cu	65	29933.890	0.078	10.737419	ug/L
Zn	66	24337.636	0.059	13.584682	ug/L
Zn	68	18707.653	0.042	14.525223	ug/L
> Ge	72	383082.056	383082.056		ug/L
As	75	21748.682	0.056	10.778382	ug/L
Se	77	1861.210	0.004	8.946572	ug/L
Se	82	1892.163	0.008	8.701431	ug/L
> Rh	103	433981.298	433981.298		ug/L
Ag	107	99810.882	0.230	9.291583	ug/L
Cd	111	23856.171	0.056	9.422888	ug/L
Cd	114	54668.582	0.126	9.581108	ug/L
> In	115	342680.023	342680.023		ug/L
Sb	121	78698.984	0.229	9.801528	ug/L
Sb	123	50850.386	0.177	9.934488	ug/L
Tl	203	86682.084	0.211	9.870078	ug/L
Tl	205	209391.876	0.508	10.598478	ug/L
Pb	208	304625.826	0.738	10.907031	ug/L
> Bi	209	411914.272	411914.272		ug/L

Sample ID: 1000385-MS1
Report Date/Time: Thursday, January 21, 2010 14:51:19

Sample Information

Sample ID: 1000385-MSD1
Autosampler Position: 22
Sample Date/Time: Thursday, January 21, 2010 14:53:31
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\1000385-MSD1.016
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	587533.561	54790.821				ug/L
⌈	V	51	120279.855	0.302	10.529670	0.042	0.402	ug/L
|	Cr	52	112550.613	0.262	10.729048	0.182	1.696	ug/L
|	Cr	53	14491.163	0.031	10.346691	0.158	1.526	ug/L
|	Co	59	116089.414	0.301	9.724858	0.279	2.870	ug/L
|	Cu	63	61868.740	0.160	10.777568	0.221	2.054	ug/L
|	Cu	65	29843.181	0.077	10.624915	0.225	2.122	ug/L
|	Zn	66	23164.399	0.051	12.714625	0.149	1.173	ug/L
|	Zn	68	17924.645	0.040	13.695239	0.132	0.961	ug/L
|>	Ge	72	386001.068	386001.068				ug/L
|	As	75	21541.227	0.055	10.591649	0.246	2.327	ug/L
|	Se	77	1627.202	0.004	8.659772	0.515	5.942	ug/L
⌊	Se	82	1928.639	0.005	8.804420	0.329	3.739	ug/L
⌈>	Rh	103	434957.570	434957.570				ug/L
|	Ag	107	98686.716	0.227	9.159837	0.219	2.390	ug/L
|	Cd	111	23205.209	0.053	9.148189	0.271	2.965	ug/L
⌊	Cd	114	54567.775	0.125	9.545504	0.264	2.763	ug/L
⌈>	In	115	346875.565	346875.565				ug/L
|	Sb	121	78233.556	0.225	9.632214	0.150	1.554	ug/L
⌊	Sb	123	59156.900	0.170	9.578178	0.088	0.919	ug/L
⌈	Tl	203	84403.637	0.202	9.443488	0.227	2.400	ug/L
|	Tl	205	203325.131	0.486	10.134153	0.078	0.769	ug/L
|	Pb	208	302553.029	0.721	10.660353	0.150	1.404	ug/L
⌊>	Bi	209	418313.677	418313.677				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	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	96.327
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.252

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	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	95.631
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	96.128

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	590448.908	57703.188		ug/L
V	51	121507.608	0.302	10.523417	ug/L
Cr	52	113385.986	0.261	10.667880	ug/L
Cr	53	14488.780	0.030	10.188602	ug/L
Co	59	113817.345	0.282	9.438847	ug/L
Cu	63	61587.988	0.157	10.611418	ug/L
Cu	65	30020.252	0.077	10.571824	ug/L
Zn	66	23241.984	0.051	12.604308	ug/L
Zn	68	17954.717	0.039	13.550553	ug/L
Ge	72	390151.822	390151.822		ug/L
As	75	21707.373	0.054	10.556847	ug/L
Se	77	1554.186	0.003	8.106392	ug/L
Se	82	1974.437	0.006	8.916409	ug/L
Rh	103	442510.553	442510.553		ug/L
Ag	107	98169.986	0.222	9.963844	ug/L
Cd	111	22850.327	0.052	9.861386	ug/L
Cd	114	54412.350	0.123	9.352687	ug/L
In	115	347510.307	347510.307		ug/L
Sb	121	77741.548	0.223	9.563029	ug/L
Sb	123	58777.186	0.172	9.660706	ug/L
Tl	203	83286.568	0.196	9.181906	ug/L
Tl	205	204881.480	0.482	10.064866	ug/L
Pb	208	304807.860	0.715	10.578638	ug/L
Bi	209	424436.520	424436.520		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	581618.948	48877.208		ug/L
V	51	120738.736	0.301	10.490848	ug/L
Cr	52	111868.792	0.258	10.571202	ug/L
Cr	53	14600.052	0.031	10.347186	ug/L
Co	59	117153.087	0.301	9.739887	ug/L
Cu	63	61847.217	0.158	10.692440	ug/L
Cu	65	29522.178	0.076	10.430723	ug/L
Zn	66	23243.990	0.061	12.656301	ug/L
Zn	68	18183.298	0.040	13.807831	ug/L
Ge	72	388840.106	388840.106		ug/L
As	75	21248.484	0.053	10.364448	ug/L
Se	77	1715.223	0.004	9.123751	ug/L
Se	82	1862.135	0.006	8.433883	ug/L
Rh	103	426359.121	426359.121		ug/L
Ag	107	98190.956	0.233	9.389880	ug/L
Cd	111	23338.780	0.055	9.383116	ug/L
Cd	114	56191.088	0.129	9.646014	ug/L
In	115	350396.024	350396.024		ug/L
Sb	121	78270.278	0.223	9.538776	ug/L
Sb	123	59181.627	0.169	9.485617	ug/L
Tl	203	84619.070	0.206	9.581322	ug/L
Tl	205	200840.184	0.486	10.137584	ug/L
Pb	208	303746.603	0.733	10.633104	ug/L
Bi	209	413248.116	413248.116		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	590534.829	57792.088		ug/L
V	51	118586.219	0.303	10.574746	ug/L
Cr	52	112367.082	0.268	10.926061	ug/L
Cr	53	14406.668	0.031	10.504287	ug/L
Co	59	117197.812	0.309	9.996241	ug/L
Cu	63	62171.013	0.163	11.029849	ug/L
Cu	65	29987.113	0.079	10.872199	ug/L
Zn	66	23007.223	0.052	12.884288	ug/L
Zn	68	17633.921	0.040	13.727533	ug/L
Ge	72	379011.276	379011.276		ug/L
As	75	21567.843	0.056	10.853653	ug/L
Se	77	1612.198	0.004	8.749172	ug/L
Se	82	1949.348	0.005	9.082978	ug/L
Rh	103	436003.035	436003.036		ug/L
Ag	107	98689.209	0.228	9.136308	ug/L
Cd	111	23428.539	0.054	9.210086	ug/L
Cd	114	54099.907	0.124	9.437800	ug/L
In	115	342720.384	342720.384		ug/L
Sb	121	76488.844	0.229	9.804838	ug/L
Sb	123	58511.887	0.171	9.568310	ug/L
Tl	203	85310.273	0.204	9.587236	ug/L
Tl	205	204343.740	0.489	10.210309	ug/L
Pb	208	299304.633	0.715	10.571318	ug/L
Bi	209	417256.398	417256.398		ug/L

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Sample Information

Sample ID: 0A21031-SRD1
Autosampler Position: 23
Sample Date/Time: Thursday, January 21, 2010 15:03:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\0A21031-SRD1.017
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	583974.496	51231.756				ug/L
⌈	V	51	6227.969	0.006	0.221203	0.024	10.688	ug/L
|	Cr	52	15114.795	0.008	0.342056	0.028	8.298	ug/L
|	Cr	53	2586.494	-0.000	-0.151189	0.038	25.108	ug/L
|	Co	59	1192.778	0.003	0.091946	0.002	1.806	ug/L
|	Cu	63	1948.952	0.004	0.280870	0.007	2.667	ug/L
|	Cu	65	932.070	0.002	0.269293	0.009	3.289	ug/L
|	Zn	66	2360.414	-0.003	-0.648448	0.033	5.110	ug/L
|	Zn	68	2082.991	-0.002	-0.537911	0.013	2.328	ug/L
\>	Ge	72	393259.218	393259.218				ug/L
|	As	75	1003.465	0.001	0.265976	0.043	16.281	ug/L
|	Se	77	195.671	-0.000	-0.187588	0.111	59.088	ug/L
⌊	Se	82	10.399	-0.000	-0.022891	0.148	646.074	ug/L
⌈>	Rh	103	447011.012	447011.012				ug/L
|	Ag	107	187.671	0.000	0.015168	0.002	13.101	ug/L
|	Cd	111	18.635	0.000	0.006316	0.002	33.486	ug/L
⌊	Cd	114	27.259	0.000	0.002827	0.001	45.120	ug/L
⌈>	In	115	353309.280	353309.280				ug/L
|	Sb	121	308.676	0.001	0.027448	0.000	1.155	ug/L
⌊	Sb	123	215.877	0.000	0.024896	0.003	10.090	ug/L
⌈	Tl	203	66.668	0.000	0.000743	0.001	130.393	ug/L
|	Tl	205	157.670	0.000	0.001179	0.000	41.276	ug/L
|	Pb	208	6208.784	0.012	0.178236	0.001	0.576	ug/L
⌊>	Bi	209	432297.765	432297.765				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	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	98.138
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	102.002

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	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	97.405
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	99.342

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	800471.262	67726.521		ug/L
V	51	5966.926	0.008	0.196580	ug/L
Cr	52	14858.587	0.008	0.311246	ug/L
Cr	53	2641.515	-0.000	-0.108846	ug/L
Co	59	1215.115	0.003	0.093526	ug/L
Cu	63	2001.300	0.004	0.286883	ug/L
Cu	65	933.070	0.002	0.268761	ug/L
Zn	66	2327.402	-0.003	-0.673028	ug/L
Zn	68	2104.331	-0.002	-0.523639	ug/L
> Ge	72	394284.780	394284.780		ug/L
As	75	1107.239	0.002	0.315780	ug/L
Se	77	175.004	-0.000	-0.315584	ug/L
Se	82	47.831	0.000	0.145810	ug/L
> Rh	103	449839.869	449839.869		ug/L
Ag	107	211.006	0.000	0.017150	ug/L
Cd	111	12.369	0.000	0.003874	ug/L
Cd	114	21.002	0.000	0.001742	ug/L
> In	115	354894.291	354894.291		ug/L
Sb	121	307.010	0.001	0.027101	ug/L
Sb	123	209.378	0.000	0.023736	ug/L
Tl	203	64.001	0.000	0.000283	ug/L
Tl	205	173.004	0.000	0.001739	ug/L
Pb	208	6338.158	0.012	0.177736	ug/L
> Bi	209	442309.863	442309.863		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	577453.383	44710.822		ug/L
V	51	6462.398	0.007	0.243868	ug/L
Cr	52	15308.540	0.009	0.367134	ug/L
Cr	53	2568.487	0.000	-0.159852	ug/L
Co	59	1168.107	0.003	0.090218	ug/L
Cu	63	1904.273	0.004	0.274215	ug/L
Cu	65	955.073	0.002	0.276398	ug/L
Zn	66	2332.404	0.003	-0.661552	ug/L
Zn	68	2072.321	-0.002	-0.541868	ug/L
> Ge	72	392051.748	392051.748		ug/L
As	75	942.071	0.001	0.237213	ug/L
Se	77	208.006	0.000	0.121398	ug/L
Se	82	-13.385	-0.000	-0.130217	ug/L
> Rh	103	440357.388	440357.388		ug/L
Ag	107	185.004	0.000	0.015178	ug/L
Cd	111	21.586	0.000	0.007586	ug/L
Cd	114	24.983	0.000	0.002507	ug/L
> In	115	354617.300	354617.300		ug/L
Sb	121	312.010	0.001	0.027722	ug/L
Sb	123	234.754	0.000	0.027779	ug/L
Tl	203	61.001	0.000	0.000090	ug/L
Tl	205	151.003	0.000	0.000835	ug/L
Pb	208	6213.125	0.012	0.177552	ug/L
> Bi	209	433988.434	433988.434		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	573998.884	41256.123		ug/L
V	51	6255.586	0.008	0.223360	ug/L
Cr	52	15177.250	0.008	0.347788	ug/L
Cr	53	2549.480	-0.001	-0.164070	ug/L
Co	59	1198.112	0.003	0.092098	ug/L
Cu	63	1941.283	0.004	0.279412	ug/L
Cu	65	908.087	0.002	0.260702	ug/L
Zn	66	2421.436	0.002	-0.610767	ug/L
Zn	68	2072.321	0.002	-0.548128	ug/L
> Ge	72	393441.116	393441.116		ug/L
As	75	961.085	0.001	0.244937	ug/L
Se	77	208.006	0.000	-0.125813	ug/L
Se	82	-3.251	0.000	0.084267	ug/L
> Rh	103	450735.780	450735.780		ug/L
Ag	107	167.004	0.000	0.013178	ug/L
Cd	111	21.939	0.000	0.007505	ug/L
Cd	114	35.792	0.000	0.004232	ug/L
> In	115	350716.248	350716.248		ug/L
Sb	121	307.010	0.001	0.027520	ug/L
Sb	123	203.501	0.000	0.025172	ug/L
Tl	203	75.001	0.000	0.001857	ug/L
Tl	205	149.003	0.000	0.000986	ug/L
Pb	208	6075.056	0.012	0.179416	ug/L
> Bi	209	420817.199	420817.199		ug/L

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Sample Information

Sample ID: 1000385-PS1
Autosampler Position: 24
Sample Date/Time: Thursday, January 21, 2010 15:07:39
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\1000385-PS1.018
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	598091.552	65348.811				ug/L
⌈	V	51	237114.166	0.601	20.960487	0.041	0.193	ug/L
|	Cr	52	211296.052	0.514	21.098296	0.045	0.211	ug/L
|	Cr	53	26046.666	0.060	20.367740	0.181	0.888	ug/L
|	Co	59	237325.619	0.611	19.773289	0.129	0.654	ug/L
|	Cu	63	119821.862	0.308	20.806092	0.347	1.669	ug/L
|	Cu	65	56712.516	0.146	20.127001	0.101	0.500	ug/L
|	Zn	66	38201.606	0.090	22.219654	0.537	2.415	ug/L
|	Zn	68	28831.360	0.067	23.328388	0.084	0.359	ug/L
|>	Ge	72	388137.813	388137.813				ug/L
|	As	75	41995.885	0.107	20.747195	0.532	2.565	ug/L
|	Se	77	3185.075	0.008	18.155432	0.379	2.089	ug/L
⌊	Se	82	4095.566	0.011	18.669189	0.577	3.089	ug/L
⌈>	Rh	103	435067.644	435067.644				ug/L
|	Ag	107	209390.330	0.481	19.426747	0.132	0.682	ug/L
|	Cd	111	48023.710	0.110	18.921282	0.194	1.027	ug/L
⌊	Cd	114	111600.576	0.257	19.513712	0.276	1.417	ug/L
⌈>	In	115	347712.869	347712.869				ug/L
|	Sb	121	150910.101	0.434	18.547962	0.617	3.325	ug/L
⌊	Sb	123	115555.526	0.332	18.677236	0.489	2.617	ug/L
⌈	Tl	203	172943.596	0.409	19.144603	0.513	2.681	ug/L
|	Tl	205	419180.289	0.991	20.672614	0.386	1.866	ug/L
|	Pb	208	593670.918	1.402	20.721448	0.342	1.649	ug/L
⌊>	Bi	209	422975.352	422975.352				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	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	96.860
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.277

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	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	95.862
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	97.199

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	621358.321	88813.580		ug/L
V	51	239656.931	0.601	20.934336	ug/L
Cr	52	214083.249	0.515	21.126788	ug/L
Cr	53	26179.149	0.060	20.212580	ug/L
Co	59	236382.906	0.607	19.625799	ug/L
Cu	63	118998.183	0.302	20.414963	ug/L
Cu	65	57696.063	0.146	20.234847	ug/L
Zn	66	37692.566	0.087	21.807500	ug/L
Zn	68	29067.314	0.067	23.231981	ug/L
> Ge	72	392779.128	392779.128		ug/L
As	75	41710.417	0.106	20.356866	ug/L
Se	77	3168.733	0.007	17.911140	ug/L
Se	82	4030.625	0.010	18.151753	ug/L
> Rh	103	440021.611	440021.611		ug/L
Ag	107	211322.619	0.480	19.384674	ug/L
Cd	111	48908.734	0.111	19.053985	ug/L
Cd	114	112131.148	0.255	19.384684	ug/L
> In	115	352900.537	352900.537		ug/L
Sb	121	147331.408	0.417	17.838411	ug/L
Sb	123	113788.016	0.322	18.113852	ug/L
Tl	203	175820.236	0.404	18.931843	ug/L
Tl	205	421450.220	0.969	20.451472	ug/L
Pb	208	584752.172	1.362	20.426330	ug/L
> Bi	209	429772.897	429772.897		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	586241.868	53489.125		ug/L
V	51	238842.818	0.603	21.007156	ug/L
Cr	52	210804.941	0.515	21.121104	ug/L
Cr	53	26187.177	0.061	20.566233	ug/L
Co	59	237886.613	0.614	19.867108	ug/L
Cu	63	120118.788	0.310	20.925235	ug/L
Cu	65	58288.304	0.146	20.035742	ug/L
Zn	66	38428.478	0.091	22.442375	ug/L
Zn	68	28782.180	0.068	23.369750	ug/L
> Ge	72	386843.958	386843.958		ug/L
As	75	43068.880	0.110	21.363429	ug/L
Se	77	3184.733	0.008	18.093146	ug/L
Se	82	4217.878	0.011	19.290822	ug/L
> Rh	103	431780.575	431780.575		ug/L
Ag	107	209388.816	0.486	19.575108	ug/L
Cd	111	47884.913	0.111	19.011867	ug/L
Cd	114	112558.384	0.261	19.831066	ug/L
> In	115	345846.163	345846.163		ug/L
Sb	121	152840.416	0.442	18.881360	ug/L
Sb	123	116875.080	0.338	18.988408	ug/L
Tl	203	170197.512	0.401	18.771834	ug/L
Tl	205	416120.936	0.980	20.448325	ug/L
Pb	208	593618.536	1.398	20.642100	ug/L
> Bi	209	424403.860	424403.860		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	586878.470	53932.729		ug/L
V	51	234843.748	0.601	20.939871	ug/L
Cr	52	208980.366	0.513	21.046986	ug/L
Cr	53	25773.673	0.060	20.324427	ug/L
Co	59	235927.339	0.613	19.828668	ug/L
Cu	63	120351.638	0.312	21.078080	ug/L
Cu	65	58175.583	0.146	20.110414	ug/L
Zn	66	38483.775	0.091	22.606087	ug/L
Zn	68	28644.807	0.068	23.383463	ug/L
> Ge	72	384780.352	384780.352		ug/L
As	75	41208.347	0.106	20.531306	ug/L
Se	77	3223.760	0.008	18.562012	ug/L
Se	82	4038.186	0.010	18.564982	ug/L
> Rh	103	433430.746	433430.746		ug/L
Ag	107	207458.856	0.479	19.320259	ug/L
Cd	111	47278.484	0.109	18.688193	ug/L
Cd	114	110111.217	0.254	19.325388	ug/L
> In	115	344381.917	344381.917		ug/L
Sb	121	152558.481	0.443	18.926126	ug/L
Sb	123	116022.473	0.337	18.929453	ug/L
Tl	203	174813.038	0.421	19.730034	ug/L
Tl	205	419988.712	1.012	21.118044	ug/L
Pb	208	592745.045	1.427	21.096615	ug/L
> Bi	209	414749.509	414749.509		ug/L

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Sample Information

Sample ID: 1001177-08
Autosampler Position: 25
Sample Date/Time: Thursday, January 21, 2010 15:15:14
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\1001177-08.019
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	579332.471	46589.731				ug/L
⌈	V	51	63591.019	0.152	5.307451	0.061	1.148	ug/L
|	Cr	52	207107.409	0.497	20.381108	0.112	0.548	ug/L
|	Cr	53	25732.203	0.058	19.811113	0.490	2.475	ug/L
|	Co	59	30291.065	0.077	2.486688	0.033	1.329	ug/L
|	Cu	63	88491.698	0.224	15.157203	0.222	1.467	ug/L
|	Cu	65	42341.557	0.107	14.823483	0.162	1.095	ug/L
|	Zn	66	144212.369	0.358	88.632315	0.360	0.407	ug/L
|	Zn	68	103820.806	0.257	89.008311	1.035	1.163	ug/L
|>	Ge	72	393072.072	393072.072				ug/L
|	As	75	9190.942	0.022	4.304003	0.072	1.668	ug/L
|	Se	77	244.340	0.000	0.107452	0.046	42.634	ug/L
⌊	Se	82	36.960	0.000	0.097165	0.085	87.429	ug/L
⌈>	Rh	103	445085.119	445085.119				ug/L
|	Ag	107	529.359	0.001	0.046192	0.010	21.587	ug/L
|	Cd	111	436.827	0.001	0.167401	0.003	1.864	ug/L
⌊	Cd	114	510.014	0.001	0.085378	0.003	3.294	ug/L
⌈>	In	115	355882.141	355882.141				ug/L
|	Sb	121	1165.774	0.003	0.130136	0.005	3.885	ug/L
⌊	Sb	123	896.389	0.002	0.132158	0.004	2.853	ug/L
⌈	Tl	203	398.348	0.001	0.037277	0.001	1.434	ug/L
|	Tl	205	912.401	0.002	0.038269	0.003	8.634	ug/L
|	Pb	208	168468.135	0.393	5.811446	0.133	2.290	ug/L
⌊>	Bi	209	426218.205	426218.205				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	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	98.091
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	101.563

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	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.114
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	97.944

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	586715.488	53972.747		ug/L
V	51	63866.269	0.152	5.293822	ug/L
Cr	52	208472.554	0.498	20.447801	ug/L
Cr	53	25978.408	0.060	19.942984	ug/L
Co	59	30011.214	0.076	2.454970	ug/L
Cu	63	87521.810	0.221	14.937518	ug/L
Cu	65	42000.540	0.106	14.652124	ug/L
Zn	66	144984.681	0.359	88.787980	ug/L
Zn	68	102822.809	0.254	87.813012	ug/L
Ge	72	394444.243	394444.243		ug/L
As	75	9371.772	0.023	4.377157	ug/L
Se	77	248.007	0.000	0.130408	ug/L
Se	82	58.496	0.000	0.193730	ug/L
Rh	103	446961.715	446961.715		ug/L
Ag	107	647.038	0.001	0.056658	ug/L
Cd	111	434.982	0.001	0.185698	ug/L
Cd	114	500.847	0.001	0.083408	ug/L
In	115	357145.246	357145.246		ug/L
Sb	121	1192.111	0.003	0.132785	ug/L
Sb	123	908.080	0.002	0.133487	ug/L
Tl	203	398.016	0.001	0.036705	ug/L
Tl	205	851.069	0.002	0.034727	ug/L
Pb	208	168830.792	0.388	5.751362	ug/L
Bi	209	431449.600	431449.600		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	575917.471	43174.730		ug/L
V	51	62674.316	0.151	5.294607	ug/L
Cr	52	206661.787	0.498	20.443402	ug/L
Cr	53	26078.773	0.060	20.222072	ug/L
Co	59	30562.507	0.078	2.520823	ug/L
Cu	63	89348.245	0.228	15.382253	ug/L
Cu	65	42183.618	0.107	14.843397	ug/L
Zn	66	143887.220	0.356	88.688844	ug/L
Zn	68	103981.413	0.256	89.614088	ug/L
Ge	72	391078.503	391078.503		ug/L
As	75	9139.534	0.022	4.301184	ug/L
Se	77	248.007	0.000	0.137248	ug/L
Se	82	22.806	0.000	0.033951	ug/L
Rh	103	446771.975	446771.975		ug/L
Ag	107	518.024	0.001	0.046115	ug/L
Cd	111	447.777	0.001	0.170976	ug/L
Cd	114	504.686	0.001	0.084128	ug/L
In	115	353728.351	353728.351		ug/L
Sb	121	1185.110	0.003	0.133317	ug/L
Sb	123	909.431	0.002	0.135088	ug/L
Tl	203	403.015	0.001	0.037383	ug/L
Tl	205	933.070	0.002	0.038812	ug/L
Pb	208	167442.115	0.387	5.718887	ug/L
Bi	209	430308.784	430308.784		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	575364.456	42621.714		ug/L
V	51	64443.472	0.154	5.374124	ug/L
Cr	52	208197.916	0.494	20.252120	ug/L
Cr	53	25143.427	0.057	19.268313	ug/L
Co	59	30308.473	0.077	2.484169	ug/L
Cu	63	88604.040	0.224	15.151836	ug/L
Cu	65	42540.515	0.108	14.974930	ug/L
Zn	66	143785.186	0.357	88.220151	ug/L
Zn	68	104658.198	0.259	89.597835	ug/L
Ge	72	393693.469	393693.469		ug/L
As	75	9062.519	0.022	4.233868	ug/L
Se	77	238.006	0.000	0.054701	ug/L
Se	82	29.578	0.000	0.063813	ug/L
Rh	103	441531.867	441531.867		ug/L
Ag	107	422.017	0.001	0.036802	ug/L
Cd	111	427.721	0.001	0.165228	ug/L
Cd	114	524.712	0.001	0.088598	ug/L
In	115	356772.826	356772.826		ug/L
Sb	121	1120.099	0.003	0.124306	ug/L
Sb	123	871.877	0.002	0.127803	ug/L
Tl	203	394.015	0.001	0.037763	ug/L
Tl	205	953.073	0.002	0.041289	ug/L
Pb	208	169131.499	0.403	5.963991	ug/L
Bi	209	416898.250	416898.250		ug/L

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Sample Information

Sample ID: 1001177-10
Autosampler Position: 26
Sample Date/Time: Thursday, January 21, 2010 15:19:17
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\1001177-10.020
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	580004.902	47262.161				ug/L
⌈	V	51	74895.421	0.182	6.332925	0.063	0.998	ug/L
|	Cr	52	236008.067	0.572	23.485542	0.183	0.779	ug/L
|	Cr	53	29005.396	0.067	22.723636	0.296	1.302	ug/L
|	Co	59	35638.375	0.091	2.937441	0.054	1.829	ug/L
|	Cu	63	106615.547	0.271	18.337526	0.177	0.964	ug/L
|	Cu	65	51006.324	0.130	17.932553	0.165	0.919	ug/L
|	Zn	66	160643.660	0.402	99.338902	1.236	1.244	ug/L
|	Zn	68	115578.758	0.288	99.721505	1.114	1.117	ug/L
\>	Ge	72	391696.689	391696.689				ug/L
|	As	75	10740.571	0.026	5.086922	0.007	0.135	ug/L
|	Se	77	256.674	0.000	0.187291	0.025	13.258	ug/L
⌊	Se	82	42.244	0.000	0.121804	0.039	32.180	ug/L
⌈>	Rh	103	437504.571	437504.571				ug/L
|	Ag	107	409.683	0.001	0.036021	0.001	3.007	ug/L
|	Cd	111	723.006	0.002	0.282467	0.003	0.977	ug/L
⌊	Cd	114	926.582	0.002	0.159336	0.005	3.349	ug/L
⌈>	In	115	355031.053	355031.053				ug/L
|	Sb	121	1294.130	0.003	0.145917	0.006	3.805	ug/L
⌊	Sb	123	965.271	0.003	0.143396	0.005	3.814	ug/L
⌈	Tl	203	949.406	0.002	0.099011	0.001	0.685	ug/L
|	Tl	205	2233.039	0.005	0.104123	0.004	4.315	ug/L
|	Pb	208	196127.421	0.463	6.849145	0.142	2.078	ug/L
⌊>	Bi	209	421361.397	421361.397				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	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	97.748
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.833

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	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	97.880
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	96.828

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	577007.391	44264.661		ug/L
V	51	78647.186	0.183	8.392906	ug/L
Cr	52	237427.864	0.598	23.281870	ug/L
Cr	53	29074.342	0.086	22.425778	ug/L
Co	59	35522.464	0.089	2.888006	ug/L
Cu	63	109863.850	0.268	18.134408	ug/L
Cu	65	51660.656	0.130	17.905618	ug/L
Zn	66	161651.312	0.398	98.629456	ug/L
Zn	68	115788.776	0.286	98.436237	ug/L
Ge	72	397298.087	397298.087		ug/L
As	75	10660.238	0.028	5.084982	ug/L
Se	77	266.008	0.000	0.215440	ug/L
Se	82	40.618	0.000	0.111944	ug/L
Rh	103	436478.884	436478.884		ug/L
Ag	107	397.018	0.001	0.034937	ug/L
Cd	111	718.232	0.002	0.260486	ug/L
Cd	114	938.581	0.002	0.161781	ug/L
In	115	355097.914	355097.914		ug/L
Sb	121	1254.123	0.003	0.141073	ug/L
Sb	123	1002.577	0.003	0.148274	ug/L
Tl	203	970.078	0.002	0.098730	ug/L
Tl	205	2228.370	0.005	0.102334	ug/L
Pb	208	195673.862	0.466	8.727588	ug/L
Bi	209	427836.184	427836.184		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	584666.489	51962.748		ug/L
V	51	74123.874	0.180	8.266881	ug/L
Cr	52	238442.980	0.574	23.536204	ug/L
Cr	53	29003.053	0.087	22.727731	ug/L
Co	59	35678.749	0.091	2.933136	ug/L
Cu	63	107278.870	0.273	18.457104	ug/L
Cu	65	50568.883	0.129	17.782954	ug/L
Zn	66	159639.805	0.399	98.730240	ug/L
Zn	68	116184.611	0.290	100.292370	ug/L
Ge	72	391557.720	391557.720		ug/L
As	75	10725.398	0.026	5.081251	ug/L
Se	77	258.007	0.000	0.177939	ug/L
Se	82	51.730	0.000	0.164888	ug/L
Rh	103	441035.366	441035.366		ug/L
Ag	107	413.016	0.001	0.036022	ug/L
Cd	111	725.811	0.002	0.261320	ug/L
Cd	114	898.721	0.002	0.153215	ug/L
In	115	355214.598	355214.598		ug/L
Sb	121	1348.140	0.004	0.151978	ug/L
Sb	123	958.808	0.003	0.142484	ug/L
Tl	203	933.070	0.002	0.096920	ug/L
Tl	205	2130.339	0.006	0.100801	ug/L
Pb	208	197358.823	0.474	7.005740	ug/L
Bi	209	414482.666	414482.666		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	578311.826	45569.085		ug/L
V	51	73815.222	0.182	8.336988	ug/L
Cr	52	234153.357	0.576	23.636462	ug/L
Cr	53	28938.792	0.088	23.017401	ug/L
Co	59	35612.912	0.093	2.993178	ug/L
Cu	63	105814.122	0.273	18.421064	ug/L
Cu	65	50791.450	0.131	18.108188	ug/L
Zn	66	160839.884	0.407	100.781008	ug/L
Zn	68	114772.886	0.290	100.433808	ug/L
Ge	72	386234.251	386234.251		ug/L
As	75	10808.079	0.028	5.094563	ug/L
Se	77	250.007	0.000	0.168484	ug/L
Se	82	34.384	0.000	0.088479	ug/L
Rh	103	435001.653	435001.653		ug/L
Ag	107	419.016	0.001	0.037103	ug/L
Cd	111	726.875	0.002	0.265814	ug/L
Cd	114	942.446	0.002	0.163012	ug/L
In	115	354780.646	354780.646		ug/L
Sb	121	1263.128	0.003	0.144703	ug/L
Sb	123	933.427	0.002	0.138458	ug/L
Tl	203	946.072	0.002	0.096383	ug/L
Tl	205	2339.408	0.006	0.109238	ug/L
Pb	208	195451.488	0.461	6.814139	ug/L
Bi	209	421985.342	421985.342		ug/L

0659

Sample Information

Sample ID: 0A21031-CCV 3
Autosampler Position: 2
Sample Date/Time: Thursday, January 21, 2010 15:23:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\0A21031-CCV.021
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	574478.365	41735.624				ug/L
⌈	V	51	451050.210	1.145	39.917169	0.581	1.457	ug/L
|	Cr	52	399356.274	0.992	40.710285	0.263	0.647	ug/L
|	Cr	53	48898.629	0.118	40.058842	0.393	0.980	ug/L
|	Co	59	495915.766	1.270	41.066228	0.395	0.962	ug/L
|	Cu	63	243165.556	0.622	42.009546	0.426	1.014	ug/L
|	Cu	65	116008.989	0.297	40.974765	0.056	0.136	ug/L
|	Zn	66	67413.347	0.164	40.567377	0.709	1.747	ug/L
|	Zn	68	49445.394	0.120	41.429876	0.873	2.108	ug/L
|>	Ge	72	390583.213	390583.213				ug/L
|	As	75	83949.626	0.214	41.436136	0.022	0.052	ug/L
|	Se	77	6757.930	0.017	39.797061	0.772	1.939	ug/L
⌊	Se	82	8892.481	0.023	40.356259	0.358	0.888	ug/L
⌈>	Rh	103	459411.281	459411.281				ug/L
|	Ag	107	449548.557	0.978	39.498620	0.476	1.205	ug/L
|	Cd	111	103039.149	0.224	38.448213	0.126	0.327	ug/L
⌊	Cd	114	238111.458	0.518	39.428298	0.219	0.556	ug/L
⌈>	In	115	356240.569	356240.569				ug/L
|	Sb	121	319446.125	0.897	38.338246	1.539	4.013	ug/L
⌊	Sb	123	243810.392	0.685	38.483653	1.816	4.720	ug/L
⌈	Tl	203	363545.660	0.830	38.861117	0.197	0.506	ug/L
|	Tl	205	864091.782	1.973	41.153234	0.365	0.886	ug/L
|	Pb	208	1177650.296	2.687	39.722476	0.279	0.703	ug/L
⌊>	Bi	209	437973.697	437973.697				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	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	97.470
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	104.832

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	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.213
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	100.646

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	578681 008	45838 266		ug/L
V	51	449530 313	1 133	39 477701	ug/L
Cr	52	404253 566	0 997	40 904782	ug/L
Cr	53	48749 275	0.117	39 807566	ug/L
Co	59	497384 562	1 264	40 874482	ug/L
Cu	63	246239 886	0 625	42 218811	ug/L
Cu	65	116711 946	0 298	40 910852	ug/L
Zn	66	66866 174	0 161	39 898408	ug/L
Zn	68	49214 453	0 118	40 881377	ug/L
> Ge	72	393580 428	393580 428		ug/L
As	75	84598 129	0 214	41 440449	ug/L
Se	77	6627 330	0 017	39 903396	ug/L
Se	82	9032 926	0 023	40 884712	ug/L
> Rh	103	460167 681	460167 681		ug/L
Ag	107	450266 522	0 976	39 497087	ug/L
Cd	111	102819 463	0 223	38 303049	ug/L
Cd	114	238356 408	0 518	39 403788	ug/L
> In	115	362769 994	362769 994		ug/L
Sb	121	310835 917	0 856	36 593884	ug/L
Sb	123	235933 942	0 650	36 552107	ug/L
Tl	203	389179 819	0 834	39 052680	ug/L
Tl	205	876922 587	1 981	41 326611	ug/L
Pb	208	1183754 789	2 672	39 510031	ug/L
> Bi	209	442588 021	442588 021		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	574933 758	42191 017		ug/L
V	51	456878 981	1.164	40 578450	ug/L
Cr	52	400581 491	0 996	40 815631	ug/L
Cr	53	49230 563	0 119	40 323357	ug/L
Co	59	493017 817	1 261	40 803480	ug/L
Cu	63	240456 728	0 615	41 519281	ug/L
Cu	65	116136 712	0 297	40 999274	ug/L
Zn	66	66623 753	0 167	41 310338	ug/L
Zn	68	48945 812	0 118	40 980738	ug/L
> Ge	72	390784 021	390784 021		ug/L
As	75	84031 202	0 214	41 456271	ug/L
Se	77	6627.139	0 016	38 977781	ug/L
Se	82	6812 793	0 023	39 974021	ug/L
> Rh	103	459634 975	459634 975		ug/L
Ag	107	458189 358	0 990	39 975214	ug/L
Cd	111	103277 283	0 226	38 518187	ug/L
Cd	114	236984 556	0 516	39 222381	ug/L
> In	115	353568 716	353568 716		ug/L
Sb	121	321978 087	0 910	38 916827	ug/L
Sb	123	243712 509	0 689	38 741458	ug/L
Tl	203	382224 893	0 826	38 659811	ug/L
Tl	205	856860 450	1 953	40 734002	ug/L
Pb	208	1176491 034	2 680	39 618798	ug/L
> Bi	209	438863 782	438863 782		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	569820 331	37077 580		ug/L
V	51	444941 356	1 139	39 697358	ug/L
Cr	52	393263 738	0 985	40 410533	ug/L
Cr	53	48716 049	0 119	40 245811	ug/L
Co	59	497344 930	1 284	41 520711	ug/L
Cu	63	242900 054	0 626	42 290548	ug/L
Cu	65	115176 307	0 297	41 014167	ug/L
Zn	66	66751 114	0 164	40 493386	ug/L
Zn	68	50176 118	0 123	42 437514	ug/L
> Ge	72	387408 188	387408 188		ug/L
As	75	83219 545	0 214	41 412689	ug/L
Se	77	6819 322	0 017	40 510008	ug/L
Se	82	8831.726	0 023	40 410045	ug/L
> Rh	103	458431.177	458431.177		ug/L
Ag	107	443188 791	0 967	39 023561	ug/L
Cd	111	103020 722	0 225	38 523402	ug/L
Cd	114	236983 408	0 521	39 656748	ug/L
> In	115	352392 998	352392 998		ug/L
Sb	121	325724 370	0 924	39 502048	ug/L
Sb	123	251784 723	0 714	40 187395	ug/L
Tl	203	359232 269	0 830	38 871161	ug/L
Tl	205	856702 308	1 984	41 397190	ug/L
Pb	208	1172705 084	2 708	40 038610	ug/L
> Bi	209	432671 288	432671 288		ug/L

Sample ID: 0A21031-CCV

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Sample Information

Sample ID: 0A21031-CCB 3
Autosampler Position: 1
Sample Date/Time: Thursday, January 21, 2010 15:30:49
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\0A21031-CCB.022
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	566237.748	33495.007				ug/L
⌈	V	51	4118.149	0.001	0.030486	0.010	34.164	ug/L
|	Cr	52	12411.899	0.001	0.046907	0.012	25.106	ug/L
|	Cr	53	2344.408	-0.001	-0.380311 OK	0.029	7.514	ug/L
|	Co	59	75.668	-0.000	-0.000002	0.000	21504.496	ug/L
|	Cu	63	356.346	0.000	0.006651	0.002	36.220	ug/L
|	Cu	65	176.337	0.000	0.003157	0.005	147.361	ug/L
|	Zn	66	3502.227	0.000	0.047446	0.034	71.724	ug/L
|	Zn	68	2766.897	0.000	0.038961	0.040	103.190	ug/L
|>	Ge	72	397290.446	397290.446				ug/L
|	As	75	588.960	0.000	0.058845	0.028	48.051	ug/L
|	Se	77	201.672	-0.000	0.163878	0.038	22.928	ug/L
⌊	Se	82	25.355	0.000	0.043789	0.029	66.184	ug/L
⌈>	Rh	103	470508.456	470508.456				ug/L
|	Ag	107	105.002	0.000	0.007225	0.001	8.858	ug/L
|	Cd	111	6.935	0.000	0.001714	0.004	233.986	ug/L
⌊	Cd	114	16.799	0.000	0.000921	0.002	199.436	ug/L
⌈>	In	115	365334.230	365334.230				ug/L
|	Sb	121	867.062	0.002	0.091515	0.009	9.934	ug/L
⌊	Sb	123	681.035	0.002	0.095319	0.008	8.209	ug/L
⌈	Tl	203	52.001	-0.000	-0.000948	0.001	126.089	ug/L
|	Tl	205	141.669	0.000	0.000299	0.000	118.994	ug/L
|	Pb	208	993.704	-0.000	-0.000705	0.001	180.503	ug/L
⌊>	Bi	209	439689.024	439689.024				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	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	99.144
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	107.364

	Ag	106.905		
	Cd	110.904		
	Cd	113.904		
>	In	114.904	100.720	
	Sb	120.904		
	Sb	122.904		
	Tl	202.972		
	Tl	204.975		
	Pb	207.977		
>	Bi	208.980	101.040	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0A21031-CCB	Cr	53	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	571512.878	38770.137		ug/L
V	51	4171.529	0.001	0.033988	ug/L
Cr	52	12508.083	0.001	0.062422	ug/L
Cr	53	2370.417	-0.001	-0.384712	ug/L
Co	59	82.001	0.000	0.000493	ug/L
Cu	63	347.012	0.000	0.004888	ug/L
Cu	65	190.004	0.000	0.007708	ug/L
Zn	66	3507.898	0.000	0.043918	ug/L
Zn	68	2827.589	0.000	0.083889	ug/L
> Ge	72	398587.025	398587.025		ug/L
As	75	553.342	0.000	0.040521	ug/L
Se	77	209.008	-0.000	-0.123988	ug/L
Se	82	22.712	0.000	0.031582	ug/L
> Rh	103	472929.228	472929.228		ug/L
Ag	107	114.002	0.000	0.007860	ug/L
Cd	111	9.247	0.000	0.002513	ug/L
Cd	114	14.578	0.000	0.000538	ug/L
> In	115	366818.799	366818.799		ug/L
Sb	121	644.072	0.002	0.100118	ug/L
Sb	123	736.794	0.002	0.103471	ug/L
Tl	203	55.001	-0.000	-0.000705	ug/L
Tl	205	145.003	0.000	0.000373	ug/L
Pb	208	966.035	0.000	-0.002083	ug/L
> Bi	209	445019.475	445018.475		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	569986.318	37223.677		ug/L
V	51	4196.336	0.001	0.038713	ug/L
Cr	52	12439.948	0.001	0.064914	ug/L
Cr	53	2358.412	-0.001	-0.382928	ug/L
Co	59	71.001	-0.000	-0.000358	ug/L
Cu	63	371.013	0.000	0.006391	ug/L
Cu	65	182.003	0.000	-0.001592	ug/L
Zn	66	3436.881	0.000	0.015317	ug/L
Zn	68	2718.544	0.000	0.006378	ug/L
> Ge	72	395713.658	395713.658		ug/L
As	75	653.233	0.000	0.091408	ug/L
Se	77	200.006	-0.000	-0.169045	ug/L
Se	82	32.642	0.000	0.076876	ug/L
> Rh	103	474201.877	474201.877		ug/L
Ag	107	103.002	0.000	0.006887	ug/L
Cd	111	4.971	-0.000	-0.002636	ug/L
Cd	114	8.958	-0.000	-0.000883	ug/L
> In	115	366827.566	366827.566		ug/L
Sb	121	878.083	0.002	0.092422	ug/L
Sb	123	679.032	0.002	0.094815	ug/L
Tl	203	40.001	-0.000	-0.002247	ug/L
Tl	205	134.003	-0.000	-0.000088	ug/L
Pb	208	1032.038	0.000	0.000458	ug/L
> Bi	209	441210.714	441210.714		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	557234.047	24481.306		ug/L
V	51	3987.583	0.001	0.018775	ug/L
Cr	52	12289.888	0.001	0.033088	ug/L
Cr	53	2307.398	-0.001	-0.413292	ug/L
Co	59	74.001	-0.000	-0.000141	ug/L
Cu	63	351.012	0.000	0.005898	ug/L
Cu	65	177.004	0.000	0.003357	ug/L
Zn	66	3561.923	0.000	0.083103	ug/L
Zn	68	2754.568	0.000	0.028815	ug/L
> Ge	72	397570.884	397570.884		ug/L
As	75	560.304	0.000	0.044804	ug/L
Se	77	198.005	0.000	-0.198801	ug/L
Se	82	20.712	0.000	0.022808	ug/L
> Rh	103	464394.563	464394.563		ug/L
Ag	107	98.002	0.000	0.006736	ug/L
Cd	111	16.529	0.000	0.005263	ug/L
Cd	114	26.859	0.000	0.002619	ug/L
> In	115	362359.323	362359.323		ug/L
Sb	121	779.050	0.002	0.082004	ug/L
Sb	123	627.278	0.002	0.087888	ug/L
Tl	203	81.001	0.000	0.000107	ug/L
Tl	205	146.003	0.000	0.000813	ug/L

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I	Pb	208	984.037	-0.000	-0.000611	ug/L
[-	Bi	209	432836.884	432836.884		ug/L

Sample ID: 0A21031-CCB
Report Date/Time: Thursday, January 21, 2010 15:32:39

Sample Information

Sample ID: 1000386-BLK1
Autosampler Position: 27
Sample Date/Time: Thursday, January 21, 2010 15:43:41
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\1000386-BLK1.023
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	575402.477	42659.737				ug/L
⌈	V	51	4033.003	0.001	0.022171	0.023	102.045	ug/L
|	Cr	52	12774.209	0.002	0.081069	0.019	23.979	ug/L
|	Cr	53	2475.122	-0.001	-0.274144	0.162	59.091	ug/L
|	Co	59	72.334	-0.000	-0.000286	0.000	95.243	ug/L
|	Cu	63	287.009	-0.000	-0.005261	0.003	50.938	ug/L
|	Cu	65	149.670	-0.000	0.006231	0.001	17.947	ug/L
|	Zn	66	1071.424	-0.006	-1.467795	0.013	0.876	ug/L
|	Zn	68	1039.753	-0.004	-1.467191	0.031	2.133	ug/L
|>	Ge	72	398261.648	398261.648				ug/L
|	As	75	557.577	0.000	0.042811	0.022	51.276	ug/L
|	Se	77	194.671	-0.000	-0.208683	0.141	67.741	ug/L
⌊	Se	82	21.248	0.000	0.025266	0.129	509.740	ug/L
⌈>	Rh	103	481154.351	481154.351				ug/L
|	Ag	107	31.667	0.000	0.000870	0.001	61.155	ug/L
|	Cd	111	4.284	0.000	0.000677	0.001	167.764	ug/L
⌊	Cd	114	14.557	0.000	0.000504	0.001	220.120	ug/L
⌈>	In	115	374111.319	374111.319				ug/L
|	Sb	121	183.338	0.000	0.011042	0.001	8.026	ug/L
⌊	Sb	123	150.747	0.000	0.013220	0.002	12.409	ug/L
⌈	Tl	203	50.334	-0.000	-0.001222	0.000	24.731	ug/L
|	Tl	205	107.002	-0.000	-0.001431	0.000	25.191	ug/L
|	Pb	208	757.690	-0.001	-0.009066	0.001	11.414	ug/L
⌊>	Bi	209	447276.067	447276.067				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	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	99.386
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	109.793

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	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	103.140
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	102.784

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	567404 841	54662 100		ug/L
V	51	4014 714	0 001	0 021226	ug/L
Cr	52	12537 118	0 001	0 059162	ug/L
Cr	53	2476 454	0 001	-0 268717	ug/L
Co	59	78 001	0 000	0 000023	ug/L
Cu	63	301 008	0 000	-0 002791	ug/L
Cu	65	153 003	0 000	-0 004973	ug/L
Zn	66	1091 084	0 006	-1 454288	ug/L
Zn	68	1001 080	0 004	-1 499048	ug/L
Ge	72	397489 308	397489 308		ug/L
As	75	802 540	0 000	0 086257	ug/L
Se	77	158 004	0 000	-0 359884	ug/L
Se	82	14 445	0 000	-0 005088	ug/L
Rh	103	481034 809	481034 809		ug/L
Ag	107	34 000	0 000	0 001072	ug/L
Cd	111	2 029	0 000	-0 000115	ug/L
Cd	114	17 435	0 000	0 000946	ug/L
In	115	378937 024	378937 024		ug/L
Sb	121	193 008	0 000	0 011988	ug/L
Sb	123	153 122	0 000	0 013390	ug/L
Tl	203	52 001	0 000	-0 001175	ug/L
Tl	205	103 002	0 000	-0 001731	ug/L
Pb	208	741 022	0 001	0 010198	ug/L
Bi	209	457899 651	457899 651		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	563750 882	31008 141		ug/L
V	51	3791 114	0 000	0 000034	ug/L
Cr	52	12958 874	0 002	0 096328	ug/L
Cr	53	2669 525	0 000	-0 114931	ug/L
Co	59	70 001	0 000	-0 000483	ug/L
Cu	63	271 009	0 000	0 008110	ug/L
Cu	65	149 003	0 000	-0 008810	ug/L
Zn	66	1072 091	0 006	-1 469278	ug/L
Zn	68	1078 092	0 004	-1 438498	ug/L
Ge	72	398396 362	398396 362		ug/L
As	75	567 073	0 000	0 041787	ug/L
Se	77	199 005	0 000	0 189088	ug/L
Se	82	-3 611	0 000	-0 085650	ug/L
Rh	103	489255 867	489255 867		ug/L
Ag	107	37 000	0 000	0 001272	ug/L
Cd	111	8 043	0 000	0 001880	ug/L
Cd	114	6 754	0 000	-0 000758	ug/L
In	115	367363 646	367363 646		ug/L
Sb	121	173 004	0 000	0 010231	ug/L
Sb	123	158 248	0 000	0 014768	ug/L
Tl	203	47 001	0 000	-0 001545	ug/L
Tl	205	115 002	0 000	-0 001031	ug/L
Pb	208	781 024	0 001	0 008167	ug/L
Bi	209	444872 743	444872 743		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	575051 710	42308 969		ug/L
V	51	4293 180	0 001	0 045253	ug/L
Cr	52	12826 634	0 002	0 087696	ug/L
Cr	53	2279 388	0 001	-0 438783	ug/L
Co	59	71 001	0 000	0 000380	ug/L
Cu	63	289 009	0 000	0 004882	ug/L
Cu	65	147 003	0 000	-0 007111	ug/L
Zn	66	1061 088	0 006	-1 479842	ug/L
Zn	68	1040 086	0 004	-1 468031	ug/L
Ge	72	397900 273	397900 273		ug/L
As	75	513 119	0 000	0 021389	ug/L
Se	77	218 006	0 000	0 079976	ug/L
Se	82	52 910	0 000	0 186616	ug/L
Rh	103	473172 578	473172 578		ug/L
Ag	107	24 000	0 000	0 000267	ug/L
Cd	111	2 779	0 000	0 000188	ug/L
Cd	114	19 481	0 000	0 001323	ug/L
In	115	378033 288	378033 288		ug/L
Sb	121	184 004	0 000	0 010907	ug/L
Sb	123	140 870	0 000	0 011502	ug/L
Tl	203	52 001	0 000	-0 000846	ug/L
Tl	205	103 002	0 000	-0 001530	ug/L
Pb	208	751 023	0 001	0 008834	ug/L
Bi	209	439056 808	439056 808		ug/L

Sample ID: 1000386-BLK1
Report Date/Time: Thursday, January 21, 2010 15:45:31

Sample Information

Sample ID: 1000386-BS1
Autosampler Position: 28
Sample Date/Time: Thursday, January 21, 2010 15:47:43
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\1000386-BS1.024
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	590842.239	58099.499				ug/L
⌈	V	51	108990.697	0.265	9.226241	0.089	0.964	ug/L
|	Cr	52	103205.755	0.230	9.416906	0.089	0.947	ug/L
|	Cr	53	12981.583	0.026	8.691475	0.191	2.202	ug/L
|	Co	59	114115.518	0.287	9.281437	0.141	1.517	ug/L
|	Cu	63	57230.272	0.143	9.675074	0.167	1.721	ug/L
|	Cu	65	27581.424	0.069	9.528809	0.091	0.959	ug/L
|	Zn	66	15597.503	0.031	7.574389	0.054	0.710	ug/L
|	Zn	68	11655.285	0.022	7.774360	0.042	0.541	ug/L
|>	Ge	72	397476.857	397476.857				ug/L
|	As	75	18709.891	0.046	8.896596	0.072	0.808	ug/L
|	Se	77	1648.540	0.004	8.498086	0.290	3.412	ug/L
⌊	Se	82	1941.177	0.005	8.603505	0.517	6.010	ug/L
⌈>	Rh	103	469595.827	469595.827				ug/L
|	Ag	107	102423.547	0.218	8.802903	0.116	1.319	ug/L
|	Cd	111	23340.725	0.050	8.520130	0.154	1.813	ug/L
⌊	Cd	114	54173.971	0.115	8.774520	0.046	0.524	ug/L
⌈>	In	115	365589.510	365589.510				ug/L
|	Sb	121	78083.276	0.213	9.121540	0.114	1.245	ug/L
⌊	Sb	123	59245.429	0.162	9.101906	0.099	1.088	ug/L
⌈	Tl	203	84203.257	0.188	8.796647	0.120	1.359	ug/L
|	Tl	205	203187.382	0.453	9.457052	0.101	1.071	ug/L
|	Pb	208	277873.805	0.618	9.138851	0.156	1.707	ug/L
⌊>	Bi	209	447958.920	447958.920				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	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	99.191
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	107.156

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	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	100.791
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	102.940

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	603833.810	70681.170		ug/L
V	51	108462.084	0.266	9.273422	ug/L
Cr	52	101291.142	0.227	9.324027	ug/L
Cr	53	13110.151	0.028	8.911448	ug/L
Co	59	114918.213	0.292	9.439343	ug/L
Cu	63	57790.418	0.146	9.887264	ug/L
Cu	65	27581.424	0.070	9.623820	ug/L
Zn	66	15358.848	0.030	7.521320	ug/L
Zn	68	11562.498	0.023	7.611360	ug/L
Ge	72	393564.093	393564.093		ug/L
As	75	18648.638	0.048	8.958487	ug/L
Se	77	1672.212	0.004	8.738010	ug/L
Se	82	2011.442	0.005	9.005676	ug/L
Rh	103	466920.548	466920.548		ug/L
Ag	107	101048.742	0.216	8.734348	ug/L
Cd	111	23026.677	0.049	8.454084	ug/L
Cd	114	54087.189	0.116	8.810877	ug/L
In	115	361974.480	361974.480		ug/L
Sb	121	77380.438	0.213	9.125898	ug/L
Sb	123	58577.799	0.162	9.088034	ug/L
Tl	203	84704.117	0.185	8.673068	ug/L
Tl	205	205847.378	0.450	9.381883	ug/L
Pb	208	278348.845	0.607	8.971621	ug/L
Bi	209	456971.989	456971.989		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	585812.708	53068.988		ug/L
V	51	108650.204	0.262	9.123804	ug/L
Cr	52	104819.538	0.232	9.501774	ug/L
Cr	53	12930.823	0.025	8.563256	ug/L
Co	59	114433.503	0.286	9.235818	ug/L
Cu	63	57138.193	0.142	9.584689	ug/L
Cu	65	27541.288	0.068	9.441580	ug/L
Zn	66	15804.624	0.031	7.828856	ug/L
Zn	68	11754.782	0.022	7.783070	ug/L
Ge	72	400620.841	400620.841		ug/L
As	75	18688.348	0.046	8.618437	ug/L
Se	77	1807.187	0.003	8.175837	ug/L
Se	82	1997.181	0.006	8.784582	ug/L
Rh	103	468642.781	468642.781		ug/L
Ag	107	103782.112	0.221	8.937010	ug/L
Cd	111	23771.640	0.051	8.696843	ug/L
Cd	114	53733.899	0.115	8.722802	ug/L
In	115	360440.460	360440.460		ug/L
Sb	121	77934.635	0.216	9.232878	ug/L
Sb	123	59083.388	0.164	9.207158	ug/L
Tl	203	84323.681	0.190	8.911640	ug/L
Tl	205	203286.187	0.459	9.572203	ug/L
Pb	208	278832.150	0.628	9.280354	ug/L
Bi	209	442749.714	442749.714		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	583080.101	50337.381		ug/L
V	51	109888.804	0.266	9.281696	ug/L
Cr	52	103508.586	0.230	9.424816	ug/L
Cr	53	12903.774	0.025	8.598723	ug/L
Co	59	112993.840	0.283	9.168149	ug/L
Cu	63	56762.209	0.142	9.573269	ug/L
Cu	65	27621.579	0.068	9.521046	ug/L
Zn	66	15629.237	0.031	7.572994	ug/L
Zn	68	11628.574	0.022	7.728650	ug/L
Ge	72	398356.635	398356.635		ug/L
As	75	18795.788	0.046	8.917883	ug/L
Se	77	1668.211	0.004	8.580310	ug/L
Se	82	1814.907	0.005	8.020246	ug/L
Rh	103	473324.144	473324.144		ug/L
Ag	107	102469.787	0.218	8.737361	ug/L
Cd	111	23221.856	0.049	8.409563	ug/L
Cd	114	54700.624	0.116	8.790080	ug/L
In	115	374353.589	374353.589		ug/L
Sb	121	78964.756	0.211	9.005848	ug/L
Sb	123	60065.089	0.160	9.010536	ug/L
Tl	203	83582.003	0.186	8.806232	ug/L
Tl	205	200828.584	0.451	9.417068	ug/L
Pb	208	276339.422	0.620	9.184576	ug/L
Bi	209	444155.078	444155.078		ug/L

Sample ID: 1000386-BS1
Report Date/Time: Thursday, January 21, 2010 15:49:33

Sample Information

Sample ID: 1001142-01
Autosampler Position: 29
Sample Date/Time: Thursday, January 21, 2010 15:55:14
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\1001142-01.025
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	589190.324	56447.583				ug/L
⌈	V	51	4651.903	0.002	0.083337	0.017	20.093	ug/L
|	Cr	52	13625.791	0.005	0.193347	0.019	10.044	ug/L
|	Cr	53	2378.420	-0.001	-0.321140	0.062	19.352	ug/L
|	Co	59	1653.875	0.004	0.130512	0.004	2.871	ug/L
|	Cu	63	1363.477	0.003	0.181366	0.007	3.895	ug/L
|	Cu	65	406.682	0.001	0.085502	0.015	17.446	ug/L
|	Zn	66	10246.781	0.018	4.344382	0.125	2.883	ug/L
|	Zn	68	8411.369	0.015	5.065485	0.192	3.794	ug/L
|>	Ge	72	391389.239	391389.239				ug/L
|	As	75	1301.451	0.002	0.416060	0.011	2.618	ug/L
|	Se	77	225.006	-0.000	-0.003902	0.061	1575.679	ug/L
⌊	Se	82	12.289	-0.000	-0.014049	0.097	693.348	ug/L
⌈>	Rh	103	444937.409	444937.409				ug/L
|	Ag	107	271.008	0.001	0.022736	0.008	35.319	ug/L
|	Cd	111	7.642	0.000	0.002099	0.002	101.818	ug/L
⌊	Cd	114	18.822	0.000	0.001413	0.000	31.463	ug/L
⌈>	In	115	353756.372	353756.372				ug/L
|	Sb	121	401.349	0.001	0.038527	0.005	13.317	ug/L
⌊	Sb	123	340.797	0.001	0.044660	0.004	9.286	ug/L
⌈	Tl	203	52.667	-0.000	-0.000755	0.000	29.193	ug/L
|	Tl	205	112.669	-0.000	-0.000955	0.001	56.467	ug/L
|	Pb	208	1003.038	0.000	0.000377	0.001	165.269	ug/L
⌊>	Bi	209	429772.509	429772.509				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	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	97.671
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	101.529

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	Ag	106.905		
	Cd	110.904		
	Cd	113.904		
>	In	114.904	97.528	
	Sb	120.904		
	Sb	122.904		
	Tl	202.972		
	Tl	204.975		
	Pb	207.977		
>	Bi	208.980	98.761	

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	589928.677	57188.937		ug/L
V	51	4866.736	0.003	0.098044	ug/L
Cr	52	13984.817	0.006	0.215745	ug/L
Cr	53	2473.453	-0.001	-0.260833	ug/L
Co	59	1717.224	0.004	0.134276	ug/L
Cu	63	1421.156	0.003	0.188803	ug/L
Cu	65	368.013	0.001	0.070388	ug/L
Zn	66	10129.276	0.017	4.202236	ug/L
Zn	68	8266.864	0.014	4.880400	ug/L
> Ge	72	395530.943	395530.943		ug/L
As	75	1304.025	0.002	0.410508	ug/L
Se	77	225.008	-0.000	0.018098	ug/L
Se	82	7.507	-0.000	-0.035884	ug/L
> Rh	103	451219.986	451219.986		ug/L
Ag	107	367.013	0.001	0.031053	ug/L
Cd	111	12.300	0.000	0.003834	ug/L
Cd	114	17.282	0.000	0.001108	ug/L
> In	115	360110.122	360110.122		ug/L
Sb	121	446.018	0.001	0.042926	ug/L
Sb	123	356.131	0.001	0.048149	ug/L
Tl	203	55.001	-0.000	0.000587	ug/L
Tl	205	114.002	-0.000	-0.000971	ug/L
Pb	208	1038.040	0.000	0.001084	ug/L
> Bi	209	436146.404	436146.404		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	588615.981	55773.220		ug/L
V	51	4688.988	0.002	0.088856	ug/L
Cr	52	13505.862	0.004	0.181238	ug/L
Cr	53	2381.421	-0.001	-0.317612	ug/L
Co	59	1608.197	0.004	0.126783	ug/L
Cu	63	1358.143	0.003	0.180581	ug/L
Cu	65	408.016	0.001	0.085904	ug/L
Zn	66	10321.586	0.018	4.392360	ug/L
Zn	68	8609.271	0.015	5.241412	ug/L
> Ge	72	391294.886	391294.886		ug/L
As	75	1287.131	0.002	0.409066	ug/L
Se	77	238.008	0.000	0.063444	ug/L
Se	82	35.706	0.000	0.092429	ug/L
> Rh	103	444083.413	444083.413		ug/L
Ag	107	263.007	0.001	0.022126	ug/L
Cd	111	1.428	-0.000	-0.000286	ug/L
Cd	114	17.528	0.000	0.001211	ug/L
> In	115	355498.178	355498.178		ug/L
Sb	121	413.016	0.001	0.039783	ug/L
Sb	123	362.383	0.001	0.047858	ug/L
Tl	203	53.001	-0.000	-0.000873	ug/L
Tl	205	123.002	0.000	-0.000408	ug/L
Pb	208	980.036	0.000	-0.000151	ug/L
> Bi	209	426506.548	426506.548		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	589126.334	56383.593		ug/L
V	51	4399.983	0.002	0.085113	ug/L
Cr	52	13388.866	0.004	0.183058	ug/L
Cr	53	2280.387	-0.001	-0.384878	ug/L
Co	59	1638.204	0.004	0.130479	ug/L
Cu	63	1311.133	0.003	0.174744	ug/L
Cu	65	444.018	0.001	0.100215	ug/L
Zn	66	10269.509	0.018	4.436520	ug/L
Zn	68	8357.971	0.015	5.094843	ug/L
> Ge	72	387341.890	387341.890		ug/L
As	75	1313.197	0.002	0.428611	ug/L
Se	77	214.006	0.000	-0.057064	ug/L
Se	82	6.348	0.000	0.098683	ug/L
> Rh	103	439498.849	439498.849		ug/L
Ag	107	183.004	0.000	0.015026	ug/L
Cd	111	9.202	0.000	0.002751	ug/L
Cd	114	21.555	0.000	0.001822	ug/L
> In	115	345668.816	345668.816		ug/L
Sb	121	348.012	0.001	0.032691	ug/L
Sb	123	303.877	0.001	0.039874	ug/L
Tl	203	50.001	0.000	-0.001008	ug/L
Tl	205	101.002	-0.000	0.001486	ug/L
Pb	208	991.037	0.000	0.000218	ug/L
> Bi	209	426884.578	426884.578		ug/L

Sample ID: 1001142-01
Report Date/Time: Thursday, January 21, 2010 15:57:04

Sample Information

Sample ID: 1001177-07
Autosampler Position: 30
Sample Date/Time: Thursday, January 21, 2010 15:59:16
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\1001177-07.026
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	604537.749	71795.008				ug/L
⌈	V	51	4644.831	0.002	0.085714	0.014	16.369	ug/L
|	Cr	52	13148.223	0.004	0.153479	0.808	5.521	ug/L
|	Cr	53	2221.034	-0.001	-0.442565	0.052	11.742	ug/L
|	Co	59	1218.116	0.003	0.095278	0.005	5.103	ug/L
|	Cu	63	1485.503	0.003	0.204314	0.005	2.364	ug/L
|	Cu	65	513.024	0.001	0.124364	0.013	10.459	ug/L
|	Zn	66	3287.790	-0.000	-0.040028	0.026	63.875	ug/L
|	Zn	68	3194.746	0.001	0.474652	0.065	13.596	ug/L
\>	Ge	72	388558.479	388558.479				ug/L
|	As	75	898.292	0.001	0.219300	0.048	21.853	ug/L
|	Se	77	223.672	-0.000	-0.000910	0.126	13855.695	ug/L
⌊	Se	82	3.398	-0.000	-0.053928	0.016	30.483	ug/L
⌈>	Rh	103	441889.609	441889.609				ug/L
|	Ag	107	75.668	0.000	0.005132	0.000	0.537	ug/L
|	Cd	111	7.001	0.000	0.001880	0.001	50.139	ug/L
⌊	Cd	114	34.964	0.000	0.004208	0.000	8.641	ug/L
⌈>	In	115	350258.166	350258.166				ug/L
|	Sb	121	755.381	0.002	0.082304	0.002	2.501	ug/L
⌊	Sb	123	590.065	0.002	0.085255	0.009	10.664	ug/L
⌈	Tl	203	45.667	-0.000	-0.001506	0.000	18.595	ug/L
|	Tl	205	98.002	-0.000	-0.001651	0.000	25.075	ug/L
|	Pb	208	914.365	-0.000	-0.002569	0.002	74.714	ug/L
⌊>	Bi	209	428659.221	428659.221				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	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	96.965
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.834

	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	96.564
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	98.505

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	604961.494	72218.753		ug/L
V	51	4888.480	0.003	0.101348	ug/L
Cr	52	13315.533	0.004	0.150777	ug/L
Cr	53	2184.356	-0.001	-0.502562	ug/L
Co	59	1193.112	0.003	0.091727	ug/L
Cu	63	1537.181	0.003	0.209469	ug/L
Cu	65	478.021	0.001	0.109350	ug/L
Zn	66	3348.817	-0.000	-0.033892	ug/L
Zn	68	3156.736	0.001	0.401393	ug/L
> Ge	72	394280.802	394280.802		ug/L
As	75	998.372	0.001	0.262288	ug/L
Se	77	203.006	-0.000	-0.146608	ug/L
Se	82	-0.348	0.000	-0.071146	ug/L
> Rh	103	445848.883	445848.883		ug/L
Ag	107	78.001	0.000	0.006100	ug/L
Cd	111	7.857	0.000	0.002182	ug/L
Cd	114	37.727	0.000	0.004628	ug/L
> In	115	354818.579	354818.579		ug/L
Sb	121	747.047	0.002	0.080101	ug/L
Sb	123	592.149	0.002	0.084372	ug/L
Tl	203	48.001	0.000	0.001304	ug/L
Tl	205	93.002	-0.000	-0.001946	ug/L
Pb	208	901.031	0.000	0.003375	ug/L
> Bi	209	433240.278	433240.275		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	609188.998	76444.258		ug/L
V	51	4578.246	0.002	0.061581	ug/L
Cr	52	13023.993	0.004	0.146667	ug/L
Cr	53	2246.376	0.001	0.411834	ug/L
Co	59	1189.111	0.003	0.093288	ug/L
Cu	63	1453.182	0.003	0.199883	ug/L
Cu	65	531.025	0.001	0.131527	ug/L
Zn	66	3228.782	-0.000	-0.068108	ug/L
Zn	68	3234.765	0.002	0.523084	ug/L
> Ge	72	386770.116	386770.116		ug/L
As	75	790.540	0.001	0.187627	ug/L
Se	77	235.008	0.000	0.074081	ug/L
Se	82	3.781	0.000	-0.062237	ug/L
> Rh	103	437305.140	437305.140		ug/L
Ag	107	75.001	0.000	0.006142	ug/L
Cd	111	8.857	0.000	0.002633	ug/L
Cd	114	33.392	0.000	0.004000	ug/L
> In	115	348527.181	348527.181		ug/L
Sb	121	767.049	0.002	0.084179	ug/L
Sb	123	648.029	0.002	0.094756	ug/L
Tl	203	47.001	0.000	0.001388	ug/L
Tl	205	95.002	-0.000	-0.001828	ug/L
Pb	208	880.030	-0.000	0.003953	ug/L
> Bi	209	431249.013	431248.013		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	599464.753	66722.012		ug/L
V	51	4468.788	0.002	0.074214	ug/L
Cr	52	13105.142	0.004	0.162978	ug/L
Cr	53	2232.371	0.001	-0.413298	ug/L
Co	59	1272.126	0.003	0.100818	ug/L
Cu	63	1468.165	0.003	0.203580	ug/L
Cu	65	530.025	0.001	0.132218	ug/L
Zn	66	3288.790	0.000	0.018086	ug/L
Zn	68	3190.744	0.001	0.499478	ug/L
> Ge	72	384644.816	384644.816		ug/L
As	75	908.964	0.001	0.227986	ug/L
Se	77	233.008	0.000	0.069687	ug/L
Se	82	6.758	0.000	0.036400	ug/L
> Rh	103	442514.806	442514.806		ug/L
Ag	107	76.001	0.000	0.005152	ug/L
Cd	111	4.789	0.000	0.000823	ug/L
Cd	114	33.773	0.000	0.003987	ug/L
> In	115	347428.738	347426.738		ug/L
Sb	121	752.047	0.002	0.082631	ug/L
Sb	123	532.018	0.001	0.076638	ug/L
Tl	203	42.001	0.000	0.001828	ug/L
Tl	205	106.002	-0.000	-0.001177	ug/L
Pb	208	962.036	-0.000	0.000378	ug/L
> Bi	209	421488.376	421488.376		ug/L

00643

Sample Information

Sample ID: 1000386-MS1
Autosampler Position: 31
Sample Date/Time: Thursday, January 21, 2010 16:03:17
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\1000386-MS1.027
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	596460.553	63717.812				ug/L
⌈	V	51	105382.975	0.263	9.154190	0.163	1.776	ug/L
|	Cr	52	98661.717	0.225	9.217491	0.115	1.252	ug/L
|	Cr	53	12574.184	0.025	8.626379	0.156	1.806	ug/L
|	Co	59	107032.030	0.276	8.935241	0.177	1.983	ug/L
|	Cu	63	52468.535	0.135	9.101247	0.193	2.118	ug/L
|	Cu	65	25154.132	0.065	8.916431	0.173	1.941	ug/L
|	Zn	66	16148.063	0.033	8.183661	0.230	2.808	ug/L
|	Zn	68	12704.750	0.026	8.978972	0.020	0.224	ug/L
|>	Ge	72	387279.204	387279.204				ug/L
|	As	75	18573.435	0.047	9.069567	0.154	1.694	ug/L
|	Se	77	1527.512	0.003	8.017261	0.562	7.013	ug/L
⌊	Se	82	1853.900	0.005	8.432598	0.331	3.926	ug/L
⌈>	Rh	103	437507.762	437507.762				ug/L
|	Ag	107	93835.644	0.214	8.656326	0.094	1.085	ug/L
|	Cd	111	21639.527	0.049	8.477705	0.169	1.990	ug/L
⌊	Cd	114	50902.123	0.116	8.849900	0.129	1.454	ug/L
⌈>	In	115	348921.449	348921.449				ug/L
|	Sb	121	79486.643	0.228	9.728263	0.110	1.131	ug/L
⌊	Sb	123	60417.986	0.173	9.724858	0.099	1.023	ug/L
⌈	Tl	203	80800.597	0.191	8.952291	0.166	1.856	ug/L
|	Tl	205	193051.742	0.457	9.530515	0.227	2.381	ug/L
|	Pb	208	260765.031	0.615	9.093933	0.074	0.809	ug/L
⌊>	Bi	209	422401.987	422401.987				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	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	96.646
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.834

	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	96.195
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	97.067

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	595807.778	63165.034		ug/L
V	51	105283.294	0.258	8.994966	ug/L
Cr	52	99211.234	0.222	9.109589	ug/L
Cr	53	12606.239	0.026	8.479056	ug/L
Co	59	106272.781	0.270	8.730887	ug/L
Cu	63	52150.202	0.132	8.901042	ug/L
Cu	65	24996.912	0.063	8.718508	ug/L
Zn	66	16113.316	0.032	7.998052	ug/L
Zn	68	12690.750	0.026	8.964006	ug/L
> Ge	72	393463.289	393463.289		ug/L
As	75	18532.038	0.046	8.901868	ug/L
Se	77	1456.163	0.003	7.433882	ug/L
Se	82	1826.397	0.006	8.185226	ug/L
> Rh	103	437778.750	437778.750		ug/L
Ag	107	92798.858	0.212	8.555302	ug/L
Cd	111	22075.095	0.050	8.843535	ug/L
Cd	114	51014.982	0.117	8.863462	ug/L
> In	115	349088.701	349088.701		ug/L
Sb	121	78547.287	0.225	9.609008	ug/L
Sb	123	59730.799	0.171	9.610084	ug/L
Tl	203	80458.411	0.187	8.781127	ug/L
Tl	205	191820.422	0.446	9.306284	ug/L
Pb	208	262872.239	0.609	9.010498	ug/L
> Bi	209	429707.110	429707.110		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	597549.830	64807.080		ug/L
V	51	106235.331	0.267	9.319882	ug/L
Cr	52	98884.750	0.226	9.339186	ug/L
Cr	53	12439.848	0.025	8.610688	ug/L
Co	59	107208.584	0.279	9.032729	ug/L
Cu	63	53033.880	0.137	9.285800	ug/L
Cu	65	25265.859	0.065	9.039886	ug/L
Zn	66	16397.985	0.034	8.440867	ug/L
Zn	68	12811.249	0.026	9.001777	ug/L
> Ge	72	383663.575	383663.575		ug/L
As	75	18668.440	0.047	9.203031	ug/L
Se	77	1521.177	0.003	8.062228	ug/L
Se	82	1918.320	0.005	8.808878	ug/L
> Rh	103	440525.283	440525.283		ug/L
Ag	107	94864.101	0.215	8.672742	ug/L
Cd	111	21801.841	0.049	8.463268	ug/L
Cd	114	50475.380	0.116	8.714981	ug/L
> In	115	350087.839	350087.839		ug/L
Sb	121	79931.540	0.228	9.750033	ug/L
Sb	123	60993.037	0.174	9.784755	ug/L
Tl	203	81541.602	0.194	9.062370	ug/L
Tl	205	192383.749	0.457	9.525218	ug/L
Pb	208	260731.210	0.617	9.121798	ug/L
> Bi	209	421026.279	421026.279		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	595924.063	63181.312		ug/L
V	51	104630.299	0.262	9.147722	ug/L
Cr	52	97889.168	0.224	9.203690	ug/L
Cr	53	12677.387	0.026	8.769390	ug/L
Co	59	107817.717	0.280	9.042308	ug/L
Cu	63	52221.723	0.135	9.117099	ug/L
Cu	65	25196.626	0.065	8.990837	ug/L
Zn	66	15932.909	0.033	8.112273	ug/L
Zn	68	12612.251	0.026	8.971133	ug/L
> Ge	72	384720.749	384720.749		ug/L
As	75	18521.826	0.047	9.104003	ug/L
Se	77	1605.196	0.004	8.555873	ug/L
Se	82	1813.983	0.006	8.302681	ug/L
> Rh	103	434221.244	434221.244		ug/L
Ag	107	94042.971	0.217	8.740935	ug/L
Cd	111	21041.646	0.048	8.306318	ug/L
Cd	114	51216.029	0.118	8.971277	ug/L
> In	115	347608.006	347608.006		ug/L
Sb	121	79981.081	0.230	9.825748	ug/L
Sb	123	60530.121	0.174	9.778756	ug/L
Tl	203	80401.778	0.193	9.033374	ug/L
Tl	205	194971.068	0.468	9.780042	ug/L
Pb	208	258681.645	0.619	9.149503	ug/L
> Bi	209	418472.571	418472.571		ug/L

Sample ID: 1000386-MS1
Report Date/Time: Thursday, January 21, 2010 16:05:08

Sample Information

Sample ID: 1000386-MSD1
Autosampler Position: 32
Sample Date/Time: Thursday, January 21, 2010 16:07:20
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\1000386-MSD1.028
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	600176.015	67433.274				ug/L
⌈	V	51	110878.643	0.280	9.748259	0.141	1.442	ug/L
|	Cr	52	103464.385	0.240	9.835762	0.159	1.618	ug/L
|	Cr	53	12889.749	0.027	9.015096	0.078	0.865	ug/L
|	Co	59	112167.001	0.292	9.457082	0.133	1.409	ug/L
|	Cu	63	55899.795	0.145	9.795807	0.044	0.446	ug/L
|	Cu	65	26302.938	0.068	9.418864	0.045	0.473	ug/L
|	Zn	66	17272.708	0.036	9.011129	0.278	3.083	ug/L
|	Zn	68	13345.256	0.028	9.671008	0.128	1.324	ug/L
|>	Ge	72	383434.485	383434.485				ug/L
|	As	75	19480.399	0.050	9.620991	0.227	2.361	ug/L
|	Se	77	1613.865	0.004	8.642539	0.091	1.053	ug/L
⌊	Se	82	1917.640	0.005	8.812557	0.312	3.541	ug/L
⌈>	Rh	103	432963.763	432963.763				ug/L
|	Ag	107	98584.109	0.228	9.191678	0.254	2.762	ug/L
|	Cd	111	23197.095	0.054	9.183757	0.015	0.158	ug/L
⌊	Cd	114	53671.335	0.124	9.429649	0.097	1.028	ug/L
⌈>	In	115	347254.295	347254.295				ug/L
|	Sb	121	81826.518	0.235	10.063981	0.128	1.276	ug/L
⌊	Sb	123	61821.462	0.178	9.999913	0.133	1.327	ug/L
⌈	Tl	203	84099.151	0.194	9.093852	0.060	0.660	ug/L
|	Tl	205	203253.094	0.469	9.793645	0.107	1.093	ug/L
|	Pb	208	276640.215	0.637	9.418880	0.072	0.760	ug/L
⌊>	Bi	209	432704.979	432704.979				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	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	95.686
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.797

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	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	95.736
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	99.435

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

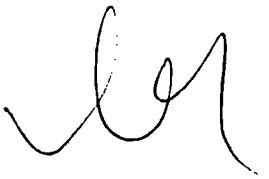
Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	599057.876	67214.935		ug/L
V	51	110288.728	0.278	9.569184	ug/L
Cr	52	103317.861	0.237	9.704306	ug/L
Cr	53	12930.823	0.026	8.931760	ug/L
Co	59	111725.103	0.298	9.320812	ug/L
Cu	63	56801.943	0.145	9.816717	ug/L
Cu	65	26529.440	0.068	9.400877	ug/L
Zn	66	17549.708	0.037	9.071788	ug/L
Zn	68	13419.728	0.028	9.811511	ug/L
> Ge	72	387473.763	387473.763		ug/L
As	75	18228.279	0.048	9.391128	ug/L
Se	77	1634.203	0.004	8.883287	ug/L
Se	82	1876.086	0.006	8.527803	ug/L
> Rh	103	437130.946	437130.946		ug/L
Ag	107	96568.330	0.221	8.915784	ug/L
Cd	111	23427.973	0.054	9.186681	ug/L
Cd	114	53773.998	0.123	9.356706	ug/L
> In	115	352297.369	352297.369		ug/L
Sb	121	52403.416	0.234	9.968748	ug/L
Sb	123	52187.883	0.176	9.910791	ug/L
Tl	203	84978.312	0.195	9.115758	ug/L
Tl	205	206453.925	0.471	9.819980	ug/L
Pb	208	278161.150	0.635	9.394345	ug/L
> Bi	209	438187.822	438187.822		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	605420.010	72677.269		ug/L
V	51	110549.816	0.281	9.800143	ug/L
Cr	52	102297.340	0.239	9.790322	ug/L
Cr	53	12878.725	0.027	9.086280	ug/L
Co	59	111431.568	0.293	9.463090	ug/L
Cu	63	55211.107	0.144	9.745698	ug/L
Cu	65	26252.417	0.069	9.469820	ug/L
Zn	66	17520.637	0.037	9.253848	ug/L
Zn	68	13410.711	0.028	9.818008	ug/L
> Ge	72	380863.243	380863.243		ug/L
As	75	19352.086	0.050	9.626529	ug/L
Se	77	1586.182	0.004	8.642984	ug/L
Se	82	1975.611	0.005	9.146107	ug/L
> Rh	103	435844.093	435844.093		ug/L
Ag	107	99779.087	0.229	9.243898	ug/L
Cd	111	23372.719	0.054	9.196476	ug/L
Cd	114	53796.576	0.123	9.392607	ug/L
> In	115	347067.498	347067.498		ug/L
Sb	121	51197.714	0.234	9.990913	ug/L
Sb	123	51403.788	0.177	9.938515	ug/L
Tl	203	85133.177	0.195	9.139864	ug/L
Tl	205	202283.300	0.464	9.875903	ug/L
Pb	208	277012.674	0.633	9.362761	ug/L
> Bi	209	435846.925	435846.925		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	596150.358	62407.619		ug/L
V	51	111699.388	0.283	9.856479	ug/L
Cr	52	104777.934	0.244	10.012660	ug/L
Cr	53	12881.698	0.027	9.027249	ug/L
Co	59	113344.331	0.298	9.587246	ug/L
Cu	63	55686.334	0.145	9.826008	ug/L
Cu	65	26126.957	0.068	9.386284	ug/L
Zn	66	16747.776	0.035	8.707970	ug/L
Zn	68	13205.327	0.028	9.583508	ug/L
> Ge	72	382178.448	382178.448		ug/L
As	75	19880.854	0.051	9.845321	ug/L
Se	77	1621.200	0.004	8.721398	ug/L
Se	82	1901.223	0.005	8.783761	ug/L
> Rh	103	426116.250	426116.250		ug/L
Ag	107	99408.929	0.233	9.415373	ug/L
Cd	111	22790.581	0.053	9.187933	ug/L
Cd	114	53443.531	0.125	9.539834	ug/L
> In	115	342398.019	342398.019		ug/L
Sb	121	51878.425	0.229	10.212284	ug/L
Sb	123	51682.736	0.181	10.152432	ug/L
Tl	203	82188.984	0.193	9.025848	ug/L
Tl	205	202022.058	0.474	9.885053	ug/L
Pb	208	274746.820	0.643	9.499534	ug/L
> Bi	209	426080.191	426080.191		ug/L



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Sample Information

Sample ID: 0A21031-SRD2
Autosampler Position: 33
Sample Date/Time: Thursday, January 21, 2010 16:14:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031..sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\0A21031-SRD2.029
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	594356.401	61613.660				ug/L
⌈	V	51	4191.140	0.001	0.041578	0.038	91.455	ug/L
|	Cr	52	12592.218	0.002	0.081439	0.034	41.678	ug/L
|	Cr	53	2041.980	-0.002	-0.617509	0.090	14.565	ug/L
|	Co	59	271.341	0.001	0.016202	0.001	7.707	ug/L
|	Cu	63	473.687	0.000	0.027588	0.003	11.657	ug/L
|	Cu	65	208.338	0.000	0.015170	0.002	15.691	ug/L
|	Zn	66	1049.754	-0.006	-1.471768	0.022	1.492	ug/L
|	Zn	68	1109.764	-0.004	-1.391898	0.059	4.221	ug/L
|>	Ge	72	392537.379	392537.379				ug/L
|	As	75	552.635	0.000	0.044581	0.046	103.054	ug/L
|	Se	77	210.672	-0.000	-0.095474	0.121	126.460	ug/L
⌊	Se	82	3.335	-0.000	-0.053280	0.239	447.738	ug/L
⌈>	Rh	103	454608.062	454608.062				ug/L
|	Ag	107	163.337	0.000	0.012738	0.003	25.647	ug/L
|	Cd	111	6.632	0.000	0.001655	0.002	116.494	ug/L
⌊	Cd	114	19.309	0.000	0.001418	0.001	93.023	ug/L
⌈>	In	115	358932.392	358932.392				ug/L
|	Sb	121	237.006	0.000	0.018327	0.000	0.347	ug/L
⌊	Sb	123	160.248	0.000	0.015657	0.003	19.075	ug/L
⌈	Tl	203	56.001	-0.000	0.000504	0.000	53.756	ug/L
|	Tl	205	138.003	0.000	0.000146	0.001	749.166	ug/L
|	Pb	208	703.020	-0.001	-0.010381	0.001	11.033	ug/L
⌊>	Bi	209	437851.949	437851.949				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	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	97.958
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	103.736

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	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.955
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	100.618

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	594858.670	61913.929		ug/L
V	51	3760.837	0.000	0.000088	ug/L
Cr	52	12338.771	0.001	0.042454	ug/L
Cr	53	2164.349	-0.002	-0.529452	ug/L
Co	59	275.008	0.001	0.016284	ug/L
Cu	63	458.019	0.000	0.024126	ug/L
Cu	65	216.006	0.000	0.017145	ug/L
Zn	66	1066.093	-0.006	-1.456391	ug/L
Zn	68	1045.087	-0.004	-1.458070	ug/L
> Ge	72	398324.156	398324.156		ug/L
As	75	516.322	0.000	0.023961	ug/L
Se	77	232.006	0.000	0.021219	ug/L
Se	82	-12.388	-0.000	-0.125012	ug/L
> Rh	103	451838.279	451838.279		ug/L
Ag	107	204.005	0.000	0.018448	ug/L
Cd	111	3.863	0.000	0.000827	ug/L
Cd	114	10.154	-0.000	-0.000098	ug/L
> In	115	356861.408	356861.408		ug/L
Sb	121	238.008	0.000	0.018371	ug/L
Sb	123	179.123	0.000	0.018770	ug/L
Tl	203	57.001	-0.000	-0.000448	ug/L
Tl	205	165.004	0.000	0.001371	ug/L
Pb	208	678.019	0.001	0.011424	ug/L
> Bi	209	441801.811	441801.811		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	590468.428	57722.887		ug/L
V	51	4298.614	0.001	0.050345	ug/L
Cr	52	12825.633	0.003	0.104427	ug/L
Cr	53	1937.282	-0.002	-0.708217	ug/L
Co	59	256.007	0.000	0.014916	ug/L
Cu	63	491.022	0.000	0.030462	ug/L
Cu	65	201.006	0.000	0.012527	ug/L
Zn	66	1011.082	-0.006	-1.496712	ug/L
Zn	68	1134.101	-0.004	-1.371738	ug/L
> Ge	72	392898.429	392898.429		ug/L
As	75	486.792	0.000	0.012570	ug/L
Se	77	212.005	0.000	-0.087757	ug/L
Se	82	-39.418	-0.000	0.247739	ug/L
> Rh	103	457690.886	457690.886		ug/L
Ag	107	150.003	0.000	0.011449	ug/L
Cd	111	12.594	0.000	0.003878	ug/L
Cd	114	23.291	0.000	0.002082	ug/L
> In	115	358559.438	358559.438		ug/L
Sb	121	237.008	0.000	0.018356	ug/L
Sb	123	141.998	0.000	0.012816	ug/L
Tl	203	58.001	-0.000	0.000266	ug/L
Tl	205	119.002	-0.000	-0.000732	ug/L
Pb	208	695.020	0.001	-0.010563	ug/L
> Bi	209	436130.474	436130.474		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	597947.104	65204.383		ug/L
V	51	4515.970	0.002	0.074453	ug/L
Cr	52	12612.251	0.002	0.087436	ug/L
Cr	53	2024.307	-0.002	0.613880	ug/L
Co	59	283.008	0.001	0.017408	ug/L
Cu	63	472.020	0.000	0.026156	ug/L
Cu	65	208.006	0.000	0.015838	ug/L
Zn	66	1052.086	-0.006	-1.463202	ug/L
Zn	68	1150.104	-0.004	-1.345889	ug/L
> Ge	72	388389.553	388389.553		ug/L
As	75	652.790	0.001	0.097222	ug/L
Se	77	188.004	-0.000	0.219883	ug/L
Se	82	61.793	0.000	0.212911	ug/L
> Rh	103	454295.020	454295.020		ug/L
Ag	107	136.003	0.000	0.010304	ug/L
Cd	111	3.438	0.000	0.000456	ug/L
Cd	114	24.482	0.000	0.002291	ug/L
> In	115	361378.328	361378.328		ug/L
Sb	121	238.008	0.000	0.018254	ug/L
Sb	123	159.626	0.000	0.015386	ug/L
Tl	203	53.001	-0.000	-0.000798	ug/L
Tl	205	130.002	0.000	0.000201	ug/L
Pb	208	736.022	-0.001	-0.009156	ug/L
> Bi	209	435823.562	435823.562		ug/L

Sample Information

Sample ID: 1000386-PS1
Autosampler Position: 34
Sample Date/Time: Thursday, January 21, 2010 16:18:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\1000386-PS1.030
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	604834.775	72092.034				ug/L
⌈	V	51	229120.643	0.589	20.515527	0.296	1.443	ug/L
|	Cr	52	199887.622	0.492	20.172036	0.175	0.868	ug/L
|	Cr	53	24468.762	0.057	19.269248	0.276	1.432	ug/L
|	Co	59	233710.331	0.610	19.728243	0.104	0.528	ug/L
|	Cu	63	113931.304	0.297	20.039753	0.146	0.729	ug/L
|	Cu	65	54490.288	0.142	19.592169	0.181	0.924	ug/L
|	Zn	66	32352.761	0.076	18.760373	0.148	0.788	ug/L
|	Zn	68	24571.774	0.057	19.820081	0.193	0.972	ug/L
|>	Ge	72	383098.286	383098.286				ug/L
|	As	75	39294.636	0.101	19.655560	0.122	0.621	ug/L
|	Se	77	3100.704	0.008	17.882865	0.539	3.012	ug/L
⌊	Se	82	3987.638	0.010	18.413831	0.152	0.828	ug/L
⌈>	Rh	103	434424.105	434424.105				ug/L
|	Ag	107	209737.246	0.483	19.489064	0.238	1.223	ug/L
|	Cd	111	47576.272	0.110	18.774928	0.204	1.086	ug/L
⌊	Cd	114	110688.950	0.255	19.381116	0.117	0.606	ug/L
⌈>	In	115	348363.532	348363.532				ug/L
|	Sb	121	150962.228	0.433	18.520162	0.496	2.680	ug/L
⌊	Sb	123	114845.786	0.330	18.529912	0.515	2.777	ug/L
⌈	Tl	203	177990.561	0.415	19.419838	0.208	1.073	ug/L
|	Tl	205	428616.936	0.999	20.833734	0.272	1.306	ug/L
|	Pb	208	579548.296	1.348	19.936451	0.299	1.498	ug/L
⌊>	Bi	209	429074.128	429074.128				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	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	95.602
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.130

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	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	96.041
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	98.601

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	603868.723	71215.982		ug/L
V	51	230298.667	0.586	20.405808	ug/L
Cr	52	200270.748	0.487	19.991963	ug/L
Cr	53	25084.113	0.058	19.580924	ug/L
Co	59	235018.080	0.607	19.634602	ug/L
Cu	63	114177.481	0.294	19.876256	ug/L
Cu	65	54542.987	0.140	19.408270	ug/L
Zn	66	32537.283	0.076	18.983037	ug/L
Zn	68	24886.527	0.057	19.873241	ug/L
Ge	72	387063.382	387063.382		ug/L
As	75	39827.306	0.101	19.617574	ug/L
Se	77	3122.714	0.007	17.823819	ug/L
Se	82	4031.318	0.010	18.423884	ug/L
Rh	103	439602.037	439602.037		ug/L
Ag	107	211456.388	0.481	19.420089	ug/L
Cd	111	47880.222	0.109	18.874848	ug/L
Cd	114	112781.144	0.257	19.516852	ug/L
In	115	354251.941	354251.941		ug/L
Sb	121	148029.101	0.420	17.973188	ug/L
Sb	123	113427.774	0.320	17.980563	ug/L
Tl	203	179058.318	0.410	19.187322	ug/L
Tl	205	423502.491	0.992	20.696386	ug/L
Pb	208	585176.684	1.337	19.771533	ug/L
Bi	209	436833.552	436833.562		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	606804.664	73061.924		ug/L
V	51	227549.788	0.582	20.290068	ug/L
Cr	52	200776.660	0.492	20.182433	ug/L
Cr	53	24271.409	0.056	19.012183	ug/L
Co	59	234411.627	0.609	19.709808	ug/L
Cu	63	115050.298	0.298	20.157774	ug/L
Cu	65	55202.037	0.143	19.771207	ug/L
Zn	66	32367.493	0.076	18.887577	ug/L
Zn	68	24430.964	0.057	19.606485	ug/L
Ge	72	384588.980	384588.980		ug/L
As	75	39253.729	0.101	19.536913	ug/L
Se	77	3203.750	0.008	18.448809	ug/L
Se	82	3999.284	0.010	18.256533	ug/L
Rh	103	435561.706	435561.706		ug/L
Ag	107	208182.266	0.478	19.282790	ug/L
Cd	111	47362.068	0.109	18.640389	ug/L
Cd	114	110586.458	0.254	19.315583	ug/L
In	115	349548.218	349548.218		ug/L
Sb	121	152547.245	0.436	18.645420	ug/L
Sb	123	115809.986	0.331	18.583740	ug/L
Tl	203	178762.031	0.418	19.589562	ug/L
Tl	205	433130.932	1.014	21.147137	ug/L
Pb	208	586941.178	1.372	20.281184	ug/L
Bi	209	427158.851	427158.851		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	604740.938	71998.197		ug/L
V	51	229513.486	0.598	20.650709	ug/L
Cr	52	198815.461	0.496	20.341725	ug/L
Cr	53	24060.764	0.057	19.234667	ug/L
Co	59	231701.268	0.613	19.840419	ug/L
Cu	63	112566.162	0.297	20.086227	ug/L
Cu	65	53725.831	0.142	19.598030	ug/L
Zn	66	32153.528	0.077	18.930508	ug/L
Zn	68	24397.840	0.058	19.980517	ug/L
Ge	72	377641.495	377641.495		ug/L
As	75	39002.875	0.102	19.792192	ug/L
Se	77	2975.649	0.007	17.376168	ug/L
Se	82	3962.318	0.010	18.580988	ug/L
Rh	103	428218.573	428218.573		ug/L
Ag	107	209573.078	0.488	19.754314	ug/L
Cd	111	47486.538	0.111	19.009447	ug/L
Cd	114	108709.252	0.254	19.311114	ug/L
In	115	341290.437	341290.437		ug/L
Sb	121	151310.338	0.443	18.941878	ug/L
Sb	123	115498.600	0.338	19.015433	ug/L
Tl	203	176151.334	0.416	19.482630	ug/L
Tl	205	418217.384	0.980	20.867979	ug/L
Pb	208	566527.047	1.336	19.756836	ug/L
Bi	209	423229.981	423229.981		ug/L

Sample ID: 1000386-PS1
Report Date/Time: Thursday, January 21, 2010 16:20:46

Sample Information

Sample ID: 1001177-09
Autosampler Position: 35
Sample Date/Time: Thursday, January 21, 2010 16:26:28
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\1001177-09.031
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	597081.585	64338.844				ug/L
⌈	V	51	8759.566	0.013	0.468324	0.003	0.678	ug/L
|	Cr	52	24397.507	0.034	1.385202	0.024	1.720	ug/L
|	Cr	53	3711.001	0.003	0.911933	0.030	3.301	ug/L
|	Co	59	4564.837	0.012	0.380380	0.009	2.316	ug/L
|	Cu	63	8783.819	0.022	1.499551	0.021	1.420	ug/L
|	Cu	65	3733.346	0.009	1.291781	0.022	1.719	ug/L
|	Zn	66	16562.346	0.035	8.591770	0.042	0.492	ug/L
|	Zn	68	12623.607	0.026	9.060281	0.150	1.660	ug/L
|>	Ge	72	382041.458	382041.458				ug/L
|	As	75	2623.273	0.006	1.102673	0.047	4.228	ug/L
|	Se	77	230.006	0.000	0.061022	0.066	108.050	ug/L
⌊	Se	82	33.895	0.000	0.088071	0.099	112.044	ug/L
⌈>	Rh	103	429366.080	429366.080				ug/L
|	Ag	107	342.013	0.001	0.030325	0.013	42.376	ug/L
|	Cd	111	32.823	0.000	0.012240	0.007	55.801	ug/L
⌊	Cd	114	65.335	0.000	0.009772	0.001	14.868	ug/L
⌈>	In	115	344246.179	344246.179				ug/L
|	Sb	121	724.711	0.002	0.080082	0.001	1.701	ug/L
⌊	Sb	123	551.188	0.001	0.080555	0.005	6.359	ug/L
⌈	Tl	203	72.001	0.000	0.001367	0.000	16.599	ug/L
|	Tl	205	166.670	0.000	0.001679	0.000	27.889	ug/L
|	Pb	208	13437.713	0.029	0.429052	0.005	1.190	ug/L
⌊>	Bi	209	428929.889	428929.889				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	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	95.339
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	97.976

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	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	94.906
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	98.568

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	590780 898	67037 957		ug/L
V	51	8798 611	0 013	0 485798	ug/L
Cr	52	24398 847	0 033	1 366533	ug/L
Cr	53	3775 036	0 003	0 943531	ug/L
Co	59	4480 450	0 011	0 370324	ug/L
Cu	63	8718 408	0 022	1 476219	ug/L
Cu	65	3815 087	0 009	1 310974	ug/L
Zn	66	16656 562	0 035	8 570458	ug/L
Zn	68	12909 786	0 027	9 231628	ug/L
Ge	72	384984 873	384984 873		ug/L
As	75	2536 872	0 008	1 048986	ug/L
Se	77	226 008	0 000	0 025289	ug/L
Se	82	31 853	0 000	0 077332	ug/L
Rh	103	432183 013	432183 013		ug/L
Ag	107	498 022	0 001	0 044848	ug/L
Cd	111	52 853	0 000	0 020128	ug/L
Cd	114	57 187	0 000	0 008267	ug/L
In	115	348419 580	348419 580		ug/L
Sb	121	745 046	0 002	0 081509	ug/L
Sb	123	562 768	0 001	0 078741	ug/L
Tl	203	74 001	0 000	0 001477	ug/L
Tl	205	178 004	0 000	0 002184	ug/L
Pb	208	13696 238	0 029	0 431523	ug/L
Bi	209	434841 317	434841 317		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	600726 611	67986 871		ug/L
V	51	8726 640	0 013	0 467286	ug/L
Cr	52	24274 420	0 034	1 378389	ug/L
Cr	53	3697 984	0 003	0 908873	ug/L
Co	59	4597 525	0 012	0 384075	ug/L
Cu	63	8790 494	0 022	1 504488	ug/L
Cu	65	3738 015	0 009	1 298913	ug/L
Zn	66	16598 424	0 035	8 640484	ug/L
Zn	68	12524 098	0 028	8 999012	ug/L
Ge	72	381094 887	381094 887		ug/L
As	75	2666 484	0 008	1 127753	ug/L
Se	77	223 008	0 000	0 020687	ug/L
Se	82	13 907	-0 000	-0 004798	ug/L
Rh	103	428280 103	428280 103		ug/L
Ag	107	304 010	0 001	0 028873	ug/L
Cd	111	23 122	0 000	0 008417	ug/L
Cd	114	72 978	0 000	0 011154	ug/L
In	115	343556 634	343556 634		ug/L
Sb	121	722 044	0 002	0 079041	ug/L
Sb	123	583 528	0 002	0 088036	ug/L
Tl	203	69 001	0 000	0 001109	ug/L
Tl	205	158 003	0 000	0 001230	ug/L
Pb	208	13419 087	0 029	0 432451	ug/L
Bi	209	425225 436	425225 436		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	590735 445	57992 704		ug/L
V	51	8753 447	0 014	0 471888	ug/L
Cr	52	24518 253	0 034	1 411703	ug/L
Cr	53	3659.974	0 003	0 883584	ug/L
Co	59	4616 538	0 012	0 386740	ug/L
Cu	63	8842.558	0 022	1 517937	ug/L
Cu	65	3646 987	0 009	1 267456	ug/L
Zn	66	16435 060	0 035	8 564386	ug/L
Zn	68	12438 842	0 026	8 950202	ug/L
Ge	72	380074 613	380074 613		ug/L
As	75	2666 463	0 008	1 131383	ug/L
Se	77	241 008	0 000	0 137110	ug/L
Se	82	55 928	0 000	0 191879	ug/L
Rh	103	427835 123	427835 123		ug/L
Ag	107	226 008	0 000	0 019563	ug/L
Cd	111	22.493	0 000	0 008178	ug/L
Cd	114	65 841	0 000	0 009804	ug/L
In	115	340782 344	340782 344		ug/L
Sb	121	707 042	0 002	0 078798	ug/L
Sb	123	517 269	0 001	0 075888	ug/L
Tl	203	73 001	0 000	0 001618	ug/L
Tl	205	165 004	0 000	0 001643	ug/L
Pb	208	13198 837	0 029	0 423183	ug/L
Bi	209	426722 913	426722 913		ug/L

00653

Sample Information

Sample ID: 1001177-11
Autosampler Position: 36
Sample Date/Time: Thursday, January 21, 2010 16:30:32
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\1001177-11.032
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	601957.786	69215.045				ug/L
⌈	V	51	7420.485	0.010	0.358901	0.028	7.873	ug/L
|	Cr	52	20791.758	0.025	1.040293	0.037	3.523	ug/L
|	Cr	53	3134.720	0.001	0.453856	0.121	26.668	ug/L
|	Co	59	3741.350	0.010	0.316602	0.003	0.818	ug/L
|	Cu	63	6218.768	0.016	1.066692	0.016	1.521	ug/L
|	Cu	65	2582.826	0.006	0.893556	0.017	1.851	ug/L
|	Zn	66	16258.314	0.035	8.593918	0.161	1.877	ug/L
|	Zn	68	12596.557	0.027	9.252393	0.155	1.677	ug/L
|>	Ge	72	374971.726	374971.726				ug/L
|	As	75	2451.307	0.005	1.038796	0.055	5.319	ug/L
|	Se	77	208.672	-0.000	-0.046483	0.150	321.764	ug/L
⌊	Se	82	47.925	0.000	0.157372	0.198	125.864	ug/L
⌈>	Rh	103	426435.186	426435.186				ug/L
|	Ag	107	106.002	0.000	0.008248	0.002	27.079	ug/L
|	Cd	111	11.773	0.000	0.003914	0.005	134.234	ug/L
⌊	Cd	114	54.073	0.000	0.007834	0.001	15.962	ug/L
⌈>	In	115	343467.879	343467.879				ug/L
|	Sb	121	446.685	0.001	0.045692	0.002	3.854	ug/L
⌊	Sb	123	358.966	0.001	0.049293	0.004	7.480	ug/L
⌈	Tl	203	65.001	0.000	0.000696	0.001	109.978	ug/L
|	Tl	205	153.670	0.000	0.001137	0.001	54.319	ug/L
|	Pb	208	11531.076	0.025	0.368256	0.006	1.754	ug/L
⌊>	Bi	209	423743.832	423743.832				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	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	93.574
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	97.307

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	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	94.692
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	97.376

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	597873.588	84930.828		ug/L
V	51	7681.988	0.011	0.374318	ug/L
Cr	52	20750.304	0.025	1.007163	ug/L
Cr	53	3121.713	0.001	0.406233	ug/L
Co	59	3778.037	0.010	0.315688	ug/L
Cu	63	5211.762	0.016	1.051344	ug/L
Cu	65	2581.492	0.008	0.861084	ug/L
Zn	66	16453.082	0.035	8.586483	ug/L
Zn	68	12698.386	0.027	9.180263	ug/L
Ge	72	379708.801	379708.801		ug/L
As	75	2498.816	0.006	1.045638	ug/L
Se	77	164.004	-0.000	-0.218612	ug/L
Se	82	67.942	0.000	0.248128	ug/L
Rh	103	429847.680	429847.680		ug/L
Ag	107	179.002	0.000	0.010340	ug/L
Cd	111	-2.859	-0.000	0.001979	ug/L
Cd	114	81.588	0.000	0.009098	ug/L
In	115	345250.818	345250.818		ug/L
Sb	121	484.020	0.001	0.047563	ug/L
Sb	123	388.511	0.001	0.053488	ug/L
Tl	203	60.001	0.000	0.000066	ug/L
Tl	205	170.004	0.000	0.001941	ug/L
Pb	208	11462.714	0.024	0.360828	ug/L
Bi	209	429103.383	429103.383		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	600182.433	87439.693		ug/L
V	51	7519.941	0.011	0.376095	ug/L
Cr	52	20918.790	0.026	1.079668	ug/L
Cr	53	3250.772	0.002	0.581456	ug/L
Co	59	3733.013	0.010	0.319525	ug/L
Cu	63	5242.788	0.016	1.063662	ug/L
Cu	65	2604.501	0.007	0.912319	ug/L
Zn	66	16323.784	0.035	8.756808	ug/L
Zn	68	12645.310	0.027	9.428949	ug/L
Ge	72	370762.744	370762.744		ug/L
As	75	2522.229	0.006	1.060129	ug/L
Se	77	216.008	0.000	0.027398	ug/L
Se	82	75.880	0.000	0.293807	ug/L
Rh	103	423697.518	423697.518		ug/L
Ag	107	108.002	0.000	0.006809	ug/L
Cd	111	15.947	0.000	0.005813	ug/L
Cd	114	53.552	0.000	0.007806	ug/L
In	115	344873.371	344873.371		ug/L
Sb	121	435.018	0.001	0.044052	ug/L
Sb	123	351.131	0.001	0.047823	ug/L
Tl	203	63.001	0.000	0.000469	ug/L
Tl	205	144.003	0.000	0.000885	ug/L
Pb	208	11589.798	0.025	0.371382	ug/L
Bi	209	422568.483	422568.483		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	608017.355	75274.614		ug/L
V	51	7059.527	0.009	0.326289	ug/L
Cr	52	20708.181	0.025	1.034049	ug/L
Cr	53	3031.674	0.001	0.363879	ug/L
Co	59	3713.002	0.010	0.314563	ug/L
Cu	63	6201.753	0.016	1.065066	ug/L
Cu	65	2582.486	0.008	0.887269	ug/L
Zn	66	15998.056	0.034	8.436463	ug/L
Zn	68	12456.976	0.026	9.137987	ug/L
Ge	72	374445.633	374445.633		ug/L
As	75	2335.177	0.005	0.980321	ug/L
Se	77	224.008	0.000	0.051785	ug/L
Se	82	-0.047	-0.000	0.068818	ug/L
Rh	103	425980.348	425980.348		ug/L
Ag	107	81.001	0.000	0.005086	ug/L
Cd	111	22.230	0.000	0.008108	ug/L
Cd	114	47.068	0.000	0.006867	ug/L
In	115	340479.448	340479.448		ug/L
Sb	121	441.018	0.001	0.045470	ug/L
Sb	123	339.256	0.001	0.046569	ug/L
Tl	203	72.001	0.000	0.001544	ug/L
Tl	205	147.003	0.000	0.000886	ug/L
Pb	208	11540.719	0.025	0.372580	ug/L
Bi	209	419559.630	419559.630		ug/L

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Sample Information

Sample ID: 0A21031-CCV
Autosampler Position: 2
Sample Date/Time: Thursday, January 21, 2010 16:34:35
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\0A21031-CCV.033
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	589190.842	56448.101				ug/L
	V	51	431900.320	1.156	40.305730	0.171	0.424	ug/L
	Cr	52	385802.882	1.011	41.494803	0.196	0.473	ug/L
	Cr	53	46021.914	0.117	39.735610	0.276	0.694	ug/L
	Co	59	470709.414	1.271	41.098784	0.335	0.816	ug/L
	Cu	63	232804.880	0.628	42.409551	0.357	0.842	ug/L
	Cu	65	110628.612	0.298	41.201901	0.375	0.910	ug/L
	Zn	66	64876.624	0.167	41.196062	0.208	0.505	ug/L
	Zn	68	47662.306	0.122	42.144491	0.261	0.620	ug/L
>	Ge	72	370416.980	370416.980				ug/L
	As	75	80090.219	0.215	41.684075	0.284	0.682	ug/L
	Se	77	6553.404	0.017	40.723533	0.503	1.235	ug/L
	Se	82	8433.783	0.023	40.358578	0.107	0.265	ug/L
>	Rh	103	435232.528	435232.528				ug/L
	Ag	107	429861.008	0.988	39.871616	0.700	1.755	ug/L
	Cd	111	99601.667	0.229	39.233740	0.753	1.920	ug/L
	Cd	114	230280.697	0.529	40.250280	0.131	0.326	ug/L
>	In	115	343538.344	343538.344				ug/L
	Sb	121	310508.792	0.904	38.648981	1.881	4.866	ug/L
	Sb	123	236036.087	0.687	38.634260	1.611	4.171	ug/L
	Tl	203	361086.833	0.833	38.985682	0.869	2.229	ug/L
	Tl	205	866162.713	1.997	41.659849	0.654	1.570	ug/L
	Pb	208	1187679.554	2.737	40.458904	0.739	1.827	ug/L
>	Bi	209	433762.015	433762.015				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
	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	92.438
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.315

99656

	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	94.711
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	99.678

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	581115.003	58372.262		ug/L
V	51	434634.788	1.158	40.382488	ug/L
Cr	52	385923.088	1.008	41.268141	ug/L
Cr	53	45690.038	0.116	39.470246	ug/L
Co	59	476819.863	1.279	41.382317	ug/L
Cu	63	234899.186	0.630	42.550887	ug/L
Cu	65	111602.203	0.298	41.331773	ug/L
Zn	66	65529.871	0.167	41.387631	ug/L
Zn	68	48125.067	0.122	42.326186	ug/L
> Ge	72	372502.884	372502.884		ug/L
As	75	81131.262	0.217	41.981848	ug/L
Se	77	6587.102	0.017	40.702257	ug/L
Se	82	8500.785	0.023	40.461943	ug/L
> Rh	103	440080.678	440080.678		ug/L
Ag	107	426346.394	0.969	39.104962	ug/L
Cd	111	99181.282	0.225	38.633298	ug/L
Cd	114	232299.219	0.528	40.154388	ug/L
> In	115	350356.924	350356.924		ug/L
Sb	121	299824.059	0.856	38.547277	ug/L
Sb	123	229855.299	0.656	38.840131	ug/L
Tl	203	381178.757	0.812	38.006723	ug/L
Tl	205	874086.343	1.964	40.978878	ug/L
Pb	208	1193048.418	2.679	39.611588	ug/L
> Bi	209	444917.401	444917.401		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	569331.248	56588.508		ug/L
V	51	433071.674	1.160	40.441211	ug/L
Cr	52	388637.201	1.014	41.612691	ug/L
Cr	53	46308.074	0.118	40.020973	ug/L
Co	59	486180.468	1.259	40.728577	ug/L
Cu	63	230439.422	0.622	42.000533	ug/L
Cu	65	109428.942	0.295	40.778204	ug/L
Zn	66	64505.801	0.166	40.974893	ug/L
Zn	68	47312.648	0.121	41.845072	ug/L
> Ge	72	370191.210	370191.210		ug/L
As	75	79557.747	0.214	41.431531	ug/L
Se	77	6472.998	0.017	40.231611	ug/L
Se	82	8433.409	0.023	40.381807	ug/L
> Rh	103	432480.220	432480.220		ug/L
Ag	107	426926.201	0.992	40.033926	ug/L
Cd	111	101113.368	0.234	40.079001	ug/L
Cd	114	228621.836	0.528	40.196562	ug/L
> In	115	341178.995	341178.995		ug/L
Sb	121	313164.856	0.918	39.227134	ug/L
Sb	123	237378.155	0.696	39.103815	ug/L
Tl	203	357798.935	0.839	39.289417	ug/L
Tl	205	852713.472	2.000	41.717231	ug/L
Pb	208	1177410.862	2.758	40.795184	ug/L
> Bi	209	426358.080	426358.080		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	587126.274	54383.533		ug/L
V	51	427694.301	1.151	40.113482	ug/L
Cr	52	384848.356	1.014	41.603577	ug/L
Cr	53	45769.628	0.117	39.715611	ug/L
Co	59	489327.911	1.273	41.185458	ug/L
Cu	63	233078.054	0.632	42.674034	ug/L
Cu	65	110854.690	0.300	41.494725	ug/L
Zn	66	64584.398	0.167	41.225862	ug/L
Zn	68	47549.214	0.122	42.263206	ug/L
> Ge	72	368566.846	368566.846		ug/L
As	75	79581.647	0.215	41.628644	ug/L
Se	77	6600.114	0.017	41.236732	ug/L
Se	82	8387.154	0.023	40.241982	ug/L
> Rh	103	433126.688	433126.688		ug/L
Ag	107	434310.429	1.003	40.475876	ug/L
Cd	111	98510.353	0.227	38.988922	ug/L
Cd	114	230021.038	0.531	40.399889	ug/L
> In	115	339080.114	339080.114		ug/L
Sb	121	318737.480	0.940	40.172532	ug/L
Sb	123	241074.838	0.711	39.958803	ug/L
Tl	203	364284.807	0.847	39.861908	ug/L
Tl	205	871689.323	2.027	42.263438	ug/L
Pb	208	1192581.381	2.771	40.969981	ug/L
> Bi	209	430010.583	430010.583		ug/L

Sample Information

Sample ID: 0A21031-CCB
Autosampler Position: 1
Sample Date/Time: Thursday, January 21, 2010 16:42:06
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21031.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21031\0A21031-CCB.034
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	581601.630	48858.889				ug/L
⌈	V	51	4015.116	0.001	0.040475	0.011	27.772	ug/L
|	Cr	52	11852.612	0.001	0.055689	0.017	29.994	ug/L
|	Cr	53	1853.592	-0.002	-0.712613	0.065	9.107	ug/L
|	Co	59	72.334	0.000	0.000058	0.001	2447.675	ug/L
|	Cu	63	331.344	0.000	0.005473	0.002	38.901	ug/L
|	Cu	65	160.003	0.000	0.000494	0.003	612.296	ug/L
|	Zn	66	3346.817	0.000	0.064487	0.060	92.591	ug/L
|	Zn	68	2592.163	0.000	0.010028	0.065	648.685	ug/L
|>	Ge	72	376829.709	376829.709				ug/L
|	As	75	541.659	0.000	0.050037	0.015	29.521	ug/L
|	Se	77	176.671	-0.000	-0.254588	0.154	60.459	ug/L
⌊	Se	82	16.081	0.000	0.006628	0.044	659.488	ug/L
⌈>	Rh	103	446111.355	446111.355				ug/L
|	Ag	107	85.335	0.000	0.005940	0.001	15.798	ug/L
|	Cd	111	4.514	0.000	0.000894	0.002	169.104	ug/L
⌊	Cd	114	10.642	0.000	0.000002	0.001	27889.955	ug/L
⌈>	In	115	346869.345	346869.345				ug/L
|	Sb	121	849.726	0.002	0.094940	0.014	14.680	ug/L
⌊	Sb	123	643.324	0.002	0.094840	0.005	4.940	ug/L
⌈	Tl	203	55.001	-0.000	-0.000550	0.001	130.676	ug/L
|	Tl	205	131.669	-0.000	0.000094	0.001	812.023	ug/L
|	Pb	208	953.367	-0.000	-0.001624	0.000	17.311	ug/L
⌊>	Bi	209	433692.988	433692.988				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	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	94.038
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	101.797

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	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	95.630
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	99.662

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0A21031-CCB	Cr	53	
0A21031-CCB	Se	77	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	583058.288	50313.528		ug/L
V	51	4145.781	0.001	0.048416	ug/L
Cr	52	12021.227	0.001	0.052687	ug/L
Cr	53	1800.248	-0.002	-0.787837	ug/L
Co	59	66.001	0.000	-0.000588	ug/L
Cu	63	323.011	0.000	0.003017	ug/L
Cu	65	164.004	0.000	0.000998	ug/L
Zn	66	3299.786	0.000	0.002204	ug/L
Zn	68	2563.482	-0.000	-0.084161	ug/L
Ge	72	383066.730	383066.730		ug/L
As	75	563.488	0.000	0.057579	ug/L
Se	77	157.003	-0.000	0.396404	ug/L
Se	82	8.656	-0.000	-0.038743	ug/L
Rh	103	444612.249	444612.249		ug/L
Ag	107	96.002	0.000	0.006936	ug/L
Cd	111	8.564	0.000	0.002475	ug/L
Cd	114	8.312	-0.000	-0.000387	ug/L
In	115	340966.658	340966.658		ug/L
Sb	121	948.072	0.003	0.108981	ug/L
Sb	123	648.656	0.002	0.097501	ug/L
Tl	203	48.001	-0.000	-0.001357	ug/L
Tl	205	150.003	0.000	0.000711	ug/L
Pb	208	971.036	-0.000	-0.001390	ug/L
Bi	209	438579.856	438579.856		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	581828.610	48886.870		ug/L
V	51	4079.653	0.001	0.047498	ug/L
Cr	52	11685.668	0.001	0.040891	ug/L
Cr	53	1892.270	0.002	-0.674058	ug/L
Co	59	61.001	-0.000	-0.000912	ug/L
Cu	63	338.011	0.000	0.005804	ug/L
Cu	65	167.004	0.000	0.003233	ug/L
Zn	66	3368.827	0.000	0.082688	ug/L
Zn	68	2637.513	0.000	0.057301	ug/L
Ge	72	375888.376	375888.376		ug/L
As	75	507.249	0.000	0.033017	ug/L
Se	77	173.004	-0.000	-0.276462	ug/L
Se	82	16.884	0.000	0.010165	ug/L
Rh	103	441823.938	441823.938		ug/L
Ag	107	75.001	0.000	0.005072	ug/L
Cd	111	0.778	-0.000	-0.000536	ug/L
Cd	114	9.194	0.000	0.000228	ug/L
In	115	349810.429	349810.429		ug/L
Sb	121	856.080	0.002	0.094771	ug/L
Sb	123	965.680	0.002	0.097590	ug/L
Tl	203	57.001	-0.000	-0.000252	ug/L
Tl	205	128.002	-0.000	-0.000191	ug/L
Pb	208	944.034	-0.000	-0.001546	ug/L
Bi	209	428427.566	428427.566		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	580120.010	47377.268		ug/L
V	51	3819.904	0.001	0.027510	ug/L
Cr	52	11850.941	0.002	0.073690	ug/L
Cr	53	1868.263	0.002	0.678232	ug/L
Co	59	90.001	0.000	0.001673	ug/L
Cu	63	333.011	0.000	0.006597	ug/L
Cu	65	149.003	0.000	0.002750	ug/L
Zn	66	3373.830	0.000	0.112978	ug/L
Zn	68	2585.494	0.000	0.038944	ug/L
Ge	72	371568.021	371568.021		ug/L
As	75	552.241	0.000	0.056615	ug/L
Se	77	200.005	-0.000	0.090898	ug/L
Se	82	24.704	0.000	0.048480	ug/L
Rh	103	451897.878	451897.878		ug/L
Ag	107	85.001	0.000	0.005812	ug/L
Cd	111	4.168	0.000	0.003743	ug/L
Cd	114	14.421	0.000	0.000519	ug/L
In	115	350031.946	350031.946		ug/L
Sb	121	745.046	0.002	0.081088	ug/L
Sb	123	615.655	0.002	0.089430	ug/L
Tl	203	90.001	0.000	-0.000020	ug/L

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	Tl	205	117.002	-0.000	0.000801	ug/L
	Pb	208	945.033	-0.009	-0.001935	ug/L
I>	Bi	209	434071.542	434071.542		ug/L

DR 1/25

TriMatrix Laboratories, Inc.

1-26-10
Cal: 0AZ3001

Metals Laboratory Instrument Run Sequence

Instrument #: 114
Date: 1-21-10
Analyst: DWS

Data File: 0AZ1053
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 9110400
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 9110402
11. IFB1 9110403

Analysis # / Position #	ID	Dilution			Analysis # / Position #	ID	Dilution		
		Initial Volume (mL)	Final Volume (mL)	Dilution Factor			Initial Volume (mL)	Final Volume (mL)	Dilution Factor
BL 1/17	1000395-blk2 Total				35/51				
2/18	-DS0				36/52				
3/19	1001148-01				37/53				
4/20	1001177-06				38/54				
5/21	-MS0				39/55				
6/22	-MSD				40/56				
7/23	-SRD1				41/57				
8/24	-PS0				42/58				
9/25	1001177-08				43/59				
10/26	-10				44/60				
ZM 1/27	1000396-blk2 Diss				45/61				
12/28	-PS0				46/62				
13/29	1001148-01				47/63				
14/30	1001177-07				48/64				
15/31	-MS0				49/65				
16/32	-MSD				50/66				
17/33	-SRD2				51/67				
18/34	-PS0				52/68				
19/35	1001177-09				53/69				
20/36	-11				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: 21JAN2010_6020A_E.tun
File Path: C:\Elandata\Tuning

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
Li	7.016	7.026	1527	2025	0.835	
Co	58.933	58.928	14205	2005	0.865	
In	114.904	114.879	27846	2000	0.852	
Ba	137.905	137.979	33469	1990	0.867	
Ce	139.905	139.977	33959	1985	0.884	
Tl	204.975	204.975	49817	1980	0.870	

00662

Daily Performance Report

Sample ID: 9101006
Sample Date/Time: Thursday, January 21, 2010 18:11:14
Sample Description:
Method File: C:\elandata\Method\6020A_Daily.mth
Dataset File: C:\elandata\Dataset\daily performance\9101006.2507
Tuning File: C:\Elandata\Tuning\21JAN2010_6020A_E.tun
Optimization File: C:\Elandata\Optimize\21JAN2010_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	11906.6	11906.583	131.088	1.1
	Co	58.9	122674.3	122674.303	1763.669	1.4
	In	114.9	311398.1	311398.054	5757.174	1.8
	Tl	205.0	220109.0	220109.027	2878.048	1.3
⌈>	Ba	137.9	251461.5	251461.533	2874.690	1.1
⌊	Ba++	69.0	3874.6	0.015	0.000	2.8
⌈>	Ce	139.9	311429.5	311429.536	4680.511	1.5
⌊	CeO	155.9	8763.7	0.028	0.001	3.0
	Bkgd	220.0	7.3	7.333	1.506	20.5

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	11782.710	11782.710
Co	59	124909.704	124909.704
In	115	317500.157	317500.157
Tl	205	221833.020	221833.020
Ba	138	250345.975	250345.975
Ba++	69	4051.149	0.016
Ce	140	319074.919	319074.919
CeO	156	9224.953	0.029
Bkgd	220	9.000	9.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	11987.050	11987.050
Co	59	122763.981	122763.981
In	115	304392.672	304392.672
Tl	205	223479.158	223479.158
Ba	138	255786.617	255786.617
Ba++	69	3805.013	0.015
Ce	140	309864.428	309864.428
CeO	156	8619.197	0.028
Bkgd	220	6.000	6.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	11971.023	11971.023
Co	59	119534.902	119534.902
In	115	315239.052	315239.052
Tl	205	219983.108	219983.108
Ba	138	253325.306	253325.306
Ba++	69	3845.035	0.015
Ce	140	308256.030	308256.030
CeO	156	8779.392	0.028
Bkgd	220	6.000	6.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	11714.598	11714.598
Co	59	123139.360	123139.360
In	115	312171.687	312171.687

Tl	205	215467.550	215467.550
Ba	138	252156.944	252156.944
Ba++	69	3894.061	0.015
Ce	140	314444.197	314444.197
CeO	156	9137.841	0.029
Bkgd	220	8.000	8.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	12057.168	12057.168
Co	59	123304.167	123304.167
In	115	304195.633	304195.633
Tl	205	218291.377	218291.377
Ba	138	247955.839	247955.839
Ba++	69	3811.016	0.015
Ce	140	310912.530	310912.530
CeO	156	8590.162	0.028
Bkgd	220	6.000	6.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	11926.949	11926.949
Co	59	122393.708	122393.708
In	115	314889.126	314889.126
Tl	205	221599.950	221599.950
Ba	138	249198.515	249198.515
Ba++	69	3841.032	0.015
Ce	140	306025.109	306025.109
CeO	156	8230.739	0.027
Bkgd	220	9.000	9.000

Sample/Batch Report

User Name: Administrator
Computer Name: ELAN6000_22
Sample File: C:\Elandata\Sample\0A21053.sam
Report Date/Time: Thursday, January 21, 2010 18:23:07

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
17		1000385-BLK2		Sample					
18		1000385-BS2		Sample					
19		1001142-01		Sample					
20		1001177-06		Sample					
21		1000385-MS2		Sample					
22		1000385-MSD2		Sample					
23		0A21053-SRD1		Sample					
24		1000385-PS2		Sample					
25		1001177-08		Sample					
26		1001177-10		Sample					
27		1000386-BLK2		Sample					
28		1000386-BS2		Sample					
29		1001142-01		Sample					
30		1001177-07		Sample					
31		1000386-MSS		Sample					
32		1000386-MSD2		Sample					
33		0A21053-SRD2		Sample					
34		1000386-PS2		Sample					
35		1001177-09		Sample					
36		1001177-11		Sample					

00665

Sample Information

Sample ID: 0A21053-CAL1
Autosampler Position: 1
Sample Date/Time: Thursday, January 21, 2010 18:33:41
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\0A21053-CAL1.005
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	666238.665					ug/L
⌊	Be	9	3.000					ug/L
⌈	Zn	66	418.350					ug/L
|	Zn	68	529.358					ug/L
⌊>	Ge	72	393927.983					ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	650947.690			ug/L
⌊	Be	9	2.000			ug/L
⌈	Zn	66	459.019			ug/L
|	Zn	68	535.025			ug/L
⌊>	Ge	72	406108.973			ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	705048.719			ug/L
⌊	Be	9	3.000			ug/L
⌈	Zn	66	416.016			ug/L
|	Zn	68	521.024			ug/L
⌊>	Ge	72	387077.086			ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	642719.388			ug/L
⌊	Be	9	4.000			ug/L
⌈	Zn	66	380.014			ug/L
|	Zn	68	532.025			ug/L
⌊>	Ge	72	389699.881			ug/L

09666

Sample Information

Sample ID: 0A21053-CAL2
Autosampler Position: 3
Sample Date/Time: Thursday, January 21, 2010 18:35:46
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\0A21053-CAL2.006
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	654066.679	654066.679				ug/L
[	Be	9	62.001	0.000	0.200000	0.005	2.381	ug/L
[	Zn	66	937.404	0.001	0.200000	0.013	6.287	ug/L
[	Zn	68	876.063	0.001	0.200000	0.027	13.509	ug/L
[>	Ge	72	385628.352	385628.352				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	
[	Be	9.012	
[	Zn	65.926	
[	Zn	67.925	
[>	Ge	71.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	662646.752	662646.752		ug/L
[	Be	9	63.001	0.000	0.200988	ug/L
[	Zn	66	929.070	0.001	0.199298	ug/L
[	Zn	68	920.068	0.001	0.228057	ug/L
[>	Ge	72	382955.066	382955.066		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	637987.912	637987.912		ug/L
[	Be	9	58.001	0.000	0.194932	ug/L
[	Zn	66	908.087	0.001	0.187793	ug/L
[	Zn	68	875.082	0.001	0.187786	ug/L
[>	Ge	72	366880.838	366880.838		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	661556.373	661556.373		ug/L
[	Be	9	64.001	0.000	0.204382	ug/L
[	Zn	66	976.076	0.001	0.212912	ug/L
[	Zn	68	833.067	0.001	0.174158	ug/L
[>	Ge	72	387058.162	387058.162		ug/L

33667

Sample Information

Sample ID: 0A21053-CAL3
Autosampler Position: 4
Sample Date/Time: Thursday, January 21, 2010 18:37:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\0A21053-CAL3.007
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	651349.289	651349.289				ug/L
⌊	Be	9	368.013	0.001	1.007589	0.077	7.636	ug/L
⌈	Zn	66	2137.341	0.004	0.979393	0.032	3.240	ug/L
⌋	Zn	68	1837.255	0.003	0.985743	0.085	8.594	ug/L
⌊>	Ge	72	389687.504	389687.504				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	Zn	65.926	
⌋	Zn	67.925	
⌊>	Ge	71.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	538522.849	538522.849		ug/L
⌊	Be	9	378.014	0.001	1.063132	ug/L
⌈	Zn	66	2111.333	0.004	0.844282	ug/L
⌋	Zn	68	1790.242	0.003	0.927232	ug/L
⌊>	Ge	72	398320.988	398320.988		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	670249.847	670249.847		ug/L
⌊	Be	9	346.012	0.001	0.916760	ug/L
⌈	Zn	66	2180.355	0.005	1.008040	ug/L
⌋	Zn	68	1783.240	0.003	0.947116	ug/L
⌊>	Ge	72	388811.858	388811.858		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	644275.871	644275.871		ug/L
⌊	Be	9	380.014	0.001	1.050877	ug/L
⌈	Zn	66	2120.336	0.004	0.987858	ug/L
⌋	Zn	68	1938.282	0.004	1.052882	ug/L
⌊>	Ge	72	383829.969	383829.969		ug/L

00668

Sample Information

Sample ID: 0A21053-CAL4
Autosampler Position: 5
Sample Date/Time: Thursday, January 21, 2010 18:39:59
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\0A21053-CAL4.008
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	654748.870	654748.870				ug/L
⌊	Be	9	3716.671	0.006	10.001885	0.351	3.511	ug/L
⌈	Zn	66	17214.894	0.044	9.996129	0.306	3.064	ug/L
|	Zn	68	12956.205	0.032	9.993669	0.556	5.566	ug/L
⌊>	Ge	72	386286.253	386286.253				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	645564.630	645564.630		ug/L
⌊	Be	9	3753.023	0.006	10.240351	ug/L
⌈	Zn	66	16982.334	0.043	9.880630	ug/L
|	Zn	68	12992.938	0.032	10.040178	ug/L
⌊>	Ge	72	385164.747	385164.747		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	654224.989	654224.989		ug/L
⌊	Be	9	3776.038	0.006	10.168708	ug/L
⌈	Zn	66	17464.499	0.043	9.764468	ug/L
|	Zn	68	12708.424	0.030	9.415584	ug/L
⌊>	Ge	72	400694.170	400694.170		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	664458.990	664458.990		ug/L
⌊	Be	9	3620.954	0.006	9.598588	ug/L
⌈	Zn	66	17197.851	0.045	10.343098	ug/L
|	Zn	68	13166.256	0.034	10.525245	ug/L
⌊>	Ge	72	372999.842	372999.842		ug/L

00669

Sample Information

Sample ID: 0A21053-CAL5
Autosampler Position: 6
Sample Date/Time: Thursday, January 21, 2010 18:42:04
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\0A21053-CAL5.009
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	647455.357	647455.357				ug/L
⌊	Be	9	7423.932	0.011	20.045309	1.045	5.212	ug/L
⌈	Zn	66	34026.209	0.087	19.977941	0.796	3.984	ug/L
|	Zn	68	24767.458	0.062	19.870070	0.946	4.760	ug/L
⌊>	Ge	72	388315.660	388315.660				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	627193.981	627193.981		ug/L
⌊	Be	9	7342.848	0.012	20.445282	ug/L
⌈	Zn	66	33647.400	0.083	19.091016	ug/L
|	Zn	68	24386.837	0.059	18.901332	ug/L
⌊>	Ge	72	401326.183	401326.183		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	672397.012	672397.012		ug/L
⌊	Be	9	7261.762	0.011	18.859813	ug/L
⌈	Zn	66	34739.621	0.089	20.630260	ug/L
|	Zn	68	24568.391	0.063	19.917748	ug/L
⌊>	Ge	72	383800.144	383800.144		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	642775.079	642775.079		ug/L
⌊	Be	9	7667.189	0.012	20.831034	ug/L
⌈	Zn	66	33691.808	0.086	20.212567	ug/L
|	Zn	68	25347.147	0.066	20.791130	ug/L
⌊>	Ge	72	379821.674	379821.674		ug/L

00570

Sample Information

Sample ID: 0A21053-CAL6
Autosampler Position: 7
Sample Date/Time: Thursday, January 21, 2010 18:44:09
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\0A21053-CAL6.010
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	670233.441	670233.441				ug/L
[	Be	9	17746.532	0.027	49.341136	2.226	4.512	ug/L
[	Zn	66	82331.043	0.211	49.752656	0.893	1.794	ug/L
[	Zn	68	59584.481	0.152	49.701568	1.064	2.141	ug/L
[>	Ge	72	389091.622	389091.622				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	
[	Be	9.012	
[	Zn	65.926	
[	Zn	67.925	
[>	Ge	71.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	698748.416	698748.416		ug/L
[	Be	9	17508.602	0.025	48.773810	ug/L
[	Zn	66	82706.886	0.211	49.966731	ug/L
[	Zn	68	58298.319	0.149	48.679491	ug/L
[>	Ge	72	389260.082	389260.082		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	661620.958	661620.958		ug/L
[	Be	9	18031.912	0.027	50.735886	ug/L
[	Zn	66	80548.418	0.208	48.774580	ug/L
[	Zn	68	60765.986	0.158	50.803008	ug/L
[>	Ge	72	388270.325	388270.325		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	652330.941	652330.941		ug/L
[	Be	9	17701.083	0.027	50.514102	ug/L
[	Zn	66	83738.625	0.214	50.523847	ug/L
[	Zn	68	59581.138	0.152	49.622207	ug/L
[>	Ge	72	389744.458	389744.458		ug/L

00671

Sample Information

Sample ID: 0A21053-CAL7
Autosampler Position: 8
Sample Date/Time: Thursday, January 21, 2010 18:46:14
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\0A21053-CAL7.011
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	658724.717	658724.717				ug/L
⌊	Be	9	35601.878	0.054	100.150366	3.041	3.037	ug/L
⌈	Zn	66	161188.781	0.424	100.065394	3.314	3.312	ug/L
|	Zn	68	117862.051	0.310	100.327057	3.914	3.901	ug/L
⌊>	Ge	72	379073.112	379073.112				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	654710.608	654710.608		ug/L
⌊	Be	9	36333.537	0.056	102.800312	ug/L
⌈	Zn	66	157816.844	0.419	98.723400	ug/L
|	Zn	68	118150.321	0.313	101.329810	ug/L
⌊>	Ge	72	375988.088	375988.088		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	647786.987	647786.987		ug/L
⌊	Be	9	35257.152	0.054	100.820876	ug/L
⌈	Zn	66	162010.313	0.414	97.632831	ug/L
|	Zn	68	116229.167	0.298	99.008158	ug/L
⌊>	Ge	72	390280.078	390280.078		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	673676.576	673676.576		ug/L
⌊	Be	9	35214.944	0.052	98.829908	ug/L
⌈	Zn	66	163739.086	0.440	103.840161	ug/L
|	Zn	68	119208.987	0.320	103.642201	ug/L
⌊>	Ge	72	370931.161	370931.161		ug/L

99672

Quantitative Analysis Calibration Report

File Name:
File Path:
Calibration Type: External Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Li	6.015	Linear Thru Zero	0.00	0.00	0.000000
Be	9.012	Linear Thru Zero	0.00	0.00	0.999897
Zn	65.926	Linear Thru Zero	0.00	0.00	0.999985
Zn	67.925	Linear Thru Zero	0.00	0.00	0.999958
Ge	71.922	Linear Thru Zero	0.00	0.00	0.000000

Method Equation

Analyte	Mass	Corrections

00673

Sample Information

Sample ID: 0A21053-SCV
Autosampler Position: 2
Sample Date/Time: Thursday, January 21, 2010 18:48:19
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\0A21053-SCV.012
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	649061.468	649061.468				ug/L
[	Be	9	14130.443	0.022	40.356511	1.948	4.827	ug/L
[	Zn	66	66796.745	0.172	40.665704	1.616	3.974	ug/L
[	Zn	68	49135.642	0.126	40.916878	1.978	4.835	ug/L
[>	Ge	72	385105.314	385105.314				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	97.422
[	Be	9.012	
[	Zn	65.926	
[	Zn	67.925	
[>	Ge	71.922	97.760

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	643249.033	643249.033		ug/L
[	Be	9	14370.588	0.022	41.378919	ug/L
[	Zn	66	65267.483	0.165	38.880849	ug/L
[	Zn	68	48019.348	0.121	39.085020	ug/L
[>	Ge	72	393501.300	393501.300		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	668270.348	668270.348		ug/L
[	Be	9	13750.380	0.021	38.109834	ug/L
[	Zn	66	69223.504	0.178	41.978282	ug/L
[	Zn	68	49039.282	0.126	40.650901	ug/L
[>	Ge	72	386543.318	386543.318		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	635865.024	635865.024		ug/L
[	Be	9	14270.383	0.022	41.580679	ug/L
[	Zn	66	65899.250	0.178	41.157882	ug/L
[	Zn	68	50348.326	0.133	43.014712	ug/L
[>	Ge	72	375271.326	375271.326		ug/L

00674

Sample Information

Sample ID: 0A21053-CCV B Dr 121-10
Autosampler Position: 1
Sample Date/Time: Thursday, January 21, 2010 18:50:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\0A21053-CCV.013
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	655497.939	655497.939				ug/L
[	Be	9	1.667	-0.000	-0.003670	0.001	40.442	ug/L
[	Zn	66	392.348	-0.000	-0.010653	0.005	43.334	ug/L
|	Zn	68	524.024	0.000	0.004841	0.028	573.921	ug/L
[>	Ge	72	385861.840	385861.840				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	98.388
[	Be	9.012	
[	Zn	65.926	
|	Zn	67.925	
[>	Ge	71.922	97.952

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	676840.790	676840.790		ug/L
[	Be	9	2.000	-0.000	0.002668	ug/L
[	Zn	66	383.014	-0.000	-0.013647	ug/L
|	Zn	68	543.026	0.000	0.025461	ug/L
[>	Ge	72	381764.256	381764.256		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	625969.208	625969.208		ug/L
[	Be	9	1.000	0.000	-0.005382	ug/L
[	Zn	66	394.016	-0.000	-0.012752	ug/L
|	Zn	68	493.022	-0.000	-0.026753	ug/L
[>	Ge	72	390919.122	390919.122		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	663683.820	663683.820		ug/L
[	Be	9	2.000	-0.000	-0.002759	ug/L
[	Zn	66	400.015	-0.000	-0.005380	ug/L
|	Zn	68	536.025	0.000	0.015816	ug/L
[>	Ge	72	384902.142	384902.142		ug/L

Sample Information

Sample ID: 0A21053-CRL1
Autosampler Position: 4
Sample Date/Time: Thursday, January 21, 2010 18:52:29
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\0A21053-CRL1.014
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	652067.996	652067.996				ug/L
⌊	Be	9	345.678	0.001	0.975225	0.070	7.187	ug/L
⌈	Zn	66	2155.013	0.005	1.066448	0.018	1.700	ug/L
⌊	Zn	68	1739.229	0.003	1.025411	0.084	8.222	ug/L
⌊>	Ge	72	385827.328	385827.328				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.873
⌊	Be	9.012	
⌈	Zn	65.926	
⌊	Zn	67.925	
⌊>	Ge	71.922	97.944

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	672831.637	672831.637		ug/L
⌊	Be	9	335.011	0.000	0.914343	ug/L
⌈	Zn	66	2198.361	0.006	1.073323	ug/L
⌊	Zn	68	1649.207	0.003	0.928072	ug/L
⌊>	Ge	72	391781.508	391781.508		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	652746.453	652746.453		ug/L
⌊	Be	9	341.012	0.001	0.969481	ug/L
⌈	Zn	66	2077.323	0.004	1.045893	ug/L
⌊	Zn	68	1758.234	0.003	1.072539	ug/L
⌊>	Ge	72	377875.393	377875.393		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	630825.888	630825.888		ug/L
⌊	Be	9	351.013	0.001	1.051850	ug/L
⌈	Zn	66	2188.357	0.006	1.060137	ug/L
⌊	Zn	68	1809.247	0.003	1.075622	ug/L
⌊>	Ge	72	387825.084	387825.084		ug/L

00675

Sample Information

Sample ID: 0A21053-IFA1
Autosampler Position: 10
Sample Date/Time: Thursday, January 21, 2010 18:54:35
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\0A21053-IFA1.015
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	646189.305	646189.305				ug/L
[	Be	9	2.000	-0.000	-0.002513	0.006	238.324	ug/L
[	Zn	66	481.688	0.000	0.038946	0.018	46.815	ug/L
[	Zn	68	577.029	0.000	0.040576	0.016	38.727	ug/L
[>	Ge	72	393061.525	393061.525				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	96.991
[	Be	9.012	
[	Zn	65.926	
[	Zn	67.925	
[>	Ge	71.922	99.780

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	671556.150	671556.150		ug/L
[	Be	9	2.000	-0.000	0.002825	ug/L
[	Zn	66	474.020	0.000	0.027379	ug/L
[	Zn	68	580.029	0.000	0.031887	ug/L
[>	Ge	72	402367.910	402367.910		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	647845.978	647845.978		ug/L
[	Be	9	0.000	-0.000	-0.008342	ug/L
[	Zn	66	498.022	0.000	0.059984	ug/L
[	Zn	68	577.029	0.000	0.058719	ug/L
[>	Ge	72	378352.688	378352.688		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	619165.781	619165.781		ug/L
[	Be	9	4.000	0.000	0.003828	ug/L
[	Zn	66	473.020	0.000	0.029495	ug/L
[	Zn	68	574.029	0.000	0.031340	ug/L
[>	Ge	72	398473.970	398473.970		ug/L

00677

Sample Information

Sample ID: 0A21053-IFB1
Autosampler Position: 11
Sample Date/Time: Thursday, January 21, 2010 18:56:41
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\0A21053-IFB1.016
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	650198.738	650198.738				ug/L
⌊	Be	9	7193.361	0.011	20.510150	1.216	5.926	ug/L
⌈	Zn	66	33492.011	0.085	20.000492	0.533	2.663	ug/L
|	Zn	68	24584.152	0.062	19.984946	0.780	3.902	ug/L
⌊>	Ge	72	390196.785	390196.785				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.592
⌊	Be	9.012	
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	99.053

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	644311.715	644311.715		ug/L
⌊	Be	9	7070.588	0.011	20.321298	ug/L
⌈	Zn	66	33938.778	0.084	19.756728	ug/L
|	Zn	68	24239.300	0.059	19.188857	ug/L
⌊>	Ge	72	400023.073	400023.073		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	672504.456	672504.456		ug/L
⌊	Be	9	7045.543	0.010	19.400102	ug/L
⌈	Zn	66	33253.568	0.087	20.611588	ug/L
|	Zn	68	24584.481	0.064	20.747222	ug/L
⌊>	Ge	72	375887.482	375887.482		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	633780.041	633780.041		ug/L
⌊	Be	9	7463.972	0.012	21.809050	ug/L
⌈	Zn	66	33283.698	0.083	19.634184	ug/L
|	Zn	68	24928.874	0.062	20.018968	ug/L
⌊>	Ge	72	394699.798	394699.798		ug/L

99678

Sample Information

Sample ID: 0A21053-CCV
Autosampler Position: 2
Sample Date/Time: Thursday, January 21, 2010 18:58:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\0A21053-CCV.017
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	648714.679	648714.679				ug/L
[	Be	9	13925.036	0.021	39.779461	1.579	3.970	ug/L
[	Zn	66	67242.054	0.173	40.777121	0.411	1.009	ug/L
[	Zn	68	48551.350	0.124	40.253854	1.326	3.295	ug/L
[>	Ge	72	386481.175	386481.175				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	97.370
[	Be	9.012	
[	Zn	65.926	
[	Zn	67.925	
[>	Ge	71.922	98.110

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	664439.487	664439.487		ug/L
[	Be	9	13827.123	0.021	37.988104	ug/L
[	Zn	66	67887.782	0.176	41.242580	ug/L
[	Zn	68	47092.197	0.121	39.095019	ug/L
[>	Ge	72	385808.009	385808.009		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	640433.056	640433.056		ug/L
[	Be	9	13986.779	0.022	40.389932	ug/L
[	Zn	66	66337.281	0.172	40.626784	ug/L
[	Zn	68	49788.416	0.129	41.700337	ug/L
[>	Ge	72	382674.062	382674.062		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	641271.514	641271.514		ug/L
[	Be	9	14182.207	0.022	40.982348	ug/L
[	Zn	66	67501.120	0.172	40.462021	ug/L
[	Zn	68	48773.439	0.123	39.966208	ug/L
[>	Ge	72	390983.453	390983.453		ug/L

Sample Information

Sample ID: 0A21053-CCB
Autosampler Position: 1
Sample Date/Time: Thursday, January 21, 2010 19:00:51
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\0A21053-CCB.018
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	636628.482	636628.482				ug/L
[	Be	9	3.000	0.000	0.000432	0.003	714.046	ug/L
[	Zn	66	422.350	0.000	0.008752	0.011	120.418	ug/L
[	Zn	68	526.025	0.000	0.008039	0.016	195.273	ug/L
[>	Ge	72	384193.277	384193.277				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	95.556
[	Be	9.012	
[	Zn	65.926	
[	Zn	67.925	
[>	Ge	71.922	97.529

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	626014.970	626014.970		ug/L
[	Be	9	4.000	0.000	0.000495	ug/L
[	Zn	66	447.018	0.000	0.010089	ug/L
[	Zn	68	559.027	0.000	0.025986	ug/L
[>	Ge	72	392586.868	392585.868		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	652908.384	652908.384		ug/L
[	Be	9	2.000	-0.000	-0.002687	ug/L
[	Zn	66	404.018	-0.000	-0.002875	ug/L
[	Zn	68	513.024	-0.000	-0.003130	ug/L
[>	Ge	72	384538.308	384538.308		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	630861.093	630861.093		ug/L
[	Be	9	3.000	0.000	0.000468	ug/L
[	Zn	66	418.018	0.000	0.010841	ug/L
[	Zn	68	508.023	0.000	0.001260	ug/L
[>	Ge	72	375475.688	375475.688		ug/L

00689

Sample Information

Sample ID: 1000385-BLK2
Autosampler Position: 17
Sample Date/Time: Thursday, January 21, 2010 19:02:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\1000385-BLK2.019
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	655846.922	655846.922				ug/L
⌊	Be	9	2.333	-0.000	-0.001707	0.006	350.952	ug/L
⌈	Zn	66	5714.008	0.014	3.226122	0.083	2.563	ug/L
|	Zn	68	4312.678	0.010	3.168618	0.090	2.827	ug/L
⌊>	Ge	72	387720.931	387720.931				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	98.440
⌊	Be	9.012	
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	98.424

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	636154.881	636154.881		ug/L
⌊	Be	9	4.000	0.000	0.003307	ug/L
⌈	Zn	66	5715.343	0.013	3.132458	ug/L
|	Zn	68	4316.347	0.009	3.073800	ug/L
⌊>	Ge	72	398389.448	398389.448		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	673178.758	673178.758		ug/L
⌊	Be	9	3.000	-0.000	-0.000088	ug/L
⌈	Zn	66	5663.317	0.014	3.288958	ug/L
|	Zn	68	4310.343	0.010	3.251486	ug/L
⌊>	Ge	72	378639.302	378639.302		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	658207.117	658207.117		ug/L
⌊	Be	9	0.000	-0.000	-0.008342	ug/L
⌈	Zn	66	5743.386	0.014	3.256840	ug/L
|	Zn	68	4311.344	0.010	3.180788	ug/L
⌊>	Ge	72	386134.044	386134.044		ug/L

99681

Sample Information

Sample ID: 1000385-BS2
Autosampler Position: 18
Sample Date/Time: Thursday, January 21, 2010 19:05:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\1000385-BS2.020
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	646853.895	646853.895				ug/L
⌊	Be	9	3280.787	0.005	9.396398	0.453	4.823	ug/L
⌈	Zn	66	17948.045	0.046	10.776165	0.335	3.105	ug/L
|	Zn	68	13349.933	0.033	10.829784	0.304	2.804	ug/L
⌊>	Ge	72	383852.312	383852.312				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.090
⌊	Be	9.012	
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	97.442

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	642376.501	642376.501		ug/L
⌊	Be	9	3383.840	0.006	9.779186	ug/L
⌈	Zn	66	17297.336	0.044	10.439871	ug/L
|	Zn	68	13277.462	0.033	10.758936	ug/L
⌊>	Ge	72	383783.272	383783.272		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	625615.580	625615.580		ug/L
⌊	Be	9	3216.756	0.006	9.513887	ug/L
⌈	Zn	66	18116.123	0.046	10.781634	ug/L
|	Zn	68	13147.220	0.033	10.561082	ug/L
⌊>	Ge	72	387201.580	387201.580		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	677369.603	677369.603		ug/L
⌊	Be	9	3231.783	0.006	8.898021	ug/L
⌈	Zn	66	18331.678	0.047	11.107988	ug/L
|	Zn	68	13625.119	0.034	11.156321	ug/L
⌊>	Ge	72	380572.084	380572.084		ug/L

99682

Sample Information

Sample ID: 1001142-01
Autosampler Position: 19
Sample Date/Time: Thursday, January 21, 2010 19:07:05
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\1001142-01.021
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	654309.043	654309.043				ug/L
⌊	Be	9	4.000	0.000	0.003001	0.006	189.531	ug/L
⌈	Zn	66	14882.639	0.037	8.816525	0.127	1.435	ug/L
⌊	Zn	68	11444.947	0.028	9.143160	0.365	3.991	ug/L
⌊>	Ge	72	387102.694	387102.694				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	98.209
⌊	Be	9.012	
⌈	Zn	65.926	
⌊	Zn	67.925	
⌊>	Ge	71.922	98.267

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	654384.871	654384.871		ug/L
⌊	Be	9	6.000	0.000	0.008644	ug/L
⌈	Zn	66	15014.916	0.038	8.943231	ug/L
⌊	Zn	68	11118.755	0.028	8.913269	ug/L
⌊>	Ge	72	385112.015	385112.018		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	660371.922	660371.922		ug/L
⌊	Be	9	2.000	-0.000	-0.002731	ug/L
⌈	Zn	66	14631.116	0.037	8.816230	ug/L
⌊	Zn	68	11148.772	0.030	9.583880	ug/L
⌊>	Ge	72	380524.664	380524.664		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	648170.536	648170.535		ug/L
⌊	Be	9	4.000	0.000	0.003091	ug/L
⌈	Zn	66	15001.887	0.037	8.890113	ug/L
⌊	Zn	68	11468.315	0.028	8.952351	ug/L
⌊>	Ge	72	395871.412	395871.412		ug/L

99683

Sample Information

Sample ID: 1001177-06
Autosampler Position: 20
Sample Date/Time: Thursday, January 21, 2010 19:09:11
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\1001177-06.022
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	650100.560	650100.560				ug/L
[	Be	9	10.000	0.000	0.019874	0.011	55.676	ug/L
[	Zn	66	9004.430	0.022	5.271519	0.089	1.683	ug/L
[	Zn	68	7449.958	0.018	5.841033	0.184	3.158	ug/L
[>	Ge	72	384561.855	384561.855				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	97.578
[	Be	9.012	
[	Zn	65.926	
[	Zn	67.925	
[>	Ge	71.922	97.622

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	680840.834	680540.834		ug/L
[	Be	9	15.000	0.000	0.032481	ug/L
[	Zn	66	9858.578	0.022	5.191400	ug/L
[	Zn	68	7431.939	0.018	5.834977	ug/L
[>	Ge	72	383858.194	383858.194		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	626520.549	626520.549		ug/L
[	Be	9	6.000	0.000	0.015313	ug/L
[	Zn	66	8994.750	0.023	5.366871	ug/L
[	Zn	68	7538.049	0.019	6.028486	ug/L
[>	Ge	72	377584.802	377584.802		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	643240.298	643240.298		ug/L
[	Be	9	7.000	0.000	0.011819	ug/L
[	Zn	66	9158.981	0.022	5.256288	ug/L
[	Zn	68	7381.868	0.017	5.859552	ug/L
[>	Ge	72	392241.768	392241.768		ug/L

Sample Information

Sample ID: 1000385-MS2
Autosampler Position: 21
Sample Date/Time: Thursday, January 21, 2010 19:11:16
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\1000385-MS2.023
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	643515.725	643515.725				ug/L
[	Be	9	3338.480	0.005	9.607508	0.334	3.478	ug/L
[	Zn	66	24164.719	0.061	14.501493	0.058	0.401	ug/L
[	Zn	68	18538.221	0.047	15.111811	0.557	3.685	ug/L
[>	Ge	72	386257.832	386257.832				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	96.589
[	Be	9.012	
[	Zn	65.926	
[	Zn	67.925	
[>	Ge	71.922	98.053

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	624298.810	624298.810		ug/L
[	Be	9	3328.808	0.005	9.863721	ug/L
[	Zn	66	24108.859	0.061	14.457046	ug/L
[	Zn	68	18593.364	0.047	15.142956	ug/L
[>	Ge	72	386536.988	386536.988		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	657726.742	657726.742		ug/L
[	Be	9	3279.786	0.005	9.229617	ug/L
[	Zn	66	24514.238	0.062	14.567350	ug/L
[	Zn	68	18038.830	0.046	14.539990	ug/L
[>	Ge	72	390110.663	390110.663		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	648523.522	648523.522		ug/L
[	Be	9	3408.847	0.005	9.729288	ug/L
[	Zn	66	23871.060	0.061	14.480082	ug/L
[	Zn	68	18982.379	0.048	15.852487	ug/L
[>	Ge	72	382125.845	382125.845		ug/L

Sample Information

Sample ID: 1000385-MSD2
Autosampler Position: 22
Sample Date/Time: Thursday, January 21, 2010 19:13:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\1000385-MSD2.024
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	641852.215	641852.215				ug/L
	Be	9	3277.118	0.005	9.456010	0.264	2.793	ug/L
	Zn	66	23220.271	0.059	14.008857	0.396	2.824	ug/L
	Zn	68	17418.735	0.044	14.257541	0.512	3.588	ug/L
>	Ge	72	383967.184	383967.184				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	96.340
	Be	9.012	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.471

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	654987.181	654987.181		ug/L
	Be	9	3292.792	0.006	9.304800	ug/L
	Zn	66	22923.966	0.059	13.881478	ug/L
	Zn	68	17348.208	0.044	14.219084	ug/L
>	Ge	72	383322.487	383322.487		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	652788.008	652788.008		ug/L
	Be	9	3280.788	0.006	9.302248	ug/L
	Zn	66	22688.208	0.058	13.716211	ug/L
	Zn	68	16905.846	0.046	14.787188	ug/L
>	Ge	72	383071.545	383071.545		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	617771.460	617771.460		ug/L
	Be	9	3257.775	0.006	9.780988	ug/L
	Zn	66	24047.652	0.061	14.458883	ug/L
	Zn	68	16905.150	0.043	13.786344	ug/L
>	Ge	72	385507.520	385507.520		ug/L

Sample Information

Sample ID: 0A21053-SRD1
Autosampler Position: 23
Sample Date/Time: Thursday, January 21, 2010 19:15:29
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\0A21053-SRD1.025
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	655435.673	655435.673				ug/L
[	Be	9	2.333	-0.000	-0.001759	0.002	85.930	ug/L
[	Zn	66	2286.389	0.005	1.126404	0.067	5.946	ug/L
[	Zn	68	1957.621	0.004	1.183220	0.020	1.700	ug/L
[>	Ge	72	391717.204	391717.204				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	98.379
[	Be	9.012	
[	Zn	65.926	
[	Zn	67.925	
[>	Ge	71.922	99.439

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	666870.310	666870.310		ug/L
[	Be	9	3.000	-0.000	0.000030	ug/L
[	Zn	66	2254.378	0.005	1.115500	ug/L
[	Zn	68	1984.280	0.004	1.199371	ug/L
[>	Ge	72	389181.984	389181.984		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	625188.240	625188.240		ug/L
[	Be	9	2.000	-0.000	-0.002415	ug/L
[	Zn	66	2218.397	0.005	1.066648	ug/L
[	Zn	68	1994.298	0.004	1.199807	ug/L
[>	Ge	72	397501.988	397501.988		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	672470.466	672470.466		ug/L
[	Be	9	2.000	-0.000	-0.002832	ug/L
[	Zn	66	2356.422	0.005	1.198184	ug/L
[	Zn	68	1914.276	0.004	1.160882	ug/L
[>	Ge	72	388467.833	388467.833		ug/L

20687

Sample Information

Sample ID: 1000385-PS2
Autosampler Position: 24
Sample Date/Time: Thursday, January 21, 2010 19:17:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\1000385-PS2.026
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	649486.181	649486.181				ug/L
⌊	Be	9	6826.997	0.011	19.471511	0.705	3.620	ug/L
⌈	Zn	66	38306.497	0.097	22.758607	0.453	1.992	ug/L
⌊	Zn	68	28527.156	0.071	23.109517	1.129	4.887	ug/L
⌊>	Ge	72	392721.604	392721.604				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.486
⌊	Be	9.012	
⌈	Zn	65.926	
⌊	Zn	67.925	
⌊>	Ge	71.922	99.694

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	648444.838	648444.838		ug/L
⌊	Be	9	6831.143	0.010	18.936314	ug/L
⌈	Zn	66	38608.811	0.098	22.687315	ug/L
⌊	Zn	68	27940.620	0.069	22.422129	ug/L
⌊>	Ge	72	395879.481	395879.481		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	663498.848	663498.848		ug/L
⌊	Be	9	6882.383	0.010	19.207841	ug/L
⌈	Zn	66	37911.723	0.099	23.243281	ug/L
⌊	Zn	68	29195.837	0.075	24.413053	ug/L
⌊>	Ge	72	380617.276	380617.276		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	636813.857	636813.857		ug/L
⌊	Be	9	6987.486	0.011	20.270277	ug/L
⌈	Zn	66	38498.658	0.095	22.345224	ug/L
⌊	Zn	68	28444.809	0.069	22.493388	ug/L
⌊>	Ge	72	401788.053	401788.053		ug/L

00688

Sample Information

Sample ID: 1001177-08
Autosampler Position: 25
Sample Date/Time: Thursday, January 21, 2010 19:19:44
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\1001177-08.027
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	640456.264	640456.264				ug/L
[	Be	9	37.667	0.000	0.100697	0.017	16.454	ug/L
[	Zn	66	143091.559	0.368	86.727563	2.602	3.001	ug/L
[	Zn	68	103701.477	0.266	86.158896	3.242	3.763	ug/L
[>	Ge	72	388090.221	388090.221				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	96.130
[	Be	9.012	
[	Zn	65.926	
[	Zn	67.925	
[>	Ge	71.922	98.518

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	649166.154	649166.154		ug/L
[	Be	9	32.000	0.000	0.082979	ug/L
[	Zn	66	140323.327	0.356	84.012067	ug/L
[	Zn	68	104426.740	0.266	85.851511	ug/L
[>	Ge	72	392668.333	392668.333		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	630641.341	630641.341		ug/L
[	Be	9	38.000	0.000	0.103308	ug/L
[	Zn	66	146388.301	0.368	86.971009	ug/L
[	Zn	68	102080.992	0.257	83.081532	ug/L
[>	Ge	72	395783.300	395783.300		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	641661.298	641661.298		ug/L
[	Be	9	43.001	0.000	0.115808	ug/L
[	Zn	66	142563.060	0.378	89.199524	ug/L
[	Zn	68	104416.898	0.276	89.543644	ug/L
[>	Ge	72	375819.030	375819.030		ug/L

90689

Sample Information

Sample ID: 1001177-10
Autosampler Position: 26
Sample Date/Time: Thursday, January 21, 2010 19:21:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\1001177-10.028
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	631580.804	631580.804				ug/L
⌊	Be	9	55.001	0.000	0.153055	0.021	13.868	ug/L
⌈	Zn	66	158701.160	0.411	97.015530	3.034	3.127	ug/L
⌋	Zn	68	115280.538	0.298	96.626985	3.902	4.038	ug/L
⌊>	Ge	72	384855.541	384855.541				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.798
⌊	Be	9.012	
⌈	Zn	65.926	
⌋	Zn	67.925	
⌊>	Ge	71.922	97.697

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	635879.234	635979.234		ug/L
⌊	Be	9	47.001	0.000	0.128587	ug/L
⌈	Zn	66	154478.124	0.400	94.412548	ug/L
⌋	Zn	68	118011.671	0.300	97.200561	ug/L
⌊>	Ge	72	384808.172	384808.172		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	611279.991	611279.991		ug/L
⌊	Be	9	57.001	0.000	0.164408	ug/L
⌈	Zn	66	160878.084	0.408	98.287045	ug/L
⌋	Zn	68	112728.713	0.286	92.469918	ug/L
⌊>	Ge	72	392958.664	392958.664		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	647483.187	647483.187		ug/L
⌊	Be	9	61.001	0.000	0.168192	ug/L
⌈	Zn	66	160748.263	0.426	100.346969	ug/L
⌋	Zn	68	117100.230	0.309	100.210488	ug/L
⌊>	Ge	72	376800.787	376800.787		ug/L

00599

Sample Information

Sample ID: 0A21053-CCV
Autosampler Position: 2
Sample Date/Time: Thursday, January 21, 2010 19:23:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\0A21053-CCV.029
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	629404.144	629404.144				ug/L
⌊	Be	9	13975.145	0.022	41.181685	2.815	6.836	ug/L
⌈	Zn	66	68254.579	0.171	40.210792	1.345	3.345	ug/L
⌊	Zn	68	50094.934	0.125	40.349946	1.578	3.911	ug/L
⌊>	Ge	72	398075.463	398075.463				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.471
⌊	Be	9.012	
⌈	Zn	65.926	
⌊	Zn	67.925	
⌊>	Ge	71.922	101.053

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	619738.136	619738.136		ug/L
⌊	Be	9	13966.838	0.023	41.829008	ug/L
⌈	Zn	66	68702.505	0.167	39.384227	ug/L
⌊	Zn	68	49256.767	0.119	38.593388	ug/L
⌊>	Ge	72	408742.802	408742.802		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	651801.744	651801.744		ug/L
⌊	Be	9	13407.708	0.021	38.098147	ug/L
⌈	Zn	66	68223.946	0.177	41.762838	ug/L
⌊	Zn	68	49758.208	0.129	41.648336	ug/L
⌊>	Ge	72	382914.447	382914.447		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	616675.553	616675.553		ug/L
⌊	Be	9	14521.882	0.024	43.616900	ug/L
⌈	Zn	66	67837.286	0.167	39.485208	ug/L
⌊	Zn	68	51267.840	0.126	40.808117	ug/L
⌊>	Ge	72	402569.340	402568.340		ug/L

00691

Sample Information

Sample ID: 0A21053-CCB
Autosampler Position: 1
Sample Date/Time: Thursday, January 21, 2010 19:25:59
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\0A21053-CCB.030
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	623466.248	623466.248				ug/L
⌊	Be	9	4.000	0.000	0.003585	0.006	171.097	ug/L
⌈	Zn	66	439.685	0.000	0.012691	0.004	35.164	ug/L
|	Zn	68	535.359	0.000	0.004840	0.018	363.012	ug/L
⌊>	Ge	72	394120.805	394120.805				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.580
⌊	Be	9.012	
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	100.049

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	610241.578	610241.578		ug/L
⌊	Be	9	6.000	0.000	0.009873	ug/L
⌈	Zn	66	440.018	0.000	0.007887	ug/L
|	Zn	68	529.025	-0.000	0.009031	ug/L
⌊>	Ge	72	402022.807	402022.807		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	636861.467	636861.467		ug/L
⌊	Be	9	4.000	0.000	0.003261	ug/L
⌈	Zn	66	437.018	0.000	0.014212	ug/L
|	Zn	68	522.024	-0.000	-0.001047	ug/L
⌊>	Ge	72	389408.784	389408.784		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	621496.700	621496.700		ug/L
⌊	Be	9	2.000	-0.000	0.002380	ug/L
⌈	Zn	66	442.018	0.000	0.016196	ug/L
|	Zn	68	556.027	0.000	0.024598	ug/L
⌊>	Ge	72	390932.843	390932.843		ug/L

00692

Sample Information

Sample ID: 1000386-BLK2
Autosampler Position: 27
Sample Date/Time: Thursday, January 21, 2010 19:28:04
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\1000386-BLK2.031
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	622815.137	622815.137				ug/L
⌊	Be	9	1.333	-0.000	-0.004347	0.002	42.139	ug/L
⌈	Zn	66	1059.756	0.002	0.382424	0.030	7.947	ug/L
|	Zn	68	969.409	0.001	0.360020	0.049	13.663	ug/L
⌊>	Ge	72	395153.007	395153.007				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.482
⌊	Be	9.012	
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	100.311

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	618448.279	618448.279		ug/L
⌊	Be	9	1.000	-0.000	0.006348	ug/L
⌈	Zn	66	1058.088	0.002	0.370486	ug/L
|	Zn	68	962.074	0.001	0.341651	ug/L
⌊>	Ge	72	401073.606	401073.606		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	643472.918	643472.918		ug/L
⌊	Be	9	1.000	-0.000	0.006483	ug/L
⌈	Zn	66	1089.094	0.002	0.416971	ug/L
|	Zn	68	1011.082	0.001	0.415750	ug/L
⌊>	Ge	72	384798.844	384798.844		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	606528.218	606528.218		ug/L
⌊	Be	9	2.000	-0.000	-0.002233	ug/L
⌈	Zn	66	1034.066	0.002	0.359814	ug/L
|	Zn	68	935.071	0.001	0.322658	ug/L
⌊>	Ge	72	399588.971	399588.971		ug/L

00693

Sample Information

Sample ID: 1000386-BS2
Autosampler Position: 28
Sample Date/Time: Thursday, January 21, 2010 19:30:08
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\1000386-BS2.032
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	645032.605	645032.605				ug/L
⌊	Be	9	3091.700	0.005	8.876629	0.445	5.008	ug/L
⌈	Zn	66	15589.507	0.039	9.161450	0.310	3.379	ug/L
|	Zn	68	11351.794	0.028	8.981562	0.187	2.078	ug/L
⌊>	Ge	72	390494.020	390494.020				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.817
⌊	Be	9.012	
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	99.128

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	648856.038	648856.038		ug/L
⌊	Be	9	3000.680	0.005	8.558637	ug/L
⌈	Zn	66	15193.293	0.039	9.108821	ug/L
|	Zn	68	11330.082	0.028	9.148366	ug/L
⌊>	Ge	72	382874.382	382874.382		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	630487.920	630487.920		ug/L
⌊	Be	9	3186.747	0.005	9.384627	ug/L
⌈	Zn	66	16180.223	0.038	8.862793	ug/L
|	Zn	68	11423.241	0.028	9.016386	ug/L
⌊>	Ge	72	391412.062	391412.062		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	656750.856	656750.856		ug/L
⌊	Be	9	3077.694	0.005	8.688424	ug/L
⌈	Zn	66	16415.004	0.040	9.494736	ug/L
|	Zn	68	11302.047	0.027	8.779845	ug/L
⌊>	Ge	72	397196.828	397196.828		ug/L

00694

Sample Information

Sample ID: 1001142-01
Autosampler Position: 29
Sample Date/Time: Thursday, January 21, 2010 19:32:13
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\1001142-01.033
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	631411.865	631411.865				ug/L
⌊	Be	9	1.667	-0.000	-0.003391	0.005	135.656	ug/L
⌈	Zn	66	10319.221	0.026	6.071376	0.264	4.344	ug/L
⌊	Zn	68	8354.633	0.020	6.594266	0.258	3.917	ug/L
⌊>	Ge	72	385225.302	385225.302				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.773
⌊	Be	9.012	
⌈	Zn	65.926	
⌊	Zn	67.925	
⌊>	Ge	71.922	97.791

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	639656.911	639656.911		ug/L
⌊	Be	9	0.000	-0.000	-0.008342	ug/L
⌈	Zn	66	10278.490	0.027	6.289143	ug/L
⌊	Zn	68	8380.998	0.021	6.599523	ug/L
⌊>	Ge	72	370561.177	370561.177		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	611160.375	611160.375		ug/L
⌊	Be	9	3.000	0.000	0.000752	ug/L
⌈	Zn	66	10119.264	0.025	5.778137	ug/L
⌊	Zn	68	8366.981	0.020	6.410703	ug/L
⌊>	Ge	72	395810.828	395810.828		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	643418.306	643418.306		ug/L
⌊	Be	9	2.000	-0.000	0.002563	ug/L
⌈	Zn	66	10561.909	0.026	6.146848	ug/L
⌊	Zn	68	8315.921	0.020	6.482474	ug/L
⌊>	Ge	72	389313.900	389313.900		ug/L

Sample Information

Sample ID: 1001177-07
Autosampler Position: 30
Sample Date/Time: Thursday, January 21, 2010 19:34:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\1001177-07.034
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	642982.662	642982.662				ug/L
⌊	Be	9	2.333	-0.000	-0.001593	0.003	212.328	ug/L
⌈	Zn	66	3315.136	0.007	1.764737	0.019	1.104	ug/L
|	Zn	68	3179.073	0.007	2.219721	0.086	3.881	ug/L
⌊>	Ge	72	387940.647	387940.647				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.509
⌊	Be	9.012	
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	98.480

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	646948.869	646948.869		ug/L
⌊	Be	9	3.000	0.000	0.000249	ug/L
⌈	Zn	66	3353.828	0.008	1.782717	ug/L
|	Zn	68	3116.712	0.007	2.154482	ug/L
⌊>	Ge	72	390136.103	390136.103		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	651217.920	651217.920		ug/L
⌊	Be	9	1.000	0.000	0.006497	ug/L
⌈	Zn	66	3246.770	0.007	1.757446	ug/L
|	Zn	68	3224.780	0.007	2.317381	ug/L
⌊>	Ge	72	379411.722	379411.722		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	630781.198	630781.198		ug/L
⌊	Be	9	3.000	0.000	0.000488	ug/L
⌈	Zn	66	3334.812	0.007	1.744047	ug/L
|	Zn	68	3192.745	0.007	2.187318	ug/L
⌊>	Ge	72	394272.118	394272.118		ug/L

Sample Information

Sample ID: 1000386-MSS
Autosampler Position: 31
Sample Date/Time: Thursday, January 21, 2010 19:36:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\1000386-MSS.035
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	651685.064	651685.064				ug/L
⌊	Be	9	3110.709	0.005	8.843808	0.598	6.765	ug/L
⌈	Zn	66	15999.061	0.041	9.610481	0.158	1.644	ug/L
⌊	Zn	68	12545.802	0.031	10.184149	0.119	1.168	ug/L
⌊>	Ge	72	382631.276	382631.276				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.816
⌊	Be	9.012	
⌈	Zn	65.926	
⌊	Zn	67.925	
⌊>	Ge	71.922	97.132

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	649752.003	649752.003		ug/L
⌊	Be	9	2977.650	0.005	8.481458	ug/L
⌈	Zn	66	15820.558	0.041	9.707556	ug/L
⌊	Zn	68	12376.837	0.032	10.264162	ug/L
⌊>	Ge	72	374626.878	374626.878		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	633602.946	633602.946		ug/L
⌊	Be	9	3264.779	0.006	9.534349	ug/L
⌈	Zn	66	15981.819	0.040	9.428228	ug/L
⌊	Zn	68	12783.521	0.032	10.240808	ug/L
⌊>	Ge	72	387178.371	387178.371		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	671500.242	671500.242		ug/L
⌊	Be	9	3099.689	0.005	8.515817	ug/L
⌈	Zn	66	16264.706	0.041	9.695566	ug/L
⌊	Zn	68	12497.048	0.031	10.047477	ug/L
⌊>	Ge	72	386088.579	386088.579		ug/L

00697

Sample Information

Sample ID: 1000386-MSD2
Autosampler Position: 32
Sample Date/Time: Thursday, January 21, 2010 19:38:29
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\1000386-MSD2.036
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	646430.406	646430.406				ug/L
⌊	Be	9	3286.122	0.005	9.433814	0.693	7.341	ug/L
⌈	Zn	66	16991.361	0.044	10.269628	0.143	1.397	ug/L
⌊	Zn	68	13114.494	0.033	10.717985	0.208	1.941	ug/L
⌊>	Ge	72	380872.661	380872.661				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.027
⌊	Be	9.012	
⌈	Zn	65.926	
⌊	Zn	67.925	
⌊>	Ge	71.922	96.686

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	672813.641	672813.641		ug/L
⌊	Be	9	3281.777	0.005	9.972788	ug/L
⌈	Zn	66	16777.848	0.044	10.354883	ug/L
⌊	Zn	68	12988.947	0.034	10.848344	ug/L
⌊>	Ge	72	373055.648	373055.648		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	607021.780	607021.780		ug/L
⌊	Be	9	3354.621	0.006	10.230161	ug/L
⌈	Zn	66	16802.908	0.043	10.104024	ug/L
⌊	Zn	68	13306.516	0.033	10.826499	ug/L
⌊>	Ge	72	352857.193	352857.193		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	659456.798	659456.798		ug/L
⌊	Be	9	3241.788	0.006	9.098498	ug/L
⌈	Zn	66	17393.325	0.044	10.350177	ug/L
⌊	Zn	68	13038.018	0.032	10.478112	ug/L
⌊>	Ge	72	386905.144	386905.144		ug/L

00698

Sample Information

Sample ID: 0A21053-SRD2
Autosampler Position: 33
Sample Date/Time: Thursday, January 21, 2010 19:40:35
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\0A21053-SRD2.037
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	656586.375	656586.375				ug/L
	Be	9	2.333	-0.000	-0.001788	0.001	78.062	ug/L
	Zn	66	980.077	0.001	0.350175	0.022	6.379	ug/L
	Zn	68	1035.419	0.001	0.436891	0.053	12.127	ug/L
>	Ge	72	384714.690	384714.690				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	98.551
	Be	9.012	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.661

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	660669.249	660669.249		ug/L
	Be	9	3.000	-0.000	-0.000177	ug/L
	Zn	66	1017.083	0.002	0.372153	ug/L
	Zn	68	1007.081	0.001	0.411448	ug/L
>	Ge	72	385225.818	385225.818		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	648527.345	648527.345		ug/L
	Be	9	2.000	-0.000	-0.002630	ug/L
	Zn	66	929.070	0.001	0.327488	ug/L
	Zn	68	1012.084	0.002	0.497798	ug/L
>	Ge	72	379080.825	379080.825		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	640462.531	640462.531		ug/L
	Be	9	2.000	-0.000	-0.002587	ug/L
	Zn	66	994.079	0.001	0.350875	ug/L
	Zn	68	1007.081	0.001	0.401431	ug/L
>	Ge	72	389837.327	389837.327		ug/L

00699

Sample Information

Sample ID: 1000386-PS2
Autosampler Position: 34
Sample Date/Time: Thursday, January 21, 2010 19:42:41
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\1000386-PS2.038
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	655569.114	655569.114				ug/L
⌊	Be	9	6858.694	0.010	19.383279	0.635	3.276	ug/L
⌈	Zn	66	32157.592	0.084	19.846343	0.595	2.997	ug/L
|	Zn	68	24108.193	0.063	20.266110	0.757	3.737	ug/L
⌊>	Ge	72	377388.715	377388.715				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	98.399
⌊	Be	9.012	
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	95.801

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	655849.953	655849.953		ug/L
⌊	Be	9	6932.432	0.011	19.570467	ug/L
⌈	Zn	66	31004.483	0.082	19.390410	ug/L
|	Zn	68	24249.334	0.064	20.662379	ug/L
⌊>	Ge	72	372234.414	372234.414		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	639673.952	639673.952		ug/L
⌊	Be	9	6874.375	0.011	19.903610	ug/L
⌈	Zn	66	32761.266	0.083	19.829602	ug/L
|	Zn	68	23791.796	0.060	19.392858	ug/L
⌊>	Ge	72	388584.250	388584.250		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	671183.438	671183.438		ug/L
⌊	Be	9	6769.274	0.010	18.675780	ug/L
⌈	Zn	66	32707.038	0.087	20.519017	ug/L
|	Zn	68	24283.450	0.064	20.743092	ug/L
⌊>	Ge	72	371337.482	371337.482		ug/L

99799

Sample Information

Sample ID: 1001177-09
Autosampler Position: 35
Sample Date/Time: Thursday, January 21, 2010 19:44:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\1001177-09.039
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	656019.998	656019.998				ug/L
[	Be	9	5.000	0.000	0.005727	0.005	82.176	ug/L
[	Zn	66	16249.637	0.042	9.990448	0.670	6.706	ug/L
[	Zn	68	12422.585	0.032	10.310498	0.430	4.171	ug/L
[>	Ge	72	374741.042	374741.042				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	98.466
[	Be	9.012	
[	Zn	65.926	
[	Zn	67.925	
[>	Ge	71.922	95.129

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	666132.832	666132.832		ug/L
[	Be	9	5.000	0.000	0.008346	ug/L
[	Zn	66	16298.714	0.043	10.185384	ug/L
[	Zn	68	12573.182	0.033	10.606818	ug/L
[>	Ge	72	368782.042	368782.042		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	656362.507	656362.507		ug/L
[	Be	9	5.000	0.000	0.008542	ug/L
[	Zn	66	15720.437	0.039	9.250421	ug/L
[	Zn	68	12351.794	0.030	9.817181	ug/L
[>	Ge	72	390170.819	390170.819		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	643584.664	643584.664		ug/L
[	Be	9	3.000	0.000	0.000294	ug/L
[	Zn	66	16738.780	0.048	10.568640	ug/L
[	Zn	68	12342.778	0.032	10.507486	ug/L
[>	Ge	72	365290.263	365290.263		ug/L

02791

Sample Information

Sample ID: 1001177-11
Autosampler Position: 36
Sample Date/Time: Thursday, January 21, 2010 19:46:54
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\1001177-11.040
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	648293.879	648293.879				ug/L
[	Be	9	5.667	0.000	0.007778	0.004	50.671	ug/L
[	Zn	66	16228.247	0.042	9.888848	0.237	2.399	ug/L
[	Zn	68	12587.876	0.032	10.366883	0.248	2.396	ug/L
[>	Ge	72	377454.996	377454.996				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	97.307
[	Be	9.012	
[	Zn	65.926	
[	Zn	67.925	
[>	Ge	71.922	95.818

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	630049.881	630049.881		ug/L
[	Be	9	4.000	0.000	0.003420	ug/L
[	Zn	66	16071.220	0.041	9.657204	ug/L
[	Zn	68	12571.178	0.032	10.208631	ug/L
[>	Ge	72	382500.104	382500.104		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	667317.100	667317.100		ug/L
[	Be	9	7.000	0.000	0.011091	ug/L
[	Zn	66	16581.413	0.043	10.131209	ug/L
[	Zn	68	12420.614	0.032	10.238641	ug/L
[>	Ge	72	376881.353	376881.353		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	647514.878	647514.878		ug/L
[	Be	9	6.000	0.000	0.008824	ug/L
[	Zn	66	16022.109	0.042	9.878131	ug/L
[	Zn	68	12771.536	0.033	10.653177	ug/L
[>	Ge	72	373013.529	373013.529		ug/L

00792

Sample Information

Sample ID: 0A21053-CCV
Autosampler Position: 2
Sample Date/Time: Thursday, January 21, 2010 19:49:01
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\0A21053-CCV.041
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	649540.115	649540.115				ug/L
⌊	Be	9	14045.943	0.022	40.084251	2.000	4.990	ug/L
⌈	Zn	66	66654.946	0.174	41.100337	1.104	2.685	ug/L
⌋	Zn	68	48016.367	0.125	40.466154	0.429	1.060	ug/L
⌊>	Ge	72	380196.382	380196.382				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.494
⌊	Be	9.012	
⌈	Zn	65.926	
⌋	Zn	67.925	
⌊>	Ge	71.922	96.514

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	665665.233	665665.233		ug/L
⌊	Be	9	13628.125	0.020	37.918498	ug/L
⌈	Zn	66	66513.814	0.177	41.792933	ug/L
⌋	Zn	68	47380.084	0.126	40.696587	ug/L
⌊>	Ge	72	373050.381	373050.381		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	634156.345	634156.345		ug/L
⌊	Be	9	14333.810	0.023	41.864033	ug/L
⌈	Zn	66	65608.980	0.169	39.827528	ug/L
⌋	Zn	68	49087.446	0.126	40.730464	ug/L
⌊>	Ge	72	386018.017	386018.017		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	648808.765	648808.765		ug/L
⌊	Be	9	14178.195	0.022	40.468221	ug/L
⌈	Zn	66	67842.333	0.177	41.680653	ug/L
⌋	Zn	68	47601.561	0.123	39.971398	ug/L
⌊>	Ge	72	381520.746	381520.746		ug/L

00793

Sample Information

Sample ID: 0A21053-CCB
Autosampler Position: 1
Sample Date/Time: Thursday, January 21, 2010 19:51:05
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A21053.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0A21053\0A21053-CCB.042
Tuning File: C:\elandata\Tuning\21jan2010_6020a_e.tun
Optimization File: C:\elandata\Optimize\21jan2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	652870.807	652870.807				ug/L
	Be	9	1.667	-0.000	-0.003589	0.002	47.811	ug/L
	Zn	66	408.016	0.000	0.001697	0.013	765.475	ug/L
	Zn	68	518.357	0.000	0.005188	0.031	594.270	ug/L
>	Ge	72	381393.000	381393.000				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.994
	Be	9.012	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	96.818

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	668377.733	668377.733		ug/L
	Be	9	1.000	-0.000	-0.005670	ug/L
	Zn	66	398.015	0.000	0.004563	ug/L
	Zn	68	491.022	-0.000	-0.016520	ug/L
>	Ge	72	379817.458	379817.458		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	642128.828	642128.828		ug/L
	Be	9	2.000	-0.000	-0.002572	ug/L
	Zn	66	388.014	-0.000	-0.006681	ug/L
	Zn	68	552.027	0.000	0.040477	ug/L
>	Ge	72	375840.098	375840.098		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	646108.059	646108.059		ug/L
	Be	9	2.000	-0.000	-0.002625	ug/L
	Zn	66	440.018	0.000	0.016636	ug/L
	Zn	68	512.023	0.000	-0.008393	ug/L
>	Ge	72	386521.445	386521.445		ug/L

2070H

due 1/20

TriMatrix Laboratories, Inc. COC ID: OA25012

Metals Laboratory Instrument Run Sequence

Instrument #: 801
Date: 1/25/10
Analyst: MSM

Data File: OA25028
Calibration BLK/ICB/CCB: 1% HNO3 LOT#1109060
Internal Standard #: 9110470

All samples are run at a 5x dilution which is accounted for on the prep benchsheet

Autosampler Position:

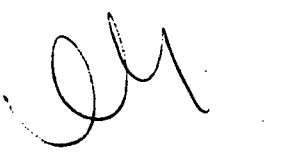
1. BLK/ICB/CCB/9120094
2. ICV/SCV/CCV 40ug/L 9110400
3. STD2 0.2 ug/L 9120100
4. STD3 1.0 ug/L 9120099
5. STD4 10 ug/L 9120098
6. STD5 20 ug/L 9120097
7. STD6 50 ug/L 9120096
8. STD7 100 ug/L 9120095
9. STD1 0.04 ug/L 9120101
10. IFA1 9110402
11. IFB1 9110403

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	1000390-bIK1				PbZn 35/51	1001142-04	1	10	10
2/18	-DS1				36/52	1001177-05	1		10
3/19	1001142-02				37/53	-mS1	1		10
4/20	-03				38/54	-mSD1	1		10
5/21	-04				39/55	-SRD3	0.2		50
6/22	1001177-01				40/56	-PS2	1	10	10
7/23	-02				Zn 41/57	1001177-10	0.2	10	50
8/24	-03				Cu 42/58	-[illegible]	1		10
9/25	-04				Cu Pb Zn 43/59	-13	0.4		25
10/26	-05				Zn 44/60	1001254-04	0.4		25
11/27	-mS1				45/61	-07	0.4		25
12/28	-mSD1				46/62	-09	0.4	10	25
13/29	-SRD1	0.4	10	25	Zn 47/63	-10	1	10	10
14/30	-PS1				48/64				
15/31	1001177-12				49/65				
16/32	-13				50/66				
17/33	-14				51/67				
18/34	-15				52/68				
19/35	1000579-bIK1				53/69				
20/36	-DS1				54/70				
21/37	1001254-03				55/71				
22/38	-04				56/72				
23/39	-05				57/73				
24/40	-06				58/74				
25/41	-07				59/75				
26/42	-08				60/76				
27/43	-09				61/77				
28/44	-mS1				62/78				
29/45	-mSD1				63/79				
30/46	-SRD2	0.4	10	25	64/80				
31/47	-PS1				65/81				
32/48	1001254-10				66/82				
Pb Zn 33/49	1001142-08	1	10	10	67/83				
Zn 34/50	-03	1	10	10	68/84				

Instrument Tuning Report

File Name: 25JAN2010_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	1525	2020	0.876	
Co	58.933	58.929	14191	2050	0.851	
In	114.904	114.878	27796	2095	0.845	
Ba	137.905	137.879	33399	2110	0.855	
Ce	139.905	139.879	33886	2115	0.857	
Tl	204.975	204.976	49709	2180	0.831	



00706

Daily Performance Report

Sample ID: 9101006
Sample Date/Time: Monday, January 25, 2010 10:15:08
Sample Description:
Method File: c:\elandata\Method\6020A_Daily.mth
Dataset File: c:\elandata\Dataset\default\9101006.4239
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac
Dual Detector Mode: Dual

Acq. Dead Time(ns): 60
Current Dead Time (ns): 60

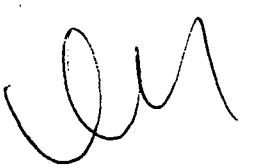
Number of Replicates: 6

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Li	7.0	5091.7	5091.722	122.413	2.4
	Co	58.9	164507.8	164507.804	2216.659	1.3
	In	114.9	417833.3	417833.346	8023.693	1.9
	Tl	205.0	274570.6	274570.647	3595.440	1.3
>	Ba	137.9	335161.6	335161.590	4632.017	1.4
	Ba++	69.0	8185.9	0.024	0.001	2.5
>	Ce	139.9	405764.8	405764.766	6587.836	1.6
	CeO	155.9	10317.4	0.025	0.001	5.2
	Bkgd	220.0	11.5	11.500	3.834	33.3

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5300.685	5300.685
Co	59	164402.858	164402.858
In	115	411286.438	411286.438
Tl	205	270594.081	270594.081
Ba	138	329364.815	329364.815
Ba++	69	8167.000	0.025
Ce	140	401222.727	401222.727
CeO	156	9594.520	0.024
Bkgd	220	10.000	10.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	4938.463	4938.463
Co	59	164178.499	164178.499
In	115	421910.597	421910.597
Tl	205	280023.033	280023.033
Ba	138	335390.770	335390.770
Ba++	69	8180.013	0.024
Ce	140	407153.237	407153.237
CeO	156	11160.468	0.027
Bkgd	220	16.000	16.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5088.553	5088.553
Co	59	168319.899	168319.899
In	115	431379.771	431379.771
Tl	205	274711.563	274711.563
Ba	138	342462.850	342462.850
Ba++	69	8356.187	0.024
Ce	140	407864.797	407864.797
CeO	156	10648.799	0.026
Bkgd	220	11.000	11.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5036.522	5036.522
Co	59	164840.374	164840.374
In	115	417986.012	417986.012



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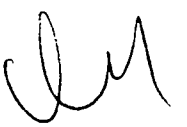
Tl	205	275345.995	275345.995
Ba	138	331071.543	331071.543
Ba++	69	8242.074	0.025
Ce	140	395053.204	395053.204
CeO	156	10268.322	0.026
Bkgd	220	5.000	5.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5141.586	5141.586
Co	59	161443.844	161443.844
In	115	415032.270	415032.270
Tl	205	270580.656	270580.656
Ba	138	335703.527	335703.527
Ba++	69	8323.154	0.025
Ce	140	409903.252	409903.252
CeO	156	10268.322	0.025
Bkgd	220	13.000	13.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5044.526	5044.526
Co	59	163861.348	163861.348
In	115	409404.984	409404.984
Tl	205	276168.553	276168.553
Ba	138	336976.035	336976.035
Ba++	69	7846.692	0.023
Ce	140	413391.378	413391.378
CeO	156	9963.953	0.024
Bkgd	220	14.000	14.000



Sample/Batch Report

User Name: analystME
Computer Name: ELAN6100_08
Sample File: C:\Elandata\Sample\0A25028.sam
Report Date/Time: Monday, January 25, 2010 10:25:28

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
17		1000390-BLK1		Sample					
18		1000390-BS1		Sample					
19		1001142-02		Sample					
20		1001142-03		Sample					
21		1001142-04		Sample					
22		1001177-01		Sample					
23		1001177-02		Sample					
24		1001177-03		Sample					
25		1001177-04		Sample					
26		1001177-05		Sample					
27		1000390-MS1		Sample					
28		1000390-MSD1		Sample					
29		0A25028-SRD1		Sample					
30		1000390-PS1		Sample					
31		1001177-12		Sample					
32		1001177-13		Sample					
33		1001177-14		Sample					
34		1001177-15		Sample					
35		1000579-BLK1		Sample					
36		1000579-BS1		Sample					
37		1001254-03		Sample					
38		1001254-04		Sample					
39		1001254-05		Sample					
40		1001254-06		Sample					
41		1001254-07		Sample					
42		1001254-08		Sample					
43		1001254-09		Sample					
44		1000579-MS1		Sample					
45		1000579-MSD1		Sample					
46		0A25028-SRD2		Sample					
47		1000579-PS1		Sample					
48		1001254-10		Sample					

Sample Information

Sample ID: 0A25028-CAL1
Autosampler Position: 1
Sample Date/Time: Monday, January 25, 2010 10:26:37
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CAL1.001
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	240331.728					mg/L
	Be	9	3.667					mg/L
	V	51	5857.838					mg/L
	Cr	52	18879.222					mg/L
	Cr	53	4597.315					mg/L
	Co	59	93.335					mg/L
	Cu	63	310.342					mg/L
	Cu	65	175.004					mg/L
	Zn	66	376.012					mg/L
	Zn	68	2049.272					mg/L
>	Ge	72	440699.853					mg/L
	As	75	1210.449					mg/L
	Se	77	303.009					mg/L
	Se	82	7.845					mg/L
>	Rh	103	289128.246					mg/L
	Ag	107	15.667					mg/L
	Cd	111	12.553					mg/L
	Cd	114	16.422					mg/L
	Tl	203	32.000					mg/L
	Tl	205	56.334					mg/L
	Pb	208	322.672					mg/L
>	Bi	209	361604.538					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	

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	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	247028.498			mg/L
Be	9	6.000			mg/L
V	51	5908.589			mg/L
Cr	52	19215.320			mg/L
Cr	53	4727.348			mg/L
Co	59	93.001			mg/L
Cu	63	327.010			mg/L
Cu	65	193.004			mg/L
Zn	66	372.012			mg/L
Zn	68	2058.274			mg/L
Ge	72	439548.597			mg/L
As	75	1261.798			mg/L
Se	77	302.008			mg/L
Se	82	-79.061			mg/L
Rh	103	292164.234			mg/L
Ag	107	18.000			mg/L
Cd	111	14.656			mg/L
Cd	114	11.504			mg/L
Tl	203	34.000			mg/L
Tl	205	54.001			mg/L
Pb	208	322.008			mg/L
Bi	209	368383.987			mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	237879.775			mg/L
Be	9	1.000			mg/L
V	51	5518.400			mg/L
Cr	52	18486.887			mg/L
Cr	53	4641.339			mg/L
Co	59	107.002			mg/L
Cu	63	300.008			mg/L
Cu	65	188.003			mg/L
Zn	66	375.012			mg/L
Zn	68	2070.278			mg/L
Ge	72	442598.884			mg/L
As	75	1104.443			mg/L
Se	77	290.008			mg/L
Se	82	67.773			mg/L
Rh	103	290359.782			mg/L
Ag	107	15.000			mg/L
Cd	111	11.122			mg/L
Cd	114	18.041			mg/L
Tl	203	75.000			mg/L
Tl	205	68.001			mg/L
Pb	208	318.008			mg/L
Bi	209	381223.398			mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	235186.812			mg/L
Be	9	4.000			mg/L
V	51	8147.523			mg/L
Cr	52	18935.878			mg/L
Cr	53	4423.218			mg/L
Co	59	85.001			mg/L
Cu	63	304.008			mg/L
Cu	65	164.003			mg/L
Zn	66	381.013			mg/L
Zn	68	2021.265			mg/L
Ge	72	439952.078			mg/L
As	75	1785.104			mg/L
Se	77	317.009			mg/L
Se	82	-15.178			mg/L
Rh	103	284830.722			mg/L
Ag	107	14.000			mg/L
Cd	111	11.681			mg/L
Cd	114	21.722			mg/L
Tl	203	37.000			mg/L
Tl	205	49.001			mg/L
Pb	208	328.008			mg/L
Bi	209	357196.220			mg/L

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Sample Information

Sample ID: 0A25028-CAL2
Autosampler Position: 9
Sample Date/Time: Monday, January 25, 2010 10:29:58
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CAL2.002
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	243953.459	243953.459				mg/L
	Be	9	16.334	0.000				mg/L
	V	51	6722.283	0.002				mg/L
	Cr	52	19776.982	0.002				mg/L
	Cr	53	4779.752	0.000				mg/L
	Co	59	864.720	0.002				mg/L
	Cu	63	699.370	0.001				mg/L
	Cu	65	368.679	0.000				mg/L
	Zn	66	864.387	0.001				mg/L
	Zn	68	2425.377	0.001				mg/L
>	Ge	72	442141.543	442141.543				mg/L
	As	75	1349.598	0.000				mg/L
	Se	77	313.009	0.000				mg/L
	Se	82	0.758	-0.000				mg/L
>	Rh	103	302988.379	302988.379				mg/L
	Ag	107	668.033	0.002	0.000040	0.000	2.085	mg/L
	Cd	111	169.687	0.001	0.000040	0.000	5.003	mg/L
	Cd	114	373.931	0.001	0.000040	0.000	6.883	mg/L
	Tl	203	536.689	0.001	0.000040	0.000	6.248	mg/L
	Tl	205	1290.113	0.003	0.000040	0.000	2.611	mg/L
	Pb	208	2166.133	0.005				mg/L
>	Bi	209	373510.921	373510.921				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	

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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	250077.314	250077.314		mg/L
Be	9	13.000	0.000		mg/L
V	51	6482.050	0.001		mg/L
Cr	52	20304.910	0.003		mg/L
Cr	53	4817.440	0.000		mg/L
Co	59	865.054	0.002		mg/L
Cu	63	712.038	0.001		mg/L
Cu	65	362.011	0.000		mg/L
Zn	66	884.056	0.001		mg/L
Zn	68	2422.378	0.001		mg/L
Ge	72	441642.082	441642.082		mg/L
As	75	1498.649	0.001		mg/L
Se	77	301.008	0.000		mg/L
Se	82	30.291	0.000		mg/L
Rh	103	302828.074	302828.074		mg/L
Ag	107	653.032	0.002	0.000039	mg/L
Cd	111	172.732	0.001	0.000041	mg/L
Cd	114	366.162	0.001	0.000041	mg/L
Tl	203	509.021	0.001	0.000038	mg/L
Tl	205	1313.117	0.003	0.000041	mg/L
Pb	208	2168.131	0.005		mg/L
Bi	209	370998.181	370998.181		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	240057.940	240057.940		mg/L
Be	9	21.000	0.000		mg/L
V	51	6831.687	0.002		mg/L
Cr	52	19795.882	0.002		mg/L
Cr	53	4795.427	0.000		mg/L
Co	59	868.054	0.002		mg/L
Cu	63	715.038	0.001		mg/L
Cu	65	362.013	0.000		mg/L
Zn	66	864.053	0.001		mg/L
Zn	68	2431.379	0.001		mg/L
Ge	72	442582.023	442582.023		mg/L
As	75	1374.521	0.000		mg/L
Se	77	332.010	0.000		mg/L
Se	82	34.143	0.000		mg/L
Rh	103	298024.423	298024.423		mg/L
Ag	107	668.034	0.002	0.000041	mg/L
Cd	111	158.050	0.000	0.000038	mg/L
Cd	114	383.881	0.001	0.000042	mg/L
Tl	203	531.022	0.001	0.000039	mg/L
Tl	205	1271.110	0.003	0.000039	mg/L
Pb	208	2119.131	0.005		mg/L
Bi	209	377498.538	377498.538		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	241725.124	241725.124		mg/L
Be	9	15.000	0.000		mg/L
V	51	6843.132	0.002		mg/L
Cr	52	19230.355	0.001		mg/L
Cr	53	4728.387	0.000		mg/L
Co	59	861.053	0.002		mg/L
Cu	63	671.034	0.001		mg/L
Cu	65	352.011	0.000		mg/L
Zn	66	845.051	0.001		mg/L
Zn	68	2422.376	0.001		mg/L
Ge	72	442200.548	442200.548		mg/L
As	75	1175.824	0.000		mg/L
Se	77	308.009	0.000		mg/L
Se	82	67.158	0.000		mg/L
Rh	103	308112.640	308112.640		mg/L
Ag	107	662.035	0.002	0.000040	mg/L
Cd	111	178.279	0.001	0.000041	mg/L
Cd	114	351.751	0.001	0.000037	mg/L
Tl	203	570.025	0.001	0.000043	mg/L
Tl	205	1268.112	0.003	0.000040	mg/L
Pb	208	2211.138	0.005		mg/L
Bi	209	372038.045	372038.045		mg/L

Sample Information

Sample ID: 0A25028-CAL3
Autosampler Position: 3
Sample Date/Time: Monday, January 25, 2010 10:33:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CAL3.003
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	239459.330	239459.330				mg/L
	Be	9	56.001	0.000	0.000200	0.000	24.489	mg/L
	V	51	9647.167	0.009	0.000200	0.000	22.274	mg/L
	Cr	52	21554.390	0.007	0.000200	0.000	16.489	mg/L
	Cr	53	5201.342	0.001	0.000200	0.000	4.270	mg/L
	Co	59	3793.234	0.008	0.000200	0.000	3.118	mg/L
	Cu	63	2232.321	0.004	0.000200	0.000	2.601	mg/L
	Cu	65	1126.421	0.002	0.000200	0.000	3.053	mg/L
	Zn	66	1149.091	0.002	0.000200	0.000	7.547	mg/L
	Zn	68	2690.128	0.002	0.000200	0.000	10.414	mg/L
>	Ge	72	436985.916	436985.916				mg/L
	As	75	1980.399	0.002	0.000200	0.000	34.602	mg/L
	Se	77	378.346	0.000	0.000200	0.000	46.363	mg/L
	Se	82	82.201	0.000	0.000200	0.000	132.790	mg/L
>	Rh	103	288688.399	288688.399				mg/L
	Ag	107	3302.020	0.011	0.000200	0.000	1.002	mg/L
	Cd	111	803.748	0.003	0.000200	0.000	2.518	mg/L
	Cd	114	1833.536	0.006	0.000200	0.000	1.224	mg/L
	Tl	203	2613.102	0.007	0.000201	0.000	3.158	mg/L
	Tl	205	6270.757	0.018	0.000201	0.000	6.241	mg/L
	Pb	208	9062.340	0.025	0.000200	0.000	3.814	mg/L
>	Bi	209	349763.561	349763.561				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	

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	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	248482.524	248482.524		mg/L
Be	9	64.001	0.000	0.000224	mg/L
V	51	10185.167	0.008	0.000214	mg/L
Cr	52	21742.546	0.008	0.000172	mg/L
Cr	53	5322.753	0.001	0.000193	mg/L
Co	59	3782.847	0.008	0.000193	mg/L
Cu	63	2237.323	0.004	0.000194	mg/L
Cu	65	1181.087	0.002	0.000207	mg/L
Zn	66	1117.066	0.002	0.000184	mg/L
Zn	68	2693.462	0.001	0.000179	mg/L
Ge	72	448028.485	448028.485		mg/L
As	75	1717.367	0.001	0.000120	mg/L
Se	77	422.015	0.000	0.000284	mg/L
Se	82	-31.771	0.000	0.000102	mg/L
Rh	103	284482.109	284482.109		mg/L
Ag	107	3283.872	0.011	0.000201	mg/L
Cd	111	778.933	0.003	0.000197	mg/L
Cd	114	1830.323	0.006	0.000203	mg/L
Tl	203	2587.427	0.007	0.000195	mg/L
Tl	205	5972.189	0.017	0.000187	mg/L
Pb	208	9899.971	0.024	0.000192	mg/L
Bi	209	357035.548	357035.548		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	233845.943	233845.943		mg/L
Be	9	83.001	0.000	0.000233	mg/L
V	51	8654.848	0.007	0.000150	mg/L
Cr	52	21356.544	0.008	0.000192	mg/L
Cr	53	5208.680	0.002	0.000210	mg/L
Co	59	3638.922	0.009	0.000203	mg/L
Cu	63	2238.323	0.004	0.000202	mg/L
Cu	65	1100.084	0.002	0.000196	mg/L
Zn	66	1198.098	0.002	0.000214	mg/L
Zn	68	2582.458	0.002	0.000201	mg/L
Ge	72	435085.232	435085.232		mg/L
As	75	2137.113	0.002	0.000241	mg/L
Se	77	338.010	0.000	0.000101	mg/L
Se	82	157.815	0.000	0.000397	mg/L
Rh	103	269429.208	269429.208		mg/L
Ag	107	3337.702	0.011	0.000202	mg/L
Cd	111	828.729	0.003	0.000208	mg/L
Cd	114	1835.278	0.006	0.000200	mg/L
Tl	203	2656.450	0.008	0.000207	mg/L
Tl	205	6510.807	0.019	0.000211	mg/L
Pb	208	9241.056	0.026	0.000207	mg/L
Bi	209	344418.641	344418.641		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	238048.522	238048.522		mg/L
Be	9	41.001	0.000	0.000144	mg/L
V	51	10101.489	0.010	0.000236	mg/L
Cr	52	21564.080	0.008	0.000236	mg/L
Cr	53	5071.593	0.001	0.000197	mg/L
Co	59	3777.894	0.009	0.000204	mg/L
Cu	63	2221.318	0.004	0.000204	mg/L
Cu	65	1088.082	0.002	0.000197	mg/L
Zn	66	1132.068	0.002	0.000202	mg/L
Zn	68	2694.482	0.002	0.000220	mg/L
Ge	72	426848.032	426848.032		mg/L
As	75	2068.716	0.002	0.000239	mg/L
Se	77	375.012	0.000	0.000215	mg/L
Se	82	120.560	0.000	0.000305	mg/L
Rh	103	292153.880	292153.880		mg/L
Ag	107	3304.688	0.011	0.000198	mg/L
Cd	111	903.582	0.003	0.000198	mg/L
Cd	114	1835.008	0.006	0.000196	mg/L
Tl	203	2595.430	0.007	0.000200	mg/L
Tl	205	6329.488	0.018	0.000203	mg/L
Pb	208	9045.994	0.025	0.000201	mg/L
Bi	209	347838.494	347838.494		mg/L

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Sample Information

Sample ID: 0A25028-CAL4
Autosampler Position: 4
Sample Date/Time: Monday, January 25, 2010 10:36:45
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CAL4.004
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	247261.489	247261.489				mg/L
	Be	9	258.007	0.001	0.000998	0.000	3.857	mg/L
	V	51	23324.417	0.040	0.000996	0.000	2.022	mg/L
	Cr	52	34248.619	0.036	0.001003	0.000	4.802	mg/L
	Cr	53	6622.030	0.005	0.000979	0.000	4.271	mg/L
	Co	59	18293.576	0.042	0.000999	0.000	0.681	mg/L
	Cu	63	9691.396	0.022	0.000999	0.000	1.289	mg/L
	Cu	65	4667.687	0.010	0.000998	0.000	2.111	mg/L
	Zn	66	3260.670	0.007	0.000987	0.000	1.608	mg/L
	Zn	68	4374.859	0.005	0.000985	0.000	2.399	mg/L
>	Ge	72	436160.175	436160.175				mg/L
	As	75	5051.472	0.009	0.000999	0.000	2.289	mg/L
	Se	77	636.364	0.001	0.000994	0.000	2.284	mg/L
	Se	82	433.880	0.001	0.001004	0.000	5.066	mg/L
>	Rh	103	302210.650	302210.650				mg/L
	Ag	107	16236.299	0.054	0.000998	0.000	1.565	mg/L
	Cd	111	3930.316	0.013	0.000998	0.000	0.474	mg/L
	Cd	114	8847.522	0.029	0.000997	0.000	2.059	mg/L
	Tl	203	12631.027	0.034	0.000997	0.000	2.205	mg/L
	Tl	205	30828.904	0.084	0.000998	0.000	2.110	mg/L
	Pb	208	42536.159	0.115	0.000996	0.000	1.577	mg/L
>	Bi	209	368511.871	368511.871				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	

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	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	258370 328	258370 328		mg/L
Be	9	258 008	0 001	0 000953	mg/L
V	51	23808 704	0 041	0 001013	mg/L
Cr	52	35256 773	0 037	0 001051	mg/L
Cr	53	6718 773	0 005	0 000989	mg/L
Co	59	18405 487	0 042	0 000998	mg/L
Cu	63	9641 671	0 021	0 000968	mg/L
Cu	65	4815 324	0 010	0 000978	mg/L
Zn	66	3256 669	0 007	0 000977	mg/L
Zn	68	4475 246	0 008	0 001012	mg/L
Ge	72	439683 424	439683 424		mg/L
As	75	5183 336	0 009	0 001023	mg/L
Se	77	637 031	0 001	0 000981	mg/L
Se	82	416 818	0 001	0 000956	mg/L
Rh	103	301603 843	301603 843		mg/L
Ag	107	16084 669	0 053	0 000980	mg/L
Cd	111	3912 992	0 013	0 000995	mg/L
Cd	114	9008 391	0 030	0 001017	mg/L
Tl	203	12507 504	0 034	0 000984	mg/L
Tl	205	30330 398	0 082	0 000978	mg/L
Pb	208	41803 078	0 113	0 000979	mg/L
Bi	209	369758 780	369758 780		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	242415 764	242415 764		mg/L
Be	9	258 007	0 001	0 001017	mg/L
V	51	22717 430	0 039	0 000974	mg/L
Cr	52	33171 220	0 034	0 000954	mg/L
Cr	53	6620 895	0 005	0 001008	mg/L
Co	59	18021 648	0 041	0 000994	mg/L
Cu	63	9614 639	0 022	0 001000	mg/L
Cu	65	4723 385	0 011	0 001020	mg/L
Zn	66	3283 660	0 007	0 001005	mg/L
Zn	68	4303 154	0 005	0 000972	mg/L
Ge	72	432117 616	432117 616		mg/L
As	75	4998 034	0 009	0 000986	mg/L
Se	77	626 030	0 001	0 000981	mg/L
Se	82	452 304	0 001	0 001057	mg/L
Rh	103	301297 036	301297 036		mg/L
Ag	107	16478 441	0 055	0 001016	mg/L
Cd	111	3908 428	0 013	0 000995	mg/L
Cd	114	8838 761	0 029	0 000978	mg/L
Tl	203	12878 069	0 035	0 001022	mg/L
Tl	205	31332 104	0 085	0 001020	mg/L
Pb	208	42818 782	0 116	0 001009	mg/L
Bi	209	368331 329	368331 329		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	242998 375	242998 375		mg/L
Be	9	260 007	0 001	0 001023	mg/L
V	51	23447 118	0 040	0 001002	mg/L
Cr	52	34318 864	0 038	0 001005	mg/L
Cr	53	6528 822	0 005	0 000931	mg/L
Co	59	18453 594	0 042	0 001007	mg/L
Cu	63	9817 878	0 022	0 001011	mg/L
Cu	65	4664 352	0 010	0 000996	mg/L
Zn	66	3241 863	0 007	0 000979	mg/L
Zn	68	4348 177	0 005	0 000971	mg/L
Ge	72	436898 484	436898 484		mg/L
As	75	4872 045	0 009	0 000977	mg/L
Se	77	646 032	0 001	0 001020	mg/L
Se	82	432 519	0 001	0 001000	mg/L
Rh	103	303731 070	303731 070		mg/L
Ag	107	16145 787	0 053	0 000987	mg/L
Cd	111	3971 528	0 013	0 001003	mg/L
Cd	114	8697 414	0 029	0 000998	mg/L
Tl	203	12509 507	0 034	0 000985	mg/L
Tl	205	30824 210	0 083	0 000985	mg/L
Pb	208	42858 639	0 115	0 001001	mg/L
Bi	209	369447 503	369447 503		mg/L

Sample Information

Sample ID: 0A25028-CAL5
Autosampler Position: 5
Sample Date/Time: Monday, January 25, 2010 10:40:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CAL5.005
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	244635.323	244635.323				mg/L
	Be	9	2565.754	0.010	0.010002	0.000	1.965	mg/L
	V	51	181279.639	0.397	0.009998	0.000	2.134	mg/L
	Cr	52	169501.216	0.341	0.009995	0.000	2.679	mg/L
	Cr	53	23042.052	0.042	0.009983	0.000	2.590	mg/L
	Co	59	177611.032	0.401	0.009996	0.000	2.492	mg/L
	Cu	63	92544.620	0.209	0.009997	0.000	2.043	mg/L
	Cu	65	44713.762	0.101	0.009997	0.000	1.176	mg/L
	Zn	66	28208.616	0.063	0.009993	0.000	1.365	mg/L
	Zn	68	24636.950	0.051	0.009993	0.000	1.575	mg/L
>	Ge	72	442235.832	442235.832				mg/L
	As	75	39375.642	0.086	0.009997	0.000	0.887	mg/L
	Se	77	3455.751	0.007	0.009991	0.000	4.764	mg/L
	Se	82	4260.321	0.010	0.009999	0.000	1.535	mg/L
>	Rh	103	301056.014	301056.014				mg/L
	Ag	107	168084.577	0.558	0.010004	0.000	1.353	mg/L
	Cd	111	38966.305	0.129	0.010000	0.000	1.545	mg/L
	Cd	114	89602.674	0.298	0.010002	0.000	0.664	mg/L
	Tl	203	126714.221	0.343	0.010000	0.000	2.841	mg/L
	Tl	205	306855.692	0.831	0.009999	0.000	1.811	mg/L
	Pb	208	424763.549	1.150	0.010000	0.000	1.474	mg/L
>	Bi	209	369029.013	369029.013				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	

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	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	249681.105	249681.105		mg/L
Be	9	2654.448	0.011	0.010140	mg/L
V	51	183807.712	0.402	0.010137	mg/L
Cr	52	170795.198	0.344	0.010087	mg/L
Cr	53	23517.372	0.043	0.010250	mg/L
Co	59	173621.742	0.393	0.009778	mg/L
Cu	63	92454.965	0.209	0.009993	mg/L
Cu	65	44417.503	0.100	0.009938	mg/L
Zn	66	27972.147	0.062	0.009915	mg/L
Zn	68	24919.452	0.052	0.010126	mg/L
Ge	72	441857.021	441857.021		mg/L
As	75	39588.355	0.087	0.010066	mg/L
Se	77	3366.714	0.007	0.009712	mg/L
Se	82	4182.605	0.009	0.009825	mg/L
Rh	103	294830.749	294830.749		mg/L
Ag	107	167145.283	0.567	0.010156	mg/L
Cd	111	38648.576	0.132	0.010178	mg/L
Cd	114	87597.358	0.298	0.010030	mg/L
Tl	203	125049.487	0.334	0.009735	mg/L
Tl	205	304558.469	0.814	0.009790	mg/L
Pb	208	423444.658	1.131	0.009835	mg/L
Bi	209	374024.087	374024.087		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	247838.128	242639.128		mg/L
Be	9	2487.398	0.010	0.009777	mg/L
V	51	179448.235	0.401	0.010105	mg/L
Cr	52	169184.827	0.348	0.010205	mg/L
Cr	53	22543.677	0.042	0.009988	mg/L
Co	59	178740.315	0.412	0.010287	mg/L
Cu	63	92542.835	0.213	0.010203	mg/L
Cu	65	44397.398	0.102	0.010133	mg/L
Zn	66	28068.484	0.064	0.010151	mg/L
Zn	68	24227.408	0.051	0.010034	mg/L
Ge	72	433198.640	433198.640		mg/L
As	75	38193.183	0.085	0.009897	mg/L
Se	77	3558.784	0.008	0.010541	mg/L
Se	82	4195.791	0.010	0.010053	mg/L
Rh	103	304868.790	304868.790		mg/L
Ag	107	168507.298	0.552	0.009898	mg/L
Cd	111	39172.847	0.128	0.009921	mg/L
Cd	114	91208.077	0.299	0.010049	mg/L
Tl	203	129108.708	0.354	0.010300	mg/L
Tl	205	308870.621	0.841	0.010113	mg/L
Pb	208	422138.880	1.156	0.010048	mg/L
Bi	209	364978.781	364978.781		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	241605.735	241605.735		mg/L
Be	9	2555.417	0.011	0.010047	mg/L
V	51	180782.971	0.387	0.009753	mg/L
Cr	52	168523.624	0.330	0.009884	mg/L
Cr	53	23065.108	0.041	0.009733	mg/L
Co	59	180471.038	0.398	0.009943	mg/L
Cu	63	92635.861	0.204	0.009794	mg/L
Cu	65	45328.387	0.100	0.009921	mg/L
Zn	66	28587.235	0.062	0.009914	mg/L
Zn	68	24763.988	0.050	0.009819	mg/L
Ge	72	451651.835	451651.835		mg/L
As	75	40334.407	0.087	0.010029	mg/L
Se	77	3443.748	0.007	0.009720	mg/L
Se	82	4402.368	0.010	0.010117	mg/L
Rh	103	303348.503	303348.503		mg/L
Ag	107	168801.189	0.558	0.009957	mg/L
Cd	111	38879.681	0.128	0.009900	mg/L
Cd	114	89602.588	0.295	0.009928	mg/L
Tl	203	125988.481	0.342	0.009968	mg/L
Tl	205	309037.985	0.839	0.010095	mg/L
Pb	208	428707.002	1.164	0.010118	mg/L
Bi	209	368088.192	368088.192		mg/L

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Sample Information

Sample ID: 0A25028-CAL6
Autosampler Position: 6
Sample Date/Time: Monday, January 25, 2010 10:43:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CAL6.006
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	241736.443	241736.443				mg/L
	Be	9	5418.482	0.022	0.020267	0.000	0.736	mg/L
	V	51	370916.028	0.846	0.020254	0.001	3.118	mg/L
	Cr	52	337522.622	0.739	0.020321	0.001	2.851	mg/L
	Cr	53	42888.523	0.089	0.020250	0.000	0.188	mg/L
	Co	59	389335.526	0.902	0.020451	0.001	2.935	mg/L
	Cu	63	197776.348	0.458	0.020360	0.000	1.048	mg/L
	Cu	65	96658.302	0.224	0.020406	0.000	1.423	mg/L
	Zn	66	58703.300	0.135	0.020278	0.000	0.583	mg/L
	Zn	68	49119.549	0.109	0.020259	0.000	1.283	mg/L
>	Ge	72	431623.591	431623.591				mg/L
	As	75	79581.297	0.182	0.020203	0.000	1.075	mg/L
	Se	77	6537.964	0.014	0.020052	0.001	2.972	mg/L
	Se	82	8755.674	0.020	0.020209	0.000	2.412	mg/L
>	Rh	103	297378.495	297378.495				mg/L
	Ag	107	344378.595	1.158	0.020147	0.000	2.030	mg/L
	Cd	111	82382.423	0.277	0.020268	0.000	1.646	mg/L
	Cd	114	191197.553	0.643	0.020305	0.000	1.715	mg/L
	Tl	203	264216.328	0.728	0.020233	0.000	2.112	mg/L
	Tl	205	632707.141	1.744	0.020189	0.000	2.213	mg/L
	Pb	208	857630.509	2.363	0.020108	0.000	0.888	mg/L
>	Bi	209	362769.777	362769.777				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	

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	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	246080.313	246080.313		mg/L
Be	9	5488.862	0.022	0.020168	mg/L
V	51	368614.498	0.833	0.019945	mg/L
Cr	52	335680.928	0.728	0.020013	mg/L
Cr	53	43288.575	0.089	0.020283	mg/L
Co	59	398484.829	0.915	0.020748	mg/L
Cu	63	201096.485	0.461	0.020523	mg/L
Cu	65	96864.368	0.222	0.020228	mg/L
Zn	66	59233.380	0.135	0.020283	mg/L
Zn	68	49668.383	0.110	0.020407	mg/L
Ge	72	435389.527	435389.527		mg/L
As	75	79353.328	0.180	0.019968	mg/L
Se	77	6381.514	0.014	0.019402	mg/L
Se	82	8667.492	0.020	0.019828	mg/L
Rh	103	296080.935	296080.935		mg/L
Ag	107	340154.787	1.149	0.019965	mg/L
Cd	111	81655.119	0.276	0.020178	mg/L
Cd	114	187079.358	0.632	0.019954	mg/L
Tl	203	268157.838	0.745	0.020689	mg/L
Tl	205	635491.078	1.765	0.020430	mg/L
Pb	208	959822.736	2.387	0.020312	mg/L
Bi	209	380031.429	380031.429		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	241389.603	241389.603		mg/L
Be	9	5391.798	0.022	0.020184	mg/L
V	51	365180.696	0.829	0.019837	mg/L
Cr	52	333471.587	0.726	0.019900	mg/L
Cr	53	43142.820	0.089	0.020279	mg/L
Co	59	377985.080	0.871	0.019760	mg/L
Cu	63	196343.044	0.452	0.020119	mg/L
Cu	65	94368.985	0.222	0.020249	mg/L
Zn	66	58828.097	0.134	0.020157	mg/L
Zn	68	49700.282	0.110	0.020413	mg/L
Ge	72	433826.034	433826.034		mg/L
As	75	80142.823	0.182	0.020250	mg/L
Se	77	6731.785	0.015	0.020573	mg/L
Se	82	8724.545	0.020	0.020040	mg/L
Rh	103	295818.307	295818.307		mg/L
Ag	107	150672.830	1.185	0.020612	mg/L
Cd	111	83479.820	0.282	0.020638	mg/L
Cd	114	193500.589	0.854	0.020051	mg/L
Tl	203	281327.852	0.714	0.019842	mg/L
Tl	205	621839.556	1.700	0.019674	mg/L
Pb	208	858403.808	2.348	0.019979	mg/L
Bi	209	365840.450	365840.450		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	237759.411	237759.411		mg/L
Be	9	5374.786	0.023	0.020438	mg/L
V	51	378972.882	0.877	0.020981	mg/L
Cr	52	343435.353	0.784	0.020989	mg/L
Cr	53	42234.174	0.089	0.020206	mg/L
Co	59	391556.668	0.918	0.020844	mg/L
Cu	63	195887.508	0.458	0.020439	mg/L
Cu	65	96940.551	0.227	0.020741	mg/L
Zn	66	58248.444	0.136	0.020393	mg/L
Zn	68	47770.003	0.108	0.019959	mg/L
Ge	72	425655.211	425655.211		mg/L
As	75	79247.742	0.183	0.020397	mg/L
Se	77	6490.582	0.015	0.020181	mg/L
Se	82	8674.995	0.021	0.020758	mg/L
Rh	103	300138.243	300138.243		mg/L
Ag	107	342358.358	1.141	0.019843	mg/L
Cd	111	82012.329	0.273	0.019990	mg/L
Cd	114	193012.710	0.643	0.020309	mg/L
Tl	203	283183.295	0.726	0.020169	mg/L
Tl	205	640790.790	1.768	0.020464	mg/L
Pb	208	853684.888	2.354	0.020032	mg/L
Bi	209	362437.453	362437.453		mg/L

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Sample Information

Sample ID: 0A25028-CAL7
Autosampler Position: 7
Sample Date/Time: Monday, January 25, 2010 10:47:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CAL7.007
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	245586.383	245586.383				mg/L
	Be	9	13060.025	0.053	0.049672	0.000	0.418	mg/L
	V	51	910397.639	2.053	0.049853	0.001	1.394	mg/L
	Cr	52	801037.600	1.775	0.049794	0.000	0.496	mg/L
	Cr	53	98696.397	0.214	0.049766	0.001	1.589	mg/L
	Co	59	926964.090	2.104	0.049601	0.000	0.228	mg/L
	Cu	63	475251.533	1.078	0.049649	0.001	1.166	mg/L
	Cu	65	229278.002	0.520	0.049557	0.000	0.891	mg/L
	Zn	66	141978.547	0.321	0.049693	0.001	1.431	mg/L
	Zn	68	115958.376	0.259	0.049653	0.000	0.648	mg/L
>	Ge	72	440614.092	440614.092				mg/L
	As	75	195615.211	0.441	0.049843	0.000	0.872	mg/L
	Se	77	15810.477	0.035	0.049796	0.001	1.501	mg/L
	Se	82	21474.699	0.049	0.049755	0.001	2.321	mg/L
>	Rh	103	301946.787	301946.787				mg/L
	Ag	107	859995.687	2.848	0.049924	0.000	0.469	mg/L
	Cd	111	201947.929	0.669	0.049819	0.000	0.580	mg/L
	Cd	114	463952.059	1.536	0.049748	0.000	0.397	mg/L
	Tl	203	646392.777	1.742	0.049727	0.001	1.564	mg/L
	Tl	205	1548124.754	4.174	0.049710	0.000	0.206	mg/L
	Pb	208	2133633.988	5.752	0.049820	0.000	0.963	mg/L
>	Bi	209	370901.638	370901.638				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	

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	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	250646.028	250646.028		mg/L
Be	9	13268.720	0.053	0.049520	mg/L
V	51	395294.998	2.021	0.049071	mg/L
Cr	52	603464.613	1.783	0.050000	mg/L
Cr	53	99119.987	0.215	0.050041	mg/L
Co	59	926058.283	2.104	0.049602	mg/L
Cu	63	488709.141	1.064	0.049014	mg/L
Cu	65	228540.715	0.518	0.049447	mg/L
Zn	66	140533.465	0.318	0.049238	mg/L
Zn	68	115232.384	0.257	0.049386	mg/L
Ge	72	440172.263	440172.263		mg/L
As	75	193462.887	0.437	0.049341	mg/L
Se	77	15560.670	0.035	0.049044	mg/L
Se	82	20941.688	0.046	0.048569	mg/L
Rh	103	299874.574	299874.574		mg/L
Ag	107	657727.429	2.859	0.050119	mg/L
Cd	111	199718.407	0.668	0.049593	mg/L
Cd	114	459958.288	1.533	0.049845	mg/L
Tl	203	834248.552	1.745	0.049806	mg/L
Tl	205	1518843.947	4.180	0.049781	mg/L
Pb	208	2103582.380	5.788	0.050128	mg/L
Bi	209	363382.745	363382.745		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	243708.708	243708.708		mg/L
Be	9	13022.297	0.053	0.049909	mg/L
V	51	813240.988	2.083	0.050090	mg/L
Cr	52	795481.444	1.765	0.049520	mg/L
Cr	53	98706.932	0.216	0.050382	mg/L
Co	59	923390.118	2.098	0.049487	mg/L
Cu	63	475780.220	1.081	0.049784	mg/L
Cu	65	231184.644	0.525	0.050043	mg/L
Zn	66	140720.585	0.319	0.049330	mg/L
Zn	68	116598.171	0.260	0.050010	mg/L
Ge	72	439823.834	439823.834		mg/L
As	75	196287.847	0.443	0.050094	mg/L
Se	77	16016.537	0.036	0.050538	mg/L
Se	82	21823.762	0.050	0.050676	mg/L
Rh	103	304327.246	304327.246		mg/L
Ag	107	667882.597	2.852	0.049968	mg/L
Cd	111	203133.165	0.667	0.049719	mg/L
Cd	114	469743.422	1.543	0.049976	mg/L
Tl	203	834763.645	1.714	0.048912	mg/L
Tl	205	1542097.047	4.184	0.049593	mg/L
Pb	208	2141122.179	5.781	0.050068	mg/L
Bi	209	370331.480	370331.480		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	242403.413	242403.413		mg/L
Be	9	12869.056	0.053	0.049587	mg/L
V	51	922658.834	2.075	0.050399	mg/L
Cr	52	804188.743	1.778	0.049862	mg/L
Cr	53	97282.271	0.210	0.048874	mg/L
Co	59	931443.869	2.108	0.049713	mg/L
Cu	63	481258.238	1.089	0.050148	mg/L
Cu	65	228128.848	0.518	0.049182	mg/L
Zn	66	144681.591	0.327	0.050512	mg/L
Zn	68	116046.574	0.258	0.049581	mg/L
Ge	72	441746.380	441746.380		mg/L
As	75	197094.998	0.443	0.050093	mg/L
Se	77	15854.225	0.035	0.049808	mg/L
Se	82	21558.648	0.049	0.049822	mg/L
Rh	103	301538.542	301538.542		mg/L
Ag	107	654377.038	2.833	0.049685	mg/L
Cd	111	202982.215	0.673	0.050144	mg/L
Cd	114	462154.468	1.533	0.049623	mg/L
Tl	203	670166.134	1.768	0.050462	mg/L
Tl	205	1583333.768	4.178	0.049757	mg/L
Pb	208	2156187.405	5.688	0.049287	mg/L
Bi	209	378980.690	378980.690		mg/L

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Sample Information

Sample ID: 0A25028-CAL8
Autosampler Position: 8
Sample Date/Time: Monday, January 25, 2010 10:50:31
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CAL8.008
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	247001.689	247001.689				mg/L
	Be	9	25973.028	0.105	0.099589	0.002	1.643	mg/L
	V	51	1783723.177	3.973	0.099168	0.003	3.481	mg/L
	Cr	52	1541608.493	3.403	0.098912	0.004	3.798	mg/L
	Cr	53	186835.264	0.407	0.098768	0.003	2.785	mg/L
	Co	59	1833186.323	4.097	0.099194	0.002	1.946	mg/L
	Cu	63	937058.889	2.093	0.099152	0.002	1.574	mg/L
	Cu	65	461048.961	1.030	0.099570	0.001	1.171	mg/L
	Zn	66	289155.367	0.645	0.099951	0.001	1.352	mg/L
	Zn	68	232203.764	0.514	0.099715	0.002	1.610	mg/L
>	Ge	72	447491.595	447491.595				mg/L
	As	75	395113.729	0.880	0.099868	0.001	0.926	mg/L
	Se	77	32049.517	0.071	0.100081	0.001	1.481	mg/L
	Se	82	43198.116	0.097	0.099666	0.001	0.813	mg/L
>	Rh	103	302212.367	302212.367				mg/L
	Ag	107	1696144.643	5.613	0.099622	0.002	1.841	mg/L
	Cd	111	403379.944	1.335	0.099867	0.001	0.840	mg/L
	Cd	114	915890.200	3.031	0.099562	0.001	0.788	mg/L
	Tl	203	1317797.312	3.465	0.099737	0.001	1.494	mg/L
	Tl	205	3188869.609	8.385	0.099968	0.002	2.309	mg/L
	Pb	208	4370803.557	11.491	0.099890	0.002	2.116	mg/L
>	Bi	209	380408.580	380408.580				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	

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	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	255403.295	255403.295		mg/L
Be	9	26782.238	0.105	0.099302	mg/L
V	51	1838861.600	4.133	0.103148	mg/L
Cr	52	1584338.268	3.552	0.103249	mg/L
Cr	53	190980.509	0.420	0.101932	mg/L
Co	59	1857845.209	4.189	0.101422	mg/L
Cu	63	943394.871	2.126	0.100713	mg/L
Cu	65	462336.747	1.042	0.100741	mg/L
Zn	66	287854.018	0.648	0.100383	mg/L
Zn	68	233874.735	0.523	0.101342	mg/L
Ge	72	443502.082	443507.057		mg/L
As	75	386686.788	0.874	0.099128	mg/L
Se	77	31502.747	0.070	0.099258	mg/L
Se	82	43148.444	0.097	0.100443	mg/L
Rh	103	298515.545	298515.545		mg/L
Ag	107	1687879.152	5.654	0.100347	mg/L
Cd	111	598482.024	1.338	0.100120	mg/L
Cd	114	908543.283	3.047	0.100093	mg/L
Tl	203	1323594.820	3.420	0.098463	mg/L
Tl	205	3171727.501	8.198	0.097722	mg/L
Pb	208	4348582.052	11.237	0.097878	mg/L
Bi	209	386870.883	386870.883		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	241208.410	241208.410		mg/L
Be	9	25815.181	0.107	0.101350	mg/L
V	51	1758308.868	3.886	0.096984	mg/L
Cr	52	1517435.583	3.326	0.096881	mg/L
Cr	53	185572.307	0.402	0.097414	mg/L
Co	59	1824842.583	4.051	0.096095	mg/L
Cu	63	928425.218	2.081	0.097591	mg/L
Cu	65	456691.200	1.018	0.098410	mg/L
Zn	66	286648.537	0.638	0.098434	mg/L
Zn	68	230068.873	0.508	0.098132	mg/L
Ge	72	450422.915	450422.915		mg/L
As	75	398517.454	0.878	0.099572	mg/L
Se	77	32803.788	0.072	0.101792	mg/L
Se	82	43116.398	0.096	0.096826	mg/L
Rh	103	303688.664	303688.664		mg/L
Ag	107	1726931.237	5.689	0.100982	mg/L
Cd	111	606398.603	1.344	0.100550	mg/L
Cd	114	924428.474	3.042	0.099932	mg/L
Tl	203	1307485.318	3.452	0.099372	mg/L
Tl	205	3172057.433	8.375	0.099848	mg/L
Pb	208	4382405.813	11.518	0.100108	mg/L
Bi	209	378768.354	378768.354		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	244385.383	244395.383		mg/L
Be	9	25321.688	0.104	0.098115	mg/L
V	51	1756002.291	3.902	0.097373	mg/L
Cr	52	1513053.821	3.330	0.096806	mg/L
Cr	53	183952.977	0.400	0.096958	mg/L
Co	59	1818771.168	4.050	0.095064	mg/L
Cu	63	939356.580	2.094	0.099153	mg/L
Cu	65	462116.935	1.030	0.099556	mg/L
Zn	66	292982.547	0.652	0.101028	mg/L
Zn	68	232669.686	0.514	0.099670	mg/L
Ge	72	448549.810	448549.810		mg/L
As	75	400136.945	0.888	0.100905	mg/L
Se	77	31842.037	0.070	0.099198	mg/L
Se	82	43329.508	0.097	0.099730	mg/L
Rh	103	304232.892	304232.892		mg/L
Ag	107	1671823.538	5.495	0.097536	mg/L
Cd	111	602279.208	1.322	0.098932	mg/L
Cd	114	913697.884	3.003	0.098660	mg/L
Tl	203	1322301.097	3.521	0.101378	mg/L
Tl	205	3222823.883	8.583	0.102333	mg/L
Pb	208	4401412.807	11.721	0.101888	mg/L
Bi	209	375488.703	375488.703		mg/L

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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	1.06	0.00	0.999932
V	50.944	Linear Thru Zero	40.07	0.00	0.999866
Cr	51.941	Linear Thru Zero	34.40	0.00	0.999770
Cr	52.941	Linear Thru Zero	4.12	0.00	0.999718
Co	58.933	Linear Thru Zero	41.30	0.00	0.999809
Cu	62.930	Linear Thru Zero	21.11	0.00	0.999822
Cu	64.928	Linear Thru Zero	10.34	0.00	0.999887
Zn	65.926	Linear Thru Zero	6.46	0.00	0.999962
Zn	67.925	Linear Thru Zero	5.16	0.00	0.999944
Ge	71.922	Linear Thru Zero	0.00	0.00	0.000000
As	74.922	Linear Thru Zero	8.81	0.00	0.999983
Se	76.920	Linear Thru Zero	0.71	0.00	0.999988
Se	81.917	Linear Thru Zero	0.97	0.00	0.999958
Rh	102.905	Linear Thru Zero	0.00	0.00	0.000000
Ag	106.905	Linear Thru Zero	56.34	0.00	0.999970
Cd	110.904	Linear Thru Zero	13.37	0.00	0.999975
Cd	113.904	Linear Thru Zero	30.44	0.00	0.999934
Tl	202.972	Linear Thru Zero	34.74	0.00	0.999960
Tl	204.975	Linear Thru Zero	83.87	0.00	0.999973
Pb	207.977	Linear Thru Zero	115.04	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

20726

Sample Information

Sample ID: 0A25028-SCV1
Autosampler Position: 2
Sample Date/Time: Monday, January 25, 2010 10:53:56
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-SCV1.009
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	240479.393	240479.393				mg/L
	Be	9	9909.323	0.041	0.039011	0.001	1.655	mg/L
	V	51	673745.437	1.512	0.037727	0.001	1.984	mg/L
	Cr	52	617439.579	1.355	0.039375	0.000	1.061	mg/L
	Cr	53	77017.705	0.164	0.039755	0.000	0.794	mg/L
	Co	59	728007.448	1.648	0.039890	0.000	1.172	mg/L
	Cu	63	372760.716	0.843	0.039918	0.001	1.356	mg/L
	Cu	65	181605.900	0.411	0.039695	0.001	1.274	mg/L
	Zn	66	113196.315	0.255	0.039547	0.001	2.307	mg/L
	Zn	68	93570.810	0.207	0.040155	0.001	1.591	mg/L
>	Ge	72	441867.801	441867.801				mg/L
	As	75	153429.866	0.345	0.039089	0.000	1.208	mg/L
	Se	77	11969.042	0.026	0.037254	0.000	1.223	mg/L
	Se	82	15915.889	0.036	0.037182	0.001	2.749	mg/L
>	Rh	103	296410.710	296410.710				mg/L
	Ag	107	666008.703	2.247	0.039880	0.000	0.636	mg/L
	Cd	111	156636.999	0.528	0.039536	0.000	0.478	mg/L
	Cd	114	358635.742	1.210	0.039747	0.001	1.336	mg/L
	Tl	203	503057.857	1.393	0.040092	0.000	0.650	mg/L
	Tl	205	1199671.436	3.322	0.039604	0.001	2.669	mg/L
	Pb	208	1621689.538	4.489	0.039022	0.001	1.640	mg/L
>	Bi	209	361200.823	361200.823				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.061
	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	100.265
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.519
	Ag	106.905	

09727

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.888

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	243609.587	243609.587		mg/L
Be	9	10194.334	0.042	0.039587	mg/L
V	51	680752.743	1.546	0.038578	mg/L
Cr	52	614190.262	1.384	0.039639	mg/L
Cr	53	76598.189	0.165	0.040022	mg/L
Co	59	728480.369	1.868	0.040388	mg/L
Cu	63	382629.547	0.830	0.039298	mg/L
Cu	65	179171.430	0.410	0.039627	mg/L
Zn	66	111885.547	0.255	0.038481	mg/L
Zn	68	91497.475	0.205	0.039724	mg/L
Ge	72	436878.316	436878.316		mg/L
As	75	153208.177	0.348	0.039498	mg/L
Se	77	11946.877	0.027	0.037833	mg/L
Se	82	16230.873	0.037	0.038362	mg/L
Rh	103	295953.528	295953.528		mg/L
Ag	107	662757.278	2.239	0.039747	mg/L
Cd	111	157212.773	0.531	0.039743	mg/L
Cd	114	383555.228	1.228	0.040353	mg/L
Tl	203	508333.808	1.401	0.040324	mg/L
Tl	205	1202423.073	3.326	0.039661	mg/L
Pb	208	1600723.337	4.428	0.038488	mg/L
Bi	209	361458.172	361458.172		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	236329.577	236329.577		mg/L
Be	9	9758.820	0.041	0.039135	mg/L
V	51	664683.368	1.489	0.037681	mg/L
Cr	52	621813.594	1.362	0.039582	mg/L
Cr	53	77272.377	0.184	0.039836	mg/L
Co	59	727817.183	1.645	0.039823	mg/L
Cu	63	375488.858	0.848	0.040180	mg/L
Cu	65	184306.668	0.416	0.040231	mg/L
Zn	66	116050.630	0.261	0.040491	mg/L
Zn	68	95368.553	0.211	0.040689	mg/L
Ge	72	442457.672	442457.672		mg/L
As	75	154079.186	0.345	0.039200	mg/L
Se	77	12025.791	0.026	0.037380	mg/L
Se	82	15678.779	0.035	0.036572	mg/L
Rh	103	298031.214	298031.214		mg/L
Ag	107	662490.243	2.238	0.039721	mg/L
Cd	111	156270.385	0.528	0.039494	mg/L
Cd	114	356134.574	1.203	0.039519	mg/L
Tl	203	498128.995	1.384	0.040143	mg/L
Tl	205	1219805.571	3.408	0.040832	mg/L
Pb	208	1636281.480	4.571	0.039732	mg/L
Bi	209	357920.324	357920.324		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	241299.035	241299.035		mg/L
Be	9	9784.815	0.040	0.038313	mg/L
V	51	675800.179	1.500	0.037445	mg/L
Cr	52	618514.680	1.338	0.038893	mg/L
Cr	53	77182.548	0.182	0.039406	mg/L
Co	59	727714.793	1.630	0.039400	mg/L
Cu	63	380166.843	0.851	0.040295	mg/L
Cu	65	181339.601	0.406	0.039227	mg/L
Zn	66	111852.789	0.250	0.038670	mg/L
Zn	68	93848.403	0.206	0.039353	mg/L
Ge	72	446469.414	446469.414		mg/L
As	75	153004.238	0.340	0.038572	mg/L
Se	77	11934.858	0.026	0.036748	mg/L
Se	82	15838.015	0.035	0.036612	mg/L
Rh	103	297247.389	297247.389		mg/L
Ag	107	672778.591	2.263	0.040173	mg/L
Cd	111	156427.839	0.526	0.039372	mg/L
Cd	114	356217.426	1.198	0.039387	mg/L
Tl	203	503710.765	1.383	0.039810	mg/L
Tl	205	1176785.665	3.231	0.038520	mg/L
Pb	208	1628083.784	4.469	0.038848	mg/L
Bi	209	364225.972	364225.972		mg/L

00728

Sample Information

Sample ID: 0A25028-CCB
Autosampler Position: 1
Sample Date/Time: Monday, January 25, 2010 10:57:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCB.010
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	240740.304	240740.304				mg/L
	Be	9	6.667	0.000	0.000012	0.000	51.003	mg/L
	V	51	5453.842	-0.000	-0.000011	0.000	172.785	mg/L
	Cr	52	18710.850	0.001	0.000038	0.000	80.475	mg/L
	Cr	53	4747.733	0.001	0.000187	0.000	10.812	mg/L
	Co	59	163.003	0.000	0.000004	0.000	13.107	mg/L
	Cu	63	363.678	0.000	0.000007	0.000	37.602	mg/L
	Cu	65	211.338	0.000	0.000010	0.000	59.170	mg/L
	Zn	66	352.678	-0.000	-0.000003	0.000	253.652	mg/L
	Zn	68	1992.258	0.000	0.000010	0.000	96.488	mg/L
>	Ge	72	423907.635	423907.635				mg/L
	As	75	1211.887	0.000	0.000012	0.000	283.316	mg/L
	Se	77	325.343	0.000	0.000113	0.000	29.169	mg/L
	Se	82	3.364	-0.000	-0.000011	0.000	1053.967	mg/L
>	Rh	103	289948.900	289948.900				mg/L
	Ag	107	349.011	0.001	0.000020	0.000	28.471	mg/L
	Cd	111	15.197	0.000	0.000001	0.000	106.634	mg/L
	Cd	114	48.683	0.000	0.000004	0.000	29.336	mg/L
	Tl	203	94.001	0.000	0.000005	0.000	43.580	mg/L
	Tl	205	183.004	0.000	0.000004	0.000	22.842	mg/L
	Pb	208	505.011	0.001	0.000005	0.000	30.162	mg/L
>	Bi	209	355195.385	355195.385				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.170
	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	96.190
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.284
	Ag	106.905	

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	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.228

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	245871.870	245871.870		mg/L
Be	9	7.000	0.000	0.000013	mg/L
V	51	5685.437	0.000	0.000011	mg/L
Cr	52	19391.730	0.002	0.000069	mg/L
Cr	53	4798.429	0.001	0.000183	mg/L
Co	59	175.004	0.000	0.000005	mg/L
Cu	63	378.012	0.000	0.000008	mg/L
Cu	65	209.005	0.000	0.000008	mg/L
Zn	66	382.013	0.000	0.000006	mg/L
Zn	68	2029.287	0.000	0.000018	mg/L
Ge	72	429000.570	429000.570		mg/L
As	75	1348.988	0.000	0.000045	mg/L
Se	77	334.010	0.000	0.000128	mg/L
Se	82	53.526	0.000	0.000110	mg/L
Rh	103	297381.034	297381.034		mg/L
Ag	107	442.018	0.001	0.000025	mg/L
Cd	111	14.142	0.000	0.000000	mg/L
Cd	114	60.931	0.000	0.000005	mg/L
Tl	203	121.002	0.000	0.000007	mg/L
Tl	205	212.008	0.000	0.000005	mg/L
Pb	208	561.013	0.001	0.000008	mg/L
Bi	209	351550.530	351550.530		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	238138.027	238138.027		mg/L
Be	9	8.000	0.000	0.000017	mg/L
V	51	5330.348	-0.001	-0.000020	mg/L
Cr	52	18392.458	0.000	0.000006	mg/L
Cr	53	4746.399	0.001	0.000168	mg/L
Co	59	163.003	0.000	0.000004	mg/L
Cu	63	338.010	0.000	0.000004	mg/L
Cu	65	240.008	0.000	0.000018	mg/L
Zn	66	351.011	0.000	0.000005	mg/L
Zn	68	1981.255	-0.000	-0.000001	mg/L
Ge	72	426587.272	426587.272		mg/L
As	75	1233.750	0.000	0.000017	mg/L
Se	77	316.009	0.000	0.000075	mg/L
Se	82	1.374	0.000	0.000015	mg/L
Rh	103	258377.869	258377.869		mg/L
Ag	107	365.012	0.001	0.000022	mg/L
Cd	111	16.313	0.000	0.000002	mg/L
Cd	114	42.911	0.000	0.000003	mg/L
Tl	203	93.001	0.000	0.000005	mg/L
Tl	205	180.004	0.000	0.000004	mg/L
Pb	208	497.011	0.000	0.000004	mg/L
Bi	209	357117.971	357117.971		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	238210.014	238210.014		mg/L
Be	9	5.000	0.000	0.000005	mg/L
V	51	5145.741	0.001	-0.000023	mg/L
Cr	52	18348.561	0.001	0.000038	mg/L
Cr	53	4698.371	0.001	0.000208	mg/L
Co	59	151.003	0.000	0.000004	mg/L
Cu	63	375.012	0.000	0.000009	mg/L
Cu	65	165.004	0.000	0.000005	mg/L
Zn	66	325.010	0.000	-0.000011	mg/L
Zn	68	1568.252	0.000	0.000015	mg/L
Ge	72	416135.082	416135.082		mg/L
As	75	1052.928	0.000	0.000025	mg/L
Se	77	326.010	0.000	0.000135	mg/L
Se	82	44.812	0.000	0.000130	mg/L
Rh	103	284087.987	284087.987		mg/L
Ag	107	240.008	0.001	0.000014	mg/L
Cd	111	13.134	0.000	0.000000	mg/L
Cd	114	42.208	0.000	0.000003	mg/L
Tl	203	98.001	0.000	0.000003	mg/L
Tl	205	157.003	0.000	0.000003	mg/L
Pb	208	457.009	0.000	0.000003	mg/L
Bi	209	356917.655	356917.655		mg/L

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Sample Information

Sample ID: 0A25028-CRL1
Autosampler Position: 3
Sample Date/Time: Monday, January 25, 2010 11:00:41
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CRL1.011
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	243140.080	243140.080				mg/L
	Be	9	58.001	0.000	0.000212	0.000	6.803	mg/L
	V	51	9276.511	0.009	0.000218	0.000	3.924	mg/L
	Cr	52	22056.376	0.010	0.000278	0.000	13.627	mg/L
	Cr	53	4946.184	0.001	0.000320	0.000	17.792	mg/L
	Co	59	3694.856	0.009	0.000207	0.000	1.835	mg/L
	Cu	63	2170.971	0.004	0.000211	0.000	2.423	mg/L
	Cu	65	1129.088	0.002	0.000221	0.000	2.087	mg/L
	Zn	66	1126.087	0.002	0.000282	0.000	5.502	mg/L
	Zn	68	2592.096	0.002	0.000292	0.000	7.898	mg/L
>	Ge	72	420945.738	420945.738				mg/L
	As	75	1948.318	0.002	0.000213	0.000	6.154	mg/L
	Se	77	358.345	0.000	0.000231	0.000	21.736	mg/L
	Se	82	111.184	0.000	0.000255	0.000	16.675	mg/L
>	Rh	103	293478.767	293478.767				mg/L
	Ag	107	3303.688	0.011	0.000199	0.000	1.427	mg/L
	Cd	111	792.356	0.003	0.000199	0.000	2.329	mg/L
	Cd	114	1797.337	0.006	0.000199	0.000	3.968	mg/L
	Tl	203	2510.070	0.007	0.000205	0.000	2.243	mg/L
	Tl	205	6024.237	0.017	0.000204	0.000	3.429	mg/L
	Pb	208	8812.579	0.024	0.000212	0.000	1.076	mg/L
>	Bi	209	348899.806	348899.806				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	101.169
	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	95.518
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.505
	Ag	106.905	

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	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

96.487

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	248680.417	248680.417		mg/L
Be	9	57.001	0.000	0.000203	mg/L
V	51	9445.001	0.009	0.000228	mg/L
Cr	52	22420.344	0.010	0.000303	mg/L
Cr	53	5080.587	0.002	0.000385	mg/L
Co	59	3651.638	0.008	0.000205	mg/L
Cu	63	2208.314	0.005	0.000215	mg/L
Cu	65	1132.088	0.002	0.000222	mg/L
Zn	66	1163.093	0.002	0.000296	mg/L
Zn	68	2649.448	0.002	0.000319	mg/L
Ge	72	421021.810	421021.810		mg/L
As	75	1991.008	0.002	0.000225	mg/L
Se	77	375.012	0.000	0.000287	mg/L
Se	82	102.401	0.000	0.000233	mg/L
Rh	103	291845.343	291845.343		mg/L
Ag	107	3311.691	0.011	0.000200	mg/L
Cd	111	768.529	0.003	0.000184	mg/L
Cd	114	1783.748	0.008	0.000189	mg/L
Tl	203	2404.371	0.007	0.000200	mg/L
Tl	205	6015.230	0.017	0.000208	mg/L
Pb	208	8710.871	0.025	0.000214	mg/L
Bi	209	342151.099	342151.099		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	242070.952	242070.952		mg/L
Be	9	62.001	0.000	0.000228	mg/L
V	51	9091.801	0.008	0.000213	mg/L
Cr	52	22083.443	0.010	0.000297	mg/L
Cr	53	4844.456	0.001	0.000293	mg/L
Co	59	3728.871	0.008	0.000212	mg/L
Cu	63	2183.302	0.004	0.000213	mg/L
Cu	65	1095.083	0.002	0.000218	mg/L
Zn	66	1123.087	0.002	0.000286	mg/L
Zn	68	2544.414	0.001	0.000284	mg/L
Ge	72	416204.400	416204.400		mg/L
As	75	1873.584	0.002	0.000199	mg/L
Se	77	342.010	0.000	0.000189	mg/L
Se	82	129.772	0.000	0.000304	mg/L
Rh	103	292595.997	292595.997		mg/L
Ag	107	3239.662	0.011	0.000196	mg/L
Cd	111	908.318	0.003	0.000203	mg/L
Cd	114	1884.483	0.008	0.000207	mg/L
Tl	203	2587.427	0.007	0.000205	mg/L
Tl	205	5958.188	0.016	0.000198	mg/L
Pb	208	8980.982	0.024	0.000209	mg/L
Bi	209	358942.938	358942.938		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	238668.871	238668.871		mg/L
Be	9	55.001	0.000	0.000204	mg/L
V	51	9292.931	0.009	0.000213	mg/L
Cr	52	21665.343	0.008	0.000234	mg/L
Cr	53	4933.509	0.001	0.000281	mg/L
Co	59	3703.880	0.008	0.000208	mg/L
Cu	63	2143.297	0.004	0.000205	mg/L
Cu	65	1160.092	0.002	0.000225	mg/L
Zn	66	1092.082	0.002	0.000265	mg/L
Zn	68	2582.428	0.001	0.000275	mg/L
Ge	72	425811.205	425811.205		mg/L
As	75	1980.383	0.002	0.000216	mg/L
Se	77	358.011	0.000	0.000217	mg/L
Se	82	101.378	0.000	0.000228	mg/L
Rh	103	295984.960	295984.960		mg/L
Ag	107	3358.711	0.011	0.000201	mg/L
Cd	111	802.222	0.003	0.000200	mg/L
Cd	114	1743.771	0.008	0.000192	mg/L
Tl	203	2538.412	0.007	0.000209	mg/L
Tl	205	6099.292	0.017	0.000209	mg/L
Pb	208	8765.875	0.024	0.000213	mg/L
Bi	209	345805.381	345805.381		mg/L

00732

Sample Information

Sample ID: 0A25028-CRL2
Autosampler Position: 4
Sample Date/Time: Monday, January 25, 2010 11:04:05
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CRL2.012
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	245106.895	245106.895				mg/L
	Be	9	253.006	0.001	0.000963	0.000	7.193	mg/L
	V	51	23834.577	0.041	0.001025	0.000	3.268	mg/L
	Cr	52	34554.180	0.036	0.001046	0.000	3.403	mg/L
	Cr	53	6420.205	0.004	0.001021	0.000	5.539	mg/L
	Co	59	18400.146	0.042	0.001011	0.000	3.090	mg/L
	Cu	63	9802.537	0.022	0.001026	0.000	6.317	mg/L
	Cu	65	4768.414	0.010	0.001014	0.000	6.568	mg/L
	Zn	66	3234.994	0.007	0.001011	0.000	3.358	mg/L
	Zn	68	4364.853	0.005	0.001029	0.000	4.084	mg/L
>	Ge	72	438431.544	438431.544				mg/L
	As	75	4964.180	0.009	0.000973	0.000	4.016	mg/L
	Se	77	636.697	0.001	0.001080	0.000	8.780	mg/L
	Se	82	358.571	0.001	0.000826	0.000	8.392	mg/L
>	Rh	103	297699.127	297699.127				mg/L
	Ag	107	16188.540	0.054	0.000964	0.000	2.804	mg/L
	Cd	111	3941.709	0.013	0.000988	0.000	3.034	mg/L
	Cd	114	8970.396	0.030	0.000988	0.000	2.491	mg/L
	Tl	203	12732.850	0.035	0.001016	0.000	2.140	mg/L
	Tl	205	30815.192	0.086	0.001019	0.000	1.509	mg/L
	Pb	208	41476.991	0.114	0.000995	0.000	1.206	mg/L
>	Bi	209	359721.795	359721.795				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	101.987
	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	99.485
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.964
	Ag	106.905	

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	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.479

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	248852.441	248852.441		mg/L
Be	9	268.007	0.001	0.000998	mg/L
V	51	23742.878	0.040	0.000997	mg/L
Cr	52	34803.874	0.035	0.001023	mg/L
Cr	53	6648.716	0.004	0.001086	mg/L
Co	59	18080.731	0.040	0.000976	mg/L
Cu	63	9459.460	0.021	0.000971	mg/L
Cu	65	4578.302	0.010	0.000954	mg/L
Zn	66	3181.639	0.006	0.000973	mg/L
Zn	68	4330.168	0.005	0.000981	mg/L
Ge	72	445818.978	445918.978		mg/L
As	75	3920.150	0.008	0.000940	mg/L
Se	77	620.029	0.001	0.000992	mg/L
Se	82	392.419	0.001	0.000890	mg/L
Rh	103	300704.183	300704.183		mg/L
Ag	107	15894.302	0.053	0.000937	mg/L
Cd	111	3921.212	0.013	0.000972	mg/L
Cd	114	8803.921	0.029	0.000960	mg/L
Tl	203	12885.098	0.036	0.001037	mg/L
Tl	205	30718.821	0.086	0.001024	mg/L
Pb	208	41573.708	0.116	0.001004	mg/L
Bi	209	357028.158	357028.158		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	242738.974	242738.974		mg/L
Be	9	262.007	0.001	0.001008	mg/L
V	51	23465.171	0.041	0.001016	mg/L
Cr	52	33981.401	0.035	0.001027	mg/L
Cr	53	6297.442	0.004	0.000988	mg/L
Co	59	18486.687	0.042	0.001025	mg/L
Cu	63	9561.578	0.021	0.001009	mg/L
Cu	65	4673.357	0.010	0.001002	mg/L
Zn	66	3282.879	0.007	0.001038	mg/L
Zn	68	4364.186	0.005	0.001046	mg/L
Ge	72	434418.824	434418.824		mg/L
As	75	4881.078	0.008	0.000983	mg/L
Se	77	682.033	0.001	0.001180	mg/L
Se	82	324.323	0.001	0.000753	mg/L
Rh	103	292791.695	292791.695		mg/L
Ag	107	16368.223	0.056	0.000991	mg/L
Cd	111	4012.941	0.014	0.001022	mg/L
Cd	114	8974.644	0.031	0.001005	mg/L
Tl	203	12687.055	0.035	0.001018	mg/L
Tl	205	31483.600	0.087	0.001032	mg/L
Pb	208	41279.568	0.113	0.000981	mg/L
Bi	209	367822.689	367822.689		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	243729.268	243729.288		mg/L
Be	9	231.008	0.001	0.000883	mg/L
V	51	24295.681	0.043	0.001062	mg/L
Cr	52	34887.265	0.037	0.001087	mg/L
Cr	53	6314.455	0.004	0.000991	mg/L
Co	59	18653.038	0.043	0.001033	mg/L
Cu	63	10388.573	0.023	0.001096	mg/L
Cu	65	5055.584	0.011	0.001085	mg/L
Zn	66	3240.662	0.007	0.001022	mg/L
Zn	68	4400.205	0.005	0.001060	mg/L
Ge	72	434957.632	434957.632		mg/L
As	75	5091.313	0.009	0.001018	mg/L
Se	77	628.030	0.001	0.001087	mg/L
Se	82	358.970	0.001	0.000834	mg/L
Rh	103	299801.503	299801.503		mg/L
Ag	107	16303.095	0.054	0.000965	mg/L
Cd	111	3860.975	0.013	0.000988	mg/L
Cd	114	9132.822	0.030	0.001000	mg/L
Tl	203	12436.397	0.035	0.000994	mg/L
Tl	205	30263.154	0.084	0.001002	mg/L
Pb	208	41577.699	0.115	0.000998	mg/L
Bi	209	359316.538	359316.538		mg/L

99734

Sample Information

Sample ID: 0A25028-IFA1
Autosampler Position: 10
Sample Date/Time: Monday, January 25, 2010 11:07:29
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-IFA1.013
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	260607.366	260607.366				mg/L
	Be	9	3.333	-0.000	-0.000002	0.000	238.534	mg/L
	V	51	6889.866	0.002	0.000050	0.000	31.873	mg/L
	Cr	52	23669.151	0.010	0.000281	0.000	10.003	mg/L
	Cr	53	7204.520	0.006	0.001348	0.000	11.208	mg/L
	Co	59	299.342	0.000	0.000011	0.000	2.070	mg/L
	Cu	63	3137.289	0.006	0.000296	0.000	4.862	mg/L
	Cu	65	1544.826	0.003	0.000293	0.000	4.705	mg/L
	Zn	66	5085.270	0.010	0.001615	0.000	2.824	mg/L
	Zn	68	4807.101	0.006	0.001166	0.000	1.919	mg/L
>	Ge	72	450666.183	450666.183				mg/L
	As	75	1185.035	-0.000	-0.000013	0.000	42.920	mg/L
	Se	77	573.025	0.001	0.000824	0.000	2.933	mg/L
	Se	82	22.933	0.000	0.000034	0.000	63.397	mg/L
>	Rh	103	279349.412	279349.412				mg/L
	Ag	107	241.006	0.001	0.000014	0.000	11.988	mg/L
	Cd	111	130.750	0.000	0.000032	0.000	119.110	mg/L
	Cd	114	2392.981	0.009	0.000280	0.000	0.625	mg/L
	Tl	203	54.667	0.000	0.000002	0.000	77.701	mg/L
	Tl	205	115.002	0.000	0.000002	0.000	62.360	mg/L
	Pb	208	741.687	0.001	0.000011	0.000	9.211	mg/L
>	Bi	209	353225.686	353225.686				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	108.437
	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	102.261
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	96.618
	Ag	106.905	

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	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.683

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	265892.038	265892.038		mg/L
Be	9	3.000	-0.000	-0.000004	mg/L
V	51	7022.987	0.002	0.000060	mg/L
Cr	52	23008.953	0.008	0.000249	mg/L
Cr	53	7458.412	0.006	0.001512	mg/L
Co	59	286.008	0.000	0.000011	mg/L
Cu	63	2971.559	0.006	0.000281	mg/L
Cu	65	1481.143	0.003	0.000277	mg/L
Zn	66	4907.494	0.010	0.001568	mg/L
Zn	68	4718.383	0.006	0.001142	mg/L
Ge	72	447870.351	447870.351		mg/L
As	75	1203.007	-0.000	0.000007	mg/L
Se	77	578.028	0.001	0.000852	mg/L
Se	82	11.938	0.000	0.000009	mg/L
Rh	103	280047.593	280047.593		mg/L
Ag	107	267.007	0.001	0.000016	mg/L
Cd	111	-27.668	-0.000	-0.000011	mg/L
Cd	114	2381.845	0.008	0.000278	mg/L
Tl	203	77.001	0.000	0.000004	mg/L
Tl	205	157.003	0.000	0.000003	mg/L
Pb	208	735.020	0.001	0.000010	mg/L
Bi	209	364353.384	364353.384		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	256576.533	256576.533		mg/L
Be	9	2.000	0.000	-0.000007	mg/L
V	51	7000.372	0.002	0.000058	mg/L
Cr	52	23751.036	0.010	0.000297	mg/L
Cr	53	7108.101	0.005	0.001320	mg/L
Co	59	294.008	0.000	0.000011	mg/L
Cu	63	3242.663	0.007	0.000310	mg/L
Cu	65	1563.182	0.003	0.000299	mg/L
Zn	66	5167.653	0.011	0.001655	mg/L
Zn	68	4787.423	0.006	0.001171	mg/L
Ge	72	447769.470	447769.470		mg/L
As	75	1162.009	-0.000	-0.000017	mg/L
Se	77	586.025	0.001	0.000813	mg/L
Se	82	28.502	0.000	0.000047	mg/L
Rh	103	279257.731	279257.731		mg/L
Ag	107	244.008	0.001	0.000015	mg/L
Cd	111	244.325	0.001	0.000062	mg/L
Cd	114	2402.089	0.008	0.000281	mg/L
Tl	203	47.001	0.000	0.000001	mg/L
Tl	205	111.002	0.000	0.000002	mg/L
Pb	208	774.022	0.001	0.000012	mg/L
Bi	209	347494.579	347494.579		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	259253.527	259253.527		mg/L
Be	9	5.000	0.000	0.000004	mg/L
V	51	6848.240	0.001	0.000032	mg/L
Cr	52	24248.484	0.010	0.000298	mg/L
Cr	53	7048.048	0.005	0.001213	mg/L
Co	59	308.009	0.000	0.000011	mg/L
Cu	63	3197.645	0.008	0.000298	mg/L
Cu	65	1610.172	0.003	0.000303	mg/L
Zn	66	5160.682	0.010	0.001625	mg/L
Zn	68	4915.498	0.006	0.001188	mg/L
Ge	72	456556.727	456556.727		mg/L
As	75	1190.068	-0.000	-0.000016	mg/L
Se	77	575.028	0.001	0.000807	mg/L
Se	82	28.381	0.000	0.000046	mg/L
Rh	103	278742.913	278742.913		mg/L
Ag	107	212.005	0.001	0.000013	mg/L
Cd	111	175.614	0.001	0.000044	mg/L
Cd	114	2395.028	0.009	0.000280	mg/L
Tl	203	40.000	0.000	0.000001	mg/L
Tl	205	77.001	0.000	0.000001	mg/L
Pb	208	716.018	0.001	0.000010	mg/L
Bi	209	347829.114	347829.114		mg/L

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Sample Information

Sample ID: 0A25028-IFB1
Autosampler Position: 11
Sample Date/Time: Monday, January 25, 2010 11:10:51
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-IFB1.014
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	270317.538	270317.538				mg/L
	Be	9	6047.588	0.022	0.021178	0.000	1.672	mg/L
	V	51	394743.175	0.853	0.021295	0.000	0.547	mg/L
	Cr	52	360362.832	0.748	0.021748	0.000	2.020	mg/L
	Cr	53	47036.881	0.093	0.022518	0.001	2.235	mg/L
	Co	59	387088.778	0.850	0.020569	0.000	1.368	mg/L
	Cu	63	190916.616	0.418	0.019817	0.000	1.741	mg/L
	Cu	65	92004.565	0.202	0.019485	0.000	1.867	mg/L
	Zn	66	63568.563	0.139	0.021480	0.000	1.416	mg/L
	Zn	68	52028.838	0.110	0.021241	0.000	2.037	mg/L
>	Ge	72	455546.634	455546.634				mg/L
	As	75	79688.305	0.172	0.019537	0.000	0.415	mg/L
	Se	77	6462.903	0.013	0.019048	0.000	1.382	mg/L
	Se	82	8020.775	0.018	0.018163	0.000	0.911	mg/L
>	Rh	103	281913.902	281913.902				mg/L
	Ag	107	310360.642	1.101	0.019540	0.000	1.141	mg/L
	Cd	111	73886.713	0.262	0.019608	0.000	1.552	mg/L
	Cd	114	172254.456	0.611	0.020072	0.000	0.736	mg/L
	Tl	203	241950.113	0.689	0.019844	0.000	1.466	mg/L
	Tl	205	582806.749	1.660	0.019797	0.000	0.763	mg/L
	Pb	208	774938.012	2.207	0.019184	0.000	0.778	mg/L
>	Bi	209	350989.182	350989.182				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	112.477
	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	103.369
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	97.505
	Ag	106.905	

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	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.064

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0A25028-IFB1	Cr	53	

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	276508 197	276508 197		mg/L
Be	9	6073 273	0 022	0 020788	mg/L
V	51	391328 422	0 848	0 021171	mg/L
Cr	52	351356 601	0 731	0 021241	mg/L
Cr	53	45919 627	0 091	0 021985	mg/L
Co	59	380744 437	0 838	0 020292	mg/L
Cu	63	189129 986	0 416	0 019688	mg/L
Cu	65	90132 708	0 196	0 019148	mg/L
Zn	66	62381 236	0 136	0 021140	mg/L
Zn	68	50856 218	0 107	0 020808	mg/L
Ge	72	454197 792	454197 792		mg/L
As	75	79768 041	0 173	0 019815	mg/L
Se	77	8353 485	0 013	0 018758	mg/L
Se	82	7920 833	0 017	0 017989	mg/L
Rh	103	282120 812	282120 812		mg/L
Ag	107	306527 754	1 088	0 019284	mg/L
Cd	111	73217 558	0 258	0 019415	mg/L
Cd	114	171451 554	0 606	0 019983	mg/L
Tl	203	238925 080	0 685	0 019716	mg/L
Tl	205	580519 175	1 664	0 019841	mg/L
Pb	208	763381 935	2 188	0 019016	mg/L
Bi	209	348811 952	348811 952		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	265378 879	265378 879		mg/L
Be	9	5983 192	0 022	0 021268	mg/L
V	51	384452 197	0 858	0 021403	mg/L
Cr	52	362313 221	0 757	0 022006	mg/L
Cr	53	47868 423	0 095	0 022998	mg/L
Co	59	390222 195	0 861	0 020854	mg/L
Cu	63	193580 503	0 427	0 020208	mg/L
Cu	65	91259 688	0 201	0 019439	mg/L
Zn	66	63478 471	0 139	0 021573	mg/L
Zn	68	51730 582	0 110	0 021242	mg/L
Ge	72	452950 569	452950 569		mg/L
As	75	79252 331	0 172	0 019541	mg/L
Se	77	6503 602	0 014	0 019290	mg/L
Se	82	8043 457	0 018	0 018318	mg/L
Rh	103	284384 872	284384 872		mg/L
Ag	107	315568 080	1 110	0 019895	mg/L
Cd	111	73842 525	0 260	0 019451	mg/L
Cd	114	173258 895	0 609	0 020013	mg/L
Tl	203	243577 937	0 701	0 020177	mg/L
Tl	205	590853 037	1 671	0 019921	mg/L
Pb	208	771886 815	2 220	0 019301	mg/L
Bi	209	347488 328	347488 328		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	269088 538	269088 538		mg/L
Be	9	6108 297	0 023	0 021479	mg/L
V	51	398448 906	0 854	0 021310	mg/L
Cr	52	367418 878	0 757	0 021998	mg/L
Cr	53	47522 582	0 093	0 022558	mg/L
Co	59	390298 702	0 848	0 020581	mg/L
Cu	63	190039 347	0 413	0 019555	mg/L
Cu	65	89821 087	0 200	0 019869	mg/L
Zn	66	64847 984	0 140	0 021726	mg/L
Zn	68	53498 717	0 112	0 021873	mg/L
Ge	72	459481 542	459481 542		mg/L
As	75	80043 542	0 171	0 019454	mg/L
Se	77	6531 824	0 014	0 019087	mg/L
Se	82	8098 236	0 018	0 018160	mg/L
Rh	103	279236 021	279236 021		mg/L
Ag	107	308988 113	1 106	0 019640	mg/L
Cd	111	74500 058	0 267	0 019958	mg/L
Cd	114	172052 919	0 616	0 020240	mg/L
Tl	203	243347 343	0 682	0 019639	mg/L
Tl	205	587248 038	1 648	0 019629	mg/L
Pb	208	769545 487	2 213	0 019235	mg/L
Bi	209	356687 287	356687 287		mg/L

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Sample Information

Sample ID: 0A25028-CCV 2
Autosampler Position: 2
Sample Date/Time: Monday, January 25, 2010 11:14:13
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCV.015
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	256809.334	256809.334				mg/L
	Be	9	11353.182	0.044	0.041850	0.001	1.929	mg/L
	V	51	743324.949	1.655	0.041293	0.001	1.452	mg/L
	Cr	52	665195.673	1.450	0.042142	0.001	3.420	mg/L
	Cr	53	81902.079	0.173	0.042057	0.001	3.124	mg/L
	Co	59	760906.823	1.707	0.041333	0.000	1.123	mg/L
	Cu	63	384482.666	0.862	0.040824	0.000	1.200	mg/L
	Cu	65	184833.850	0.414	0.040055	0.000	0.931	mg/L
	Zn	66	117457.529	0.263	0.040685	0.000	0.850	mg/L
	Zn	68	95633.941	0.210	0.040701	0.000	0.618	mg/L
>	Ge	72	445711.655	445711.655				mg/L
	As	75	157622.874	0.351	0.039817	0.000	1.227	mg/L
	Se	77	12153.979	0.027	0.037514	0.001	2.312	mg/L
	Se	82	16295.653	0.037	0.037737	0.000	0.972	mg/L
>	Rh	103	283803.897	283803.897				mg/L
	Ag	107	645640.631	2.275	0.040388	0.001	2.227	mg/L
	Cd	111	149491.314	0.527	0.039423	0.001	3.121	mg/L
	Cd	114	346396.812	1.221	0.040108	0.001	2.776	mg/L
	Tl	203	488777.427	1.386	0.039894	0.001	2.441	mg/L
	Tl	205	1182603.895	3.353	0.039977	0.001	1.728	mg/L
	Pb	208	1603293.793	4.545	0.039509	0.001	2.185	mg/L
>	Bi	209	352698.945	352698.945				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	106.856
	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	101.137
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.158
	Ag	106.905	

09739

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.537

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	283452.214	283452.214		mg/L
Be	9	11637.520	0.045	0.042541	mg/L
V	51	744426.717	1.678	0.041887	mg/L
Cr	52	878157.492	1.496	0.043548	mg/L
Cr	53	83610.178	0.180	0.043559	mg/L
Co	59	755855.092	1.717	0.041562	mg/L
Cu	63	383464.933	0.871	0.041239	mg/L
Cu	65	184348.602	0.419	0.040459	mg/L
Zn	66	118221.995	0.263	0.040772	mg/L
Zn	68	94520.870	0.210	0.040743	mg/L
Ge	72	440071.125	440071.125		mg/L
As	75	157744.479	0.358	0.040359	mg/L
Se	77	12238.102	0.027	0.038269	mg/L
Se	82	16284.932	0.037	0.038146	mg/L
Rh	103	289735.588	289735.588		mg/L
Ag	107	643501.183	2.221	0.038421	mg/L
Cd	111	147175.570	0.508	0.038004	mg/L
Cd	114	342552.274	1.182	0.038838	mg/L
Tl	203	480240.968	1.357	0.039066	mg/L
Tl	205	1163151.583	3.287	0.039188	mg/L
Pb	208	1568878.250	4.433	0.038531	mg/L
Bi	209	353871.768	353871.768		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	255732.158	255732.158		mg/L
Be	9	11064.451	0.043	0.040863	mg/L
V	51	753461.785	1.655	0.041304	mg/L
Cr	52	875167.306	1.452	0.042208	mg/L
Cr	53	81272.198	0.170	0.041123	mg/L
Co	59	761101.958	1.685	0.040798	mg/L
Cu	63	390798.778	0.865	0.040948	mg/L
Cu	65	185764.521	0.411	0.039724	mg/L
Zn	66	117915.555	0.260	0.040305	mg/L
Zn	68	96280.984	0.208	0.040431	mg/L
Ge	72	451640.231	451640.231		mg/L
As	75	159180.903	0.350	0.039676	mg/L
Se	77	12014.775	0.026	0.036566	mg/L
Se	82	16484.603	0.038	0.037625	mg/L
Rh	103	280488.045	280488.045		mg/L
Ag	107	640733.638	2.284	0.040545	mg/L
Cd	111	150831.958	0.537	0.040179	mg/L
Cd	114	348355.657	1.245	0.040915	mg/L
Tl	203	500795.678	1.423	0.040487	mg/L
Tl	205	1194501.883	3.394	0.040471	mg/L
Pb	208	1628208.481	4.620	0.040164	mg/L
Bi	209	351892.523	351892.523		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	251243.631	251243.631		mg/L
Be	9	11157.578	0.044	0.042048	mg/L
V	51	732088.345	1.630	0.040688	mg/L
Cr	52	642267.223	1.399	0.040668	mg/L
Cr	53	80823.863	0.171	0.041488	mg/L
Co	59	765763.408	1.719	0.041621	mg/L
Cu	63	379184.788	0.851	0.040283	mg/L
Cu	65	184387.428	0.414	0.039981	mg/L
Zn	66	116235.037	0.285	0.040980	mg/L
Zn	68	96099.880	0.211	0.040929	mg/L
Ge	72	445423.608	445423.608		mg/L
As	75	155943.239	0.347	0.039412	mg/L
Se	77	12209.059	0.027	0.037708	mg/L
Se	82	16157.423	0.036	0.037438	mg/L
Rh	103	281188.059	281188.059		mg/L
Ag	107	652887.065	2.327	0.041199	mg/L
Cd	111	150666.414	0.536	0.040088	mg/L
Cd	114	347282.504	1.240	0.040571	mg/L
Tl	203	485295.613	1.377	0.039849	mg/L
Tl	205	1190158.208	3.378	0.040273	mg/L
Pb	208	1614798.647	4.582	0.039832	mg/L
Bi	209	352332.547	352332.547		mg/L

00748

Sample Information

Sample ID: 0A25028-CCB

Autosampler Position: 1
Sample Date/Time: Monday, January 25, 2010 11:17:35
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCB.016
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	254742.423	254742.423				mg/L
	Be	9	3.667	-0.000	-0.000001	0.000	727.842	mg/L
	V	51	6942.282	0.002	0.000002	0.000	41.508	mg/L
	Cr	52	20421.530	0.004	0.000104	0.000	15.324	mg/L
	Cr	53	4616.325	0.000	0.000015	0.000	219.829	mg/L
	Co	59	152.003	0.000	0.000003	0.000	33.771	mg/L
	Cu	63	341.677	0.000	0.000003	0.000	47.310	mg/L
	Cu	65	222.672	0.000	0.000011	0.000	66.909	mg/L
	Zn	66	370.679	-0.000	-0.000002	0.000	122.013	mg/L
	Zn	68	1954.916	-0.000	0.000040	0.000	120.412	mg/L
>	Ge	72	439982.309	439982.309				mg/L
	As	75	1262.785	0.000	0.000014	0.000	183.667	mg/L
	Se	77	296.675	-0.000	-0.000018	0.000	551.160	mg/L
	Se	82	18.441	0.000	0.000026	0.000	430.161	mg/L
>	Rh	103	290883.418	290883.418				mg/L
	Ag	107	309.676	0.001	0.000018	0.000	31.139	mg/L
	Cd	111	22.688	0.000	0.000003	0.000	84.696	mg/L
	Cd	114	40.466	0.000	0.000003	0.000	47.630	mg/L
	Tl	203	90.668	0.000	0.000005	0.000	45.863	mg/L
	Tl	205	197.671	0.000	0.000005	0.000	26.935	mg/L
	Pb	208	510.011	0.001	0.000005	0.000	19.117	mg/L
>	Bi	209	342707.288	342707.288				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	105.996
	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	99.837
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.607
	Ag	106.905	

39744

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	94.774

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	258881.021	258881.021		mg/L
Be	9	4.000	0.000	0.000000	mg/L
V	51	6881.188	0.002	0.000055	mg/L
Cr	52	20628.707	0.004	0.000110	mg/L
Cr	53	4684.383	0.000	0.000038	mg/L
Co	59	170.003	0.000	0.000004	mg/L
Cu	63	330.010	0.000	0.000002	mg/L
Cu	65	196.004	0.000	0.000005	mg/L
Zn	66	369.012	0.000	0.000003	mg/L
Zn	68	1987.252	0.000	0.000038	mg/L
Ge	72	442323.838	442323.838		mg/L
As	75	1184.632	-0.000	-0.000008	mg/L
Se	77	315.008	0.000	0.000035	mg/L
Se	82	12.344	0.000	0.000010	mg/L
Rh	103	288145.851	288145.851		mg/L
Ag	107	404.014	0.001	0.000024	mg/L
Cd	111	23.971	0.000	0.000003	mg/L
Cd	114	39.528	0.000	0.000003	mg/L
Tl	203	121.002	0.000	0.000008	mg/L
Tl	205	233.008	0.001	0.000008	mg/L
Pb	208	549.012	0.001	0.000008	mg/L
Bi	209	338773.178	338773.178		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	250153.552	250153.552		mg/L
Be	9	5.000	0.000	0.000004	mg/L
V	51	7363.854	0.004	0.000081	mg/L
Cr	52	20368.080	0.004	0.000116	mg/L
Cr	53	4587.308	0.000	0.000028	mg/L
Co	59	155.003	0.000	0.000004	mg/L
Cu	63	354.011	0.000	0.000005	mg/L
Cu	65	256.008	0.000	0.000019	mg/L
Zn	66	373.012	0.000	0.000001	mg/L
Zn	68	2040.270	0.000	0.000008	mg/L
Ge	72	434878.943	434878.943		mg/L
As	75	1350.258	0.000	0.000043	mg/L
Se	77	313.008	0.000	0.000045	mg/L
Se	82	87.710	0.000	0.000142	mg/L
Rh	103	289408.437	289408.437		mg/L
Ag	107	298.008	0.001	0.000017	mg/L
Cd	111	30.350	0.000	0.000005	mg/L
Cd	114	52.015	0.000	0.000004	mg/L
Tl	203	80.001	0.000	0.000004	mg/L
Tl	205	700.004	0.000	0.000005	mg/L
Pb	208	466.010	0.001	0.000005	mg/L
Bi	209	342122.979	342122.979		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	254212.698	254212.698		mg/L
Be	9	2.000	-0.000	-0.000007	mg/L
V	51	6601.804	0.002	0.000040	mg/L
Cr	52	20289.824	0.003	0.000086	mg/L
Cr	53	4577.303	-0.000	-0.000022	mg/L
Co	59	131.002	0.000	0.000002	mg/L
Cu	63	341.010	0.000	0.000003	mg/L
Cu	65	214.005	0.000	0.000008	mg/L
Zn	66	370.012	-0.000	-0.000003	mg/L
Zn	68	1857.228	0.000	0.000084	mg/L
Ge	72	442643.145	442643.145		mg/L
As	75	1244.483	0.000	0.000007	mg/L
Se	77	282.007	-0.000	0.000135	mg/L
Se	82	-24.731	-0.000	0.000078	mg/L
Rh	103	295097.965	295097.965		mg/L
Ag	107	229.005	0.001	0.000013	mg/L
Cd	111	13.742	0.000	0.000000	mg/L
Cd	114	29.856	0.000	0.000001	mg/L
Tl	203	71.001	0.000	0.000003	mg/L
Tl	205	160.003	0.000	0.000004	mg/L
Pb	208	485.011	0.001	0.000005	mg/L
Bi	209	347225.710	347225.710		mg/L

90742

Sample Information

Sample ID: 1000390-BLK1
Autosampler Position: 17
Sample Date/Time: Monday, January 25, 2010 11:20:59
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1000390-BLK1.017
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	258519.952	258519.952				mg/L
	Be	9	3.667	-0.000	-0.000001	0.000	1232.148	mg/L
	V	51	7208.059	0.003	0.000079	0.000	18.541	mg/L
	Cr	52	21892.943	0.007	0.000209	0.000	6.522	mg/L
	Cr	53	4469.577	-0.000	-0.000053	0.000	107.182	mg/L
	Co	59	110.669	0.000	0.000001	0.000	68.627	mg/L
	Cu	63	442.350	0.000	0.000015	0.000	8.688	mg/L
	Cu	65	228.672	0.000	0.000012	0.000	10.241	mg/L
	Zn	66	1354.790	0.002	0.000347	0.000	3.609	mg/L
	Zn	68	2872.857	0.002	0.000371	0.000	2.614	mg/L
>	Ge	72	437737.567	437737.567				mg/L
	As	75	1240.194	0.000	0.000010	0.000	52.577	mg/L
	Se	77	324.676	0.000	0.000076	0.000	59.507	mg/L
	Se	82	48.387	0.000	0.000096	0.000	23.541	mg/L
>	Rh	103	291848.803	291848.803				mg/L
	Ag	107	122.002	0.000	0.000006	0.000	14.451	mg/L
	Cd	111	5.010	-0.000	-0.000002	0.000	65.570	mg/L
	Cd	114	6.158	-0.000	-0.000001	0.000	276.373	mg/L
	Tl	203	48.667	0.000	0.000001	0.000	30.240	mg/L
	Tl	205	109.668	0.000	0.000002	0.000	13.776	mg/L
	Pb	208	1016.367	0.002	0.000017	0.000	2.890	mg/L
>	Bi	209	358985.753	358985.753				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	107.568
	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	99.328
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.941
	Ag	106.905	

00743

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.276

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	267578.654	267578.654		mg/L
Be	9	2.000	0.000	0.000007	mg/L
V	51	7397.729	0.004	0.000092	mg/L
Cr	52	21926.028	0.007	0.000218	mg/L
Cr	53	4528.275	-0.000	0.000012	mg/L
Co	59	117.002	0.000	0.000001	mg/L
Cu	63	428.015	0.000	0.000013	mg/L
Cu	65	225.005	0.000	0.000011	mg/L
Zn	66	1379.126	0.002	0.000358	mg/L
Zn	68	2840.512	0.002	0.000381	mg/L
Ge	72	438170.844	438170.844		mg/L
As	75	1214.421	0.000	0.000004	mg/L
Se	77	331.010	0.000	0.000101	mg/L
Se	82	41.190	0.000	0.000079	mg/L
Rh	103	289889.130	289889.130		mg/L
Ag	107	138.003	0.000	0.000007	mg/L
Cd	111	1.032	-0.000	-0.000003	mg/L
Cd	114	32.773	0.000	0.000002	mg/L
Tl	203	49.001	0.000	0.000001	mg/L
Tl	205	113.002	0.000	0.000002	mg/L
Pb	208	1020.034	0.002	0.000017	mg/L
Bi	209	359755.902	359755.902		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	254677.577	254677.577		mg/L
Be	9	2.000	0.000	0.000007	mg/L
V	51	7334.550	0.003	0.000083	mg/L
Cr	52	22193.738	0.007	0.000217	mg/L
Cr	53	4367.198	0.000	0.000118	mg/L
Co	59	119.002	0.000	0.000001	mg/L
Cu	63	456.017	0.000	0.000016	mg/L
Cu	65	237.008	0.000	0.000014	mg/L
Zn	66	1328.119	0.002	0.000333	mg/L
Zn	68	2696.532	0.002	0.000371	mg/L
Ge	72	441283.788	441283.788		mg/L
As	75	1268.255	0.000	0.000014	mg/L
Se	77	336.010	0.000	0.000104	mg/L
Se	82	59.694	0.000	0.000121	mg/L
Rh	103	297692.880	297692.880		mg/L
Ag	107	111.002	0.000	0.000006	mg/L
Cd	111	10.881	-0.000	-0.000001	mg/L
Cd	114	-23.372	0.000	-0.000004	mg/L
Tl	203	54.001	0.000	0.000002	mg/L
Tl	205	102.002	0.000	0.000002	mg/L
Pb	208	1003.033	0.002	0.000016	mg/L
Bi	209	361627.366	361627.366		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	253303.625	253303.625		mg/L
Be	9	7.000	0.000	0.000012	mg/L
V	51	6891.896	0.003	0.000083	mg/L
Cr	52	21550.087	0.007	0.000193	mg/L
Cr	53	4493.256	-0.000	0.000029	mg/L
Co	59	98.002	0.000	0.000000	mg/L
Cu	63	443.016	0.000	0.000015	mg/L
Cu	65	224.005	0.000	0.000011	mg/L
Zn	66	1358.124	0.002	0.000351	mg/L
Zn	68	2881.537	0.002	0.000380	mg/L
Ge	72	435778.070	435778.070		mg/L
As	75	1237.936	0.000	0.000011	mg/L
Se	77	307.009	0.000	0.000024	mg/L
Se	82	44.277	0.000	0.000087	mg/L
Rh	103	287954.399	287954.399		mg/L
Ag	107	117.002	0.000	0.000006	mg/L
Cd	111	3.117	0.000	0.000002	mg/L
Cd	114	9.072	-0.000	-0.000001	mg/L
Tl	203	43.001	0.000	0.000001	mg/L
Tl	205	114.002	0.000	0.000002	mg/L
Pb	208	1026.035	0.002	0.000017	mg/L
Bi	209	355573.992	355573.992		mg/L

89744

Sample Information

Sample ID: 1000390-BS1

Autosampler Position: 18
Sample Date/Time: Monday, January 25, 2010 11:24:24
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1000390-BS1.018
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	260040.453	260040.453				mg/L
	Be	9	10376.227	0.040	0.037793	0.001	1.916	mg/L
	V	51	721975.074	1.564	0.039034	0.000	0.580	mg/L
	Cr	52	636915.422	1.349	0.039202	0.000	0.804	mg/L
	Cr	53	77982.960	0.160	0.038800	0.000	0.983	mg/L
	Co	59	729762.110	1.594	0.038601	0.001	1.845	mg/L
	Cu	63	368941.707	0.805	0.038139	0.001	1.387	mg/L
	Cu	65	177101.312	0.387	0.037367	0.000	1.090	mg/L
	Zn	66	117501.183	0.256	0.039626	0.000	0.931	mg/L
	Zn	68	96333.094	0.206	0.039899	0.001	1.270	mg/L
>	Ge	72	457743.858	457743.858				mg/L
	As	75	141919.492	0.307	0.034871	0.001	1.509	mg/L
	Se	77	11191.622	0.024	0.033530	0.000	0.624	mg/L
	Se	82	14581.680	0.032	0.032876	0.001	2.177	mg/L
>	Rh	103	300051.443	300051.443				mg/L
	Ag	107	634752.453	2.115	0.037547	0.000	0.896	mg/L
	Cd	111	142419.283	0.475	0.035511	0.000	0.263	mg/L
	Cd	114	322968.279	1.076	0.035358	0.000	0.914	mg/L
	Tl	203	470901.850	1.284	0.036970	0.000	0.933	mg/L
	Tl	205	1141132.763	3.112	0.037107	0.001	1.638	mg/L
	Pb	208	1552462.854	4.233	0.036799	0.000	1.328	mg/L
>	Bi	209	366668.915	366668.915				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	108.201
	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	103.867
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	103.778
	Ag	106.905	

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	101.401

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	268978.674	268978.674		mg/L
Be	9	10529.754	0.039	0.037082	mg/L
V	51	716908.120	1.573	0.039287	mg/L
Cr	52	634209.780	1.381	0.039554	mg/L
Cr	53	77803.286	0.162	0.039241	mg/L
Co	59	735784.380	1.628	0.039423	mg/L
Cu	63	363513.860	0.804	0.038070	mg/L
Cu	65	176538.111	0.390	0.037733	mg/L
Zn	66	115992.833	0.256	0.039627	mg/L
Zn	68	93739.208	0.203	0.039322	mg/L
Ge	72	451843.637	451843.637		mg/L
As	75	142386.672	0.312	0.035443	mg/L
Se	77	11123.530	0.024	0.033768	mg/L
Se	82	14350.108	0.032	0.032776	mg/L
Rh	103	297978.835	297978.835		mg/L
Ag	107	6233879.837	2.084	0.037161	mg/L
Cd	111	141172.783	0.474	0.035445	mg/L
Cd	114	318681.271	1.069	0.035132	mg/L
Tl	203	469563.448	1.271	0.036801	mg/L
Tl	205	1127782.541	3.054	0.036408	mg/L
Pb	208	1540088.701	4.169	0.036243	mg/L
Bi	209	369303.317	369303.317		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	258553.281	258553.281		mg/L
Be	9	10324.495	0.040	0.037805	mg/L
V	51	728362.160	1.563	0.039020	mg/L
Cr	52	641249.115	1.345	0.039108	mg/L
Cr	53	78300.921	0.159	0.038588	mg/L
Co	59	728120.001	1.578	0.038160	mg/L
Cu	63	377768.458	0.817	0.038699	mg/L
Cu	65	179079.485	0.387	0.037439	mg/L
Zn	66	117476.413	0.253	0.039756	mg/L
Zn	68	97688.214	0.207	0.040101	mg/L
Ge	72	461935.265	461935.265		mg/L
As	75	141359.238	0.303	0.034409	mg/L
Se	77	11241.890	0.024	0.033368	mg/L
Se	82	14420.118	0.031	0.032216	mg/L
Rh	103	302258.883	302258.883		mg/L
Ag	107	6419.42.580	2.124	0.037698	mg/L
Cd	111	143299.883	0.474	0.035470	mg/L
Cd	114	324020.572	1.072	0.035215	mg/L
Tl	203	469088.772	1.286	0.037025	mg/L
Tl	205	1147580.228	3.147	0.037517	mg/L
Pb	208	1559353.948	4.275	0.037161	mg/L
Bi	209	384688.563	384688.563		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	252589.423	252589.423		mg/L
Be	9	10274.433	0.041	0.038510	mg/L
V	51	720853.944	1.556	0.038814	mg/L
Cr	52	635287.391	1.340	0.038947	mg/L
Cr	53	77844.872	0.158	0.038571	mg/L
Co	59	725381.947	1.579	0.038222	mg/L
Cu	63	365542.803	0.795	0.037648	mg/L
Cu	65	175886.341	0.382	0.036928	mg/L
Zn	66	119034.303	0.258	0.039984	mg/L
Zn	68	97571.882	0.208	0.040273	mg/L
Ge	72	459452.473	459452.473		mg/L
As	75	142016.564	0.308	0.034780	mg/L
Se	77	11208.648	0.024	0.033455	mg/L
Se	82	14974.815	0.033	0.033837	mg/L
Rh	103	299818.813	299818.813		mg/L
Ag	107	638434.842	2.129	0.037782	mg/L
Cd	111	142785.204	0.478	0.035618	mg/L
Cd	114	326202.893	1.088	0.035729	mg/L
Tl	203	474072.330	1.295	0.037284	mg/L
Tl	205	1148025.518	3.138	0.037395	mg/L
Pb	208	1557935.914	4.256	0.036992	mg/L
Bi	209	366014.866	366014.866		mg/L

09746

Sample Information

Sample ID: 1001142-02
Autosampler Position: 19
Sample Date/Time: Monday, January 25, 2010 11:27:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001142-02.019
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	249405.133	249405.133				mg/L
	Be	9	380.346	0.002	0.001430	0.000	5.738	mg/L
	V	51	648732.713	1.420	0.035429	0.001	2.344	mg/L
	Cr	52	430761.186	0.909	0.026414	0.000	0.916	mg/L
	Cr	53	51897.991	0.104	0.025280	0.000	0.787	mg/L
	Co	59	163371.940	0.361	0.008733	0.000	1.335	mg/L
	Cu	63	533530.916	1.178	0.055793	0.001	1.373	mg/L
	Cu	65	264302.098	0.583	0.056403	0.001	1.033	mg/L
	Zn	66	487026.079	1.075	0.166486	0.003	1.669	mg/L
	Zn	68	403859.662	0.888	0.172089	0.001	0.853	mg/L
>	Ge	72	452668.076	452668.076				mg/L
	As	75	198603.398	0.436	0.049474	0.001	2.425	mg/L
	Se	77	943.730	0.001	0.001971	0.000	3.822	mg/L
	Se	82	520.833	0.001	0.001168	0.000	13.293	mg/L
>	Rh	103	288847.792	288847.792				mg/L
	Ag	107	3327.364	0.011	0.000204	0.000	1.121	mg/L
	Cd	111	4133.431	0.014	0.001067	0.000	0.637	mg/L
	Cd	114	6268.127	0.022	0.000711	0.000	1.982	mg/L
	Tl	203	11305.777	0.030	0.000875	0.000	2.540	mg/L
	Tl	205	26985.894	0.073	0.000865	0.000	2.066	mg/L
	Pb	208	5470452.423	14.743	0.128157	0.004	3.148	mg/L
>	Bi	209	371224.948	371224.948				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	103.775
	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	102.716
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.903
	Ag	106.905	

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	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

102.660

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	257705.583	257705.583		mg/L
Be	9	398.013	0.002	0.001441	mg/L
V	51	668689.658	1.452	0.038241	mg/L
Cr	52	432431.278	0.905	0.028300	mg/L
Cr	53	52726.807	0.105	0.025499	mg/L
Co	59	162951.377	0.357	0.008841	mg/L
Cu	63	540983.752	1.185	0.058113	mg/L
Cu	65	269476.377	0.590	0.057051	mg/L
Zn	66	499883.868	1.095	0.189536	mg/L
Zn	68	407584.610	0.888	0.172287	mg/L
Ge	72	456326.510	456326.510		mg/L
As	75	194691.805	0.424	0.048087	mg/L
Se	77	958.085	0.001	0.001992	mg/L
Se	82	565.004	0.001	0.001280	mg/L
Rh	103	290158.945	290158.945		mg/L
Ag	107	3307.689	0.011	0.000201	mg/L
Cd	111	4133.229	0.014	0.001083	mg/L
Cd	114	6388.717	0.022	0.000722	mg/L
Tl	203	11268.754	0.029	0.000849	mg/L
Tl	205	27098.251	0.071	0.000845	mg/L
Pb	208	5431521.848	14.231	0.123702	mg/L
Bi	209	381651.580	381651.580		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	247633.928	247633.928		mg/L
Be	9	356.011	0.001	0.001343	mg/L
V	51	653675.838	1.421	0.035485	mg/L
Cr	52	458022.281	0.918	0.026892	mg/L
Cr	53	52154.215	0.104	0.025231	mg/L
Co	59	166943.273	0.368	0.008884	mg/L
Cu	63	528776.515	1.160	0.054818	mg/L
Cu	65	265299.471	0.582	0.056238	mg/L
Zn	66	488318.800	1.071	0.185422	mg/L
Zn	68	402982.903	0.880	0.170541	mg/L
Ge	72	455737.550	455737.550		mg/L
As	75	203278.815	0.443	0.050286	mg/L
Se	77	970.088	0.001	0.002033	mg/L
Se	82	582.423	0.001	0.001258	mg/L
Rh	103	290494.334	290494.334		mg/L
Ag	107	3385.721	0.012	0.000208	mg/L
Cd	111	4187.069	0.014	0.001075	mg/L
Cd	114	6162.558	0.021	0.000695	mg/L
Tl	203	11417.931	0.031	0.000869	mg/L
Tl	205	27074.180	0.073	0.000874	mg/L
Pb	208	5480858.772	14.884	0.129203	mg/L
Bi	209	368721.374	368721.374		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	242875.879	242875.879		mg/L
Be	9	380.013	0.002	0.001508	mg/L
V	51	623822.542	1.388	0.034581	mg/L
Cr	52	421829.989	0.803	0.026251	mg/L
Cr	53	50812.953	0.104	0.025111	mg/L
Co	59	160221.171	0.358	0.008684	mg/L
Cu	63	530952.482	1.190	0.056347	mg/L
Cu	65	258130.447	0.578	0.055921	mg/L
Zn	66	472865.570	1.060	0.184101	mg/L
Zn	68	401031.773	0.895	0.173480	mg/L
Ge	72	445840.170	445840.170		mg/L
As	75	197838.774	0.441	0.050026	mg/L
Se	77	903.058	0.001	0.001887	mg/L
Se	82	435.072	0.001	0.000988	mg/L
Rh	103	285890.098	285890.098		mg/L
Ag	107	3288.682	0.011	0.000203	mg/L
Cd	111	4079.985	0.014	0.001085	mg/L
Cd	114	6252.108	0.022	0.000717	mg/L
Tl	203	11210.648	0.031	0.000868	mg/L
Tl	205	26787.252	0.074	0.000877	mg/L
Pb	208	5496878.650	15.135	0.131584	mg/L
Bi	209	363301.909	363301.909		mg/L

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Sample Information

Sample ID: 1001142-03
Autosampler Position: 20
Sample Date/Time: Monday, January 25, 2010 11:31:16
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001142-03.020
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	259055.465	259055.465				mg/L
	Be	9	215.672	0.001	0.000774	0.000	3.653	mg/L
	V	51	622659.177	1.327	0.033123	0.001	2.166	mg/L
	Cr	52	356242.805	0.724	0.021048	0.001	2.521	mg/L
	Cr	53	43949.056	0.084	0.020425	0.001	3.815	mg/L
	Co	59	230072.175	0.495	0.011983	0.000	2.131	mg/L
	Cu	63	202110.788	0.434	0.020570	0.000	0.857	mg/L
	Cu	65	99227.133	0.213	0.020611	0.001	2.624	mg/L
	Zn	66	467474.410	1.006	0.155734	0.003	1.781	mg/L
	Zn	68	400974.599	0.858	0.166444	0.002	1.431	mg/L
>	Ge	72	464594.469	464594.469				mg/L
	As	75	64809.546	0.137	0.015516	0.000	1.107	mg/L
	Se	77	682.701	0.001	0.001104	0.000	4.677	mg/L
	Se	82	225.963	0.000	0.000483	0.000	15.687	mg/L
>	Rh	103	296776.776	296776.776				mg/L
	Ag	107	5269.052	0.018	0.000314	0.000	3.397	mg/L
	Cd	111	3284.309	0.011	0.000825	0.000	4.167	mg/L
	Cd	114	5720.799	0.019	0.000632	0.000	3.121	mg/L
	Tl	203	3104.276	0.008	0.000241	0.000	2.806	mg/L
	Tl	205	7623.562	0.021	0.000246	0.000	2.978	mg/L
	Pb	208	3761268.184	10.262	0.089204	0.002	2.239	mg/L
>	Bi	209	366543.690	366543.690				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	107.791
	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	105.422
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.645
	Ag	106.905	

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	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

101.366

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	283480.075	283480.075		mg/L
Be	9	211.005	0.001	0.000744	mg/L
V	51	628392.139	1.351	0.033718	mg/L
Cr	52	359188.177	0.737	0.021423	mg/L
Cr	53	44821.581	0.088	0.020971	mg/L
Co	59	223471.943	0.485	0.011742	mg/L
Cu	63	198429.824	0.430	0.020371	mg/L
Cu	65	96770.581	0.210	0.020273	mg/L
Zn	66	465558.835	1.010	0.156420	mg/L
Zn	68	393701.271	0.850	0.164628	mg/L
Ge	72	400580.814	400580.814		mg/L
As	75	63556.750	0.135	0.015345	mg/L
Se	77	698.036	0.001	0.001182	mg/L
Se	82	198.485	0.000	0.000427	mg/L
Rh	103	301828.700	301828.700		mg/L
Ag	107	5158.846	0.017	0.000302	mg/L
Cd	111	3298.988	0.011	0.000815	mg/L
Cd	114	5641.372	0.019	0.000812	mg/L
Tl	203	3058.595	0.008	0.000235	mg/L
Tl	205	7551.495	0.020	0.000241	mg/L
Pb	208	3714808.381	10.000	0.086929	mg/L
Bi	209	371438.058	371438.058		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	255544.528	255544.528		mg/L
Be	9	214.005	0.001	0.000779	mg/L
V	51	621601.298	1.335	0.033328	mg/L
Cr	52	357200.384	0.732	0.021281	mg/L
Cr	53	44273.740	0.086	0.020771	mg/L
Co	59	227881.940	0.494	0.011956	mg/L
Cu	63	201840.112	0.437	0.020708	mg/L
Cu	65	101429.552	0.220	0.021235	mg/L
Zn	66	470902.984	1.021	0.158100	mg/L
Zn	68	404332.712	0.873	0.169178	mg/L
Ge	72	460829.811	460829.811		mg/L
As	75	64998.914	0.138	0.015689	mg/L
Se	77	671.034	0.001	0.001584	mg/L
Se	82	210.651	0.000	0.000454	mg/L
Rh	103	294015.680	294015.680		mg/L
Ag	107	5387.782	0.018	0.000323	mg/L
Cd	111	3404.807	0.012	0.000863	mg/L
Cd	114	5683.817	0.019	0.000831	mg/L
Tl	203	3108.610	0.008	0.000240	mg/L
Tl	205	7580.522	0.020	0.000244	mg/L
Pb	208	3841330.441	10.430	0.090687	mg/L
Bi	209	388252.298	388252.298		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	258141.791	258141.791		mg/L
Be	9	222.005	0.001	0.000800	mg/L
V	51	617984.082	1.295	0.032327	mg/L
Cr	52	352339.848	0.703	0.020441	mg/L
Cr	53	42951.835	0.081	0.019532	mg/L
Co	59	238052.843	0.508	0.012751	mg/L
Cu	63	208052.829	0.436	0.020632	mg/L
Cu	65	99481.257	0.210	0.020326	mg/L
Zn	66	465981.431	0.988	0.152682	mg/L
Zn	68	404688.812	0.853	0.165325	mg/L
Ge	72	472282.782	472282.782		mg/L
As	75	65872.972	0.137	0.015515	mg/L
Se	77	681.035	0.001	0.001065	mg/L
Se	82	268.753	0.001	0.000569	mg/L
Rh	103	294487.938	294487.938		mg/L
Ag	107	5280.725	0.018	0.000317	mg/L
Cd	111	3348.355	0.011	0.000797	mg/L
Cd	114	5657.408	0.020	0.000652	mg/L
Tl	203	3139.623	0.909	0.000249	mg/L
Tl	205	7738.669	0.021	0.000254	mg/L
Pb	208	3727869.719	10.358	0.090015	mg/L
Bi	209	359942.716	359942.716		mg/L

00759

Sample Information

Sample ID: 1001142-04
Autosampler Position: 21
Sample Date/Time: Monday, January 25, 2010 11:34:43
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001142-04.021
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	245986.152	245986.152				mg/L
	Be	9	208.005	0.001	0.000788	0.000	9.762	mg/L
	V	51	552015.248	1.228	0.030653	0.000	0.114	mg/L
	Cr	52	627416.152	1.368	0.039775	0.000	1.028	mg/L
	Cr	53	72915.065	0.154	0.037250	0.000	0.812	mg/L
	Co	59	205764.817	0.463	0.011200	0.000	1.098	mg/L
	Cu	63	301107.831	0.677	0.032042	0.000	0.545	mg/L
	Cu	65	148670.817	0.334	0.032287	0.000	1.407	mg/L
	Zn	66	411238.981	0.924	0.143120	0.003	1.983	mg/L
	Zn	68	347788.072	0.778	0.150773	0.003	2.075	mg/L
>	Ge	72	444630.149	444630.149				mg/L
	As	75	91744.896	0.204	0.023103	0.000	1.332	mg/L
	Se	77	1112.419	0.002	0.002562	0.000	8.740	mg/L
	Se	82	774.837	0.002	0.001781	0.000	1.292	mg/L
>	Rh	103	285621.000	285621.000				mg/L
	Ag	107	9365.020	0.033	0.000581	0.000	1.808	mg/L
	Cd	111	4581.203	0.016	0.001197	0.000	1.110	mg/L
	Cd	114	5998.218	0.021	0.000688	0.000	0.454	mg/L
	Tl	203	2850.516	0.008	0.000220	0.000	2.565	mg/L
	Tl	205	6821.193	0.018	0.000218	0.000	2.830	mg/L
	Pb	208	4533668.151	12.273	0.106680	0.002	2.243	mg/L
>	Bi	209	369426.118	369426.118				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	102.353
	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	100.892
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.787
	Ag	106.905	

00751

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	102.163

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	253580.258	253580.258		mg/L
Be	9	191.004	0.001	0.000699	mg/L
V	51	568138.558	1.228	0.030650	mg/L
Cr	52	628334.080	1.354	0.038368	mg/L
Cr	53	74387.273	0.155	0.037533	mg/L
Co	59	208873.348	0.464	0.011223	mg/L
Cu	63	303157.745	0.672	0.031844	mg/L
Cu	65	150445.371	0.334	0.032252	mg/L
Zn	66	416870.492	0.825	0.143212	mg/L
Zn	68	347141.289	0.798	0.148528	mg/L
Ge	72	450420.805	450420.805		mg/L
As	75	91667.248	0.201	0.022780	mg/L
Se	77	1047.076	0.002	0.002310	mg/L
Se	82	785.307	0.002	0.001782	mg/L
Rh	103	276292.272	276292.272		mg/L
Ag	107	9238.211	0.033	0.000583	mg/L
Cd	111	4365.411	0.018	0.001184	mg/L
Cd	114	5828.783	0.021	0.000691	mg/L
Tl	203	2848.515	0.008	0.000218	mg/L
Tl	205	6842.984	0.019	0.000222	mg/L
Pb	208	4445231.171	11.958	0.103958	mg/L
Bi	209	371684.933	371684.933		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	242038.015	242038.015		mg/L
Be	9	218.005	0.001	0.000831	mg/L
V	51	546923.812	1.227	0.030820	mg/L
Cr	52	626570.581	1.362	0.040186	mg/L
Cr	53	72381.708	0.154	0.037208	mg/L
Co	59	205084.152	0.467	0.011310	mg/L
Cu	63	299888.558	0.679	0.032174	mg/L
Cu	65	149808.487	0.339	0.032758	mg/L
Zn	66	415833.563	0.942	0.145911	mg/L
Zn	68	353113.583	0.798	0.154346	mg/L
Ge	72	440999.323	440999.323		mg/L
As	75	92131.380	0.208	0.023392	mg/L
Se	77	1158.092	0.002	0.002738	mg/L
Se	82	758.479	0.002	0.001758	mg/L
Rh	103	291763.223	291763.223		mg/L
Ag	107	9416.411	0.032	0.000572	mg/L
Cd	111	4873.566	0.018	0.001195	mg/L
Cd	114	6100.086	0.021	0.000685	mg/L
Tl	203	2896.532	0.008	0.000226	mg/L
Tl	205	6841.878	0.019	0.000222	mg/L
Pb	208	4555202.582	12.477	0.108454	mg/L
Bi	209	365073.800	365073.800		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	242360.182	242360.182		mg/L
Be	9	217.005	0.001	0.000834	mg/L
V	51	549885.375	1.230	0.030690	mg/L
Cr	52	624343.826	1.368	0.038770	mg/L
Cr	53	71976.215	0.152	0.036931	mg/L
Co	59	202336.850	0.457	0.011067	mg/L
Cu	63	300277.188	0.678	0.032108	mg/L
Cu	65	145958.584	0.329	0.031852	mg/L
Zn	66	401012.886	0.905	0.140237	mg/L
Zn	68	343108.324	0.771	0.149446	mg/L
Ge	72	442470.318	442470.318		mg/L
As	75	91436.082	0.204	0.023135	mg/L
Se	77	1131.088	0.002	0.002837	mg/L
Se	82	780.724	0.002	0.001804	mg/L
Rh	103	288787.505	288787.505		mg/L
Ag	107	9438.437	0.033	0.000579	mg/L
Cd	111	4685.810	0.018	0.001211	mg/L
Cd	114	6085.785	0.021	0.000688	mg/L
Tl	203	2808.501	0.007	0.000215	mg/L
Tl	205	6836.710	0.018	0.000211	mg/L
Pb	208	4600570.719	12.382	0.107628	mg/L
Bi	209	371539.521	371539.521		mg/L

00752

Sample Information

Sample ID: 1001177-01
Autosampler Position: 22
Sample Date/Time: Monday, January 25, 2010 11:38:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001177-01.022
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	250353.393	250353.393				mg/L
	Be	9	109.002	0.000	0.000398	0.000	3.066	mg/L
	V	51	306355.425	0.665	0.016589	0.000	2.394	mg/L
	Cr	52	196695.209	0.392	0.011408	0.000	2.711	mg/L
	Cr	53	24901.406	0.045	0.010839	0.000	3.867	mg/L
	Co	59	90095.988	0.199	0.004822	0.000	1.138	mg/L
	Cu	63	59603.045	0.131	0.006213	0.000	1.023	mg/L
	Cu	65	28963.551	0.064	0.006157	0.000	1.813	mg/L
	Zn	66	116121.599	0.256	0.039659	0.001	1.295	mg/L
	Zn	68	98797.621	0.214	0.041483	0.000	0.865	mg/L
>	Ge	72	451950.237	451950.237				mg/L
	As	75	26099.156	0.055	0.006240	0.000	0.662	mg/L
	Se	77	531.689	0.000	0.000690	0.000	8.535	mg/L
	Se	82	124.821	0.000	0.000265	0.000	54.805	mg/L
>	Rh	103	302973.154	302973.154				mg/L
	Ag	107	513.688	0.002	0.000029	0.000	1.716	mg/L
	Cd	111	983.147	0.003	0.000240	0.000	5.892	mg/L
	Cd	114	1253.397	0.004	0.000134	0.000	2.003	mg/L
	Tl	203	1504.818	0.004	0.000115	0.000	2.498	mg/L
	Tl	205	3506.773	0.009	0.000112	0.000	2.533	mg/L
	Pb	208	651759.749	1.773	0.015414	0.000	2.248	mg/L
>	Bi	209	367438.426	367438.426				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	104.170
	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	104.789
	Ag	106.905	

00753

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

101.613

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	260870.920	260870.920		mg/L
Be	9	110.002	0.000	0.000385	mg/L
V	51	310168.492	0.683	0.017044	mg/L
Cr	52	199389.373	0.405	0.011785	mg/L
Cr	53	25424.981	0.047	0.011314	mg/L
Co	59	69651.556	0.201	0.004667	mg/L
Cu	63	58207.157	0.130	0.006155	mg/L
Cu	65	28283.129	0.063	0.006095	mg/L
Zn	66	112468.349	0.253	0.039108	mg/L
Zn	68	98131.380	0.216	0.041806	mg/L
Ge	72	445498.455	445498.455		mg/L
As	75	25776.258	0.055	0.006241	mg/L
Se	77	512.021	0.000	0.000652	mg/L
Se	82	93.845	0.000	0.000199	mg/L
Rh	103	305848.054	305849.054		mg/L
Ag	107	510.021	0.002	0.000029	mg/L
Cd	111	987.244	0.003	0.000233	mg/L
Cd	114	1265.843	0.004	0.000134	mg/L
In	203	1483.147	0.004	0.000112	mg/L
Tl	205	3453.750	0.009	0.000108	mg/L
Pb	208	642545.093	1.727	0.015013	mg/L
Bi	209	371834.242	371834.242		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	241798.200	241798.200		mg/L
Be	9	108.002	0.000	0.000409	mg/L
V	51	300728.351	0.654	0.016317	mg/L
Cr	52	193564.129	0.387	0.011235	mg/L
Cr	53	24556.373	0.044	0.010883	mg/L
Co	59	90176.176	0.200	0.004636	mg/L
Cu	63	60089.537	0.133	0.008281	mg/L
Cu	65	29497.390	0.065	0.006286	mg/L
Zn	66	117173.188	0.259	0.040174	mg/L
Zn	68	97852.802	0.212	0.041097	mg/L
Ge	72	450812.142	450812.142		mg/L
As	75	25887.875	0.055	0.006199	mg/L
Se	77	552.024	0.001	0.000758	mg/L
Se	82	80.047	0.000	0.000165	mg/L
Rh	103	300834.743	300834.743		mg/L
Ag	107	510.021	0.002	0.000029	mg/L
Cd	111	1040.755	0.003	0.000256	mg/L
Cd	114	1268.390	0.004	0.000137	mg/L
Tl	203	1498.150	0.004	0.000118	mg/L
Tl	205	3564.794	0.010	0.000114	mg/L
Pb	208	654755.260	1.796	0.015615	mg/L
Bi	209	364308.483	364308.483		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	248291.058	248291.058		mg/L
Be	9	109.002	0.000	0.000401	mg/L
V	51	308171.431	0.657	0.016405	mg/L
Cr	52	197122.124	0.388	0.011223	mg/L
Cr	53	24722.886	0.043	0.010520	mg/L
Co	59	90480.232	0.197	0.004781	mg/L
Cu	63	60502.441	0.131	0.006202	mg/L
Cu	65	29135.133	0.063	0.006091	mg/L
Zn	66	116322.283	0.257	0.039747	mg/L
Zn	68	100606.682	0.214	0.041547	mg/L
Ge	72	459540.114	459540.114		mg/L
As	75	26703.334	0.055	0.006282	mg/L
Se	77	531.022	0.000	0.000660	mg/L
Se	82	200.570	0.000	0.000432	mg/L
Rh	103	302335.665	302335.665		mg/L
Ag	107	521.021	0.002	0.000030	mg/L
Cd	111	941.442	0.003	0.000230	mg/L
Cd	114	1226.158	0.004	0.000131	mg/L
In	203	1533.158	0.004	0.000118	mg/L
Tl	205	3511.775	0.009	0.000112	mg/L
Pb	208	657978.695	1.796	0.015612	mg/L
Bi	209	366172.574	366172.574		mg/L

00754

Sample Information

Sample ID: 1001177-02
Autosampler Position: 23
Sample Date/Time: Monday, January 25, 2010 11:41:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001177-02.023
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	253085.390	253085.390				mg/L
	Be	9	146.336	0.001	0.000533	0.000	1.813	mg/L
	V	51	460232.370	1.004	0.025051	0.000	0.570	mg/L
	Cr	52	282274.317	0.581	0.016887	0.000	0.801	mg/L
	Cr	53	35314.354	0.068	0.016401	0.000	0.579	mg/L
	Co	59	132706.049	0.293	0.007095	0.000	1.285	mg/L
	Cu	63	125369.609	0.276	0.013088	0.000	0.542	mg/L
	Cu	65	62209.299	0.137	0.013252	0.000	0.955	mg/L
	Zn	66	156780.531	0.346	0.053528	0.001	1.692	mg/L
	Zn	68	137257.896	0.299	0.057908	0.000	0.851	mg/L
>	Ge	72	452523.287	452523.287				mg/L
	As	75	36386.972	0.078	0.008812	0.000	1.739	mg/L
	Se	77	553.357	0.001	0.000755	0.000	18.789	mg/L
	Se	82	70.787	0.000	0.000143	0.000	72.006	mg/L
>	Rh	103	295455.490	295455.490				mg/L
	Ag	107	751.708	0.002	0.000044	0.000	2.711	mg/L
	Cd	111	1355.416	0.005	0.000340	0.000	6.939	mg/L
	Cd	114	1647.214	0.006	0.000181	0.000	4.966	mg/L
	Tl	203	1884.232	0.005	0.000147	0.000	3.163	mg/L
	Tl	205	4583.640	0.013	0.000149	0.000	4.270	mg/L
	Pb	208	638192.404	1.764	0.015331	0.000	2.446	mg/L
>	Bi	209	361814.285	361814.285				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	105.307
	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	102.683
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.188
	Ag	106.905	

00755

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	100.058

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	259877.428	259877.428		mg/L
Be	9	153.003	0.001	0.000544	mg/L
V	51	462290.778	1.008	0.025145	mg/L
Cr	52	281164.278	0.578	0.016802	mg/L
Cr	53	35168.385	0.067	0.018307	mg/L
Co	59	131051.734	0.288	0.007002	mg/L
Cu	63	124736.860	0.275	0.013012	mg/L
Cu	65	61722.350	0.138	0.013138	mg/L
Zn	66	153670.090	0.339	0.052482	mg/L
Zn	68	138084.182	0.296	0.057352	mg/L
Ge	72	452864.051	452864.051		mg/L
As	75	35758.587	0.078	0.008648	mg/L
Se	77	540.023	0.001	0.000712	mg/L
Se	82	107.528	0.000	0.000227	mg/L
Rh	103	292060.698	292060.698		mg/L
Ag	107	746.041	0.003	0.000044	mg/L
Cd	111	1421.617	0.005	0.000381	mg/L
Cd	114	1581.950	0.005	0.000177	mg/L
Tl	203	1851.224	0.005	0.000142	mg/L
Tl	205	4478.248	0.012	0.000143	mg/L
Pb	208	637848.711	1.730	0.015038	mg/L
Bi	209	368568.753	368566.753		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	250090.707	250090.707		mg/L
Be	9	144.003	0.001	0.000631	mg/L
V	51	457820.874	0.997	0.024847	mg/L
Cr	52	281519.992	0.579	0.016816	mg/L
Cr	53	35353.185	0.068	0.018388	mg/L
Co	59	132976.892	0.293	0.007101	mg/L
Cu	63	126141.786	0.278	0.013153	mg/L
Cu	65	62183.768	0.137	0.013230	mg/L
Zn	66	158134.862	0.348	0.053924	mg/L
Zn	68	138329.018	0.301	0.058283	mg/L
Ge	72	453084.568	453084.568		mg/L
As	75	36535.281	0.078	0.008838	mg/L
Se	77	517.021	0.000	0.000640	mg/L
Se	82	84.531	0.000	0.000174	mg/L
Rh	103	293448.199	293448.199		mg/L
Ag	107	765.043	0.003	0.000045	mg/L
Cd	111	1248.072	0.004	0.000314	mg/L
Cd	114	1728.699	0.006	0.000192	mg/L
Tl	203	1934.244	0.005	0.000150	mg/L
Tl	205	4825.330	0.013	0.000149	mg/L
Pb	208	639312.068	1.749	0.015204	mg/L
Bi	209	365321.403	365321.403		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	249488.034	249468.034		mg/L
Be	9	142.003	0.001	0.000525	mg/L
V	51	460585.458	1.007	0.025121	mg/L
Cr	52	284138.582	0.586	0.017043	mg/L
Cr	53	35423.483	0.068	0.018497	mg/L
Co	59	134088.520	0.297	0.007164	mg/L
Cu	63	125230.181	0.277	0.013100	mg/L
Cu	65	62721.781	0.138	0.013388	mg/L
Zn	66	158336.642	0.350	0.054109	mg/L
Zn	68	137380.509	0.300	0.058078	mg/L
Ge	72	451821.242	151821.242		mg/L
As	75	36867.068	0.079	0.008951	mg/L
Se	77	603.028	0.001	0.000814	mg/L
Se	82	20.303	0.000	0.000028	mg/L
Rh	103	300857.574	300857.574		mg/L
Ag	107	744.041	0.002	0.000043	mg/L
Cd	111	1398.359	0.005	0.000345	mg/L
Cd	114	1620.994	0.005	0.000175	mg/L
Tl	203	1887.228	0.005	0.000150	mg/L
Tl	205	4647.342	0.013	0.000136	mg/L
Pb	208	637418.412	1.812	0.015753	mg/L
Bi	209	351554.701	351554.701		mg/L

99756

Sample Information

Sample ID: 1001177-03
Autosampler Position: 24
Sample Date/Time: Monday, January 25, 2010 11:45:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001177-03.024
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	257758.165	257758.165				mg/L
	Be	9	153.670	0.001	0.000550	0.000	2.559	mg/L
	V	51	525441.390	1.144	0.028560	0.001	2.003	mg/L
	Cr	52	319530.816	0.661	0.019222	0.001	3.464	mg/L
	Cr	53	39184.635	0.076	0.018413	0.000	2.600	mg/L
	Co	59	156438.223	0.344	0.008340	0.000	2.864	mg/L
	Cu	63	137507.122	0.302	0.014312	0.000	0.676	mg/L
	Cu	65	67384.413	0.148	0.014313	0.000	2.300	mg/L
	Zn	66	168031.842	0.369	0.057203	0.001	2.329	mg/L
	Zn	68	146862.536	0.319	0.061819	0.001	1.947	mg/L
>	Ge	72	454003.974	454003.974				mg/L
	As	75	36307.522	0.077	0.008763	0.000	0.426	mg/L
	Se	77	588.360	0.001	0.000858	0.000	12.165	mg/L
	Se	82	64.346	0.000	0.000128	0.000	59.689	mg/L
>	Rh	103	296355.595	296355.595				mg/L
	Ag	107	826.049	0.003	0.000049	0.000	3.596	mg/L
	Cd	111	1572.107	0.005	0.000394	0.000	3.370	mg/L
	Cd	114	1633.437	0.005	0.000179	0.000	3.953	mg/L
	Tl	203	2057.275	0.006	0.000164	0.000	1.707	mg/L
	Tl	205	4873.140	0.014	0.000162	0.000	2.896	mg/L
	Pb	208	715791.702	2.015	0.017512	0.000	2.460	mg/L
>	Bi	209	355241.159	355241.159				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	107.251
	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	103.019
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.500
	Ag	106.905	

00757

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	98.240

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	264494.472	264494.472		mg/L
Be	9	159.003	0.001	0.000555	mg/L
V	51	524308.272	1.168	0.029162	mg/L
Cr	52	324051.578	0.688	0.019965	mg/L
Cr	53	39308.886	0.078	0.018982	mg/L
Co	59	156847.142	0.353	0.008544	mg/L
Cu	63	135068.181	0.304	0.014385	mg/L
Cu	65	67088.822	0.151	0.014579	mg/L
Zn	66	187815.574	0.377	0.058380	mg/L
Zn	68	144135.240	0.320	0.062066	mg/L
Ge	72	443873.855	443873.855		mg/L
As	75	35579.610	0.077	0.008787	mg/L
Se	77	572.025	0.001	0.000849	mg/L
Se	82	59.355	0.000	0.000120	mg/L
Rh	103	292342.320	292342.320		mg/L
Ag	107	835.050	0.003	0.000050	mg/L
Cd	111	1586.828	0.005	0.000403	mg/L
Cd	114	1848.198	0.006	0.000183	mg/L
Tl	203	2107.287	0.008	0.000165	mg/L
Tl	205	4802.431	0.013	0.000158	mg/L
Pb	208	709302.825	1.958	0.017028	mg/L
Bi	209	361919.657	361919.657		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	255043.520	255043.520		mg/L
Be	9	155.003	0.001	0.000581	mg/L
V	51	529144.236	1.142	0.028498	mg/L
Cr	52	317752.792	0.651	0.018917	mg/L
Cr	53	38137.078	0.075	0.018184	mg/L
Co	59	156037.813	0.347	0.008401	mg/L
Cu	63	137696.668	0.300	0.014203	mg/L
Cu	65	66283.084	0.144	0.013945	mg/L
Zn	66	165308.141	0.360	0.055758	mg/L
Zn	68	145088.545	0.312	0.060504	mg/L
Ge	72	458108.467	458108.467		mg/L
As	75	36710.527	0.077	0.008781	mg/L
Se	77	679.030	0.001	0.000987	mg/L
Se	82	100.510	0.000	0.000208	mg/L
Rh	103	298147.622	298147.622		mg/L
Ag	107	347.052	0.003	0.000049	mg/L
Cd	111	1611.235	0.005	0.000400	mg/L
Cd	114	1574.687	0.005	0.000171	mg/L
Tl	203	2068.277	0.008	0.000166	mg/L
Tl	205	4902.491	0.014	0.000164	mg/L
Pb	208	715361.564	2.031	0.017653	mg/L
Bi	209	352097.934	352097.934		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	253736.504	253736.504		mg/L
Be	9	147.003	0.001	0.000534	mg/L
V	51	522871.658	1.123	0.028023	mg/L
Cr	52	318786.078	0.845	0.018783	mg/L
Cr	53	39107.941	0.075	0.018083	mg/L
Co	59	153829.713	0.334	0.008077	mg/L
Cu	63	139756.538	0.303	0.014349	mg/L
Cu	65	68803.553	0.149	0.014414	mg/L
Zn	66	171171.810	0.371	0.057472	mg/L
Zn	68	151365.824	0.324	0.062866	mg/L
Ge	72	460228.598	460228.598		mg/L
As	75	36632.429	0.077	0.008720	mg/L
Se	77	564.025	0.001	0.000759	mg/L
Se	82	33.172	0.000	0.000058	mg/L
Rh	103	297578.843	297578.843		mg/L
Ag	107	796.046	0.003	0.000047	mg/L
Cd	111	1518.257	0.005	0.000378	mg/L
Cd	114	1677.444	0.006	0.000183	mg/L
Tl	203	1998.280	0.008	0.000161	mg/L
Tl	205	4914.498	0.014	0.000165	mg/L
Pb	208	722710.917	2.054	0.017854	mg/L
Bi	209	351705.685	351705.685		mg/L

00758

Sample Information

Sample ID: 1001177-04
Autosampler Position: 25
Sample Date/Time: Monday, January 25, 2010 11:48:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001177-04.025
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	249141.312	249141.312				mg/L
	Be	9	63.668	0.000	0.000228	0.000	6.599	mg/L
	V	51	310916.799	0.726	0.018127	0.001	3.773	mg/L
	Cr	52	219116.884	0.478	0.013906	0.000	3.170	mg/L
	Cr	53	26937.098	0.054	0.013015	0.000	3.095	mg/L
	Co	59	117691.841	0.280	0.006775	0.000	0.672	mg/L
	Cu	63	114259.018	0.271	0.012841	0.000	1.493	mg/L
	Cu	65	58702.711	0.139	0.013463	0.000	2.103	mg/L
	Zn	66	87495.734	0.207	0.032106	0.001	2.340	mg/L
	Zn	68	70324.898	0.163	0.031538	0.000	0.814	mg/L
>	Ge	72	420312.783	420312.783				mg/L
	As	75	26710.715	0.061	0.006898	0.000	1.719	mg/L
	Se	77	500.020	0.001	0.000708	0.000	11.311	mg/L
	Se	82	85.831	0.000	0.000193	0.000	46.672	mg/L
>	Rh	103	276380.696	276380.696				mg/L
	Ag	107	749.041	0.003	0.000047	0.000	8.446	mg/L
	Cd	111	1416.034	0.005	0.000380	0.000	4.491	mg/L
	Cd	114	949.492	0.003	0.000111	0.000	3.259	mg/L
	Tl	203	1982.589	0.006	0.000163	0.000	3.679	mg/L
	Tl	205	4647.676	0.013	0.000159	0.000	3.143	mg/L
	Pb	208	263657.790	0.765	0.006651	0.000	0.866	mg/L
>	Bi	209	344180.683	344180.683				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	103.666
	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	95.374
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	95.591
	Ag	106.905	

00759

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	95.182

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	255295.052	255295.052		mg/L
Be	9	65.001	0.000	0.000227	mg/L
V	51	324108.298	0.753	0.018795	mg/L
Cr	52	227468.439	0.495	0.014366	mg/L
Cr	53	27918.972	0.058	0.013480	mg/L
Co	59	118540.331	0.280	0.006780	mg/L
Cu	63	116473.472	0.275	0.013067	mg/L
Cu	65	59173.940	0.139	0.013484	mg/L
Zn	66	90394.525	0.213	0.032963	mg/L
Zn	68	71305.984	0.164	0.031807	mg/L
Ge	72	423034.840	423034.840		mg/L
As	75	27301.278	0.062	0.007011	mg/L
Se	77	530.022	0.001	0.000798	mg/L
Se	82	57.878	0.000	0.000122	mg/L
Rh	103	278161.972	278161.972		mg/L
Ag	107	682.035	0.002	0.000043	mg/L
Cd	111	1487.648	0.005	0.000400	mg/L
Cd	114	948.016	0.003	0.000110	mg/L
Tl	203	1813.238	0.005	0.000158	mg/L
Tl	205	4512.288	0.013	0.000153	mg/L
Pb	208	283022.547	0.758	0.008590	mg/L
Bi	209	346541.070	346541.070		mg/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	245880.778	245880.778		mg/L
Be	9	58.001	0.000	0.000213	mg/L
V	51	311681.870	0.728	0.018158	mg/L
Cr	52	217946.401	0.475	0.013814	mg/L
Cr	53	26538.456	0.053	0.012773	mg/L
Co	59	116535.260	0.282	0.006617	mg/L
Cu	63	114739.650	0.272	0.012886	mg/L
Cu	65	58932.334	0.142	0.013734	mg/L
Zn	66	88718.738	0.205	0.031795	mg/L
Zn	68	70322.188	0.163	0.031509	mg/L
Ge	72	420678.935	420678.935		mg/L
As	75	26773.504	0.061	0.006910	mg/L
Se	77	461.019	0.000	0.000643	mg/L
Se	82	73.475	0.000	0.000162	mg/L
Rh	103	273587.158	273587.158		mg/L
Ag	107	778.044	0.003	0.000050	mg/L
Cd	111	1358.291	0.005	0.000368	mg/L
Cd	114	973.265	0.004	0.000115	mg/L
Tl	203	2014.284	0.006	0.000166	mg/L
Tl	205	4718.383	0.014	0.000162	mg/L
Pb	208	283475.577	0.768	0.008680	mg/L
Bi	209	343473.884	343473.884		mg/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	246468.108	246468.108		mg/L
Be	9	67.001	0.000	0.000243	mg/L
V	51	296882.278	0.698	0.017428	mg/L
Cr	52	211817.811	0.465	0.013519	mg/L
Cr	53	28352.888	0.063	0.012792	mg/L
Co	59	115999.831	0.278	0.006727	mg/L
Cu	63	111583.933	0.267	0.012631	mg/L
Cu	65	57001.858	0.138	0.013169	mg/L
Zn	66	85373.843	0.204	0.031560	mg/L
Zn	68	69286.535	0.161	0.031296	mg/L
Ge	72	417224.572	417224.572		mg/L
As	75	26057.388	0.060	0.006775	mg/L
Se	77	469.019	0.000	0.000684	mg/L
Se	82	126.342	0.000	0.000294	mg/L
Rh	103	277392.957	277392.957		mg/L
Ag	107	787.045	0.003	0.000049	mg/L
Cd	111	1392.182	0.005	0.000372	mg/L
Cd	114	927.198	0.003	0.000108	mg/L
Tl	203	2020.265	0.008	0.000167	mg/L
Tl	205	4712.379	0.014	0.000162	mg/L
Pb	208	284475.245	0.771	0.006704	mg/L
Bi	209	342527.085	342527.085		mg/L

00760

Sample Information

Sample ID: 1001177-05
Autosampler Position: 26
Sample Date/Time: Monday, January 25, 2010 11:51:45
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001177-05.026
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	245072.201	245072.201				mg/L
	Be	9	358.345	0.001	0.001371	0.000	3.557	mg/L
	V	51	447595.279	0.985	0.024581	0.000	1.933	mg/L
	Cr	52	288074.403	0.600	0.017428	0.000	2.286	mg/L
	Cr	53	34985.992	0.068	0.016399	0.001	3.701	mg/L
	Co	59	165131.055	0.368	0.008912	0.000	1.691	mg/L
	Cu	63	444393.593	0.990	0.046908	0.001	2.583	mg/L
	Cu	65	215553.889	0.480	0.046439	0.001	2.842	mg/L
	Zn	66	251703.071	0.560	0.086809	0.002	2.217	mg/L
	Zn	68	218557.683	0.483	0.093601	0.002	1.834	mg/L
>	Ge	72	448450.185	448450.185				mg/L
	As	75	62785.317	0.137	0.015575	0.000	1.503	mg/L
	Se	77	681.035	0.001	0.001173	0.000	11.508	mg/L
	Se	82	276.364	0.001	0.000618	0.000	13.674	mg/L
>	Rh	103	308757.820	308757.820				mg/L
	Ag	107	1802.880	0.006	0.000103	0.000	3.065	mg/L
	Cd	111	2736.120	0.009	0.000660	0.000	1.002	mg/L
	Cd	114	3287.705	0.011	0.000348	0.000	3.977	mg/L
	Tl	203	3467.423	0.009	0.000259	0.000	2.183	mg/L
	Tl	205	8420.671	0.022	0.000261	0.000	1.681	mg/L
	Pb	208	3631147.357	9.524	0.082789	0.001	1.214	mg/L
>	Bi	209	381255.040	381255.040				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	101.972
	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	101.759
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	106.789
	Ag	106.905	

00761

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

105.434

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	246327.024	246327.024		mg/L
Be	9	347.011	0.001	0.001320	mg/L
V	51	141332.074	0.968	0.024148	mg/L
Cr	52	281894.647	0.584	0.016872	mg/L
Cr	53	34744.627	0.087	0.016202	mg/L
Co	59	164424.915	0.365	0.008843	mg/L
Cu	63	449112.984	0.997	0.047240	mg/L
Cu	65	214238.068	0.476	0.045981	mg/L
Zn	66	247417.840	0.549	0.085033	mg/L
Zn	68	215665.187	0.475	0.092029	mg/L
Ge	72	449954.600	449954.600		mg/L
As	75	62010.729	0.135	0.015325	mg/L
Se	77	732.039	0.001	0.001325	mg/L
Se	82	314.472	0.001	0.000703	mg/L
Rh	103	315308.505	315308.505		mg/L
Ag	107	1778.207	0.008	0.000099	mg/L
Cd	111	2795.541	0.009	0.000660	mg/L
Cd	114	3222.184	0.010	0.000334	mg/L
Tl	203	3405.730	0.009	0.000254	mg/L
Tl	205	6287.201	0.022	0.000257	mg/L
Pb	208	3588748.549	9.417	0.081858	mg/L
Bi	209	382117.191	382117.191		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	244076.207	244076.207		mg/L
Be	9	358.011	0.001	0.001375	mg/L
V	51	450186.203	0.582	0.024508	mg/L
Cr	52	294999.571	0.608	0.017711	mg/L
Cr	53	34387.187	0.068	0.015816	mg/L
Co	59	164645.203	0.364	0.008808	mg/L
Cu	63	435505.351	0.962	0.045565	mg/L
Cu	65	212618.275	0.470	0.045401	mg/L
Zn	66	253142.847	0.559	0.086542	mg/L
Zn	68	219875.105	0.481	0.093341	mg/L
Ge	72	452351.281	452351.281		mg/L
As	75	63473.009	0.138	0.015609	mg/L
Se	77	654.032	0.001	0.001070	mg/L
Se	82	242.101	0.001	0.000534	mg/L
Rh	103	302272.432	302272.432		mg/L
Ag	107	1805.214	0.008	0.000105	mg/L
Cd	111	2704.844	0.009	0.000668	mg/L
Cd	114	3343.272	0.011	0.000381	mg/L
Tl	203	3501.771	0.009	0.000259	mg/L
Tl	205	6452.576	0.022	0.000265	mg/L
Pb	208	3670783.444	9.508	0.082653	mg/L
Bi	209	386019.028	386019.028		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	244813.371	244813.371		mg/L
Be	9	370.012	0.001	0.001417	mg/L
V	51	451285.561	1.005	0.025088	mg/L
Cr	52	287228.981	0.605	0.017599	mg/L
Cr	53	35816.160	0.070	0.017080	mg/L
Co	59	168323.048	0.375	0.009085	mg/L
Cu	63	448562.485	1.012	0.047919	mg/L
Cu	65	219606.325	0.496	0.047924	mg/L
Zn	66	254548.727	0.574	0.088854	mg/L
Zn	68	220132.777	0.492	0.095434	mg/L
Ge	72	443044.684	443044.684		mg/L
As	75	62872.211	0.139	0.015790	mg/L
Se	77	657.032	0.001	0.001122	mg/L
Se	82	272.570	0.001	0.000817	mg/L
Rh	103	304692.525	304692.525		mg/L
Ag	107	1825.218	0.008	0.000104	mg/L
Cd	111	2707.874	0.009	0.000653	mg/L
Cd	114	3297.878	0.011	0.000349	mg/L
Tl	203	3494.768	0.009	0.000265	mg/L
Tl	205	8322.237	0.022	0.000262	mg/L
Pb	208	3623910.077	9.647	0.563855	mg/L
Bi	209	175628.903	175628.903		mg/L

99762

Sample Information

Sample ID: 0A25028-CCV 3
Autosampler Position: 2
Sample Date/Time: Monday, January 25, 2010 11:55:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCV.027
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	228485.277	228485.277				mg/L
	Be	9	9325.309	0.041	0.038654	0.001	2.716	mg/L
	V	51	652717.191	1.538	0.038393	0.000	1.069	mg/L
	Cr	52	592092.142	1.365	0.039669	0.000	0.915	mg/L
	Cr	53	73226.722	0.164	0.039711	0.001	1.713	mg/L
	Co	59	699507.927	1.663	0.040270	0.001	2.075	mg/L
	Cu	63	350814.487	0.834	0.039485	0.001	3.268	mg/L
	Cu	65	172160.237	0.409	0.039543	0.001	2.399	mg/L
	Zn	66	108236.806	0.257	0.039733	0.001	2.072	mg/L
	Zn	68	88806.313	0.207	0.040042	0.001	2.099	mg/L
>	Ge	72	420617.018	420617.018				mg/L
	As	75	153925.873	0.363	0.041215	0.000	0.972	mg/L
	Se	77	11949.347	0.028	0.039126	0.001	2.025	mg/L
	Se	82	15775.503	0.037	0.038721	0.001	2.907	mg/L
>	Rh	103	298176.866	298176.866				mg/L
	Ag	107	667737.551	2.239	0.039747	0.000	0.428	mg/L
	Cd	111	155130.699	0.520	0.038924	0.000	0.523	mg/L
	Cd	114	361962.436	1.214	0.039879	0.001	2.489	mg/L
	Tl	203	502713.543	1.441	0.041486	0.001	2.227	mg/L
	Tl	205	1189635.157	3.411	0.040670	0.001	2.970	mg/L
	Pb	208	1602241.171	4.593	0.039927	0.001	2.453	mg/L
>	Bi	209	348905.547	348905.547				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.071
	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	95.443
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	103.130
	Ag	106.905	

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Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	96.488

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	235385.402	235385.402		mg/L
Be	9	9364.352	0.040	0.037664	mg/L
V	51	663152.840	1.553	0.038747	mg/L
Cr	52	601192.754	1.377	0.040017	mg/L
Cr	53	73107.005	0.162	0.039344	mg/L
Co	59	710272.822	1.677	0.040801	mg/L
Cu	63	345788.760	0.818	0.038638	mg/L
Cu	65	171298.372	0.404	0.039062	mg/L
Zn	66	108017.538	0.257	0.039735	mg/L
Zn	68	87524.098	0.207	0.039167	mg/L
Ge	72	423520.610	423520.610		mg/L
As	75	153812.480	0.360	0.040895	mg/L
Se	77	11958.894	0.028	0.038872	mg/L
Se	82	15454.155	0.036	0.037681	mg/L
Rh	103	296028.035	296028.035		mg/L
Ag	107	860322.929	2.231	0.039592	mg/L
Cd	111	154081.001	0.520	0.038936	mg/L
Cd	114	363074.036	1.226	0.040290	mg/L
Tl	203	490567.284	1.430	0.041373	mg/L
Tl	205	1175781.640	3.428	0.040871	mg/L
Pb	208	1595851.234	4.652	0.040449	mg/L
Bi	209	342981.207	342981.207		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	225055.641	225055.641		mg/L
Be	9	9475.479	0.042	0.039755	mg/L
V	51	663955.439	1.542	0.038469	mg/L
Cr	52	601231.399	1.366	0.039697	mg/L
Cr	53	73591.244	0.162	0.039293	mg/L
Co	59	693267.212	1.624	0.039320	mg/L
Cu	63	350421.424	0.820	0.038648	mg/L
Cu	65	172060.649	0.403	0.038930	mg/L
Zn	66	107598.730	0.251	0.038909	mg/L
Zn	68	90301.523	0.207	0.040116	mg/L
Ge	72	426851.292	426851.292		mg/L
As	75	155737.616	0.362	0.041086	mg/L
Se	77	11937.664	0.027	0.038491	mg/L
Se	82	15964.264	0.037	0.038601	mg/L
Rh	103	299218.086	299218.086		mg/L
Ag	107	869609.980	2.238	0.039720	mg/L
Cd	111	156460.569	0.523	0.039121	mg/L
Cd	114	369603.065	1.236	0.040599	mg/L
Tl	203	508908.802	1.416	0.040759	mg/L
Tl	205	1188868.829	3.302	0.039374	mg/L
Pb	208	1604514.184	4.463	0.038788	mg/L
Bi	209	359414.836	359414.836		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	224414.788	224414.788		mg/L
Be	9	8136.097	0.041	0.038543	mg/L
V	51	631043.295	1.520	0.037943	mg/L
Cr	52	573852.274	1.352	0.039793	mg/L
Cr	53	72981.915	0.167	0.040496	mg/L
Co	59	694883.748	1.689	0.040890	mg/L
Cu	63	356233.278	0.865	0.040970	mg/L
Cu	65	173121.489	0.420	0.040635	mg/L
Zn	66	108096.649	0.262	0.040956	mg/L
Zn	68	88593.318	0.211	0.040843	mg/L
Ge	72	411479.154	411479.154		mg/L
As	75	152227.524	0.367	0.041664	mg/L
Se	77	11951.684	0.028	0.040014	mg/L
Se	82	15908.091	0.039	0.039903	mg/L
Rh	103	299286.478	299286.478		mg/L
Ag	107	673278.744	2.250	0.039929	mg/L
Cd	111	154870.127	0.517	0.038714	mg/L
Cd	114	353010.208	1.178	0.038747	mg/L
Tl	203	506884.543	1.477	0.042526	mg/L
Tl	205	1206154.003	3.503	0.041764	mg/L
Pb	208	1606258.095	4.664	0.040543	mg/L
Bi	209	344320.799	344320.799		mg/L

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Sample Information

Sample ID: 0A25028-CCB 3
Autosampler Position: 1
Sample Date/Time: Monday, January 25, 2010 11:58:29
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCB.028
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	232408.318	232408.318				mg/L
	Be	9	4.667	0.000	0.000005	0.000	54.182	mg/L
	V	51	5920.167	0.001	0.000032	0.000	139.032	mg/L
	Cr	52	19371.029	0.005	0.000141	0.000	56.407	mg/L
	Cr	53	4326.834	0.000	0.000050	0.000	71.238	mg/L
	Co	59	126.336	0.000	0.000002	0.000	43.269	mg/L
	Cu	63	330.010	0.000	0.000005	0.000	53.172	mg/L
	Cu	65	183.004	0.000	0.000005	0.000	56.499	mg/L
	Zn	66	313.009	-0.000	-0.000013	0.000	60.397	mg/L
	Zn	68	1917.240	0.000	0.000012	0.000	86.906	mg/L
>	Ge	72	406733.566	406733.566				mg/L
	As	75	1254.011	0.000	0.000038	0.000	34.256	mg/L
	Se	77	310.676	0.000	0.000107	0.000	62.160	mg/L
	Se	82	-7.682	-0.000	-0.000039	0.000	197.270	mg/L
>	Rh	103	298207.803	298207.803				mg/L
	Ag	107	267.674	0.001	0.000015	0.000	34.505	mg/L
	Cd	111	15.686	0.000	0.000001	0.000	170.794	mg/L
	Cd	114	31.096	0.000	0.000002	0.000	132.082	mg/L
	Tl	203	65.668	0.000	0.000003	0.000	45.316	mg/L
	Tl	205	166.337	0.000	0.000004	0.000	26.923	mg/L
	Pb	208	505.678	0.001	0.000005	0.000	29.048	mg/L
>	Bi	209	339206.466	339206.466				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	96.703
	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	92.293
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	103.140
	Ag	106.905	

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	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

93.806

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	231537.795	231537.795		mg/L
Be	9	5.000	0.000	0.000006	mg/L
V	51	5747.910	0.001	0.000016	mg/L
Cr	52	19452.873	0.004	0.000127	mg/L
Cr	53	4451.233	0.000	0.000090	mg/L
Co	59	148.003	0.000	0.000004	mg/L
Cu	63	342.010	0.000	0.000006	mg/L
Cu	65	186.004	0.000	0.000005	mg/L
Zn	66	307.009	-0.000	0.000017	mg/L
Zn	68	1956.249	0.000	0.000019	mg/L
Ge	72	412017.819	412017.819		mg/L
As	75	1215.740	0.000	0.000023	mg/L
Se	77	337.010	0.000	0.000184	mg/L
Se	82	-7.807	0.000	-0.000038	mg/L
Rh	103	294405.088	294405.088		mg/L
Ag	107	357.011	0.001	0.000021	mg/L
Cd	111	18.877	0.000	0.000002	mg/L
Cd	114	48.688	0.000	0.000004	mg/L
Tl	203	62.001	0.000	0.000005	mg/L
Tl	205	198.004	0.000	0.000005	mg/L
Pb	208	582.013	0.001	0.000007	mg/L
Bi	209	332913.936	332913.936		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	234370.376	234370.376		mg/L
Be	9	4.000	0.000	0.000002	mg/L
V	51	6544.883	0.003	0.000083	mg/L
Cr	52	19922.988	0.008	0.000228	mg/L
Cr	53	4168.083	0.000	0.000038	mg/L
Cu	59	111.002	0.000	0.000002	mg/L
Cu	63	338.010	0.000	0.000007	mg/L
Cu	65	189.004	0.000	0.000008	mg/L
Zn	66	326.010	-0.000	-0.000004	mg/L
Zn	68	1868.228	0.000	0.000018	mg/L
Ge	72	393707.558	393707.558		mg/L
As	75	1242.214	0.000	0.000046	mg/L
Se	77	291.008	0.000	0.000073	mg/L
Se	82	-37.870	0.000	0.000117	mg/L
Rh	103	297587.518	297587.518		mg/L
Ag	107	254.006	0.001	0.000014	mg/L
Cd	111	10.334	0.000	-0.000001	mg/L
Cd	114	32.868	0.000	0.000002	mg/L
Tl	203	63.001	0.000	0.000003	mg/L
Tl	205	155.003	0.000	0.000004	mg/L
Pb	208	465.010	0.000	0.000004	mg/L
Bi	209	343670.768	343670.768		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	231318.781	231318.781		mg/L
Be	9	5.000	0.000	0.000008	mg/L
V	51	5467.708	-0.000	-0.000003	mg/L
Cr	52	18737.229	0.002	0.000069	mg/L
Cr	53	4383.188	0.000	0.000023	mg/L
Co	59	120.002	0.000	0.000002	mg/L
Cu	63	310.009	0.000	0.000002	mg/L
Cu	65	174.004	0.000	0.000002	mg/L
Zn	66	306.009	-0.000	-0.000018	mg/L
Zn	68	1927.242	-0.000	-0.000000	mg/L
Ge	72	414475.322	414475.322		mg/L
As	75	1304.078	0.000	0.000045	mg/L
Se	77	304.009	0.000	0.000065	mg/L
Se	82	22.431	0.000	0.000038	mg/L
Rh	103	302650.804	302650.804		mg/L
Ag	107	192.004	0.001	0.000010	mg/L
Cd	111	17.848	0.000	0.000001	mg/L
Cd	114	11.734	-0.000	-0.000001	mg/L
Tl	203	52.001	0.000	0.000002	mg/L
Tl	205	148.003	0.000	0.000003	mg/L
Pb	208	490.010	0.001	0.000005	mg/L
Bi	209	341034.695	341034.695		mg/L

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Sample Information

Sample ID: 1000390-MS1
Autosampler Position: 27
Sample Date/Time: Monday, January 25, 2010 12:01:51
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1000390-MS1.029
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	248045.095	248045.095				mg/L
	Be	9	9817.211	0.040	0.037470	0.000	0.122	mg/L
	V	51	1214278.048	2.680	0.066888	0.001	1.118	mg/L
	Cr	52	885732.184	1.922	0.055862	0.001	1.096	mg/L
	Cr	53	105582.411	0.224	0.054284	0.001	1.416	mg/L
	Co	59	834466.499	1.851	0.044812	0.000	0.773	mg/L
	Cu	63	833701.326	1.849	0.087552	0.001	0.586	mg/L
	Cu	65	408712.708	0.906	0.087605	0.001	0.869	mg/L
	Zn	66	381203.864	0.845	0.130829	0.001	0.404	mg/L
	Zn	68	320974.194	0.707	0.137135	0.002	1.333	mg/L
>	Ge	72	450830.152	450830.152				mg/L
	As	75	210935.720	0.465	0.052775	0.001	1.045	mg/L
	Se	77	11059.111	0.024	0.033643	0.000	1.322	mg/L
	Se	82	14545.237	0.032	0.033299	0.001	2.972	mg/L
>	Rh	103	302332.414	302332.414				mg/L
	Ag	107	605475.028	2.003	0.035554	0.001	2.974	mg/L
	Cd	111	143751.608	0.475	0.035573	0.000	0.184	mg/L
	Cd	114	325721.792	1.077	0.035397	0.001	2.098	mg/L
	Tl	203	455558.137	1.218	0.035063	0.000	1.140	mg/L
	Tl	205	1089185.782	2.912	0.034722	0.001	2.119	mg/L
	Pb	208	5040730.539	13.477	0.117149	0.002	1.872	mg/L
>	Bi	209	374031.001	374031.001				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	103.209
	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	102.299
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	104.567
	Ag	106.905	

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Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	103.436

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	249939 282	249939 282		mg/L
Be	9	8902 880	0 040	0 037511	mg/L
V	51	1198435 204	2 657	0 066303	mg/L
Cr	52	872393 140	1 899	0 055202	mg/L
Cr	53	106792 989	0 227	0 055138	mg/L
Co	59	838835 648	1 867	0 045206	mg/L
Cu	63	634530 900	1 857	0 087950	mg/L
Cu	65	471297 508	0 915	0 088477	mg/L
Zn	66	378779 878	0 845	0 130803	mg/L
Zn	68	314999 125	0 697	0 135049	mg/L
Ge	72	449236 358	449238 358		mg/L
As	75	207665 229	0 460	0 052138	mg/L
Se	77	10973 330	0 024	0 033896	mg/L
Se	82	14991 788	0 033	0 034441	mg/L
Rh	103	303973 683	303973 683		mg/L
Ag	107	594317 868	1 905	0 034702	mg/L
Cd	111	144773 038	0 478	0 035632	mg/L
Cd	114	321680 284	1 058	0 034763	mg/L
Tl	203	152285 880	1 207	0 034754	mg/L
Tl	205	1072412 568	2 883	0 034130	mg/L
Pb	208	4951191 268	13 216	0 114881	mg/L
Bi	209	374613 692	374613 692		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	245475 432	245475 432		mg/L
Be	9	9702.742	0 040	0 037421	mg/L
V	51	1210898 730	2 670	0 066831	mg/L
Cr	52	888339 229	1 928	0 055970	mg/L
Cr	53	105295 093	0 223	0 051687	mg/L
Co	59	830575 443	1 840	0 044555	mg/L
Cu	63	829086 547	1 836	0 086973	mg/L
Cu	65	407750 377	0 903	0 087304	mg/L
Zn	66	383190 855	0 848	0 131371	mg/L
Zn	68	323074 716	0 717	0 137893	mg/L
Ge	72	451313 205	451313 205		mg/L
As	75	212442 982	0 468	0 053098	mg/L
Se	77	11230 675	0 024	0 034142	mg/L
Se	82	14307 414	0 032	0 032717	mg/L
Rh	103	304972 199	304972 199		mg/L
Ag	107	605196 596	1 984	0 035222	mg/L
Cd	111	144721 794	0 474	0 035503	mg/L
Cd	114	326910 687	1 072	0 035213	mg/L
Tl	203	458325 897	1 213	0 034920	mg/L
Tl	205	1093007 713	2 893	0 034490	mg/L
Pb	208	5099175 957	13 495	0 117311	mg/L
Bi	209	377818 658	377818 858		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	248720 590	248720 590		mg/L
Be	9	9845 911	0 040	0 037478	mg/L
V	51	1232502 211	2 714	0 067731	mg/L
Cr	52	896464 182	1 941	0 056413	mg/L
Cr	53	104659 151	0 221	0 053647	mg/L
Co	59	833988 407	1 845	0 044676	mg/L
Cu	63	837468 533	1 852	0 087733	mg/L
Cu	65	407090 242	0 900	0 087041	mg/L
Zn	66	380640 862	0 841	0 130314	mg/L
Zn	68	324848 739	0 714	0 136461	mg/L
Ge	72	451940 895	451940 895		mg/L
As	75	212698 950	0 468	0 053084	mg/L
Se	77	10973 330	0 024	0 033290	mg/L
Se	82	14336 510	0 032	0 032738	mg/L
Rh	103	298051 361	298051 361		mg/L
Ag	107	616910 622	2 070	0 036737	mg/L
Cd	111	141759 994	0 476	0 035584	mg/L
Cd	114	328574 408	1 102	0 035214	mg/L
Tl	203	456082 634	1 234	0 035514	mg/L
Tl	205	1102137 065	2 981	0 035548	mg/L
Pb	208	5071824 391	13 719	0 119257	mg/L
Bi	209	369660 653	369660 653		mg/L

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Sample Information

Sample ID: 1000390-MSD1
Autosampler Position: 28
Sample Date/Time: Monday, January 25, 2010 12:05:13
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1000390-MSD1.030
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	251703.248	251703.248				mg/L
	Be	9	9917.666	0.039	0.037304	0.000	0.810	mg/L
	V	51	1171384.228	2.544	0.063481	0.002	2.802	mg/L
	Cr	52	895021.586	1.911	0.055542	0.002	2.898	mg/L
	Cr	53	107436.892	0.224	0.054356	0.001	2.471	mg/L
	Co	59	840761.612	1.835	0.044424	0.001	1.631	mg/L
	Cu	63	724258.151	1.580	0.074832	0.001	1.768	mg/L
	Cu	65	352215.127	0.768	0.074272	0.001	1.865	mg/L
	Zn	66	331732.705	0.723	0.111983	0.001	0.928	mg/L
	Zn	68	284783.312	0.617	0.119590	0.000	0.243	mg/L
>	Ge	72	458262.268	458262.268				mg/L
	As	75	198873.922	0.431	0.048937	0.001	1.874	mg/L
	Se	77	10971.995	0.023	0.032815	0.000	1.018	mg/L
	Se	82	14532.252	0.032	0.032726	0.000	0.781	mg/L
>	Rh	103	301528.328	301528.328				mg/L
	Ag	107	591272.438	1.961	0.034805	0.001	1.729	mg/L
	Cd	111	140939.735	0.467	0.034971	0.000	0.763	mg/L
	Cd	114	321245.188	1.065	0.035001	0.001	1.973	mg/L
	Tl	203	450417.154	1.239	0.035663	0.001	1.778	mg/L
	Tl	205	1082754.953	2.978	0.035505	0.000	1.166	mg/L
	Pb	208	4243010.461	11.669	0.101438	0.002	2.387	mg/L
>	Bi	209	363592.440	363592.440				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	104.732
	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	103.985
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	104.289
	Ag	106.905	

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	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.550

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	257636 505	257636 505		mg/L
Be	9	10120 243	0 039	0 037189	mg/L
V	51	1188662 339	2 628	0 065532	mg/L
Cr	52	908696 859	1 975	0 057397	mg/L
Cr	53	108489 712	0 230	0 055900	mg/L
Co	59	840632 952	1 868	0 045184	mg/L
Cu	63	725145 648	1 609	0 076217	mg/L
Cu	65	351588 065	0 760	0 075423	mg/L
Zn	66	325825 805	0 723	0 111907	mg/L
Zn	68	280668 988	0 618	0 119915	mg/L
Ge	72	450417 641	450417 641		mg/L
As	75	199185 679	0 439	0 049864	mg/L
Se	77	10680 207	0 023	0 033114	mg/L
Se	82	14242 282	0 032	0 032633	mg/L
Rh	103	302223 711	302223 711		mg/L
Ag	107	580868 291	1 922	0 034113	mg/L
Cd	111	141218 110	0 467	0 034958	mg/L
Cd	114	320643 095	1 061	0 034852	mg/L
Tl	203	444852 264	1 214	0 034954	mg/L
Tl	205	1083715 324	2 958	0 035268	mg/L
Pb	208	4180656 220	11 411	0 099189	mg/L
Bi	209	366349 085	366349 085		mg/L

Repeat 2

Analyte	Mass	Meas Intensity	Net Intensity	Concentration	Report Unit
Li	6	249769 278	249769 278		mg/L
Be	9	9932 014	0 040	0 037647	mg/L
V	51	1102319 023	2 506	0 062554	mg/L
Cr	52	884948 287	1 876	0 054518	mg/L
Cr	53	106844 970	0 221	0 053710	mg/L
Co	59	844980 382	1 832	0 044347	mg/L
Cu	63	727873 824	1 577	0 074699	mg/L
Cu	65	347248 037	0 752	0 072735	mg/L
Zn	66	330944 764	0 717	0 110984	mg/L
Zn	68	286107 369	0 616	0 119353	mg/L
Ge	72	461293 113	461293 113		mg/L
As	75	200137 915	0 431	0 048916	mg/L
Se	77	10927 269	0 023	0 032454	mg/L
Se	82	14757 364	0 032	0 033016	mg/L
Rh	103	299314 457	299314 457		mg/L
Ag	107	593688 272	1 983	0 035205	mg/L
Cd	111	141002 288	0 471	0 035244	mg/L
Cd	114	325773 973	1 088	0 035754	mg/L
Tl	203	453818 852	1 257	0 036176	mg/L
Tl	205	1089884 791	3 018	0 035984	mg/L
Pb	208	4201198 246	11 633	0 101123	mg/L
Bi	209	361109 619	361109 619		mg/L

Repeat 3

Analyte	Mass	Meas Intensity	Net Intensity	Concentration	Report Unit
Li	6	247703 963	247703 963		mg/L
Be	9	9700 740	0 039	0 037077	mg/L
V	51	1163171 327	2 499	0 062358	mg/L
Cr	52	891419 810	1 882	0 054710	mg/L
Cr	53	106878 044	0 220	0 053458	mg/L
Co	59	836681 502	1 807	0 043741	mg/L
Cu	63	719754 981	1 554	0 073581	mg/L
Cu	65	357808 679	0 772	0 074059	mg/L
Zn	66	338427 548	0 730	0.113059	mg/L
Zn	68	287573 578	0 616	0 119503	mg/L
Ge	72	463076 049	463076 049		mg/L
As	75	197298 172	0 423	0 048030	mg/L
Se	77	11108 510	0 023	0 032878	mg/L
Se	82	14597.111	0 032	0 032531	mg/L
Rh	103	303046 816	303046 816		mg/L
Ag	107	599260 751	1 977	0 035098	mg/L
Cd	111	140600 810	0 464	0 034711	mg/L
Cd	114	317318 545	1 047	0 034357	mg/L
Tl	203	452582 346	1 246	0 035858	mg/L
Tl	205	1074654 744	2 958	0 035265	mg/L
Pb	208	4347176 918	11 964	0.104001	mg/L
Bi	209	363318 614	363318 614		mg/L

00770

Sample Information

Sample ID: 0A25028-SRD1
Autosampler Position: 29
Sample Date/Time: Monday, January 25, 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\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-SRD1.031
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	239830.347	239830.347				mg/L
	Be	9	74.668	0.000	0.000281	0.000	22.284	mg/L
	V	51	94816.042	0.208	0.005199	0.000	0.771	mg/L
	Cr	52	73128.196	0.128	0.003723	0.000	1.121	mg/L
	Cr	53	10528.420	0.014	0.003439	0.000	4.086	mg/L
	Co	59	33753.915	0.079	0.001905	0.000	2.879	mg/L
	Cu	63	90839.665	0.212	0.010022	0.000	1.017	mg/L
	Cu	65	44219.804	0.103	0.009954	0.000	2.409	mg/L
	Zn	66	52235.061	0.121	0.018775	0.000	0.576	mg/L
	Zn	68	46547.771	0.104	0.020191	0.000	0.974	mg/L
>	Ge	72	427899.673	427899.673				mg/L
	As	75	13433.195	0.029	0.003250	0.000	0.066	mg/L
	Se	77	394.680	0.000	0.000332	0.000	26.275	mg/L
	Se	82	46.592	0.000	0.000094	0.000	135.962	mg/L
>	Rh	103	297284.511	297284.511				mg/L
	Ag	107	761.376	0.003	0.000045	0.000	16.906	mg/L
	Cd	111	522.057	0.002	0.000128	0.000	4.881	mg/L
	Cd	114	679.417	0.002	0.000073	0.000	2.111	mg/L
	Tl	203	729.373	0.002	0.000058	0.000	7.791	mg/L
	Tl	205	1743.867	0.005	0.000058	0.000	2.523	mg/L
	Pb	208	690036.984	1.976	0.017180	0.000	1.956	mg/L
>	Bi	209	349012.373	349012.373				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	99.791
	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	97.095
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.821
	Ag	106.905	

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Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	96.518

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

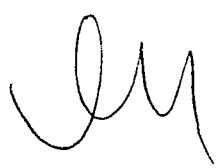
Analyte	Mass	Meas Intensity	Net Intensity	Concentration	Report Unit
Li	6	246520.627	246520.627		mg/L
Be	9	68.001	0.000	0.000247	mg/L
V	51	94680.100	0.207	0.005160	mg/L
Cr	52	73521.633	0.128	0.003722	mg/L
Cr	53	10320.490	0.014	0.003288	mg/L
Co	59	34394.175	0.080	0.001930	mg/L
Cu	63	90791.813	0.210	0.009961	mg/L
Cu	65	44537.140	0.103	0.009969	mg/L
Zn	66	52204.529	0.120	0.018681	mg/L
Zn	68	46548.106	0.104	0.020075	mg/L
Ge	72	430245.358	430245.358		mg/L
As	75	13486.833	0.029	0.003248	mg/L
Se	77	418.015	0.000	0.000401	mg/L
Se	82	104.289	0.000	0.000232	mg/L
Rh	103	296547.083	296547.083		mg/L
Ag	107	901.058	0.003	0.000053	mg/L
Cd	111	494.198	0.002	0.000121	mg/L
Cd	114	876.184	0.002	0.000073	mg/L
Tl	203	749.041	0.002	0.000059	mg/L
Tl	205	1792.211	0.005	0.000058	mg/L
Pb	208	677706.287	1.941	0.016869	mg/L
Bi	209	349053.770	349053.770		mg/L

Repeat 2

Analyte	Mass	Meas Intensity	Net Intensity	Concentration	Report Unit
Li	6	234178.080	234178.080		mg/L
Be	9	91.001	0.000	0.000354	mg/L
V	51	94245.523	0.210	0.005240	mg/L
Cr	52	72757.967	0.130	0.003765	mg/L
Cr	53	10609.858	0.015	0.003587	mg/L
Co	59	33959.393	0.080	0.001943	mg/L
Cu	63	90669.490	0.214	0.010140	mg/L
Cu	65	44842.704	0.105	0.010185	mg/L
Zn	66	51805.043	0.122	0.018875	mg/L
Zn	68	46417.378	0.105	0.020418	mg/L
Ge	72	422126.463	422126.463		mg/L
As	75	13251.573	0.029	0.003250	mg/L
Se	77	398.013	0.000	0.000360	mg/L
Se	82	36.409	0.000	0.000071	mg/L
Rh	103	295662.460	295662.460		mg/L
Ag	107	716.038	0.002	0.000042	mg/L
Cd	111	541.652	0.002	0.000134	mg/L
Cd	114	690.412	0.002	0.000075	mg/L
Tl	203	761.042	0.002	0.000061	mg/L
Tl	205	1704.191	0.005	0.000057	mg/L
Pb	208	694229.978	2.017	0.017537	mg/L
Bi	209	343962.443	343962.443		mg/L

Repeat 3

Analyte	Mass	Meas Intensity	Net Intensity	Concentration	Report Unit
Li	6	238792.334	238792.334		mg/L
Be	9	65.001	0.000	0.000743	mg/L
V	51	95522.504	0.208	0.005195	mg/L
Cr	52	73104.988	0.127	0.003681	mg/L
Cr	53	10654.914	0.014	0.003462	mg/L
Co	59	32908.177	0.076	0.001842	mg/L
Cu	63	91057.693	0.210	0.009965	mg/L
Cu	65	43479.587	0.100	0.009707	mg/L
Zn	66	52695.610	0.121	0.018790	mg/L
Zn	68	46677.830	0.104	0.020081	mg/L
Ge	72	431327.197	431327.197		mg/L
As	75	13549.178	0.029	0.003253	mg/L
Se	77	368.012	0.000	0.000234	mg/L
Se	82	-0.901	0.000	-0.000021	mg/L
Rh	103	299643.991	299643.991		mg/L
Ag	107	667.033	0.002	0.000039	mg/L
Cd	111	530.321	0.002	0.000129	mg/L
Cd	114	671.655	0.002	0.000072	mg/L
Tl	203	678.034	0.002	0.000053	mg/L
Tl	205	1735.198	0.005	0.000057	mg/L
Pb	208	698174.686	1.971	0.017135	mg/L
Bi	209	354020.906	354020.906		mg/L



00772

Sample Information

Sample ID: 1000390-PS1
Autosampler Position: 30
Sample Date/Time: Monday, January 25, 2010 12:12:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1000390-PS1.032
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	246350.166	246350.166				mg/L
	Be	9	5537.562	0.022	0.021279	0.000	1.440	mg/L
	V	51	824500.114	1.857	0.046354	0.001	1.763	mg/L
	Cr	52	604192.332	1.328	0.038604	0.000	0.634	mg/L
	Cr	53	72902.904	0.155	0.037598	0.001	1.331	mg/L
	Co	59	527122.820	1.196	0.028953	0.000	0.709	mg/L
	Cu	63	629125.026	1.427	0.067575	0.001	1.290	mg/L
	Cu	65	310278.399	0.704	0.068022	0.001	1.480	mg/L
	Zn	66	310042.260	0.703	0.108825	0.002	1.823	mg/L
	Zn	68	266115.306	0.599	0.116171	0.001	0.935	mg/L
>	Ge	72	440742.242	440742.242				mg/L
	As	75	137024.330	0.308	0.034965	0.000	0.967	mg/L
	Se	77	6179.686	0.013	0.018815	0.000	1.698	mg/L
	Se	82	7886.584	0.018	0.018460	0.000	0.865	mg/L
>	Rh	103	288574.910	288574.910				mg/L
	Ag	107	321947.915	1.116	0.019803	0.000	1.796	mg/L
	Cd	111	73732.379	0.255	0.019116	0.000	1.586	mg/L
	Cd	114	169328.216	0.587	0.019276	0.000	1.641	mg/L
	Tl	203	238414.523	0.668	0.019235	0.001	3.440	mg/L
	Tl	205	572815.140	1.605	0.019142	0.001	3.779	mg/L
	Pb	208	4348151.602	12.185	0.105921	0.003	2.707	mg/L
>	Bi	209	356951.641	356951.641				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	102.504
	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	100.010
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.809
	Ag	106.905	

99773

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	98.713

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	251448.681	251448.681		mg/L
Be	9	5828.957	0.022	0.021188	mg/L
V	51	801510.617	1.823	0.045491	mg/L
Cr	52	602300.631	1.337	0.038659	mg/L
Cr	53	73251.265	0.157	0.038175	mg/L
Co	59	523769.853	1.200	0.029047	mg/L
Cu	63	822063.372	1.424	0.067456	mg/L
Cu	65	307565.987	0.704	0.066073	mg/L
Zn	66	306586.871	0.701	0.108842	mg/L
Zn	68	266409.051	0.608	0.117421	mg/L
Ge	72	436543.628	436543.628		mg/L
As	75	137205.129	0.312	0.035350	mg/L
Se	77	6173.347	0.013	0.018984	mg/L
Se	82	7680.923	0.018	0.016623	mg/L
Rh	103	289929.148	289929.148		mg/L
Ag	107	317408.016	1.095	0.019431	mg/L
Cd	111	72957.222	0.252	0.018825	mg/L
Cd	114	187022.479	0.576	0.018923	mg/L
Tl	203	234534.911	0.642	0.018479	mg/L
Tl	205	561228.414	1.536	0.018314	mg/L
Pb	208	4319143.206	11.822	0.102761	mg/L
Bi	209	365331.846	365331.846		mg/L

Repeat 2

Analyte	Mass	Meas Intensity	Net Intensity	Concentration	Report Unit
Li	6	240596.137	240596.137		mg/L
Be	9	5495.867	0.023	0.021620	mg/L
V	51	837725.822	1.888	0.047118	mg/L
Cr	52	603717.890	1.327	0.036580	mg/L
Cr	53	72316.142	0.154	0.037282	mg/L
Co	59	522716.492	1.186	0.028717	mg/L
Cu	63	637807.986	1.448	0.068500	mg/L
Cu	65	314693.910	0.714	0.069003	mg/L
Zn	66	315873.307	0.716	0.110894	mg/L
Zn	68	284454.224	0.596	0.115481	mg/L
Ge	72	440641.096	440641.096		mg/L
As	75	136488.414	0.307	0.034833	mg/L
Se	77	6241.399	0.013	0.019016	mg/L
Se	82	7882.055	0.018	0.018452	mg/L
Rh	103	290183.788	290183.788		mg/L
Ag	107	324347.777	1.118	0.019838	mg/L
Cd	111	74059.732	0.255	0.019092	mg/L
Cd	114	171110.847	0.590	0.019369	mg/L
Tl	203	239708.079	0.685	0.019708	mg/L
Tl	205	577211.842	1.649	0.019855	mg/L
Pb	208	4364437.407	12.465	0.108355	mg/L
Bi	209	350103.467	350103.467		mg/L

Repeat 3

Analyte	Mass	Meas Intensity	Net Intensity	Concentration	Report Unit
Li	6	247005.682	247005.682		mg/L
Be	9	5487.861	0.022	0.021028	mg/L
V	51	834283.903	1.861	0.046453	mg/L
Cr	52	606558.476	1.320	0.038372	mg/L
Cr	53	73141.305	0.154	0.037338	mg/L
Co	59	534862.116	1.207	0.029094	mg/L
Cu	63	627703.721	1.410	0.066768	mg/L
Cu	65	308575.300	0.693	0.066991	mg/L
Zn	66	307666.602	0.690	0.106940	mg/L
Zn	68	267482.643	0.596	0.115630	mg/L
Ge	72	445042.005	445042.005		mg/L
As	75	137379.446	0.308	0.034713	mg/L
Se	77	6124.311	0.013	0.018447	mg/L
Se	82	7896.773	0.018	0.018304	mg/L
Rh	103	285611.792	285611.792		mg/L
Ag	107	324087.953	1.135	0.020140	mg/L
Cd	111	74180.184	0.260	0.019430	mg/L
Cd	114	169851.323	0.595	0.019535	mg/L
Tl	203	241000.578	0.678	0.019518	mg/L
Tl	205	580005.165	1.632	0.019455	mg/L
Pb	208	4360874.192	12.269	0.106647	mg/L
Bi	209	355419.609	355419.609		mg/L

98774

Sample Information

Sample ID: 1001177-12
Autosampler Position: 31
Sample Date/Time: Monday, January 25, 2010 12:15:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001177-12.033
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	269786.577	269786.577				mg/L
	Be	9	489.353	0.002	0.001701	0.000	8.031	mg/L
	V	51	706273.227	1.572	0.039242	0.001	2.069	mg/L
	Cr	52	601073.238	1.307	0.037982	0.000	1.151	mg/L
	Cr	53	70408.367	0.148	0.035815	0.001	1.916	mg/L
	Co	59	95799.514	0.215	0.005203	0.000	1.031	mg/L
	Cu	63	1019793.494	2.289	0.108422	0.002	1.615	mg/L
	Cu	65	496487.684	1.114	0.107734	0.001	0.701	mg/L
	Zn	66	1214663.484	2.726	0.422274	0.001	0.330	mg/L
	Zn	68	946809.766	2.121	0.411277	0.003	0.844	mg/L
>	Ge	72	445372.268	445372.268				mg/L
	As	75	38732.721	0.084	0.009556	0.000	0.121	mg/L
	Se	77	812.048	0.001	0.001602	0.000	11.065	mg/L
	Se	82	426.612	0.001	0.000971	0.000	12.547	mg/L
>	Rh	103	291013.990	291013.990				mg/L
	Ag	107	2720.139	0.009	0.000165	0.000	7.920	mg/L
	Cd	111	3435.009	0.012	0.000880	0.000	0.925	mg/L
	Cd	114	3594.903	0.012	0.000404	0.000	1.392	mg/L
	Tl	203	4354.848	0.012	0.000353	0.000	2.373	mg/L
	Tl	205	10521.745	0.030	0.000354	0.000	2.668	mg/L
	Pb	208	1089223.802	3.087	0.026838	0.001	1.919	mg/L
>	Bi	209	352675.277	352675.277				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	112.256
	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	101.060
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.652
	Ag	106.905	

00775

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	97.531

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	267559.039	267559.039		mg/L
Be	9	472.018	0.002	0.001656	mg/L
V	51	685715.853	1.543	0.038503	mg/L
Cr	52	586283.381	1.292	0.037558	mg/L
Cr	53	68230.868	0.144	0.035029	mg/L
Co	59	95228.948	0.216	0.005227	mg/L
Cu	63	1025097.988	2.325	0.110139	mg/L
Cu	65	493832.814	1.120	0.108251	mg/L
Zn	66	1201883.972	2.727	0.422315	mg/L
Zn	68	937763.204	2.123	0.411887	mg/L
Ge	72	440681.132	440681.132		mg/L
As	75	38349.413	0.084	0.009562	mg/L
Se	77	799.046	0.001	0.001588	mg/L
Se	82	437.715	0.001	0.001007	mg/L
Rh	103	285607.654	285607.654		mg/L
Ag	107	2859.523	0.010	0.000177	mg/L
Cd	111	3360.629	0.012	0.000885	mg/L
Cd	114	3583.884	0.012	0.000410	mg/L
Tl	203	4288.145	0.012	0.000349	mg/L
Tl	205	10421.617	0.030	0.000353	mg/L
Pb	208	1059432.287	3.021	0.026280	mg/L
Bi	209	350584.058	350584.058		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	265156.011	265156.011		mg/L
Be	9	450.017	0.002	0.001593	mg/L
V	51	708365.675	1.567	0.039111	mg/L
Cr	52	610094.138	1.322	0.038432	mg/L
Cr	53	71215.715	0.149	0.036122	mg/L
Co	59	95006.471	0.212	0.005142	mg/L
Cu	63	1006875.882	2.252	0.106639	mg/L
Cu	65	499868.442	1.118	0.108082	mg/L
Zn	66	1214908.240	2.717	0.420858	mg/L
Zn	68	941749.418	2.102	0.407819	mg/L
Ge	72	446960.734	446960.734		mg/L
As	75	38698.731	0.084	0.009563	mg/L
Se	77	761.042	0.001	0.001432	mg/L
Se	82	471.395	0.001	0.001071	mg/L
Rh	103	291725.245	291725.245		mg/L
Ag	107	2753.482	0.009	0.000167	mg/L
Cd	111	3460.797	0.012	0.000884	mg/L
Cd	114	3565.779	0.012	0.000400	mg/L
Tl	203	4437.225	0.013	0.000363	mg/L
Tl	205	10735.017	0.031	0.000364	mg/L
Pb	208	1097103.846	3.135	0.027249	mg/L
Bi	209	349882.467	349882.467		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	276844.683	276844.683		mg/L
Be	9	546.023	0.002	0.001855	mg/L
V	51	726738.153	1.607	0.040111	mg/L
Cr	52	604842.189	1.306	0.037957	mg/L
Cr	53	71778.518	0.150	0.036296	mg/L
Co	59	97163.123	0.216	0.005241	mg/L
Cu	63	1027606.617	2.291	0.108489	mg/L
Cu	65	495943.995	1.105	0.106868	mg/L
Zn	66	1227100.241	2.735	0.423648	mg/L
Zn	68	960918.678	2.138	0.414526	mg/L
Ge	72	448474.936	448474.936		mg/L
As	75	38950.020	0.084	0.009543	mg/L
Se	77	878.055	0.001	0.001786	mg/L
Se	82	370.728	0.001	0.000835	mg/L
Rh	103	295709.071	295709.071		mg/L
Ag	107	2537.412	0.008	0.000151	mg/L
Cd	111	3453.600	0.012	0.000871	mg/L
Cd	114	3635.046	0.012	0.000402	mg/L
Tl	203	4341.174	0.012	0.000347	mg/L
Tl	205	10408.600	0.029	0.000345	mg/L
Pb	208	1111135.473	3.107	0.027005	mg/L
Bi	209	357559.308	357559.308		mg/L

00776

Sample Information

Sample ID: 1001177-13
Autosampler Position: 32
Sample Date/Time: Monday, January 25, 2010 12:18:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001177-13.034
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	258884.661	258884.661				mg/L
	Be	9	886.723	0.003	0.003228	0.000	2.767	mg/L
	V	51	640707.283	1.413	0.035263	0.001	2.333	mg/L
	Cr	52	433120.889	0.921	0.026778	0.000	1.775	mg/L
	Cr	53	51852.673	0.105	0.025467	0.000	1.103	mg/L
	Co	59	312466.874	0.695	0.016834	0.000	2.187	mg/L
	Cu	63	1546080.436	3.441	0.162961	0.003	1.976	mg/L
	Cu	65	749512.097	1.668	0.161252	0.004	2.235	mg/L
	Zn	66	740452.967	1.647	0.255116	0.003	1.121	mg/L
	Zn	68	610577.531	1.354	0.262569	0.002	0.663	mg/L
>	Ge	72	449325.970	449325.970				mg/L
	As	75	131027.454	0.289	0.032778	0.000	0.924	mg/L
	Se	77	1050.077	0.002	0.002327	0.000	4.923	mg/L
	Se	82	639.576	0.001	0.001451	0.000	10.683	mg/L
>	Rh	103	284416.892	284416.892				mg/L
	Ag	107	3308.690	0.012	0.000206	0.000	3.179	mg/L
	Cd	111	5773.325	0.020	0.001515	0.000	0.829	mg/L
	Cd	114	9205.541	0.032	0.001061	0.000	1.810	mg/L
	Tl	203	7544.490	0.021	0.000594	0.000	3.074	mg/L
	Tl	205	18646.359	0.051	0.000609	0.000	1.075	mg/L
	Pb	208	15025406.087	41.287	0.358689	0.005	1.493	mg/L
>	Bi	209	363979.651	363979.651				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	107.720
	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	101.957
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.370
	Ag	106.905	

0077

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.657

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	285839.038	285639.038		mg/L
Be	9	938.062	0.004	0.003330	mg/L
V	51	648881.842	1.450	0.036194	mg/L
Cr	52	433996.706	0.936	0.027208	mg/L
Cr	53	51673.227	0.106	0.025742	mg/L
Co	59	307852.275	0.694	0.016807	mg/L
Cu	63	1560241.493	3.518	0.166638	mg/L
Cu	65	757369.803	1.708	0.165100	mg/L
Zn	66	732715.656	1.652	0.255825	mg/L
Zn	68	605467.236	1.361	0.263870	mg/L
Ge	72	443370.320	143370.320		mg/L
As	75	130510.266	0.292	0.033087	mg/L
Se	77	1019.072	0.002	0.002273	mg/L
Se	82	618.683	0.001	0.001423	mg/L
Rh	103	286086.677	286086.677		mg/L
Ag	107	3208.650	0.011	0.000198	mg/L
Cd	111	5860.895	0.020	0.001530	mg/L
Cd	114	9075.962	0.032	0.001040	mg/L
Tl	203	7458.411	0.020	0.000576	mg/L
Tl	205	18817.410	0.051	0.000603	mg/L
Pb	208	15066796.490	40.597	0.352896	mg/L
Bi	209	371120.449	371120.449		mg/L

Repeat 2

Analyte	Mass	Meas Intensity	Net Intensity	Concentration	Report Unit
Li	6	256482.709	256482.709		mg/L
Be	9	868.054	0.003	0.003181	mg/L
V	51	635406.993	1.401	0.034959	mg/L
Cr	52	434461.937	0.924	0.026858	mg/L
Cr	53	51880.511	0.105	0.025477	mg/L
Co	59	319589.068	0.711	0.017215	mg/L
Cu	63	1533638.180	3.412	0.161611	mg/L
Cu	65	747156.615	1.682	0.160702	mg/L
Zn	66	747829.325	1.663	0.257554	mg/L
Zn	68	606042.912	1.344	0.260590	mg/L
Ge	72	449358.696	449358.696		mg/L
As	75	130994.670	0.289	0.032764	mg/L
Se	77	1025.073	0.002	0.002249	mg/L
Se	82	578.751	0.001	0.001312	mg/L
Rh	103	285919.067	285919.067		mg/L
Ag	107	3404.729	0.012	0.000210	mg/L
Cd	111	5788.112	0.020	0.001511	mg/L
Cd	114	9197.547	0.033	0.001078	mg/L
Tl	203	7704.637	0.021	0.000613	mg/L
Tl	205	18679.098	0.052	0.000616	mg/L
Pb	208	15067466.943	41.784	0.363213	mg/L
Bi	209	360595.035	360595.035		mg/L

Repeat 3

Analyte	Mass	Meas Intensity	Net Intensity	Concentration	Report Unit
Li	6	254532.234	254532.234		mg/L
Be	9	854.052	0.003	0.003163	mg/L
V	51	637833.013	1.388	0.034635	mg/L
Cr	52	430902.022	0.904	0.026268	mg/L
Cr	53	52004.280	0.104	0.025181	mg/L
Co	59	309959.280	0.681	0.016480	mg/L
Cu	63	1544361.634	3.392	0.160635	mg/L
Cu	65	744009.872	1.634	0.157954	mg/L
Zn	66	741013.719	1.627	0.251970	mg/L
Zn	68	620222.444	1.358	0.263246	mg/L
Ge	72	455248.892	155248.892		mg/L
As	75	131577.427	0.286	0.032482	mg/L
Se	77	1106.084	0.002	0.002458	mg/L
Se	82	721.293	0.002	0.001618	mg/L
Rh	103	281244.931	281244.931		mg/L
Ag	107	3312.691	0.012	0.000208	mg/L
Cd	111	5670.970	0.020	0.001505	mg/L
Cd	114	9143.115	0.032	0.001088	mg/L
Tl	203	7470.422	0.021	0.000594	mg/L
Tl	205	18442.569	0.051	0.000609	mg/L
Pb	208	14941952.827	41.479	0.360559	mg/L
Bi	209	360223.468	360223.468		mg/L

00778

Sample Information

Sample ID: 1001177-14
Autosampler Position: 33
Sample Date/Time: Monday, January 25, 2010 12:22:12
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001177-14.035
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	255134.973	255134.973				mg/L
	Be	9	76.001	0.000	0.000267	0.000	12.560	mg/L
	V	51	593337.970	1.372	0.034232	0.001	2.451	mg/L
	Cr	52	352180.290	0.779	0.022649	0.001	2.267	mg/L
	Cr	53	43153.941	0.090	0.021904	0.001	2.467	mg/L
	Co	59	176818.955	0.413	0.009988	0.000	2.705	mg/L
	Cu	63	168922.189	0.394	0.018642	0.000	0.657	mg/L
	Cu	65	86207.150	0.201	0.019416	0.000	0.523	mg/L
	Zn	66	118058.016	0.275	0.042551	0.000	1.084	mg/L
	Zn	68	94818.339	0.217	0.042014	0.000	0.326	mg/L
>	Ge	72	428384.677	428384.677				mg/L
	As	75	53971.280	0.123	0.013984	0.000	0.579	mg/L
	Se	77	637.364	0.001	0.001129	0.000	3.087	mg/L
	Se	82	208.694	0.000	0.000485	0.000	18.905	mg/L
>	Rh	103	280988.823	280988.823				mg/L
	Ag	107	1019.406	0.004	0.000063	0.000	6.091	mg/L
	Cd	111	1895.460	0.007	0.000501	0.000	5.277	mg/L
	Cd	114	968.728	0.003	0.000111	0.000	2.087	mg/L
	Tl	203	2109.622	0.006	0.000177	0.000	3.162	mg/L
	Tl	205	4990.211	0.015	0.000174	0.000	3.635	mg/L
	Pb	208	448727.072	1.327	0.011532	0.000	3.601	mg/L
>	Bi	209	338041.107	338041.107				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	106.160
	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	97.206
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	97.185
	Ag	106.905	

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	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

93.484

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	264678.170	264678.170		mg/L
Be	9	86.001	0.000	0.000293	mg/L
V	51	613620.295	1.410	0.035183	mg/L
Cr	52	362015.697	0.797	0.023158	mg/L
Cr	53	44540.158	0.093	0.022526	mg/L
Co	59	183510.373	0.425	0.010299	mg/L
Cu	63	171057.497	0.398	0.018754	mg/L
Cu	65	80981.455	0.201	0.019462	mg/L
Zn	66	120144.070	0.278	0.043020	mg/L
Zn	68	95381.702	0.217	0.041985	mg/L
Ge	72	431217.744	431217.744		mg/L
As	75	54217.762	0.123	0.013954	mg/L
Se	77	653.032	0.001	0.001167	mg/L
Se	82	166.238	0.000	0.000380	mg/L
Rh	103	280126.169	280126.169		mg/L
Ag	107	951.084	0.002	0.000059	mg/L
Cd	111	1780.573	0.006	0.000472	mg/L
Cd	114	973.307	0.003	0.000112	mg/L
Tl	203	2090.283	0.006	0.000175	mg/L
Tl	205	4945.516	0.014	0.000172	mg/L
Pb	208	434391.560	1.283	0.011148	mg/L
Bi	209	338469.187	338469.187		mg/L

Repeat 2

Analyte	Mass	Meas Intensity	Net Intensity	Concentration	Report Unit
Li	6	252024.700	252024.700		mg/L
Be	9	78.001	0.000	0.000279	mg/L
V	51	590385.489	1.359	0.033918	mg/L
Cr	52	353787.474	0.779	0.022657	mg/L
Cr	53	42868.398	0.089	0.021641	mg/L
Co	59	174408.933	0.405	0.009811	mg/L
Cu	63	159788.119	0.394	0.018660	mg/L
Cu	65	86058.842	0.200	0.019300	mg/L
Zn	66	117304.008	0.272	0.042098	mg/L
Zn	68	94958.911	0.218	0.041894	mg/L
Ge	72	430214.841	430214.841		mg/L
As	75	53068.507	0.123	0.013922	mg/L
Se	77	638.031	0.001	0.001172	mg/L
Se	82	227.911	0.001	0.000529	mg/L
Rh	103	284223.503	284223.503		mg/L
Ag	107	1041.075	0.004	0.000064	mg/L
Cd	111	2003.358	0.007	0.000524	mg/L
Cd	114	994.829	0.003	0.000113	mg/L
Tl	203	2067.277	0.006	0.000173	mg/L
Tl	205	4864.468	0.014	0.000169	mg/L
Pb	208	448555.970	1.320	0.011475	mg/L
Bi	209	339555.061	339555.061		mg/L

Repeat 3

Analyte	Mass	Meas Intensity	Net Intensity	Concentration	Report Unit
Li	6	248702.049	248702.049		mg/L
Be	9	64.001	0.000	0.000229	mg/L
V	51	576008.127	1.346	0.033596	mg/L
Cr	52	340757.699	0.781	0.022131	mg/L
Cr	53	42055.271	0.088	0.021547	mg/L
Co	59	172537.558	0.407	0.009854	mg/L
Cu	63	165910.950	0.391	0.018512	mg/L
Cu	65	85581.053	0.202	0.019487	mg/L
Zn	66	116725.971	0.275	0.042534	mg/L
Zn	68	94114.403	0.217	0.042163	mg/L
Ge	72	423721.444	423721.444		mg/L
As	75	53727.572	0.124	0.014075	mg/L
Se	77	621.029	0.001	0.001098	mg/L
Se	82	231.935	0.001	0.000547	mg/L
Rh	103	278616.798	278616.798		mg/L
Ag	107	1066.079	0.004	0.000067	mg/L
Cd	111	1902.448	0.007	0.000508	mg/L
Cd	114	938.048	0.003	0.000109	mg/L
Tl	203	2171.305	0.006	0.000183	mg/L
Tl	205	5160.849	0.015	0.000181	mg/L
Pb	208	463233.685	1.377	0.011973	mg/L
Bi	209	336099.072	336099.072		mg/L

20788

Sample Information

Sample ID: 1001177-15
Autosampler Position: 34
Sample Date/Time: Monday, January 25, 2010 12:25:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001177-15.036
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	242266.435	242266.435				mg/L
	Be	9	98.335	0.000	0.000370	0.000	5.829	mg/L
	V	51	491625.581	1.143	0.028535	0.000	1.436	mg/L
	Cr	52	272178.357	0.598	0.017368	0.000	1.470	mg/L
	Cr	53	34004.590	0.070	0.016876	0.000	2.016	mg/L
	Co	59	169142.741	0.398	0.009629	0.000	0.216	mg/L
	Cu	63	184431.732	0.433	0.020516	0.000	1.127	mg/L
	Cu	65	92022.598	0.216	0.020890	0.000	0.816	mg/L
	Zn	66	157390.770	0.369	0.057216	0.001	1.025	mg/L
	Zn	68	126411.054	0.293	0.056755	0.001	1.330	mg/L
>	Ge	72	425072.409	425072.409				mg/L
	As	75	66217.998	0.153	0.017365	0.000	1.522	mg/L
	Se	77	644.698	0.001	0.001170	0.000	5.543	mg/L
	Se	82	106.776	0.000	0.000241	0.000	8.180	mg/L
>	Rh	103	286430.004	286430.004				mg/L
	Ag	107	1140.089	0.004	0.000070	0.000	3.932	mg/L
	Cd	111	1946.411	0.007	0.000505	0.000	5.998	mg/L
	Cd	114	1196.905	0.004	0.000135	0.000	7.269	mg/L
	Tl	203	2578.425	0.008	0.000218	0.000	3.647	mg/L
	Tl	205	5995.883	0.018	0.000211	0.000	4.576	mg/L
	Pb	208	502759.844	1.492	0.012972	0.000	3.195	mg/L
>	Bi	209	336912.951	336912.951				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.805
	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	96.454
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.067
	Ag	106.905	

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Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	93.172

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	248832.870	248832.870		mg/L
Be	9	97.002	0.000	0.000355	mg/L
V	51	490312.730	1.134	0.028303	mg/L
Cr	52	269423.714	0.568	0.017081	mg/L
Cr	53	34563.876	0.070	0.017090	mg/L
Co	59	170487.587	0.398	0.009653	mg/L
Cu	63	184522.365	0.431	0.020417	mg/L
Cu	65	92004.011	0.215	0.020774	mg/L
Zn	66	159542.325	0.372	0.057690	mg/L
Zn	68	128971.637	0.297	0.057612	mg/L
Ge	72	427348.849	427348.849		mg/L
As	75	65507.675	0.151	0.017081	mg/L
Se	77	660.033	0.001	0.001209	mg/L
Se	82	116.504	0.000	0.000263	mg/L
Rh	103	286078.399	286078.399		mg/L
Ag	107	1090.082	0.004	0.000067	mg/L
Cd	111	1812.478	0.006	0.000471	mg/L
Cd	114	1141.587	0.004	0.000129	mg/L
Tl	203	2603.433	0.007	0.000212	mg/L
Tl	205	5906.151	0.017	0.000200	mg/L
Pb	208	503624.004	1.439	0.012511	mg/L
Bi	209	349708.382	349708.382		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	242006.108	242006.108		mg/L
Be	9	98.002	0.000	0.000361	mg/L
V	51	489012.783	1.134	0.028295	mg/L
Cr	52	274278.336	0.600	0.017455	mg/L
Cr	53	33417.202	0.068	0.016484	mg/L
Co	59	169480.752	0.397	0.009620	mg/L
Cu	63	187353.522	0.439	0.020780	mg/L
Cu	65	93158.745	0.218	0.021086	mg/L
Zn	66	156054.168	0.365	0.056560	mg/L
Zn	68	126136.710	0.291	0.056462	mg/L
Ge	72	426337.985	426337.985		mg/L
As	75	66587.137	0.153	0.017409	mg/L
Se	77	624.030	0.001	0.001095	mg/L
Se	82	104.268	0.000	0.000234	mg/L
Rh	103	284569.002	284569.002		mg/L
Ag	107	1170.094	0.004	0.000072	mg/L
Cd	111	1977.180	0.007	0.000517	mg/L
Cd	114	1287.757	0.004	0.000147	mg/L
Tl	203	2838.444	0.008	0.000227	mg/L
Tl	205	6088.284	0.018	0.000217	mg/L
Pb	208	507543.300	1.531	0.013312	mg/L
Bi	209	331221.440	331221.440		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	235960.328	235960.328		mg/L
Be	9	102.002	0.000	0.000395	mg/L
V	51	495551.250	1.162	0.029006	mg/L
Cr	52	272833.021	0.604	0.017569	mg/L
Cr	53	34032.691	0.070	0.017055	mg/L
Co	59	167479.685	0.397	0.009615	mg/L
Cu	63	181419.308	0.430	0.020350	mg/L
Cu	65	90905.038	0.215	0.020810	mg/L
Zn	66	156575.820	0.371	0.057388	mg/L
Zn	68	124124.817	0.290	0.056191	mg/L
Ge	72	421530.392	421530.392		mg/L
As	75	66558.983	0.155	0.017604	mg/L
Se	77	650.032	0.001	0.001206	mg/L
Se	82	99.558	0.000	0.000225	mg/L
Rh	103	288642.611	288642.611		mg/L
Ag	107	1160.092	0.004	0.000070	mg/L
Cd	111	2049.578	0.007	0.000528	mg/L
Cd	114	1161.372	0.004	0.000130	mg/L
Tl	203	2492.398	0.007	0.000215	mg/L
Tl	205	5393.214	0.018	0.000215	mg/L
Pb	208	497112.229	1.506	0.013094	mg/L
Bi	209	329809.031	329809.031		mg/L

88782

Sample Information

Sample ID: 1000579-BLK1
Autosampler Position: 35
Sample Date/Time: Monday, January 25, 2010 12:29:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1000579-BLK1.037
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	236452.103	236452.103				mg/L
	Be	9	3.000	-0.000	-0.000002	0.000	163.983	mg/L
	V	51	6864.488	0.003	0.000085	0.000	18.118	mg/L
	Cr	52	21039.077	0.008	0.000241	0.000	16.335	mg/L
	Cr	53	4216.442	-0.000	-0.000044	0.000	145.165	mg/L
	Co	59	143.336	0.000	0.000003	0.000	17.199	mg/L
	Cu	63	422.682	0.000	0.000015	0.000	27.349	mg/L
	Cu	65	212.005	0.000	0.000011	0.000	21.624	mg/L
	Zn	66	2583.760	0.005	0.000840	0.000	2.052	mg/L
	Zn	68	3731.873	0.004	0.000857	0.000	2.997	mg/L
>	Ge	72	411446.915	411446.915				mg/L
	As	75	1311.287	0.000	0.000050	0.000	62.371	mg/L
	Se	77	298.342	0.000	0.000053	0.000	81.127	mg/L
	Se	82	0.131	-0.000	-0.000018	0.000	885.113	mg/L
>	Rh	103	303279.812	303279.812				mg/L
	Ag	107	186.337	0.001	0.000010	0.000	6.884	mg/L
	Cd	111	52.871	0.000	0.000010	0.000	59.776	mg/L
	Cd	114	15.538	-0.000	-0.000000	0.000	831.185	mg/L
	Tl	203	30.334	-0.000	-0.000000	0.000	879.672	mg/L
	Tl	205	74.001	0.000	0.000001	0.000	33.202	mg/L
	Pb	208	883.027	0.002	0.000014	0.000	0.706	mg/L
>	Bi	209	353998.429	353998.429				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	98.386
	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	93.362
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	104.895
	Ag	106.905	

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Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	97.897

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

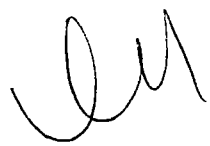
Analyte	Mass	Meas Intensity	Net Intensity	Concentration	Report Unit
Li	6	237477.540	237477.540		mg/L
Be	9	4.000	0.000	0.000002	mg/L
V	51	7078.038	0.004	0.000100	mg/L
Cr	52	21547.036	0.010	0.000287	mg/L
Cr	53	4241.121	-0.000	-0.000014	mg/L
Co	59	132.002	0.000	0.000003	mg/L
Cu	63	446.018	0.000	0.000018	mg/L
Cu	65	213.005	0.000	0.000012	mg/L
Zn	66	2574.423	0.005	0.000843	mg/L
Zn	68	3654.838	0.004	0.000832	mg/L
Ge	72	408824.123	408824.123		mg/L
As	75	1412.552	0.001	0.000080	mg/L
Se	77	293.068	0.000	0.000041	mg/L
Se	82	68.170	0.000	0.000154	mg/L
Rh	103	303371.312	303371.312		mg/L
Ag	107	199.004	0.001	0.000011	mg/L
Cd	111	78.587	0.000	0.000016	mg/L
Cd	114	31.492	0.000	0.000002	mg/L
Tl	203	23.000	-0.000	-0.000001	mg/L
Tl	205	67.001	0.000	0.000000	mg/L
Pb	208	681.027	0.002	0.000014	mg/L
Bi	209	354903.282	354903.282		mg/L

Repeat 2

Analyte	Mass	Meas Intensity	Net Intensity	Concentration	Report Unit
Li	6	237482.684	237482.684		mg/L
Be	9	2.000	-0.000	-0.000005	mg/L
V	51	6612.143	0.003	0.000070	mg/L
Cr	52	20698.681	0.008	0.000218	mg/L
Cr	53	4287.145	0.000	-0.000001	mg/L
Co	59	145.003	0.000	0.000003	mg/L
Cu	63	438.010	0.000	0.000017	mg/L
Cu	65	221.005	0.000	0.000014	mg/L
Zn	66	2532.410	0.005	0.000822	mg/L
Zn	68	3783.897	0.005	0.000863	mg/L
Ge	72	411084.364	411084.364		mg/L
As	75	1317.379	0.000	0.000052	mg/L
Se	77	312.009	0.000	0.000101	mg/L
Se	82	53.040	-0.000	-0.000157	mg/L
Rh	103	304651.790	304651.790		mg/L
Ag	107	185.004	0.001	0.000010	mg/L
Cd	111	48.336	0.000	0.000009	mg/L
Cd	114	10.510	-0.000	-0.000001	mg/L
Tl	203	29.000	-0.000	-0.000000	mg/L
Tl	205	78.001	0.000	0.000001	mg/L
Pb	208	894.028	0.002	0.000014	mg/L
Bi	209	356910.352	356910.352		mg/L

Repeat 3

Analyte	Mass	Meas Intensity	Net Intensity	Concentration	Report Unit
Li	6	234396.085	234396.085		mg/L
Be	9	3.000	-0.000	-0.000002	mg/L
V	51	6903.286	0.003	0.000084	mg/L
Cr	52	20871.312	0.008	0.000219	mg/L
Cr	53	4121.060	-0.000	-0.000118	mg/L
Co	59	153.003	0.000	0.000004	mg/L
Cu	63	384.013	0.000	0.000011	mg/L
Cu	65	202.004	0.000	0.000009	mg/L
Zn	66	2644.448	0.008	0.000856	mg/L
Zn	68	3756.884	0.004	0.000856	mg/L
Ge	72	414432.257	414432.257		mg/L
As	75	1203.929	0.000	0.000018	mg/L
Se	77	290.008	0.000	0.000017	mg/L
Se	82	-14.738	-0.000	-0.000055	mg/L
Rh	103	301816.335	301816.335		mg/L
Ag	107	175.004	0.001	0.000009	mg/L
Cd	111	31.689	0.000	0.000005	mg/L
Cd	114	4.814	-0.000	-0.000001	mg/L
Tl	203	19.000	0.000	0.000001	mg/L
Tl	205	78.001	0.000	0.000001	mg/L
Pb	208	874.027	0.002	0.000014	mg/L
Bi	209	350181.652	350181.652		mg/L



00784

Sample Information

Sample ID: 1000579-BS1
Autosampler Position: 36
Sample Date/Time: Monday, January 25, 2010 12:32:29
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1000579-BS1.038
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	241020.349	241020.349				mg/L
	Be	9	8836.772	0.037	0.034713	0.000	0.539	mg/L
	V	51	636461.750	1.479	0.036902	0.000	0.539	mg/L
	Cr	52	564113.700	1.280	0.037192	0.001	1.639	mg/L
	Cr	53	69229.409	0.152	0.036837	0.001	1.378	mg/L
	Co	59	658726.676	1.544	0.037380	0.000	0.446	mg/L
	Cu	63	334205.314	0.783	0.037068	0.000	1.194	mg/L
	Cu	65	162690.558	0.381	0.036827	0.000	0.879	mg/L
	Zn	66	97357.109	0.227	0.035211	0.000	0.815	mg/L
	Zn	68	82534.247	0.189	0.036607	0.000	1.010	mg/L
>	Ge	72	426620.482	426620.482				mg/L
	As	75	141660.362	0.329	0.037364	0.000	0.264	mg/L
	Se	77	11011.715	0.025	0.035452	0.001	1.640	mg/L
	Se	82	14655.461	0.034	0.035457	0.001	2.847	mg/L
>	Rh	103	306618.018	306618.018				mg/L
	Ag	107	665744.118	2.171	0.038543	0.001	2.405	mg/L
	Cd	111	152605.543	0.498	0.037242	0.001	1.351	mg/L
	Cd	114	353051.198	1.151	0.037827	0.000	0.595	mg/L
	Tl	203	491287.708	1.337	0.038479	0.001	1.607	mg/L
	Tl	205	1194003.753	3.248	0.038730	0.001	1.595	mg/L
	Pb	208	1619331.481	4.405	0.038289	0.001	1.437	mg/L
>	Bi	209	367592.690	367592.690				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.287
	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	96.805
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	106.049
	Ag	106.905	

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	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

101.656

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	246161.230	246161.230		mg/L
Be	9	8984.931	0.036	0.034555	mg/L
V	51	640372.075	1.484	0.037026	mg/L
Cr	52	567875.929	1.285	0.037339	mg/L
Cr	53	69547.700	0.152	0.036906	mg/L
Co	59	662724.842	1.549	0.037503	mg/L
Cu	63	339354.117	0.793	0.037536	mg/L
Cu	65	164507.522	0.384	0.037136	mg/L
Zn	66	98160.722	0.229	0.035405	mg/L
Zn	68	82450.700	0.188	0.036466	mg/L
Ge	72	427808.564	427808.564		mg/L
As	75	142057.586	0.328	0.037365	mg/L
Se	77	10901.234	0.025	0.034985	mg/L
Se	82	14282.918	0.033	0.034408	mg/L
Rh	103	303175.369	303175.369		mg/L
Ag	107	676546.070	2.231	0.039606	mg/L
Cd	111	152485.044	0.503	0.037629	mg/L
Cd	114	350068.239	1.155	0.037930	mg/L
Tl	203	493013.524	1.327	0.038207	mg/L
Tl	205	1184647.551	3.189	0.038023	mg/L
Pb	208	1609891.738	4.333	0.037687	mg/L
Bi	209	371450.689	371450.689		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	236701.928	236701.928		mg/L
Be	9	8730.658	0.037	0.034919	mg/L
V	51	633803.789	1.483	0.037007	mg/L
Cr	52	567905.870	1.297	0.037715	mg/L
Cr	53	69578.959	0.154	0.037306	mg/L
Co	59	650893.592	1.536	0.037190	mg/L
Cu	63	328224.251	0.774	0.036656	mg/L
Cu	65	160088.852	0.377	0.036490	mg/L
Zn	66	95786.308	0.225	0.034882	mg/L
Zn	68	81359.038	0.187	0.036328	mg/L
Ge	72	423703.569	423703.569		mg/L
As	75	141060.299	0.330	0.037463	mg/L
Se	77	11132.542	0.026	0.036103	mg/L
Se	82	14952.405	0.035	0.036427	mg/L
Rh	103	312624.130	312624.130		mg/L
Ag	107	671119.471	2.147	0.038102	mg/L
Cd	111	153243.229	0.490	0.036673	mg/L
Cd	114	357533.137	1.144	0.037569	mg/L
Tl	203	491356.830	1.361	0.038187	mg/L
Tl	205	1185715.678	3.285	0.039165	mg/L
Pb	208	1607639.387	4.453	0.038709	mg/L
Bi	209	360943.655	360943.655		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	240197.889	240197.889		mg/L
Be	9	8794.726	0.037	0.034663	mg/L
V	51	635109.387	1.469	0.036673	mg/L
Cr	52	556559.301	1.258	0.036523	mg/L
Cr	53	68561.569	0.150	0.036298	mg/L
Co	59	662561.595	1.547	0.037446	mg/L
Cu	63	335037.574	0.781	0.037011	mg/L
Cu	65	163465.301	0.381	0.036854	mg/L
Zn	66	98124.297	0.228	0.035347	mg/L
Zn	68	83793.002	0.191	0.037026	mg/L
Ge	72	428349.312	428349.312		mg/L
As	75	141863.200	0.328	0.037266	mg/L
Se	77	11001.367	0.025	0.035269	mg/L
Se	82	14751.060	0.034	0.035541	mg/L
Rh	103	304054.555	304054.555		mg/L
Ag	107	649566.812	2.138	0.037918	mg/L
Cd	111	152088.355	0.500	0.037423	mg/L
Cd	114	351554.218	1.156	0.037982	mg/L
Tl	203	489492.770	1.321	0.038043	mg/L
Tl	205	1211848.030	3.271	0.039002	mg/L
Pb	208	1640483.320	4.428	0.038493	mg/L
Bi	209	370383.728	370383.728		mg/L

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Sample Information

Sample ID: 0A25028-CCV
Autosampler Position: 2
Sample Date/Time: Monday, January 25, 2010 12:35:54
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCV.039
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	232253.917	232253.917				mg/L
	Be	9	8636.562	0.037	0.035206	0.000	0.656	mg/L
	V	51	621278.511	1.519	0.037920	0.000	1.218	mg/L
	Cr	52	560295.680	1.340	0.038937	0.000	0.285	mg/L
	Cr	53	69318.902	0.161	0.038955	0.000	0.815	mg/L
	Co	59	654559.159	1.615	0.039099	0.001	1.979	mg/L
	Cu	63	335560.281	0.827	0.039181	0.000	0.768	mg/L
	Cu	65	163041.456	0.402	0.038857	0.001	1.694	mg/L
	Zn	66	102190.107	0.251	0.038925	0.001	1.770	mg/L
	Zn	68	86315.579	0.208	0.040395	0.001	1.409	mg/L
>	Ge	72	405308.606	405308.606				mg/L
	As	75	149271.106	0.366	0.041473	0.000	0.671	mg/L
	Se	77	11734.707	0.028	0.039891	0.001	2.151	mg/L
	Se	82	15935.725	0.039	0.040591	0.001	2.401	mg/L
>	Rh	103	310452.207	310452.207				mg/L
	Ag	107	676490.393	2.179	0.038677	0.001	1.425	mg/L
	Cd	111	154324.614	0.497	0.037191	0.001	1.683	mg/L
	Cd	114	360066.919	1.160	0.038099	0.000	0.197	mg/L
	Tl	203	497251.588	1.382	0.039790	0.001	1.453	mg/L
	Tl	205	1189428.715	3.306	0.039419	0.000	1.234	mg/L
	Pb	208	1632397.466	4.537	0.039437	0.000	0.757	mg/L
>	Bi	209	359734.056	359734.056				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	96.639
	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	91.969
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	107.375
	Ag	106.905	

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Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.483

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0A25028-CCV	Be	9	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	239108.204	239108.204		mg/L
Be	9	8896.838	0.037	0.035228	mg/L
V	51	640999.114	1.541	0.038453	mg/L
Cr	52	571867.544	1.344	0.030055	mg/L
Cr	53	71146.124	0.162	0.039312	mg/L
Co	59	681084.403	1.802	0.038800	mg/L
Cu	63	338497.295	0.820	0.038834	mg/L
Cu	65	162907.532	0.395	0.038143	mg/L
Zn	66	102081.446	0.247	0.038199	mg/L
Zn	68	86467.139	0.205	0.039743	mg/L
Ge	72	412473.559	412473.559		mg/L
As	75	152887.067	0.368	0.041744	mg/L
Se	77	11655.261	0.028	0.038901	mg/L
Se	82	15772.818	0.038	0.039466	mg/L
Rh	103	308920.755	308920.755		mg/L
Ag	107	680203.608	2.202	0.039081	mg/L
Cd	111	154966.076	0.502	0.037530	mg/L
Cd	114	357524.974	1.157	0.038018	mg/L
Tl	203	488181.070	1.359	0.039123	mg/L
Tl	205	1175247.582	3.272	0.039008	mg/L
Pb	208	1638029.699	4.559	0.039633	mg/L
Bi	209	359197.569	359197.569		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	231346.592	231346.592		mg/L
Be	9	8544.484	0.037	0.034968	mg/L
V	51	613119.280	1.508	0.037648	mg/L
Cr	52	555541.640	1.336	0.038835	mg/L
Cr	53	68485.950	0.160	0.038705	mg/L
Co	59	665300.450	1.651	0.039977	mg/L
Cu	63	335181.181	0.831	0.039369	mg/L
Cu	65	162643.445	0.403	0.038987	mg/L
Zn	66	101811.167	0.252	0.039008	mg/L
Zn	68	86341.849	0.210	0.040649	mg/L
Ge	72	402895.540	402895.540		mg/L
As	75	148419.359	0.366	0.041486	mg/L
Se	77	11817.491	0.029	0.040417	mg/L
Se	82	16040.891	0.040	0.041093	mg/L
Rh	103	311616.412	311616.412		mg/L
Ag	107	668030.438	2.144	0.038050	mg/L
Cd	111	156496.946	0.502	0.037573	mg/L
Cd	114	362050.278	1.162	0.038166	mg/L
Tl	203	500300.202	1.395	0.040148	mg/L
Tl	205	1162268.028	3.298	0.039293	mg/L
Pb	208	1613668.620	4.497	0.039094	mg/L
Bi	209	358734.232	358734.232		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	226306.957	226306.957		mg/L
Be	9	8468.385	0.037	0.035428	mg/L
V	51	609717.128	1.509	0.037658	mg/L
Cr	52	553477.855	1.339	0.038920	mg/L
Cr	53	68324.632	0.160	0.038849	mg/L
Co	59	637312.623	1.581	0.038519	mg/L
Cu	63	333002.367	0.831	0.039341	mg/L
Cu	65	163573.392	0.408	0.039440	mg/L
Zn	66	102677.710	0.255	0.039570	mg/L
Zn	68	86137.751	0.210	0.040793	mg/L
Ge	72	400556.719	400556.719		mg/L
As	75	146508.893	0.363	0.041188	mg/L
Se	77	11731.369	0.029	0.040355	mg/L
Se	82	15993.465	0.040	0.041211	mg/L
Rh	103	310819.454	310819.454		mg/L
Ag	107	681237.138	2.192	0.038901	mg/L
Cd	111	151508.621	0.487	0.036489	mg/L
Cd	114	360625.503	1.160	0.038114	mg/L
Tl	203	503273.492	1.393	0.040101	mg/L
Tl	205	1210750.534	3.351	0.039958	mg/L
Pb	208	1645496.078	4.554	0.039585	mg/L
Bi	209	361270.368	361270.368		mg/L

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Sample Information

Sample ID: 0A25028-CCB

Autosampler Position: 1

Sample Date/Time: Monday, January 25, 2010 12:39:16

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Number of Replicates: 3

Sample File: C:\Elandata\Sample\0A25028.sam

Method File: c:\elandata\Method\Solid_6020A_201.mth

Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCB.040

Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun

Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	230548.711	230548.711				mg/L
	Be	9	6.333	0.000	0.000012	0.000	84.021	mg/L
	V	51	6042.213	0.002	0.000044	0.000	28.639	mg/L
	Cr	52	18859.183	0.004	0.000121	0.000	6.144	mg/L
	Cr	53	4238.788	0.000	0.000031	0.000	239.000	mg/L
	Co	59	110.002	0.000	0.000002	0.000	46.299	mg/L
	Cu	63	332.343	0.000	0.000006	0.000	75.304	mg/L
	Cu	65	196.338	0.000	0.000009	0.000	36.252	mg/L
	Zn	66	291.008	-0.000	-0.000020	0.000	21.229	mg/L
	Zn	68	1940.579	0.000	0.000036	0.000	76.623	mg/L
>	Ge	72	401300.253	401300.253				mg/L
	As	75	1241.315	0.000	0.000039	0.000	37.583	mg/L
	Se	77	305.342	0.000	0.000104	0.000	68.118	mg/L
	Se	82	24.002	0.000	0.000043	0.000	69.435	mg/L
>	Rh	103	299638.536	299638.536				mg/L
	Ag	107	343.678	0.001	0.000019	0.000	33.971	mg/L
	Cd	111	12.233	-0.000	-0.000000	0.000	234.597	mg/L
	Cd	114	46.710	0.000	0.000003	0.000	24.725	mg/L
	Tl	203	84.001	0.000	0.000004	0.000	29.758	mg/L
	Tl	205	174.337	0.000	0.000004	0.000	19.919	mg/L
	Pb	208	537.345	0.001	0.000006	0.000	36.013	mg/L
>	Bi	209	345494.438	345494.438				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.929
	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	91.060
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	103.635
	Ag	106.905	

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	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

95.545

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	236732.788	236732.788		mg/L
Be	9	5.000	0.000	0.000006	mg/L
V	51	6145.477	0.002	0.000041	mg/L
Cr	52	19481.894	0.004	0.000129	mg/L
Cr	53	4440.227	0.000	0.000085	mg/L
Co	59	123.002	0.000	0.000002	mg/L
Cu	63	384.013	0.000	0.000011	mg/L
Cu	65	213.005	0.000	0.000012	mg/L
Zn	66	288.008	-0.000	-0.000025	mg/L
Zn	68	1924.241	0.000	0.000005	mg/L
Ge	72	411739.557	411739.557		mg/L
As	75	1251.312	0.000	0.000033	mg/L
Se	77	293.008	0.000	0.000034	mg/L
Se	82	31.628	0.000	0.000061	mg/L
Rh	103	294710.609	294710.609		mg/L
Ag	107	452.017	0.001	0.000028	mg/L
Cd	111	9.992	-0.000	-0.000001	mg/L
Cd	114	54.251	0.000	0.000004	mg/L
Tl	203	97.002	0.000	0.000006	mg/L
Tl	205	196.004	0.000	0.000005	mg/L
Pb	208	618.015	0.001	0.000008	mg/L
Bi	209	344794.811	344794.811		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	228183.109	228183.109		mg/L
Be	9	9.000	0.000	0.000023	mg/L
V	51	5733.519	0.001	0.000033	mg/L
Cr	52	18401.478	0.004	0.000119	mg/L
Cr	53	4191.096	0.000	0.000063	mg/L
Co	59	110.002	0.000	0.000002	mg/L
Cu	63	308.009	0.000	0.000004	mg/L
Cu	65	195.004	0.000	0.000010	mg/L
Zn	66	292.008	-0.000	-0.000017	mg/L
Zn	68	1920.240	0.000	0.000048	mg/L
Ge	72	391974.651	391974.651		mg/L
As	75	1175.376	0.000	0.000029	mg/L
Se	77	298.008	0.000	0.000103	mg/L
Se	82	29.925	0.000	0.000060	mg/L
Rh	103	303199.214	303199.214		mg/L
Ag	107	341.010	0.001	0.000019	mg/L
Cd	111	12.881	-0.000	-0.000000	mg/L
Cd	114	44.302	0.000	0.000003	mg/L
Tl	203	89.001	0.000	0.000005	mg/L
Tl	205	179.004	0.000	0.000004	mg/L
Pb	208	542.012	0.001	0.000006	mg/L
Bi	209	347985.443	347985.443		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	228730.236	228730.236		mg/L
Be	9	5.000	0.000	0.000008	mg/L
V	51	6247.644	0.002	0.000058	mg/L
Cr	52	18714.177	0.004	0.000114	mg/L
Cr	53	4085.042	0.000	-0.000054	mg/L
Co	59	97.002	0.000	0.000001	mg/L
Cu	63	305.009	0.000	0.000003	mg/L
Cu	65	161.004	0.000	0.000005	mg/L
Zn	66	295.008	-0.000	-0.000018	mg/L
Zn	68	1977.254	0.000	0.000056	mg/L
Ge	72	400186.552	400186.552		mg/L
As	75	1297.256	0.000	0.000058	mg/L
Se	77	325.010	0.000	0.000176	mg/L
Se	82	10.453	0.000	0.000009	mg/L
Rh	103	301005.788	301005.788		mg/L
Ag	107	238.006	0.001	0.000013	mg/L
Cd	111	13.828	0.000	0.000000	mg/L
Cd	114	41.577	0.000	0.000003	mg/L
Tl	203	66.001	0.000	0.000003	mg/L
Tl	205	148.003	0.000	0.000003	mg/L
Pb	208	452.009	0.000	0.000004	mg/L
Bi	209	343703.060	343703.060		mg/L

Sample Information

Sample ID: 1001254-03
Autosampler Position: 37
Sample Date/Time: Monday, January 25, 2010 12:42:40
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001254-03.041
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	244876.724	244876.724				mg/L
	Be	9	183.004	0.001	0.000693	0.000	5.205	mg/L
	V	51	732096.892	1.593	0.039746	0.000	0.494	mg/L
	Cr	52	432010.446	0.905	0.026299	0.000	1.193	mg/L
	Cr	53	52090.155	0.104	0.025187	0.000	0.881	mg/L
	Co	59	217760.087	0.477	0.011560	0.000	1.050	mg/L
	Cu	63	195014.648	0.427	0.020226	0.000	2.083	mg/L
	Cu	65	95753.309	0.210	0.020266	0.001	3.153	mg/L
	Zn	66	181426.436	0.397	0.061504	0.002	3.648	mg/L
	Zn	68	157368.330	0.341	0.066025	0.001	2.248	mg/L
>	Ge	72	455901.210	455901.210				mg/L
	As	75	93611.952	0.203	0.022987	0.000	1.448	mg/L
	Se	77	637.697	0.001	0.001004	0.000	6.059	mg/L
	Se	82	101.395	0.000	0.000211	0.000	40.682	mg/L
>	Rh	103	306280.749	306280.749				mg/L
	Ag	107	2563.420	0.008	0.000148	0.000	0.731	mg/L
	Cd	111	3090.779	0.010	0.000752	0.000	6.542	mg/L
	Cd	114	3015.170	0.010	0.000322	0.000	1.265	mg/L
	Tl	203	2857.185	0.008	0.000218	0.000	4.034	mg/L
	Tl	205	6826.197	0.018	0.000216	0.000	2.827	mg/L
	Pb	208	1287165.972	3.445	0.029947	0.001	2.359	mg/L
>	Bi	209	373572.565	373572.565				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	101.891
	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	103.449
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	105.932
	Ag	106.905	

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	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

103.310

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	251328.123	251328.123		mg/L
Be	9	191.004	0.001	0.000705	mg/L
V	51	729756.870	1.584	0.039524	mg/L
Cr	52	428198.867	0.894	0.025997	mg/L
Cr	53	52417.864	0.104	0.025296	mg/L
Co	59	217939.217	0.477	0.011542	mg/L
Cu	63	191414.297	0.418	0.019806	mg/L
Cu	65	94354.093	0.206	0.019923	mg/L
Zn	66	175403.494	0.383	0.059317	mg/L
Zn	68	154230.668	0.333	0.064537	mg/L
Ge	72	456970.401	456970.401		mg/L
As	75	92593.443	0.200	0.022679	mg/L
Se	77	617.029	0.001	0.000935	mg/L
Se	82	143.094	0.000	0.000305	mg/L
Rh	103	303978.793	303978.793		mg/L
Ag	107	2523.407	0.008	0.000146	mg/L
Cd	111	3265.353	0.011	0.000600	mg/L
Cd	114	3031.202	0.010	0.000328	mg/L
Tl	203	2768.487	0.007	0.000209	mg/L
Tl	205	6742.784	0.018	0.000211	mg/L
Pb	208	1270503.021	3.365	0.029251	mg/L
Bi	209	377452.814	377452.814		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	241386.515	241386.515		mg/L
Be	9	170.003	0.001	0.000653	mg/L
V	51	731098.516	1.595	0.039817	mg/L
Cr	52	430462.136	0.904	0.026288	mg/L
Cr	53	52201.510	0.104	0.025333	mg/L
Co	59	219509.654	0.483	0.011689	mg/L
Cu	63	194398.172	0.427	0.020225	mg/L
Cu	65	93599.649	0.206	0.019872	mg/L
Zn	66	160540.521	0.396	0.061394	mg/L
Zn	68	156899.833	0.387	0.066034	mg/L
Ge	72	454476.384	454476.384		mg/L
As	75	94735.868	0.206	0.023340	mg/L
Se	77	651.032	0.001	0.001051	mg/L
Se	82	68.122	0.000	0.000136	mg/L
Rh	103	306761.112	306761.112		mg/L
Ag	107	2582.428	0.008	0.000148	mg/L
Cd	111	3102.317	0.010	0.000753	mg/L
Cd	114	3018.178	0.010	0.000321	mg/L
Tl	203	2848.515	0.008	0.000218	mg/L
Tl	205	6999.008	0.019	0.000223	mg/L
Pb	208	1278608.526	3.442	0.029924	mg/L
Bi	209	371323.190	371323.190		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	241915.534	241915.534		mg/L
Be	9	188.004	0.001	0.000722	mg/L
V	51	735434.289	1.599	0.039897	mg/L
Cr	52	437370.336	0.916	0.026619	mg/L
Cr	53	51651.090	0.103	0.024932	mg/L
Co	59	215831.390	0.473	0.011449	mg/L
Cu	63	199233.474	0.436	0.020648	mg/L
Cu	65	99306.186	0.217	0.021003	mg/L
Zn	66	188335.293	0.412	0.063800	mg/L
Zn	68	160974.488	0.348	0.067505	mg/L
Ge	72	456256.846	456256.846		mg/L
As	75	93506.545	0.202	0.022942	mg/L
Se	77	645.031	0.001	0.001025	mg/L
Se	82	92.969	0.000	0.000192	mg/L
Rh	103	308104.341	308104.341		mg/L
Ag	107	2584.427	0.008	0.000148	mg/L
Cd	111	2904.668	0.008	0.000702	mg/L
Cd	114	2996.131	0.010	0.000318	mg/L
Tl	203	2864.553	0.008	0.000226	mg/L
Tl	205	6736.789	0.018	0.000214	mg/L
Pb	208	1312386.370	3.528	0.030664	mg/L
Bi	209	371941.891	371941.891		mg/L

99792

Sample Information

Sample ID: 1001254-04
Autosampler Position: 38
Sample Date/Time: Monday, January 25, 2010 12:46:08
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001254-04.042
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	242971.273	242971.273				mg/L
	Be	9	495.686	0.002	0.001917	0.000	2.551	mg/L
	V	51	834415.841	1.800	0.044935	0.001	1.810	mg/L
	Cr	52	569617.598	1.195	0.034748	0.001	2.330	mg/L
	Cr	53	67282.542	0.136	0.032954	0.001	2.240	mg/L
	Co	59	209792.114	0.456	0.011038	0.000	1.851	mg/L
	Cu	63	775514.080	1.685	0.079805	0.000	0.166	mg/L
	Cu	65	381028.754	0.828	0.080031	0.001	0.800	mg/L
	Zn	66	662902.273	1.440	0.223073	0.004	1.965	mg/L
	Zn	68	559938.471	1.213	0.235089	0.002	0.819	mg/L
>	Ge	72	460053.872	460053.872				mg/L
	As	75	76922.960	0.164	0.018664	0.000	2.642	mg/L
	Se	77	910.059	0.001	0.001822	0.000	9.931	mg/L
	Se	82	524.979	0.001	0.001160	0.000	7.979	mg/L
>	Rh	103	294491.130	294491.130				mg/L
	Ag	107	2865.188	0.010	0.000172	0.000	1.148	mg/L
	Cd	111	3304.264	0.011	0.000836	0.000	1.739	mg/L
	Cd	114	3076.446	0.010	0.000341	0.000	3.680	mg/L
	Tl	203	5416.147	0.014	0.000416	0.000	0.299	mg/L
	Tl	205	13201.915	0.035	0.000421	0.000	0.774	mg/L
	Pb	208	2885585.519	7.753	0.067393	0.001	0.895	mg/L
>	Bi	209	372151.097	372151.097				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	101.098
	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	104.392
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.855
	Ag	106.905	

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	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

102.917

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	246399.110	246399.110		mg/L
Be	9	517.021	0.002	0.001973	mg/L
V	51	848908.496	1.838	0.045660	mg/L
Cr	52	581635.395	1.226	0.035628	mg/L
Cr	53	67641.083	0.137	0.033241	mg/L
Co	59	211462.456	0.461	0.011158	mg/L
Cu	63	771700.453	1.682	0.079652	mg/L
Cu	65	377044.755	0.822	0.079431	mg/L
Zn	66	657893.588	1.433	0.272022	mg/L
Zn	68	554429.078	1.204	0.233464	mg/L
Ge	72	458670.083	458670.083		mg/L
As	75	76977.696	0.165	0.018731	mg/L
Se	77	885.056	0.001	0.001753	mg/L
Se	82	488.222	0.001	0.001081	mg/L
Rh	103	290729.322	290729.322		mg/L
Ag	107	2814.503	0.010	0.000171	mg/L
Cd	111	3200.557	0.011	0.000820	mg/L
Cd	114	3151.234	0.011	0.000354	mg/L
Tl	203	5416.814	0.015	0.000418	mg/L
Tl	205	13229.625	0.036	0.000423	mg/L
Pb	208	2848878.627	7.679	0.068750	mg/L
Bi	209	370954.290	370954.290		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	241114.814	241114.814		mg/L
Be	9	487.019	0.002	0.001898	mg/L
V	51	814509.351	1.776	0.044330	mg/L
Cr	52	561028.608	1.190	0.034584	mg/L
Cr	53	67606.806	0.138	0.033502	mg/L
Co	59	209770.473	0.461	0.011154	mg/L
Cu	63	768062.234	1.687	0.079689	mg/L
Cu	65	380157.527	0.835	0.080706	mg/L
Zn	66	870089.309	1.471	0.227887	mg/L
Zn	68	558992.350	1.223	0.237217	mg/L
Ge	72	455156.019	455156.019		mg/L
As	75	77950.666	0.169	0.019120	mg/L
Se	77	967.066	0.001	0.002028	mg/L
Se	82	564.346	0.001	0.001282	mg/L
Rh	103	295810.581	295810.581		mg/L
Ag	107	2854.517	0.010	0.000170	mg/L
Cd	111	3369.843	0.011	0.000849	mg/L
Cd	114	2980.174	0.010	0.000329	mg/L
Tl	203	5438.629	0.014	0.000415	mg/L
Tl	205	13334.794	0.035	0.000423	mg/L
Pb	208	2908312.633	7.763	0.067481	mg/L
Bi	209	374591.737	374591.737		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	241399.895	241399.895		mg/L
Be	9	483.019	0.002	0.001881	mg/L
V	51	839829.676	1.788	0.044615	mg/L
Cr	52	565868.792	1.171	0.034034	mg/L
Cr	53	66599.738	0.132	0.032115	mg/L
Co	59	208143.414	0.446	0.010802	mg/L
Cu	63	786779.552	1.688	0.079874	mg/L
Cu	65	385883.981	0.827	0.079957	mg/L
Zn	66	660723.922	1.418	0.219310	mg/L
Zn	68	566383.984	1.210	0.234566	mg/L
Ge	72	466335.514	466335.514		mg/L
As	75	75840.516	0.160	0.018141	mg/L
Se	77	878.055	0.001	0.001887	mg/L
Se	82	522.369	0.001	0.001138	mg/L
Rh	103	296933.487	296933.487		mg/L
Ag	107	2926.543	0.010	0.000174	mg/L
Cd	111	3342.391	0.011	0.000839	mg/L
Cd	114	3097.931	0.010	0.000341	mg/L
Tl	203	5392.798	0.014	0.000416	mg/L
Tl	205	13041.327	0.035	0.000417	mg/L
Pb	208	2899565.299	7.817	0.067947	mg/L
Bi	209	370907.264	370907.264		mg/L

00794

Sample Information

Sample ID: 1001254-05
Autosampler Position: 39
Sample Date/Time: Monday, January 25, 2010 12:49:35
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001254-05.043
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	241278.574	241278.574				mg/L
	Be	9	180.670	0.001	0.000695	0.000	7.383	mg/L
	V	51	937848.839	2.076	0.051816	0.001	1.687	mg/L
	Cr	52	488168.327	1.045	0.030370	0.000	0.762	mg/L
	Cr	53	59021.968	0.121	0.029371	0.001	2.859	mg/L
	Co	59	292272.661	0.651	0.015762	0.000	0.785	mg/L
	Cu	63	511423.650	1.139	0.053935	0.000	0.248	mg/L
	Cu	65	250909.679	0.559	0.054008	0.001	1.243	mg/L
	Zn	66	230400.766	0.512	0.079375	0.000	0.507	mg/L
	Zn	68	196881.677	0.434	0.084149	0.000	0.380	mg/L
>	Ge	72	448820.100	448820.100				mg/L
	As	75	75586.680	0.166	0.018797	0.000	0.480	mg/L
	Se	77	766.376	0.001	0.001440	0.000	6.772	mg/L
	Se	82	163.331	0.000	0.000357	0.000	33.654	mg/L
>	Rh	103	286106.230	286106.230				mg/L
	Ag	107	1782.542	0.006	0.000110	0.000	2.676	mg/L
	Cd	111	2760.369	0.010	0.000718	0.000	2.955	mg/L
	Cd	114	2515.906	0.009	0.000287	0.000	0.680	mg/L
	Tl	203	2747.814	0.008	0.000226	0.000	2.538	mg/L
	Tl	205	6658.059	0.019	0.000228	0.000	2.762	mg/L
	Pb	208	2033060.000	5.879	0.051103	0.001	2.747	mg/L
>	Bi	209	345964.713	345964.713				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.394
	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	101.843
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.955
	Ag	106.905	

00795

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

95.675

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	248257.087	248257.087		mg/L
Be	9	186.004	0.001	0.000695	mg/L
V	51	960661.864	2.113	0.052726	mg/L
Cr	52	495403.203	1.053	0.030622	mg/L
Cr	53	60129.755	0.123	0.029750	mg/L
Co	59	293726.762	0.650	0.015733	mg/L
Cu	63	513846.453	1.136	0.053824	mg/L
Cu	65	249416.953	0.552	0.053321	mg/L
Zn	66	232921.560	0.515	0.079702	mg/L
Zn	68	196892.787	0.435	0.084351	mg/L
Ge	72	451877.596	451877.596		mg/L
As	75	75814.296	0.165	0.018725	mg/L
Se	77	736.040	0.001	0.001328	mg/L
Se	82	179.467	0.000	0.000392	mg/L
Rh	103	287083.089	287083.089		mg/L
Ag	107	1763.204	0.006	0.000108	mg/L
Cd	111	2818.519	0.010	0.000731	mg/L
Cd	114	2520.763	0.009	0.000287	mg/L
Tl	203	2826.508	0.008	0.000225	mg/L
Tl	205	6875.740	0.018	0.000221	mg/L
Pb	208	2039355.968	5.697	0.049522	mg/L
Bi	209	357911.977	357911.977		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	238965.186	238965.186		mg/L
Be	9	166.003	0.001	0.000843	mg/L
V	51	917457.141	2.043	0.050983	mg/L
Cr	52	482222.873	1.038	0.030168	mg/L
Cr	53	59753.056	0.123	0.029954	mg/L
Co	59	288606.388	0.647	0.015655	mg/L
Cu	63	508109.145	1.138	0.053898	mg/L
Cu	65	249614.746	0.559	0.054041	mg/L
Zn	66	229415.267	0.513	0.079497	mg/L
Zn	68	194889.501	0.432	0.083780	mg/L
Ge	72	446217.439	446217.439		mg/L
As	75	75546.696	0.167	0.018898	mg/L
Se	77	764.045	0.001	0.001509	mg/L
Se	82	205.392	0.000	0.000457	mg/L
Rh	103	289382.631	289382.631		mg/L
Ag	107	1774.207	0.006	0.000108	mg/L
Cd	111	2836.240	0.010	0.000730	mg/L
Cd	114	2583.277	0.009	0.000289	mg/L
Tl	203	2659.451	0.008	0.000221	mg/L
Tl	205	6667.733	0.019	0.000230	mg/L
Pb	208	2030735.608	5.934	0.051582	mg/L
Bi	209	342169.846	342169.846		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	236813.467	236813.467		mg/L
Be	9	190.004	0.001	0.000746	mg/L
V	51	935427.513	2.073	0.051737	mg/L
Cr	52	486879.104	1.043	0.030319	mg/L
Cr	53	57183.093	0.117	0.028408	mg/L
Co	59	294484.632	0.657	0.015898	mg/L
Cu	63	512315.351	1.142	0.054084	mg/L
Cu	65	253697.338	0.565	0.054662	mg/L
Zn	66	228865.450	0.510	0.078926	mg/L
Zn	68	197062.743	0.435	0.084314	mg/L
Ge	72	448365.264	448365.264		mg/L
As	75	75398.049	0.165	0.018769	mg/L
Se	77	779.044	0.001	0.001482	mg/L
Se	82	105.135	0.000	0.000224	mg/L
Rh	103	281852.971	281852.971		mg/L
Ag	107	1810.215	0.006	0.000113	mg/L
Cd	111	2626.349	0.009	0.000694	mg/L
Cd	114	2463.677	0.009	0.000285	mg/L
Tl	203	2757.484	0.008	0.000232	mg/L
Tl	205	6830.703	0.019	0.000232	mg/L
Pb	208	2029088.423	6.006	0.052205	mg/L
Bi	209	337812.317	337812.317		mg/L

00796

Sample Information

Sample ID: 1001254-06
Autosampler Position: 40
Sample Date/Time: Monday, January 25, 2010 12:52:59
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001254-06.044
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	255127.845	255127.845				mg/L
	Be	9	111.669	0.000	0.000400	0.000	9.146	mg/L
	V	51	382382.509	0.851	0.021240	0.000	1.187	mg/L
	Cr	52	254547.033	0.533	0.015481	0.000	1.298	mg/L
	Cr	53	31684.779	0.061	0.014845	0.000	2.284	mg/L
	Co	59	115180.168	0.260	0.006300	0.000	2.660	mg/L
	Cu	63	135913.408	0.307	0.014518	0.000	1.482	mg/L
	Cu	65	66277.512	0.149	0.014446	0.000	1.169	mg/L
	Zn	66	122878.103	0.277	0.042893	0.001	2.815	mg/L
	Zn	68	107322.778	0.238	0.046139	0.001	1.927	mg/L
>	Ge	72	442408.041	442408.041				mg/L
	As	75	29948.955	0.065	0.007369	0.000	1.269	mg/L
	Se	77	492.686	0.000	0.000602	0.000	17.784	mg/L
	Se	82	86.360	0.000	0.000184	0.000	30.855	mg/L
>	Rh	103	298780.579	298780.579				mg/L
	Ag	107	831.383	0.003	0.000048	0.000	4.636	mg/L
	Cd	111	1206.943	0.004	0.000299	0.000	6.602	mg/L
	Cd	114	997.371	0.003	0.000108	0.000	2.653	mg/L
	Tl	203	1408.800	0.004	0.000111	0.000	3.612	mg/L
	Tl	205	3446.414	0.010	0.000114	0.000	2.241	mg/L
	Pb	208	916063.378	2.574	0.022378	0.000	1.899	mg/L
>	Bi	209	355749.632	355749.632				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	106.157
	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	100.388
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	103.338
	Ag	106.905	

00797

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.381

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	262108.821	262108.821		mg/L
Be	9	126.002	0.000	0.000441	mg/L
V	51	377201.806	0.846	0.021105	mg/L
Cr	52	255365.152	0.539	0.015658	mg/L
Cr	53	32158.251	0.063	0.015234	mg/L
Co	59	117536.249	0.267	0.006475	mg/L
Cu	63	136018.424	0.309	0.014636	mg/L
Cu	65	66375.959	0.151	0.014574	mg/L
Zn	66	125730.638	0.285	0.044212	mg/L
Zn	68	108525.169	0.242	0.047013	mg/L
Ge	72	439144.081	439144.081		mg/L
As	75	29462.228	0.064	0.007301	mg/L
Se	77	509.021	0.000	0.000665	mg/L
Se	82	105.011	0.000	0.000229	mg/L
Rh	103	296766.699	296768.699		mg/L
Ag	107	853.052	0.003	0.000050	mg/L
Cd	111	1255.951	0.004	0.000313	mg/L
Cd	114	980.551	0.003	0.000107	mg/L
Tl	203	1370.128	0.004	0.000107	mg/L
Tl	205	3505.772	0.010	0.000115	mg/L
Pb	208	912598.681	2.540	0.022060	mg/L
Bi	209	359150.608	359150.608		mg/L

Repeat 2

Analyte	Mass	Meas Intensity	Net Intensity	Concentration	Report Unit
Li	6	250279.244	250279.244		mg/L
Be	9	102.002	0.000	0.000372	mg/L
V	51	384515.578	0.845	0.021085	mg/L
Cr	52	254472.449	0.525	0.015262	mg/L
Cr	53	31668.367	0.060	0.014613	mg/L
Co	59	113758.296	0.254	0.006142	mg/L
Cu	63	135325.268	0.301	0.014270	mg/L
Cu	65	66247.945	0.147	0.014254	mg/L
Zn	66	121435.602	0.270	0.041841	mg/L
Zn	68	106828.906	0.233	0.045238	mg/L
Ge	72	448094.252	448094.252		mg/L
As	75	30186.054	0.065	0.007332	mg/L
Se	77	460.017	0.000	0.000478	mg/L
Se	82	60.036	0.000	0.000120	mg/L
Rh	103	299774.565	299774.565		mg/L
Ag	107	850.052	0.003	0.000049	mg/L
Cd	111	1120.942	0.004	0.000277	mg/L
Cd	114	1030.304	0.003	0.000111	mg/L
Tl	203	1454.141	0.004	0.000115	mg/L
Tl	205	3355.709	0.009	0.000111	mg/L
Pb	208	907040.320	2.553	0.022189	mg/L
Bi	209	355206.816	355206.816		mg/L

Repeat 3

Analyte	Mass	Meas Intensity	Net Intensity	Concentration	Report Unit
Li	6	252995.470	252995.470		mg/L
Be	9	107.002	0.000	0.000386	mg/L
V	51	385430.141	0.863	0.021531	mg/L
Cr	52	253803.499	0.534	0.015522	mg/L
Cr	53	31229.720	0.061	0.014688	mg/L
Co	59	114247.959	0.259	0.006282	mg/L
Cu	63	136386.533	0.309	0.014649	mg/L
Cu	65	66708.634	0.150	0.014509	mg/L
Zn	66	121468.070	0.275	0.042676	mg/L
Zn	68	106814.259	0.238	0.046168	mg/L
Ge	72	439985.790	439985.790		mg/L
As	75	30198.584	0.066	0.007476	mg/L
Se	77	509.021	0.000	0.000682	mg/L
Se	82	94.033	0.000	0.000202	mg/L
Rh	103	299800.472	299800.472		mg/L
Ag	107	791.045	0.003	0.000046	mg/L
Cd	111	1243.935	0.004	0.000307	mg/L
Cd	114	981.259	0.003	0.000106	mg/L
Tl	203	1402.132	0.004	0.000112	mg/L
Tl	205	3477.760	0.010	0.000116	mg/L
Pb	208	928551.132	2.630	0.022865	mg/L
Bi	209	352891.472	352891.472		mg/L

00798

Sample Information

Sample ID: 1001254-07
Autosampler Position: 41
Sample Date/Time: Monday, January 25, 2010 12:56:20
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001254-07.045
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	274001.020	274001.020				mg/L
	Be	9	290.008	0.001	0.000988	0.000	0.067	mg/L
	V	51	672957.844	1.451	0.036214	0.001	1.879	mg/L
	Cr	52	469121.383	0.978	0.028426	0.000	0.870	mg/L
	Cr	53	53464.852	0.106	0.025694	0.000	0.993	mg/L
	Co	59	52752.311	0.115	0.002775	0.000	1.942	mg/L
	Cu	63	751572.853	1.635	0.077440	0.001	1.723	mg/L
	Cu	65	357137.130	0.777	0.075106	0.001	1.971	mg/L
	Zn	66	508360.440	1.105	0.171212	0.001	0.668	mg/L
	Zn	68	420380.119	0.910	0.176464	0.002	1.293	mg/L
>	Ge	72	459549.826	459549.826				mg/L
	As	75	18050.187	0.037	0.004146	0.000	1.817	mg/L
	Se	77	665.033	0.001	0.001070	0.000	13.740	mg/L
	Se	82	343.018	0.001	0.000751	0.000	19.579	mg/L
>	Rh	103	297715.562	297715.562				mg/L
	Ag	107	1962.918	0.007	0.000116	0.000	3.407	mg/L
	Cd	111	2905.591	0.010	0.000727	0.000	6.336	mg/L
	Cd	114	1715.212	0.006	0.000187	0.000	1.554	mg/L
	Tl	203	2383.032	0.006	0.000184	0.000	6.049	mg/L
	Tl	205	5529.556	0.015	0.000177	0.000	2.207	mg/L
	Pb	208	797611.053	2.165	0.018819	0.000	1.752	mg/L
>	Bi	209	368299.930	368299.930				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	114.010
	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	104.277
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.970
	Ag	106.905	

00799

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	101.852

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	276864.817	276864.817		mg/L
Be	9	293.008	0.001	0.000988	mg/L
V	51	663034.010	1.456	0.036332	mg/L
Cr	52	459810.432	0.978	0.028368	mg/L
Cr	53	52563.780	0.108	0.025722	mg/L
Co	59	52528.558	0.116	0.002813	mg/L
Cu	63	751801.858	1.685	0.078859	mg/L
Cu	65	356127.914	0.789	0.076243	mg/L
Zn	66	502847.915	1.113	0.172427	mg/L
Zn	68	411633.505	0.907	0.175931	mg/L
Ge	72	451333.248	451333.248		mg/L
As	75	18047.840	0.037	0.004225	mg/L
Se	77	625.030	0.001	0.000984	mg/L
Se	82	308.112	0.001	0.000687	mg/L
Rh	103	298482.368	298482.368		mg/L
Ag	107	1961.250	0.007	0.000116	mg/L
Cd	111	3011.531	0.010	0.000752	mg/L
Cd	114	1713.016	0.006	0.000187	mg/L
Tl	203	2248.325	0.008	0.000171	mg/L
Tl	205	5459.843	0.015	0.000173	mg/L
Pb	208	789968.468	2.121	0.018439	mg/L
Bi	209	372249.168	372249.168		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	266606.210	266606.210		mg/L
Be	9	287.008	0.001	0.000987	mg/L
V	51	661046.240	1.422	0.035482	mg/L
Cr	52	466852.282	0.971	0.028213	mg/L
Cr	53	54052.271	0.107	0.025934	mg/L
Co	59	53338.688	0.116	0.002798	mg/L
Cu	63	751690.446	1.631	0.077250	mg/L
Cu	65	360631.587	0.782	0.075643	mg/L
Zn	66	509155.193	1.104	0.171053	mg/L
Zn	68	427352.005	0.923	0.178965	mg/L
Ge	72	460662.625	460662.625		mg/L
As	75	17813.408	0.036	0.004076	mg/L
Se	77	639.031	0.001	0.000987	mg/L
Se	82	297.079	0.001	0.000648	mg/L
Rh	103	299681.298	299681.298		mg/L
Ag	107	2045.271	0.007	0.000120	mg/L
Cd	111	3036.770	0.010	0.000755	mg/L
Cd	114	1755.628	0.006	0.000191	mg/L
Tl	203	2463.389	0.007	0.000192	mg/L
Tl	205	5579.923	0.015	0.000181	mg/L
Pb	208	796223.117	2.185	0.018983	mg/L
Bi	209	364266.695	364266.695		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	278532.033	278532.033		mg/L
Be	9	295.008	0.001	0.000989	mg/L
V	51	694793.281	1.476	0.036827	mg/L
Cr	52	480701.435	0.987	0.028697	mg/L
Cr	53	53778.506	0.105	0.025426	mg/L
Co	59	52389.687	0.112	0.002713	mg/L
Cu	63	751228.255	1.609	0.076211	mg/L
Cu	65	354651.911	0.760	0.073432	mg/L
Zn	66	513078.212	1.099	0.170157	mg/L
Zn	68	422154.848	0.900	0.174497	mg/L
Ge	72	466653.603	466653.603		mg/L
As	75	18289.314	0.038	0.004135	mg/L
Se	77	731.039	0.001	0.001240	mg/L
Se	82	423.864	0.001	0.000920	mg/L
Rh	103	294982.999	294982.999		mg/L
Ag	107	1882.231	0.006	0.000112	mg/L
Cd	111	2668.472	0.009	0.000674	mg/L
Cd	114	1676.991	0.006	0.000185	mg/L
Tl	203	2439.381	0.007	0.000188	mg/L
Tl	205	5548.902	0.015	0.000178	mg/L
Pb	208	806643.575	2.189	0.019026	mg/L
Bi	209	368383.927	368383.927		mg/L

28899

Sample Information

Sample ID: 1001254-08
Autosampler Position: 42
Sample Date/Time: Monday, January 25, 2010 12:59:41
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001254-08.046
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	282851.987	282851.987				mg/L
	Be	9	224.339	0.001	0.000736	0.000	7.134	mg/L
	V	51	546631.818	1.177	0.029368	0.001	2.358	mg/L
	Cr	52	426161.738	0.885	0.025719	0.000	1.186	mg/L
	Cr	53	48623.600	0.095	0.023144	0.000	0.823	mg/L
	Co	59	51394.515	0.112	0.002703	0.000	0.764	mg/L
	Cu	63	785717.219	1.710	0.080972	0.001	1.500	mg/L
	Cu	65	380618.453	0.828	0.080056	0.001	1.392	mg/L
	Zn	66	526904.463	1.146	0.177471	0.002	0.850	mg/L
	Zn	68	422097.306	0.914	0.177206	0.002	0.916	mg/L
>	Ge	72	459454.650	459454.650				mg/L
	As	75	14081.556	0.028	0.003165	0.000	3.038	mg/L
	Se	77	657.699	0.001	0.001050	0.000	11.694	mg/L
	Se	82	350.595	0.001	0.000769	0.000	15.429	mg/L
>	Rh	103	288249.136	288249.136				mg/L
	Ag	107	1514.153	0.005	0.000092	0.000	3.770	mg/L
	Cd	111	2193.760	0.008	0.000566	0.000	3.308	mg/L
	Cd	114	1631.635	0.006	0.000184	0.000	0.766	mg/L
	Tl	203	1642.512	0.005	0.000131	0.000	4.594	mg/L
	Tl	205	3888.613	0.011	0.000129	0.000	4.244	mg/L
	Pb	208	555161.154	1.565	0.013608	0.000	3.229	mg/L
>	Bi	209	354533.214	354533.214				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	117.692
	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	104.256
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.696
	Ag	106.905	

00881

Cd	110.904		
Cd	113.904		
Tl	202.972		
Tl	204.975		
Pb	207.977		
Bi	208.980	98.044	

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	286843.029	286843.029		mg/L
Be	9	235.008	0.001	0.000761	mg/L
V	51	551756.756	1.208	0.030161	mg/L
Cr	52	424279.811	0.897	0.026084	mg/L
Cr	53	48204.499	0.098	0.023364	mg/L
Co	59	50956.829	0.113	0.002727	mg/L
Cu	63	785406.651	1.738	0.082338	mg/L
Cu	65	376182.626	0.837	0.080919	mg/L
Zn	66	512776.459	1.135	0.175731	mg/L
Zn	68	411217.708	0.906	0.175648	mg/L
Ge	72	451598.033	451598.033		mg/L
As	75	13708.974	0.028	0.003133	mg/L
Se	77	656.032	0.001	0.001080	mg/L
Se	82	302.602	0.001	0.000674	mg/L
Rh	103	292091.757	292091.757		mg/L
Ag	107	1568.163	0.005	0.000094	mg/L
Cd	111	2182.953	0.007	0.000556	mg/L
Cd	114	1663.112	0.006	0.000185	mg/L
Tl	203	1585.167	0.004	0.000124	mg/L
Tl	205	3755.884	0.010	0.000123	mg/L
Pb	208	542188.195	1.507	0.013101	mg/L
Bi	209	359524.215	359524.215		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	278502.055	278502.055		mg/L
Be	9	203.005	0.001	0.000676	mg/L
V	51	543307.661	1.157	0.028882	mg/L
Cr	52	426819.735	0.877	0.025485	mg/L
Cr	53	48935.750	0.095	0.023046	mg/L
Co	59	51828.941	0.111	0.002688	mg/L
Cu	63	789906.870	1.701	0.080569	mg/L
Cu	65	378507.909	0.815	0.078798	mg/L
Zn	66	534638.422	1.151	0.176271	mg/L
Zn	68	430401.101	0.923	0.178588	mg/L
Ge	72	464148.313	464148.313		mg/L
As	75	14868.737	0.028	0.003274	mg/L
Se	77	699.038	0.001	0.001155	mg/L
Se	82	413.496	0.001	0.000902	mg/L
Rh	103	281075.350	281075.350		mg/L
Ag	107	1412.134	0.005	0.000088	mg/L
Cd	111	2221.445	0.008	0.000588	mg/L
Cd	114	1595.387	0.006	0.000185	mg/L
Tl	203	1655.181	0.005	0.000132	mg/L
Tl	205	4001.000	0.011	0.000133	mg/L
Pb	208	563867.785	1.581	0.013833	mg/L
Bi	209	354124.158	354124.158		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	283210.678	283210.678		mg/L
Be	9	235.008	0.001	0.000771	mg/L
V	51	544831.033	1.164	0.029061	mg/L
Cr	52	427385.668	0.881	0.025609	mg/L
Cr	53	48730.551	0.095	0.023023	mg/L
Co	59	51589.774	0.111	0.002698	mg/L
Cu	63	781838.337	1.689	0.080010	mg/L
Cu	65	385164.824	0.832	0.080450	mg/L
Zn	66	533298.509	1.152	0.178412	mg/L
Zn	68	424673.108	0.913	0.177082	mg/L
Ge	72	462617.605	462617.605		mg/L
As	75	13868.955	0.027	0.003090	mg/L
Se	77	618.029	0.001	0.000915	mg/L
Se	82	335.686	0.001	0.000731	mg/L
Rh	103	291580.301	291580.301		mg/L
Ag	107	1562.162	0.005	0.000094	mg/L
Cd	111	2176.884	0.007	0.000555	mg/L
Cd	114	1636.407	0.006	0.000183	mg/L
Tl	203	1687.188	0.005	0.000136	mg/L
Tl	205	3908.956	0.011	0.000131	mg/L
Pb	208	559429.503	1.598	0.013888	mg/L
Bi	209	349951.268	349951.268		mg/L

00802

Sample Information

Sample ID: 1001254-09
Autosampler Position: 43
Sample Date/Time: Monday, January 25, 2010 13:03:02
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001254-09.047
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	274340.599	274340.599				mg/L
	Be	9	91.001	0.000	0.000301	0.000	11.549	mg/L
	V	51	461620.056	0.975	0.024346	0.000	1.589	mg/L
	Cr	52	295450.659	0.590	0.017151	0.001	2.958	mg/L
	Cr	53	35674.896	0.066	0.016006	0.000	0.546	mg/L
	Co	59	47397.567	0.101	0.002453	0.000	0.635	mg/L
	Cu	63	153830.433	0.329	0.015573	0.000	1.369	mg/L
	Cu	65	74991.038	0.160	0.015490	0.000	1.446	mg/L
	Zn	66	81510.576	0.174	0.026909	0.000	1.791	mg/L
	Zn	68	85413.195	0.178	0.034569	0.001	2.335	mg/L
>	Ge	72	466873.938	466873.938				mg/L
	As	75	14675.972	0.029	0.003255	0.000	1.011	mg/L
	Se	77	464.351	0.000	0.000433	0.000	18.397	mg/L
	Se	82	56.776	0.000	0.000107	0.000	12.243	mg/L
>	Rh	103	287382.262	287382.262				mg/L
	Ag	107	694.369	0.002	0.000042	0.000	5.974	mg/L
	Cd	111	756.154	0.003	0.000194	0.000	3.908	mg/L
	Cd	114	371.636	0.001	0.000041	0.000	3.498	mg/L
	Tl	203	1346.789	0.004	0.000107	0.000	3.925	mg/L
	Tl	205	3218.988	0.009	0.000107	0.000	4.501	mg/L
	Pb	208	828576.587	2.343	0.020369	0.001	2.681	mg/L
>	Bi	209	353655.447	353655.447				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	114.151
	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	105.939
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.396
	Ag	106.905	

00603

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	97.802

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	292310.223	292310.223		mg/L
Be	9	85.001	0.000	0.000261	mg/L
V	51	480662.905	0.965	0.024083	mg/L
Cr	52	290283.162	0.574	0.016673	mg/L
Cr	53	36174.707	0.066	0.016105	mg/L
Co	59	48110.980	0.102	0.002469	mg/L
Cu	63	152832.242	0.324	0.015338	mg/L
Cu	65	75047.157	0.159	0.015368	mg/L
Zn	66	81048.028	0.171	0.026524	mg/L
Zn	68	85935.676	0.178	0.034480	mg/L
Ge	72	470910.365	470910.365		mg/L
As	75	14833.235	0.029	0.003262	mg/L
Se	77	482.019	0.000	0.000474	mg/L
Se	82	55.926	0.000	0.000104	mg/L
Rh	103	285343.841	285343.841		mg/L
Ag	107	643.031	0.002	0.000039	mg/L
Cd	111	727.169	0.003	0.000187	mg/L
Cd	114	383.078	0.001	0.000042	mg/L
Tl	203	1331.120	0.004	0.000104	mg/L
Tl	205	3335.701	0.009	0.000108	mg/L
Pb	208	822771.002	2.281	0.019829	mg/L
Bi	209	360548.067	360548.067		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	266415.244	266415.244		mg/L
Be	9	95.001	0.000	0.000323	mg/L
V	51	468979.780	0.893	0.024790	mg/L
Cr	52	303399.304	0.608	0.017683	mg/L
Cr	53	35473.697	0.066	0.015939	mg/L
Co	59	47294.297	0.101	0.002453	mg/L
Cu	63	155301.288	0.333	0.015754	mg/L
Cu	65	76084.510	0.163	0.015748	mg/L
Zn	66	82972.849	0.177	0.027450	mg/L
Zn	68	87273.487	0.183	0.035416	mg/L
Ge	72	465918.106	465918.106		mg/L
As	75	14762.986	0.029	0.003284	mg/L
Se	77	480.019	0.000	0.000484	mg/L
Se	82	51.536	0.000	0.000098	mg/L
Rh	103	288370.424	288370.424		mg/L
Ag	107	724.039	0.002	0.000044	mg/L
Cd	111	791.200	0.003	0.000202	mg/L
Cd	114	363.675	0.001	0.000040	mg/L
Tl	203	1436.138	0.004	0.000112	mg/L
Tl	205	3129.619	0.008	0.000101	mg/L
Pb	208	847303.853	2.342	0.020359	mg/L
Bi	209	361639.893	361639.893		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	264296.330	264296.330		mg/L
Be	9	93.001	0.000	0.000319	mg/L
V	51	455217.482	0.968	0.024164	mg/L
Cr	52	292669.513	0.588	0.017097	mg/L
Cr	53	35378.283	0.066	0.015973	mg/L
Co	59	46787.443	0.101	0.002437	mg/L
Cu	63	153357.770	0.330	0.015627	mg/L
Cu	65	73841.446	0.159	0.015353	mg/L
Zn	66	80510.851	0.173	0.026754	mg/L
Zn	68	83030.419	0.174	0.033809	mg/L
Ge	72	463793.342	463793.342		mg/L
As	75	14431.694	0.028	0.003219	mg/L
Se	77	431.015	0.000	0.000341	mg/L
Se	82	62.864	0.000	0.000122	mg/L
Rh	103	288432.520	288432.520		mg/L
Ag	107	716.038	0.002	0.000043	mg/L
Cd	111	750.094	0.003	0.000191	mg/L
Cd	114	368.155	0.001	0.000040	mg/L
Tl	203	1273.110	0.004	0.000106	mg/L
Tl	205	3191.843	0.009	0.000110	mg/L
Pb	208	815654.905	2.407	0.020921	mg/L
Bi	209	338778.382	338778.382		mg/L

9986L

Sample Information

Sample ID: 1000579-MS1
Autosampler Position: 44
Sample Date/Time: Monday, January 25, 2010 13:06:24
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1000579-MS1.048
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	259075.289	259075.289				mg/L
	Be	9	11283.083	0.044	0.041239	0.000	0.866	mg/L
	V	51	1198857.888	2.693	0.067208	0.000	0.348	mg/L
	Cr	52	927547.053	2.051	0.059615	0.001	1.212	mg/L
	Cr	53	113002.867	0.245	0.059349	0.001	1.073	mg/L
	Co	59	792292.897	1.788	0.043298	0.001	1.537	mg/L
	Cu	63	516311.777	1.165	0.055166	0.001	1.591	mg/L
	Cu	65	248684.668	0.561	0.054230	0.001	1.879	mg/L
	Zn	66	195329.825	0.440	0.068158	0.001	1.188	mg/L
	Zn	68	173437.396	0.387	0.075005	0.001	0.916	mg/L
>	Ge	72	443007.078	443007.078				mg/L
	As	75	155676.695	0.349	0.039560	0.000	0.174	mg/L
	Se	77	11061.115	0.024	0.034260	0.001	1.970	mg/L
	Se	82	14736.887	0.033	0.034331	0.000	0.892	mg/L
>	Rh	103	280864.236	280864.236				mg/L
	Ag	107	607487.105	2.163	0.038390	0.000	0.228	mg/L
	Cd	111	144989.055	0.516	0.038622	0.000	0.664	mg/L
	Cd	114	329121.780	1.172	0.038493	0.000	0.678	mg/L
	Tl	203	466366.228	1.360	0.039160	0.001	3.703	mg/L
	Tl	205	1113671.366	3.248	0.038726	0.001	3.044	mg/L
	Pb	208	2281929.340	6.654	0.057841	0.002	2.665	mg/L
>	Bi	209	343052.756	343052.756				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	107.799
	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	100.524
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	97.142
	Ag	106.905	

09885

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	94.870

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	268438 668	268438 668		mg/L
Be	9	11599 183	0 043	0 040910	mg/L
V	51	1196787 845	2 690	0 067130	mg/L
Cr	52	925015 430	2 046	0 059484	mg/L
Cr	53	111984 522	0 247	0 058827	mg/L
Co	59	785675 293	1.774	0 042981	mg/L
Cu	63	517622 782	1.168	0 055338	mg/L
Cu	65	251693 922	0 568	0 054918	mg/L
Zn	66	197688 307	0 446	0 069022	mg/L
Zn	68	171816 890	0 383	0 074339	mg/L
Ge	72	442752 744	442752 744		mg/L
As	75	155738 674	0 349	0 039599	mg/L
Se	77	11142 556	0 024	0 034540	mg/L
Se	82	14578 476	0 033	0 033982	mg/L
Rh	103	278968 271	278968 271		mg/L
Ag	107	604942 073	2 168	0 038489	mg/L
Cd	111	143298 848	0 514	0 038431	mg/L
Cd	114	325603 281	1 167	0 038341	mg/L
In	203	466946 339	1 361	0 039170	mg/L
Tl	205	1119442 208	3 262	0 038893	mg/L
Pb	208	2260505 153	6 588	0 057253	mg/L
Bi	209	343159 321	343159 321		mg/L

Repeat 2

Analyte	Mass	Meas Intensity	Net Intensity	Concentration	Report Unit
Li	6	254100 348	254100 348		mg/L
Be	9	11054 438	0 043	0 041189	mg/L
V	51	1196189.460	2 685	0 067023	mg/L
Cr	52	918140 819	2.029	0 058987	mg/L
Cr	53	114356 432	0 248	0 060058	mg/L
Co	59	784835 403	1.770	0 042868	mg/L
Cu	63	507879 081	1 145	0 054215	mg/L
Cu	65	243445 139	0 549	0 053059	mg/L
Zn	66	193309 313	0 435	0 067417	mg/L
Zn	68	173433 688	0 387	0 074985	mg/L
Ge	72	443234 365	443234 365		mg/L
As	75	155915 191	0.349	0 039601	mg/L
Se	77	11220 681	0 025	0 034750	mg/L
Se	82	14800 141	0 033	0 034461	mg/L
Rh	103	283075 388	283075 388		mg/L
Ag	107	611773 839	2.161	0 038359	mg/L
Cd	111	145748 175	0 515	0 038521	mg/L
Cd	114	334299 217	1.181	0.038794	mg/L
Tl	203	470504 365	1 410	0 040605	mg/L
Tl	205	1113827.144	3 339	0 039812	mg/L
Pb	208	2286870.752	6 855	0 059590	mg/L
Bi	209	333552 740	333552 740		mg/L

Repeat 3

Analyte	Mass	Meas Intensity	Net Intensity	Concentration	Report Unit
Li	6	254686 854	254686 854		mg/L
Be	9	11195 827	0 044	0 041619	mg/L
V	51	1203596 359	2.703	0 067471	mg/L
Cr	52	939484 911	2 078	0 060395	mg/L
Cr	53	112667 645	0 244	0 059182	mg/L
Co	59	806367 995	1 820	0 044064	mg/L
Cu	63	523833 466	1 181	0 055945	mg/L
Cu	65	250914 944	0 568	0 054713	mg/L
Zn	66	194991 855	0 439	0 068035	mg/L
Zn	68	175061 408	0 390	0 075711	mg/L
Ge	72	443034 126	443034 126		mg/L
As	75	155376 218	0 348	0 039481	mg/L
Se	77	10820 128	0 024	0 033491	mg/L
Se	82	14432 044	0 033	0 034551	mg/L
Rh	103	280549 048	280549 048		mg/L
Ag	107	605745 403	2 159	0 038323	mg/L
Cd	111	145920 041	0 520	0 038913	mg/L
Cd	114	327462 862	1.167	0 038343	mg/L
Tl	203	461647 981	1 310	0 037705	mg/L
Tl	205	1107744 746	3.143	0 037472	mg/L
Pb	208	2298412 116	6 520	0 056679	mg/L
Bi	209	352446 208	352446 208		mg/L

00896

Sample Information

Sample ID: 1000579-MSD1
Autosampler Position: 45
Sample Date/Time: Monday, January 25, 2010 13:09:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1000579-MSD1.049
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	264113.210	264113.210				mg/L
	Be	9	11717.351	0.044	0.042016	0.001	1.325	mg/L
	V	51	1232262.940	2.759	0.068865	0.001	1.055	mg/L
	Cr	52	940806.920	2.074	0.060286	0.001	1.240	mg/L
	Cr	53	112025.415	0.242	0.058621	0.001	1.553	mg/L
	Co	59	795346.386	1.789	0.043328	0.001	1.566	mg/L
	Cu	63	504528.631	1.135	0.053735	0.001	1.366	mg/L
	Cu	65	240686.755	0.541	0.052321	0.001	2.741	mg/L
	Zn	66	190812.916	0.429	0.066369	0.001	1.719	mg/L
	Zn	68	171982.641	0.382	0.074130	0.001	1.125	mg/L
>	Ge	72	444440.797	444440.797				mg/L
	As	75	158746.861	0.354	0.040214	0.000	0.438	mg/L
	Se	77	11365.526	0.025	0.035113	0.000	0.874	mg/L
	Se	82	15037.240	0.034	0.034919	0.001	1.964	mg/L
>	Rh	103	283650.928	283650.928				mg/L
	Ag	107	613458.355	2.163	0.038392	0.001	1.885	mg/L
	Cd	111	143804.128	0.507	0.037938	0.001	2.721	mg/L
	Cd	114	327280.359	1.154	0.037917	0.002	4.034	mg/L
	Tl	203	470043.585	1.340	0.038579	0.001	2.817	mg/L
	Tl	205	1125326.686	3.208	0.038254	0.001	3.215	mg/L
	Pb	208	2310785.554	6.589	0.057275	0.002	3.364	mg/L
>	Bi	209	350782.731	350782.731				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	109.895
	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	100.849
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.106
	Ag	106.905	

00897

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.007

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	273822.710	273822.710		mg/L
Be	9	11968.708	0.044	0.041383	mg/L
V	51	1251532.868	2.793	0.069703	mg/L
Cr	52	956282.229	2.101	0.061080	mg/L
Cr	53	111853.117	0.240	0.058200	mg/L
Co	59	798750.048	1.791	0.043358	mg/L
Cu	63	499156.578	1.118	0.052974	mg/L
Cu	65	234679.910	0.526	0.050831	mg/L
Zn	66	188301.543	0.421	0.065260	mg/L
Zn	68	170783.970	0.378	0.073343	mg/L
Ge	72	445994.990	445994.990		mg/L
As	75	159164.552	0.354	0.040180	mg/L
Se	77	11297.768	0.025	0.034773	mg/L
Se	82	14756.629	0.033	0.034147	mg/L
Rh	103	281909.848	281909.848		mg/L
Ag	107	603880.768	2.142	0.038021	mg/L
Cd	111	141171.102	0.501	0.037465	mg/L
Cd	114	322537.496	1.144	0.037584	mg/L
Tl	203	474686.880	1.329	0.038268	mg/L
Tl	205	1130987.088	3.184	0.037962	mg/L
Pb	208	2261864.486	6.334	0.055055	mg/L
Bi	209	357071.021	357071.021		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	261482.595	261482.595		mg/L
Be	9	11664.274	0.045	0.042234	mg/L
V	51	1212106.805	2.743	0.068466	mg/L
Cr	52	929254.482	2.070	0.060184	mg/L
Cr	53	112737.582	0.246	0.059666	mg/L
Co	59	799001.529	1.817	0.043991	mg/L
Cu	63	505726.542	1.149	0.054439	mg/L
Cu	65	244385.067	0.555	0.053691	mg/L
Zn	66	192121.287	0.436	0.067539	mg/L
Zn	68	172144.552	0.387	0.075004	mg/L
Ge	72	439713.990	439713.990		mg/L
As	75	156447.733	0.353	0.040058	mg/L
Se	77	11270.729	0.025	0.035197	mg/L
Se	82	14976.246	0.034	0.035151	mg/L
Rh	103	280233.698	280233.698		mg/L
Ag	107	619316.848	2.210	0.039225	mg/L
Cd	111	148535.770	0.523	0.039127	mg/L
Cd	114	337691.398	1.205	0.039585	mg/L
Tl	203	478021.685	1.382	0.039788	mg/L
Tl	205	1148828.460	3.322	0.039604	mg/L
Pb	208	2328235.234	6.731	0.058511	mg/L
Bi	209	345843.982	345843.982		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	257034.325	257034.325		mg/L
Be	9	11519.071	0.045	0.042430	mg/L
V	51	1233149.147	2.742	0.068425	mg/L
Cr	52	936884.070	2.050	0.059595	mg/L
Cr	53	111685.547	0.239	0.057998	mg/L
Co	59	788287.581	1.761	0.042635	mg/L
Cu	63	508702.775	1.138	0.053793	mg/L
Cu	65	242995.287	0.542	0.052443	mg/L
Zn	66	192015.908	0.428	0.066308	mg/L
Zn	68	173019.401	0.382	0.074043	mg/L
Ge	72	447613.411	447613.411		mg/L
As	75	160628.298	0.358	0.040405	mg/L
Se	77	11528.083	0.025	0.035370	mg/L
Se	82	15378.846	0.034	0.035459	mg/L
Rh	103	288809.239	288809.239		mg/L
Ag	107	617187.648	2.137	0.037929	mg/L
Cd	111	143705.513	0.498	0.037228	mg/L
Cd	114	321612.184	1.114	0.036581	mg/L
Tl	203	457422.209	1.309	0.037682	mg/L
Tl	205	1090188.510	3.120	0.037196	mg/L
Pb	208	2342256.942	6.707	0.058259	mg/L
Bi	209	349433.189	349433.189		mg/L

00808

Sample Information

Sample ID: 0A25028-SRD2
Autosampler Position: 46
Sample Date/Time: Monday, January 25, 2010 13:13:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-SRD2.050
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	259081.138	259081.138				mg/L
	Be	9	25.000	0.000	0.000077	0.000	14.393	mg/L
	V	51	94364.629	0.201	0.005006	0.000	1.632	mg/L
	Cr	52	72469.136	0.121	0.003529	0.000	0.682	mg/L
	Cr	53	9510.519	0.011	0.002699	0.000	2.895	mg/L
	Co	59	9332.653	0.021	0.000507	0.000	3.633	mg/L
	Cu	63	29771.723	0.067	0.003162	0.000	1.113	mg/L
	Cu	65	14631.322	0.033	0.003168	0.000	3.517	mg/L
	Zn	66	16379.920	0.036	0.005618	0.000	3.058	mg/L
	Zn	68	18171.979	0.037	0.007084	0.000	2.492	mg/L
>	Ge	72	441223.221	441223.221				mg/L
	As	75	3937.994	0.006	0.000701	0.000	0.677	mg/L
	Se	77	333.010	0.000	0.000095	0.000	18.989	mg/L
	Se	82	16.883	0.000	0.000021	0.000	264.027	mg/L
>	Rh	103	289543.446	289543.446				mg/L
	Ag	107	626.363	0.002	0.000037	0.000	13.868	mg/L
	Cd	111	198.984	0.001	0.000048	0.000	21.755	mg/L
	Cd	114	180.394	0.001	0.000019	0.000	38.923	mg/L
	Tl	203	417.015	0.001	0.000032	0.000	28.738	mg/L
	Tl	205	1004.073	0.003	0.000033	0.000	28.018	mg/L
	Pb	208	160129.895	0.466	0.004053	0.000	1.268	mg/L
>	Bi	209	342796.780	342796.780				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	107.801
	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	100.119
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.144
	Ag	106.905	

00809

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	94.799

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	269614.747	269614.747		mg/L
Be	9	24.000	0.000	0.000070	mg/L
V	51	94499.854	0.201	0.005006	mg/L
Cr	52	72873.975	0.122	0.003549	mg/L
Cr	53	9586.584	0.011	0.002722	mg/L
Co	59	9402.395	0.021	0.000510	mg/L
Cu	63	30190.892	0.068	0.003203	mg/L
Cu	65	15053.735	0.034	0.003255	mg/L
Zn	66	16528.540	0.037	0.005662	mg/L
Zn	68	17734.027	0.035	0.006881	mg/L
Ge	72	441823.302	441823.302		mg/L
As	75	3944.568	0.006	0.000701	mg/L
Se	77	328.010	0.000	0.000077	mg/L
Se	82	1.967	-0.000	-0.000014	mg/L
Rh	103	280256.248	280256.248		mg/L
Ag	107	681.035	0.002	0.000041	mg/L
Cd	111	198.255	0.001	0.000048	mg/L
Cd	114	137.762	0.000	0.000014	mg/L
Tl	203	350.011	0.001	0.000027	mg/L
Tl	205	874.055	0.002	0.000028	mg/L
Pb	208	158254.602	0.459	0.003894	mg/L
Bi	209	343775.978	343775.978		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	253375.770	253375.770		mg/L
Be	9	23.000	0.000	0.000072	mg/L
V	51	93290.958	0.197	0.004924	mg/L
Cr	52	72350.438	0.120	0.003502	mg/L
Cr	53	9389.380	0.011	0.002611	mg/L
Co	59	9008.957	0.020	0.000487	mg/L
Cu	63	29686.078	0.066	0.003141	mg/L
Cu	65	14116.087	0.031	0.003042	mg/L
Zn	66	15904.321	0.035	0.005429	mg/L
Zn	68	18445.576	0.037	0.007172	mg/L
Ge	72	442969.839	442969.839		mg/L
As	75	3934.555	0.006	0.000696	mg/L
Se	77	334.010	0.000	0.000094	mg/L
Se	82	44.340	0.000	0.000085	mg/L
Rh	103	286127.027	286127.027		mg/L
Ag	107	522.022	0.002	0.000031	mg/L
Cd	111	158.809	0.001	0.000038	mg/L
Cd	114	147.762	0.000	0.000015	mg/L
Tl	203	353.011	0.001	0.000027	mg/L
Tl	205	821.049	0.002	0.000027	mg/L
Pb	208	159676.720	0.469	0.004077	mg/L
Bi	209	339771.627	339771.627		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	254252.898	254252.898		mg/L
Be	9	28.000	0.000	0.000090	mg/L
V	51	95303.074	0.204	0.005088	mg/L
Cr	52	72182.994	0.122	0.003536	mg/L
Cr	53	9575.594	0.011	0.002782	mg/L
Co	59	9586.607	0.022	0.000524	mg/L
Cu	63	29438.199	0.066	0.003144	mg/L
Cu	65	14724.144	0.033	0.003205	mg/L
Zn	66	16706.897	0.037	0.005764	mg/L
Zn	68	18336.334	0.037	0.007199	mg/L
Ge	72	438876.521	438876.521		mg/L
As	75	3934.840	0.006	0.000706	mg/L
Se	77	337.010	0.000	0.000113	mg/L
Se	82	4.343	-0.000	-0.000008	mg/L
Rh	103	292247.064	292247.064		mg/L
Ag	107	676.034	0.002	0.000040	mg/L
Cd	111	241.888	0.001	0.000059	mg/L
Cd	114	255.657	0.001	0.000027	mg/L
Tl	203	548.023	0.002	0.000043	mg/L
Tl	205	1317.117	0.004	0.000044	mg/L
Pb	208	162458.362	0.470	0.004087	mg/L
Bi	209	344842.735	344842.735		mg/L

20819

Sample Information

Sample ID: 0A25028-CCV

Autosampler Position: 2
Sample Date/Time: Monday, January 25, 2010 13:16:33
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCV.051
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	249206.022	249206.022				mg/L
	Be	9	10705.653	0.043	0.040668	0.001	1.676	mg/L
	V	51	715370.864	1.668	0.041628	0.001	1.758	mg/L
	Cr	52	645967.942	1.475	0.042883	0.001	1.622	mg/L
	Cr	53	77593.349	0.172	0.041707	0.001	1.581	mg/L
	Co	59	739244.775	1.737	0.042058	0.000	1.134	mg/L
	Cu	63	379208.670	0.890	0.042174	0.001	2.081	mg/L
	Cu	65	182732.742	0.429	0.041474	0.000	0.539	mg/L
	Zn	66	115143.864	0.270	0.041778	0.000	1.041	mg/L
	Zn	68	94852.058	0.218	0.042316	0.000	0.767	mg/L
>	Ge	72	425543.160	425543.160				mg/L
	As	75	153626.820	0.358	0.040649	0.001	1.751	mg/L
	Se	77	11913.964	0.027	0.038535	0.000	1.137	mg/L
	Se	82	15506.503	0.036	0.037606	0.000	1.281	mg/L
>	Rh	103	279114.008	279114.008				mg/L
	Ag	107	625451.074	2.241	0.039774	0.000	0.993	mg/L
	Cd	111	148790.443	0.533	0.039885	0.001	1.904	mg/L
	Cd	114	338715.300	1.214	0.039867	0.000	0.957	mg/L
	Tl	203	476779.285	1.414	0.040695	0.001	1.850	mg/L
	Tl	205	1149116.587	3.407	0.040621	0.000	0.755	mg/L
	Pb	208	1546447.856	4.584	0.039850	0.000	0.787	mg/L
>	Bi	209	337262.469	337262.469				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	103.693
	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	96.561
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	96.536
	Ag	106.905	

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Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	93.268

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	258036 606	258036 606		mg/L
Be	9	11140 553	0 043	0 040876	mg/L
V	51	713529 943	1 673	0 041750	mg/L
Cr	52	645103 243	1 482	0 043066	mg/L
Cr	53	77971 854	0 174	0 042167	mg/L
Co	59	731561 781	1.729	0 041852	mg/L
Cu	63	371670 159	0 878	0 041564	mg/L
Cu	65	182963 913	0 431	0 041668	mg/L
Zn	66	115803 221	0 273	0 042251	mg/L
Zn	68	94014 281	0 218	0 042173	mg/L
Ge	72	423179 937	423179 937		mg/L
As	75	149810 267	0 351	0 039855	mg/L
Se	77	11760 410	0 027	0 036243	mg/L
Se	82	15208.755	0 036	0 037095	mg/L
Rh	103	274274 204	274274 204		mg/L
Ag	107	610462 718	2 226	0 039505	mg/L
Cd	111	144554 897	0 527	0 039431	mg/L
Cd	114	332206 583	1 211	0 039788	mg/L
Tl	203	485234.186	1 444	0 041562	mg/L
Tl	205	1141522.388	3.396	0 040496	mg/L
Pb	208	1527032 914	4 543	0 039489	mg/L
Bi	209	336074 094	336074 094		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	245206 689	245206 689		mg/L
Be	9	10675 941	0 044	0 041221	mg/L
V	51	709943 804	1 637	0 040843	mg/L
Cr	52	641904 832	1 449	0 042115	mg/L
Cr	53	77132 085	0 169	0 040951	mg/L
Co	59	741555 918	1 723	0 041720	mg/L
Cu	63	379890 763	0 882	0 041778	mg/L
Cu	65	185012 049	0 430	0 041525	mg/L
Zn	66	115380 413	0 267	0 041396	mg/L
Zn	68	95414 070	0 217	0 042088	mg/L
Ge	72	430321.124	430321.124		mg/L
As	75	156145.597	0 360	0 040859	mg/L
Se	77	11983 730	0 027	0 038324	mg/L
Se	82	15865 205	0 037	0 038052	mg/L
Rh	103	277434 300	277434 300		mg/L
Ag	107	628790 234	2 266	0 040227	mg/L
Cd	111	151154 157	0 545	0 040762	mg/L
Cd	114	340205 150	1 226	0 040282	mg/L
Tl	203	475019 031	1 401	0 040318	mg/L
Tl	205	1165469 426	3 436	0 040970	mg/L
Pb	208	1563305 399	4 609	0 040460	mg/L
Bi	209	339153.178	339153 178		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	244374 772	244374 772		mg/L
Be	9	10300 465	0 042	0 039906	mg/L
V	51	722638 844	1 695	0 042292	mg/L
Cr	52	650895 751	1 495	0 043469	mg/L
Cr	53	77676.108	0 173	0 042003	mg/L
Co	59	744618 647	1 760	0 042604	mg/L
Cu	63	386065 089	0 912	0 043180	mg/L
Cu	65	180622 265	0 426	0 041229	mg/L
Zn	66	114247 959	0 269	0 041687	mg/L
Zn	68	95127 823	0 220	0 042688	mg/L
Ge	72	423128 417	423128 417		mg/L
As	75	154924 597	0 363	0 041232	mg/L
Se	77	11997.750	0 028	0 039039	mg/L
Se	82	15444.548	0 038	0 037672	mg/L
Rh	103	285633 518	285633 518		mg/L
Ag	107	537100 269	2 230	0 039588	mg/L
Cd	111	150867 274	0 527	0 039463	mg/L
Cd	114	343734 166	1 203	0 039532	mg/L
Tl	203	470084 640	1 397	0 040206	mg/L
Tl	205	1140357 946	3 388	0 040396	mg/L
Pb	208	1549005 255	4 602	0 040000	mg/L
Bi	209	336560 136	336560 136		mg/L

00812

Sample Information

Sample ID: 0A25028-CCB

Autosampler Position: 1
Sample Date/Time: Monday, January 25, 2010 13:19:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCB.052
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	254289.670	254289.670				mg/L
	Be	9	4.333	0.000	0.000002	0.000	332.880	mg/L
	V	51	6418.087	0.001	0.000034	0.000	92.390	mg/L
	Cr	52	20025.248	0.003	0.000083	0.000	68.167	mg/L
	Cr	53	3220.654	-0.003	-0.000748	0.000	3.831	mg/L
	Co	59	134.669	0.000	0.000002	0.000	46.554	mg/L
	Cu	63	443.016	0.000	0.000015	0.000	27.582	mg/L
	Cu	65	213.338	0.000	0.000009	0.000	58.219	mg/L
	Zn	66	321.676	-0.000	-0.000018	0.000	33.866	mg/L
	Zn	68	1952.248	-0.000	-0.000038	0.000	109.225	mg/L
>	Ge	72	438300.600	438300.600				mg/L
	As	75	1261.073	0.000	0.000015	0.000	21.218	mg/L
	Se	77	295.342	-0.000	-0.000019	0.000	572.337	mg/L
	Se	82	-3.099	-0.000	-0.000026	0.000	482.823	mg/L
>	Rh	103	292600.687	292600.687				mg/L
	Ag	107	291.675	0.001	0.000017	0.000	24.466	mg/L
	Cd	111	15.099	0.000	0.000001	0.000	149.613	mg/L
	Cd	114	30.081	0.000	0.000002	0.000	46.077	mg/L
	Tl	203	80.335	0.000	0.000004	0.000	34.310	mg/L
	Tl	205	164.670	0.000	0.000004	0.000	16.860	mg/L
	Pb	208	498.011	0.001	0.000005	0.000	7.829	mg/L
>	Bi	209	343500.131	343500.131				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	105.808
	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	99.456
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.201
	Ag	106.905	

00813

Cd	110.904	
Cd	113.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	94.993

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0A25028-CCB	Cr	53	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	258116.010	258116.010		mg/L
Be	9	3.000	-0.000	-0.000003	mg/L
V	51	6591.988	0.002	0.000048	mg/L
Cr	52	20709.909	0.005	0.000144	mg/L
Cr	53	3240.662	0.003	-0.000716	mg/L
Co	59	153.003	0.000	0.000003	mg/L
Cu	63	478.018	0.000	0.000019	mg/L
Cu	65	236.006	0.000	0.000014	mg/L
Zn	66	336.010	0.000	-0.000012	mg/L
Zn	68	1911.238	-0.000	-0.000046	mg/L
Ge	72	433219.693	433219.693		mg/L
As	75	1233.887	0.000	0.000012	mg/L
Se	77	309.009	0.000	0.000038	mg/L
Se	82	-50.188	-0.000	-0.000138	mg/L
Rh	103	289982.974	289982.974		mg/L
Ag	107	356.011	0.001	0.000021	mg/L
Cd	111	10.930	-0.000	-0.000000	mg/L
Cd	114	33.252	0.000	0.000002	mg/L
Tl	203	91.001	0.000	0.000005	mg/L
Tl	205	178.004	0.000	0.000004	mg/L
Pb	208	488.010	0.001	0.000005	mg/L
Bi	209	339240.632	339240.632		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	256307.437	256307.437		mg/L
Be	9	6.000	0.000	0.000008	mg/L
V	51	6807.843	0.002	0.000056	mg/L
Cr	52	19882.914	0.003	0.000073	mg/L
Cr	53	3180.639	-0.003	-0.000771	mg/L
Co	59	134.002	0.000	0.000002	mg/L
Cu	63	436.018	0.000	0.000014	mg/L
Cu	65	208.005	0.000	0.000007	mg/L
Zn	66	321.009	-0.000	-0.000010	mg/L
Zn	68	2055.274	0.000	0.000007	mg/L
Ge	72	438574.209	438574.209		mg/L
As	75	1273.300	0.000	0.000018	mg/L
Se	77	317.009	0.000	0.000050	mg/L
Se	82	54.580	0.000	0.000110	mg/L
Rh	103	294084.364	294084.364		mg/L
Ag	107	294.008	0.001	0.000017	mg/L
Cd	111	17.771	0.000	0.000001	mg/L
Cd	114	33.975	0.000	0.000002	mg/L
Tl	203	61.001	0.000	0.000003	mg/L
Tl	205	171.003	0.000	0.000004	mg/L
Pb	208	517.012	0.001	0.000005	mg/L
Bi	209	345146.952	345146.952		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	248445.563	248445.563		mg/L
Be	9	4.000	0.000	0.000001	mg/L
V	51	5854.430	-0.000	-0.000002	mg/L
Cr	52	19472.920	0.001	0.000032	mg/L
Cr	53	3240.662	-0.003	-0.000756	mg/L
Co	59	117.002	0.000	0.000001	mg/L
Cu	63	415.014	0.000	0.000011	mg/L
Cu	65	196.004	0.000	0.000004	mg/L
Zn	66	308.009	-0.000	-0.000024	mg/L
Zn	68	1890.233	-0.000	0.000074	mg/L
Ge	72	443107.898	443107.898		mg/L
As	75	1276.051	0.000	0.000015	mg/L
Se	77	260.007	-0.000	-0.000142	mg/L
Se	82	-13.667	0.000	-0.000050	mg/L
Rh	103	293754.722	293754.727		mg/L
Ag	107	225.005	0.001	0.000013	mg/L
Cd	111	16.598	0.000	0.000001	mg/L
Cd	114	23.017	0.000	0.000001	mg/L
Tl	203	89.001	0.000	0.000005	mg/L
Tl	205	145.003	0.000	0.000003	mg/L
Pb	208	489.010	0.001	0.000005	mg/L
Bi	209	346112.808	346112.808		mg/L

00814

Sample Information

Sample ID: 1000579-PS1
Autosampler Position: 47
Sample Date/Time: Monday, January 25, 2010 13:23:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1000579-PS1.053
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	264505.727	264505.727				mg/L
	Be	9	5750.041	0.022	0.020575	0.000	0.716	mg/L
	V	51	831941.501	1.822	0.045470	0.001	1.277	mg/L
	Cr	52	607595.291	1.297	0.037714	0.000	1.323	mg/L
	Cr	53	72687.361	0.150	0.036367	0.001	1.598	mg/L
	Co	59	410041.494	0.904	0.021897	0.001	2.322	mg/L
	Cu	63	327111.421	0.721	0.034138	0.000	1.443	mg/L
	Cu	65	157286.262	0.347	0.033501	0.000	1.146	mg/L
	Zn	66	131102.688	0.288	0.044652	0.001	1.825	mg/L
	Zn	68	125394.381	0.272	0.052725	0.000	0.307	mg/L
>	Ge	72	453358.506	453358.506				mg/L
	As	75	88231.138	0.192	0.021770	0.000	0.228	mg/L
	Se	77	6134.653	0.013	0.018121	0.000	1.913	mg/L
	Se	82	7828.983	0.017	0.017813	0.000	1.840	mg/L
>	Rh	103	290750.088	290750.088				mg/L
	Ag	107	314806.507	1.083	0.019217	0.000	1.140	mg/L
	Cd	111	73004.920	0.251	0.018783	0.000	1.187	mg/L
	Cd	114	163765.946	0.563	0.018501	0.000	1.371	mg/L
	Tl	203	236273.236	0.649	0.018677	0.001	2.978	mg/L
	Tl	205	565897.337	1.554	0.018529	0.001	3.393	mg/L
	Pb	208	1593323.141	4.374	0.038025	0.001	2.148	mg/L
>	Bi	209	364276.527	364276.527				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	110.059
	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	102.872
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.561
	Ag	106.905	

00815

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.739

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	268701.955	268701.955		mg/L
Be	9	5807.081	0.022	0.020454	mg/L
V	51	832887.065	1.843	0.045985	mg/L
Cr	52	610339.139	1.317	0.034285	mg/L
Cr	53	73169.551	0.153	0.037020	mg/L
Co	59	416308.308	0.927	0.022455	mg/L
Cu	63	322658.025	0.718	0.034017	mg/L
Cu	65	155897.268	0.347	0.033543	mg/L
Zn	66	127307.321	0.283	0.043802	mg/L
Zn	68	123701.589	0.271	0.052539	mg/L
Ge	72	448796.581	448796.581		mg/L
As	75	87369.206	0.192	0.021777	mg/L
Se	77	5984.193	0.013	0.017781	mg/L
Se	82	7845.537	0.017	0.017573	mg/L
Rh	103	289356.755	289356.755		mg/L
Ag	107	311619.525	1.077	0.019114	mg/L
Cd	111	71882.127	0.248	0.018584	mg/L
Cd	114	162131.485	0.560	0.018405	mg/L
Tl	203	233484.283	0.629	0.018119	mg/L
Tl	205	557124.245	1.502	0.017906	mg/L
Pb	208	1587198.304	4.278	0.037189	mg/L
Bi	209	370919.804	370919.804		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	265654.521	265654.521		mg/L
Be	9	5821.091	0.022	0.020739	mg/L
V	51	836197.594	1.828	0.045584	mg/L
Cr	52	605774.402	1.290	0.037496	mg/L
Cr	53	72522.929	0.149	0.036177	mg/L
Co	59	402934.351	0.886	0.021460	mg/L
Cu	63	323892.571	0.712	0.033718	mg/L
Cu	65	155766.257	0.342	0.033087	mg/L
Zn	66	131641.934	0.289	0.044727	mg/L
Zn	68	125476.821	0.272	0.052795	mg/L
Ge	72	454512.264	454512.264		mg/L
As	75	88641.004	0.192	0.021876	mg/L
Se	77	6145.326	0.013	0.018106	mg/L
Se	82	8012.918	0.018	0.018186	mg/L
Rh	103	291105.109	291105.109		mg/L
Ag	107	312742.449	1.074	0.019068	mg/L
Cd	111	72929.770	0.250	0.018742	mg/L
Cd	114	162264.341	0.557	0.018310	mg/L
Tl	203	237894.178	0.649	0.018681	mg/L
Tl	205	569350.843	1.553	0.018517	mg/L
Pb	208	1605431.741	4.379	0.038064	mg/L
Bi	209	366552.756	366552.756		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	259160.705	259160.705		mg/L
Be	9	5621.952	0.022	0.020531	mg/L
V	51	828739.846	1.797	0.044841	mg/L
Cr	52	606872.333	1.285	0.037362	mg/L
Cr	53	72369.604	0.148	0.035905	mg/L
Co	59	410883.826	0.899	0.021775	mg/L
Cu	63	334783.667	0.732	0.034680	mg/L
Cu	65	160173.282	0.350	0.033862	mg/L
Zn	66	134358.808	0.293	0.045426	mg/L
Zn	68	126604.732	0.273	0.052839	mg/L
Ge	72	456766.672	456766.672		mg/L
As	75	88683.205	0.191	0.021718	mg/L
Se	77	6294.439	0.013	0.018474	mg/L
Se	82	7828.494	0.017	0.017679	mg/L
Rh	103	291788.400	291788.400		mg/L
Ag	107	320057.548	1.097	0.019468	mg/L
Cd	111	74202.864	0.254	0.019024	mg/L
Cd	114	166902.011	0.572	0.018789	mg/L
Tl	203	237431.248	0.668	0.019232	mg/L
Tl	205	571217.123	1.607	0.019164	mg/L
Pb	208	1587338.377	4.466	0.034821	mg/L
Bi	209	355357.022	355357.022		mg/L

99816

Sample Information

Sample ID: 1001254-10
Autosampler Position: 48
Sample Date/Time: Monday, January 25, 2010 13:26:44
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001254-10.054
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	253440.002	253440.002				mg/L
	Be	9	358.678	0.001	0.001326	0.000	6.800	mg/L
	V	51	577497.666	1.266	0.031586	0.000	1.262	mg/L
	Cr	52	413708.592	0.873	0.025388	0.000	1.614	mg/L
	Cr	53	48694.019	0.097	0.023637	0.001	3.526	mg/L
	Co	59	110143.222	0.244	0.005902	0.000	2.641	mg/L
	Cu	63	526050.356	1.164	0.055141	0.001	1.048	mg/L
	Cu	65	258053.123	0.571	0.055205	0.001	1.419	mg/L
	Zn	66	479911.357	1.062	0.164506	0.004	2.483	mg/L
	Zn	68	400247.113	0.882	0.170962	0.002	1.400	mg/L
>	Ge	72	451620.910	451620.910				mg/L
	As	75	52285.401	0.113	0.012828	0.000	2.171	mg/L
	Se	77	699.703	0.001	0.001219	0.000	16.615	mg/L
	Se	82	292.525	0.001	0.000652	0.000	22.169	mg/L
>	Rh	103	279877.227	279877.227				mg/L
	Ag	107	2186.976	0.008	0.000138	0.000	3.850	mg/L
	Cd	111	2661.476	0.009	0.000708	0.000	3.263	mg/L
	Cd	114	2888.785	0.010	0.000337	0.000	5.289	mg/L
	Tl	203	2225.986	0.006	0.000183	0.000	5.965	mg/L
	Tl	205	5448.502	0.016	0.000186	0.000	2.829	mg/L
	Pb	208	2215199.069	6.398	0.055612	0.002	3.548	mg/L
>	Bi	209	346381.527	346381.527				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	105.454
	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	102.478
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	96.800
	Ag	106.905	

00817

	Cd	110.904
	Cd	113.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

95.790

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	282875.502	282975.502		mg/L
Be	9	370.012	0.001	0.001318	mg/L
V	51	585998.813	1.253	0.031284	mg/L
Cr	52	418766.478	0.858	0.024943	mg/L
Cr	53	48149.180	0.094	0.027720	mg/L
Co	59	109431.921	0.236	0.005723	mg/L
Cu	63	535826.781	1.153	0.054623	mg/L
Cu	65	262930.102	0.568	0.054910	mg/L
Zn	66	478800.532	1.034	0.160178	mg/L
Zn	68	403566.890	0.868	0.168248	mg/L
Ge	72	462586.972	462586.972		mg/L
As	75	52289.107	0.110	0.012514	mg/L
Se	77	641.031	0.001	0.000985	mg/L
Se	82	741.304	0.001	0.000520	mg/L
Rh	103	277405.380	277405.380		mg/L
Ag	107	2255.328	0.008	0.000143	mg/L
Cd	111	2702.858	0.010	0.000728	mg/L
Cd	114	2727.704	0.010	0.000321	mg/L
Tl	203	2130.294	0.008	0.000171	mg/L
Tl	205	5395.800	0.015	0.000180	mg/L
Pb	208	2198145.101	8.207	0.053951	mg/L
Bi	209	354115.814	354115.814		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	247542.281	247542.281		mg/L
Be	9	375.012	0.001	0.001420	mg/L
V	51	568890.853	1.260	0.031436	mg/L
Cr	52	410758.886	0.876	0.025470	mg/L
Cr	53	48589.730	0.098	0.023843	mg/L
Co	59	110462.393	0.247	0.005979	mg/L
Cu	63	519680.987	1.162	0.055036	mg/L
Cu	65	252652.287	0.565	0.054611	mg/L
Zn	66	478644.005	1.068	0.165045	mg/L
Zn	68	400322.872	0.891	0.172765	mg/L
Ge	72	446932.268	446932.268		mg/L
As	75	52148.105	0.114	0.012927	mg/L
Se	77	733.040	0.001	0.001344	mg/L
Se	82	260.412	0.001	0.000629	mg/L
Rh	103	280040.355	280040.355		mg/L
Ag	107	2110.288	0.007	0.000133	mg/L
Cd	111	2698.614	0.010	0.000717	mg/L
Cd	114	3053.953	0.011	0.000358	mg/L
Tl	203	2288.337	0.007	0.000192	mg/L
Tl	205	5444.833	0.016	0.000190	mg/L
Pb	208	2252415.548	6.649	0.057793	mg/L
Bi	209	338737.780	338737.780		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	249802.243	249802.243		mg/L
Be	9	331.010	0.001	0.001241	mg/L
V	51	577603.530	1.284	0.032038	mg/L
Cr	52	413600.412	0.868	0.025750	mg/L
Cr	53	49343.146	0.100	0.024348	mg/L
Co	59	110535.352	0.248	0.006004	mg/L
Cu	63	524663.321	1.177	0.055764	mg/L
Cu	65	258578.980	0.580	0.056083	mg/L
Zn	66	484289.533	1.087	0.168294	mg/L
Zn	68	396851.577	0.888	0.171873	mg/L
Ge	72	445343.491	445343.491		mg/L
As	75	52420.991	0.115	0.013044	mg/L
Se	77	725.039	0.001	0.001327	mg/L
Se	82	355.860	0.001	0.000807	mg/L
Rh	103	282185.984	282185.984		mg/L
Ag	107	2195.311	0.008	0.000137	mg/L
Cd	111	2584.956	0.009	0.000682	mg/L
Cd	114	2864.700	0.010	0.000334	mg/L
Tl	203	2259.329	0.006	0.000185	mg/L
Tl	205	5504.873	0.016	0.000188	mg/L
Pb	208	2195038.557	6.338	0.055092	mg/L
Bi	209	346290.987	346290.987		mg/L

02818

Sample Information

Sample ID: 0A25028-CCV

Autosampler Position: 2
Sample Date/Time: Monday, January 25, 2010 13:30:08
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCV.055
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	242505.072	242505.072				mg/L
	Be	9	10484.372	0.043	0.040924	0.001	1.637	mg/L
	V	51	716330.772	1.629	0.040657	0.001	2.277	mg/L
	Cr	52	642833.536	1.431	0.041599	0.000	0.729	mg/L
	Cr	53	76980.762	0.166	0.040287	0.000	1.048	mg/L
	Co	59	734032.720	1.683	0.040746	0.001	1.825	mg/L
	Cu	63	370345.063	0.849	0.040195	0.001	2.759	mg/L
	Cu	65	178071.302	0.408	0.039438	0.001	1.764	mg/L
	Zn	66	112789.383	0.258	0.039934	0.001	3.100	mg/L
	Zn	68	92764.822	0.208	0.040336	0.000	0.595	mg/L
>	Ge	72	436152.767	436152.767				mg/L
	As	75	155844.809	0.355	0.040231	0.000	1.053	mg/L
	Se	77	11875.580	0.027	0.037455	0.001	3.508	mg/L
	Se	82	15918.637	0.036	0.037675	0.001	2.667	mg/L
>	Rh	103	290398.652	290398.652				mg/L
	Ag	107	645560.789	2.223	0.039455	0.000	1.049	mg/L
	Cd	111	149807.230	0.516	0.038593	0.000	0.983	mg/L
	Cd	114	342256.792	1.179	0.038718	0.001	1.896	mg/L
	Tl	203	477676.071	1.405	0.040444	0.001	3.025	mg/L
	Tl	205	1141872.632	3.358	0.040042	0.001	2.758	mg/L
	Pb	208	1547467.792	4.550	0.039554	0.000	0.491	mg/L
>	Bi	209	340010.484	340010.484				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.904
	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	98.968
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.439
	Ag	106.905	

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	Cd	110.904	
	Cd	113.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	94.028

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	252883.135	252883.135		mg/L
Be	9	11027.402	0.044	0.041288	mg/L
V	51	737758.833	1.671	0.041715	mg/L
Cr	52	647970.412	1.437	0.041768	mg/L
Cr	53	76412.494	0.184	0.039789	mg/L
Co	59	721580.182	1.648	0.039892	mg/L
Cu	63	368356.765	0.840	0.039806	mg/L
Cu	65	179805.884	0.410	0.039656	mg/L
Zn	66	112504.481	0.256	0.039659	mg/L
Zn	68	92540.912	0.207	0.040071	mg/L
Ge	72	437909.583	437909.583		mg/L
As	75	154621.560	0.350	0.039751	mg/L
Se	77	11470.003	0.026	0.039988	mg/L
Se	82	15527.979	0.035	0.036597	mg/L
Rh	103	288510.139	288510.139		mg/L
Ag	107	633576.175	2.196	0.038977	mg/L
Cd	111	147216.949	0.510	0.038176	mg/L
Cd	114	337844.703	1.171	0.038467	mg/L
Tl	203	483535.574	1.359	0.039136	mg/L
Tl	205	1115968.378	3.273	0.039023	mg/L
Pb	208	1557111.882	4.566	0.039091	mg/L
Bi	209	340949.304	340949.304		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	237824.647	237824.647		mg/L
Be	9	10374.558	0.044	0.041338	mg/L
V	51	714375.880	1.602	0.039992	mg/L
Cr	52	640380.780	1.419	0.041249	mg/L
Cr	53	78479.582	0.187	0.040528	mg/L
Co	59	750610.281	1.697	0.041099	mg/L
Cu	63	367462.841	0.830	0.039332	mg/L
Cu	65	176987.476	0.400	0.038659	mg/L
Zn	66	111301.456	0.251	0.038856	mg/L
Zn	68	94504.788	0.209	0.040540	mg/L
Ge	72	442145.750	442145.750		mg/L
As	75	159243.761	0.357	0.040553	mg/L
Se	77	12165.998	0.027	0.037855	mg/L
Se	82	16212.217	0.037	0.037844	mg/L
Rh	103	289471.645	289471.645		mg/L
Ag	107	647813.178	2.237	0.039709	mg/L
Cd	111	149681.944	0.517	0.038680	mg/L
Cd	114	348466.730	1.204	0.039545	mg/L
Tl	203	480843.279	1.412	0.040638	mg/L
Tl	205	1139589.725	3.345	0.039888	mg/L
Pb	208	1553549.783	4.560	0.039638	mg/L
Bi	209	340822.329	340822.329		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	237007.432	237007.432		mg/L
Be	9	10051.156	0.042	0.040151	mg/L
V	51	696857.492	1.613	0.040765	mg/L
Cr	52	634149.416	1.437	0.041782	mg/L
Cr	53	76050.198	0.187	0.040534	mg/L
Co	59	729907.718	1.704	0.041248	mg/L
Cu	63	375185.583	0.875	0.041445	mg/L
Cu	65	177420.545	0.414	0.039998	mg/L
Zn	66	114562.232	0.267	0.041286	mg/L
Zn	68	91246.768	0.208	0.040396	mg/L
Ge	72	428402.968	428402.968		mg/L
As	75	153669.106	0.356	0.040388	mg/L
Se	77	11990.740	0.027	0.038523	mg/L
Se	82	16015.716	0.037	0.038585	mg/L
Rh	103	293214.171	293214.171		mg/L
Ag	107	655493.014	2.235	0.039679	mg/L
Cd	111	152522.797	0.520	0.038917	mg/L
Cd	114	340458.943	1.161	0.038143	mg/L
Tl	203	488648.380	1.444	0.041560	mg/L
Tl	205	1170058.796	3.457	0.041216	mg/L
Pb	208	1531741.712	4.525	0.039332	mg/L
Bi	209	338459.818	338459.818		mg/L

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Sample Information

Sample ID: 0A25028-CCB

Autosampler Position: 1
Sample Date/Time: Monday, January 25, 2010 13:33:30
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCB.056
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	240609.190	240609.190				mg/L
	Be	9	7.333	0.000	0.000015	0.000	104.764	mg/L
	V	51	6420.593	0.002	0.000057	0.000	30.380	mg/L
	Cr	52	20423.872	0.007	0.000193	0.000	15.743	mg/L
	Cr	53	3684.518	-0.002	-0.000365	0.000	1.567	mg/L
	Co	59	118.335	0.000	0.000002	0.000	41.885	mg/L
	Cu	63	403.014	0.000	0.000013	0.000	30.085	mg/L
	Cu	65	198.338	0.000	0.000008	0.000	43.978	mg/L
	Zn	66	315.676	-0.000	-0.000014	0.000	16.473	mg/L
	Zn	68	1985.256	0.000	0.000031	0.000	43.550	mg/L
>	Ge	72	412696.604	412696.604				mg/L
	As	75	1209.319	0.000	0.000021	0.000	102.704	mg/L
	Se	77	304.342	0.000	0.000070	0.000	85.820	mg/L
	Se	82	1.236	-0.000	-0.000015	0.000	489.722	mg/L
>	Rh	103	285480.919	285480.919				mg/L
	Ag	107	336.344	0.001	0.000020	0.000	24.225	mg/L
	Cd	111	14.032	0.000	0.000000	0.000	580.649	mg/L
	Cd	114	37.987	0.000	0.000003	0.000	43.309	mg/L
	Tl	203	65.668	0.000	0.000003	0.000	32.304	mg/L
	Tl	205	171.337	0.000	0.000004	0.000	10.949	mg/L
	Pb	208	494.344	0.001	0.000005	0.000	9.568	mg/L
>	Bi	209	329860.243	329860.243				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.115
	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	93.646
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.739
	Ag	106.905	

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Cd	110.904		
Cd	113.904		
Tl	202.972		
Tl	204.975		
Pb	207.977		
Bi	208.980	91.221	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0A25028-CCB	Cr	53	

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	247230.197	247230.197		mg/L
Be	9	3.000	-0.000	-0.000003	mg/L
V	51	6288.028	0.002	0.000043	mg/L
Cr	52	20238.749	0.005	0.000160	mg/L
Cr	53	3726.870	-0.002	-0.000371	mg/L
Co	59	135.002	0.000	0.000003	mg/L
Cu	63	440.016	0.000	0.000016	mg/L
Cu	65	202.004	0.000	0.000008	mg/L
Zn	66	324.010	0.000	-0.000012	mg/L
Zn	68	2037.269	0.000	0.000042	mg/L
Ge	72	418694.634	418694.634		mg/L
As	75	1171.678	0.000	0.000006	mg/L
Se	77	329.010	0.000	0.000139	mg/L
Se	82	-30.724	-0.000	-0.000094	mg/L
Rh	103	284263.845	284263.845		mg/L
Ag	107	419.015	0.001	0.000025	mg/L
Cd	111	22.473	0.000	0.000003	mg/L
Cd	114	27.250	0.000	0.000001	mg/L
Tl	203	80.001	0.000	0.000004	mg/L
Tl	205	187.004	0.000	0.000005	mg/L
Pb	208	520.011	0.001	0.000008	mg/L
Bi	209	336452.934	336452.934		mg/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	238843.778	238843.778		mg/L
Be	9	10.000	0.000	0.000025	mg/L
V	51	6228.483	0.002	0.000051	mg/L
Cr	52	20228.724	0.007	0.000201	mg/L
Cr	53	3832.828	0.001	0.000382	mg/L
Co	59	108.002	0.000	0.000001	mg/L
Cu	63	402.014	0.000	0.000013	mg/L
Cu	65	210.005	0.000	0.000012	mg/L
Zn	66	304.009	-0.000	-0.000018	mg/L
Zn	68	1923.241	0.000	0.000016	mg/L
Ge	72	406441.702	406441.702		mg/L
As	75	1156.849	0.000	0.000011	mg/L
Se	77	292.008	0.000	0.000044	mg/L
Se	82	7.680	0.000	0.000001	mg/L
Rh	103	282818.254	282818.254		mg/L
Ag	107	319.009	0.001	0.000019	mg/L
Cd	111	3.995	0.000	-0.000002	mg/L
Cd	114	44.921	0.000	0.000003	mg/L
Tl	203	55.001	0.000	0.000002	mg/L
Tl	205	156.003	0.000	0.000004	mg/L
Pb	208	469.009	0.001	0.000005	mg/L
Bi	209	327162.697	327162.697		mg/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	235753.597	235753.597		mg/L
Be	9	9.000	0.000	0.000022	mg/L
V	51	6745.268	0.003	0.000078	mg/L
Cr	52	20804.144	0.008	0.000219	mg/L
Cr	53	3693.855	-0.001	-0.000361	mg/L
Co	59	112.002	0.000	0.000001	mg/L
Cu	63	367.012	0.000	0.000009	mg/L
Cu	65	183.004	0.000	0.000004	mg/L
Zn	66	319.009	-0.000	-0.000013	mg/L
Zn	68	1995.259	0.000	0.000035	mg/L
Ge	72	412953.477	412953.477		mg/L
As	75	1299.431	0.000	0.000045	mg/L
Se	77	292.008	0.000	0.000028	mg/L
Se	82	26.752	0.000	0.000049	mg/L
Rh	103	289560.659	289560.659		mg/L
Ag	107	271.007	0.001	0.000018	mg/L
Cd	111	15.628	0.000	0.000001	mg/L
Cd	114	41.749	0.000	0.000003	mg/L
Tl	203	62.001	0.000	0.000003	mg/L
Tl	205	171.003	0.000	0.000004	mg/L
Pb	208	494.011	0.001	0.000005	mg/L
Bi	209	325965.098	325965.098		mg/L

00822

Sample Information

Sample ID: 1001142-02
Autosampler Position: 49
Sample Date/Time: Monday, January 25, 2010 13:37:29
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001142-02.057
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	247061.292	6729.564				mg/L
	Cu	63	261168.704	0.599	0.028377	0.001	2.288	mg/L
	Cu	65	127543.574	0.293	0.028281	0.001	2.146	mg/L
	Zn	66	240882.077	0.552	0.085561	0.003	3.001	mg/L
	Zn	68	203462.086	0.463	0.089715	0.003	3.555	mg/L
>	Ge	72	435513.792	435513.792				mg/L
	Rh	103	283206.284	-5921.962				mg/L
	Pb	208	2546727.381	7.232	0.062868	0.001	1.394	mg/L
>	Bi	209	352084.813	352084.813				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.823
	Rh	102.905	
	Pb	207.977	
>	Bi	208.980	97.367

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	281516.639	21184.911		mg/L
Cu	63	260664.549	0.588	0.027868	mg/L
Cu	65	126801.193	0.286	0.027687	mg/L
Zn	66	236731.758	0.534	0.087732	mg/L
Zn	68	199097.275	0.445	0.086340	mg/L
Ge	72	442474.533	442474.533		mg/L
Rh	103	284163.508	-4964.739		mg/L
Pb	208	2503339.108	7.118	0.061872	mg/L
Bi	209	351655.837	351655.837		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	240031.185	-300.542		mg/L
Cu	63	262619.533	0.615	0.029108	mg/L
Cu	65	127768.301	0.299	0.028900	mg/L
Zn	66	242173.880	0.567	0.087745	mg/L
Zn	68	206008.310	0.478	0.092878	mg/L
Ge	72	426824.984	426824.984		mg/L
Rh	103	285015.697	-4112.350		mg/L
Pb	208	2572559.698	7.272	0.063210	mg/L
Bi	209	353734.101	353734.101		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	239636.050	-695.877		mg/L
Cu	63	260222.032	0.594	0.028154	mg/L
Cu	65	127961.229	0.292	0.028254	mg/L

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Zn	66	243740.592	0.557	0.086206	mg/L
Zn	68	205280.674	0.465	0.090126	mg/L
Ge	72	437241.848	437241.848		mg/L
Rh	103	280439.449	-8688.797		mg/L
Pb	208	2564283.338	7.306	0.063522	mg/L
Bi	209	350864.500	350864.500		mg/L

09824

Sample Information

Sample ID: 1001142-03
Autosampler Position: 50
Sample Date/Time: Monday, January 25, 2010 13:39:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001142-03.058
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	251128.019	10796.291				mg/L
[	Cu	63	104515.729	0.239	0.011298	0.000	0.836	mg/L
|	Cu	65	51076.225	0.117	0.011264	0.000	0.675	mg/L
|	Zn	66	240681.105	0.550	0.085200	0.001	1.463	mg/L
|	Zn	68	206904.298	0.469	0.090931	0.002	2.213	mg/L
[>	Ge	72	436865.678	436865.678				mg/L
	Rh	103	291725.761	2597.515				mg/L
[	Pb	208	1847569.088	5.326	0.046293	0.001	1.675	mg/L
[>	Bi	209	346842.207	346842.207				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
[	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
[>	Ge	71.922	99.130
	Rh	102.905	
[	Pb	207.977	
[>	Bi	208.980	95.918

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	258918.341	18586.813		mg/L
Cu	63	105049.014	0.239	0.011299	mg/L
Cu	65	50987.897	0.116	0.011184	mg/L
Zn	66	237838.625	0.541	0.083770	mg/L
Zn	68	202088.339	0.457	0.088608	mg/L
Ge	72	439045.061	439045.061		mg/L
Rh	103	288678.834	449.412		mg/L
Pb	208	1803530.561	5.229	0.045452	mg/L
Bi	209	344861.488	344861.488		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	248025.302	5693.574		mg/L
Cu	63	103527.131	0.237	0.011203	mg/L
Cu	65	51063.480	0.117	0.011274	mg/L
Zn	66	242051.396	0.554	0.085775	mg/L
Zn	68	209404.435	0.475	0.092136	mg/L
Ge	72	436391.984	436391.984		mg/L
Rh	103	290764.519	1636.273		mg/L
Pb	208	1846199.166	5.343	0.046445	mg/L
Bi	209	345475.143	345475.143		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	248440.413	8108.685		mg/L
Cu	63	104971.040	0.241	0.011392	mg/L
Cu	65	51197.299	0.117	0.011335	mg/L

Zn	66	242153.294	0.556	0.086054	mg/L
Zn	68	208820.119	0.475	0.092050	mg/L
Ge	72	435158.989	435158.989		mg/L
Rh	103	295733.931	6605.684		mg/L
Pb	208	1892977.536	5.405	0.046981	mg/L
Bi	209	350189.997	350189.997		mg/L

Sample Information

Sample ID: 1001142-04
Autosampler Position: 51
Sample Date/Time: Monday, January 25, 2010 13:42:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001142-04.059
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	246436.039	6104.312				mg/L
⌈	Cu	63	155989.754	0.361	0.017116	0.000	2.229	mg/L
|	Cu	65	76802.751	0.178	0.017196	0.000	2.156	mg/L
|	Zn	66	220056.791	0.510	0.078976	0.002	2.052	mg/L
⌊	Zn	68	189300.221	0.435	~~0.084291~~	0.002	2.017	mg/L
I>	Ge	72	430894.461	430894.461				mg/L
	Rh	103	275277.217	-13851.029				mg/L
⌈	Pb	208	2256089.251	6.412	0.055741	0.001	1.736	mg/L
I>	Bi	209	351776.157	351776.157				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
⌊	Zn	67.925	
I>	Ge	71.922	97.775
	Rh	102.905	
⌈	Pb	207.977	
I>	Bi	208.980	97.282

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	255692.981	15361.253		mg/L
Cu	63	154743.041	0.353	0.016729	mg/L
Cu	65	76024.970	0.173	0.016771	mg/L
Zn	66	218655.628	0.498	0.077324	mg/L
Zn	68	188039.727	0.425	0.082484	mg/L
Ge	72	437226.051	437226.051		mg/L
Rh	103	274425.051	-14703.195		mg/L
Pb	208	2208133.423	6.285	0.054629	mg/L
Bi	209	351309.683	351309.683		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	243144.549	2812.821		mg/L
Cu	63	155314.532	0.362	0.017126	mg/L
Cu	65	77577.192	0.181	0.017456	mg/L
Zn	66	223353.838	0.520	0.080582	mg/L
Zn	68	186891.681	0.438	0.084529	mg/L
Ge	72	428696.503	428696.503		mg/L
Rh	103	276783.170	-12345.078		mg/L
Pb	208	2268066.210	6.465	0.056198	mg/L
Bi	209	350773.798	350773.798		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	240470.589	138.861		mg/L
Cu	63	157911.688	0.369	0.017492	mg/L
Cu	65	76806.091	0.180	0.017360	mg/L

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Zn	66	218160.908	0.510	0.079043	mg/L
Zn	68	190969.255	0.443	0.085860	mg/L
Ge	72	426760.830	-426760.830		mg/L
Rh	103	274623.430	-14504.818		mg/L
Pb	208	2282068.119	6.488	0.056395	mg/L
Bi	209	353244.991	353244.991		mg/L

00828

Sample Information

Sample ID: 1001177-05
Autosampler Position: 52
Sample Date/Time: Monday, January 25, 2010 13:44:49
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001177-05.060
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	249907.704	9575.976				mg/L
[	Cu	63	226011.288	0.510	0.024169	0.000	0.468	mg/L
|	Cu	65	111365.006	0.251	0.024305	0.000	1.438	mg/L
|	Zn	66	134606.511	0.304	0.047008	0.001	1.390	mg/L
|	Zn	68	114694.736	0.255	0.049379	0.000	0.253	mg/L
[>	Ge	72	442274.208	442274.208				mg/L
	Rh	103	291118.184	1989.938				mg/L
[	Pb	208	1698455.140	4.778	0.041532	0.001	1.846	mg/L
[>	Bi	209	355471.925	355471.925				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
[	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
[>	Ge	71.922	100.357
	Rh	102.905	
[	Pb	207.977	
[>	Bi	208.980	98.304

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	260898.710	20568.983		mg/L
Cu	63	226744.620	0.512	0.024240	mg/L
Cu	65	110581.965	0.250	0.024125	mg/L
Zn	66	132967.748	0.300	0.046416	mg/L
Zn	68	114558.177	0.254	0.049302	mg/L
Ge	72	442425.004	442425.004		mg/L
Rh	103	292458.286	3330.040		mg/L
Pb	208	1680643.702	4.701	0.040862	mg/L
Bi	209	357458.101	357458.101		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	246898.578	6566.848		mg/L
Cu	63	223467.835	0.506	0.024039	mg/L
Cu	65	112549.057	0.256	0.024708	mg/L
Zn	66	135811.081	0.308	0.047709	mg/L
Zn	68	113866.791	0.254	0.049311	mg/L
Ge	72	439678.065	439678.065		mg/L
Rh	103	286543.998	-2584.248		mg/L
Pb	208	1707850.015	4.759	0.041365	mg/L
Bi	209	356822.832	356822.832		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	241925.826	1594.098		mg/L
Cu	63	227821.409	0.512	0.024229	mg/L
Cu	65	110983.997	0.249	0.024083	mg/L

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Zn	66	135040.705	0.303	0.046898	mg/L
Zn	68	115659.241	0.255	0.049523	mg/L
Ge	72	444721.556	444721.556		mg/L
Rh	103	294352.268	5224.022		mg/L
Pb	208	1706871.704	4.874	0.042368	mg/L
Ir	209	350134.741	350134.741		mg/L

02839

Sample Information

Sample ID: 1000390-MS1
Autosampler Position: 53
Sample Date/Time: Monday, January 25, 2010 13:47:16
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1000390-MS1.061
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	250536.906	10205.178				mg/L
⌈	Cu	63	447156.361	1.006	0.047666	0.000	0.908	mg/L
|	Cu	65	217524.787	0.489	0.047318	0.001	2.099	mg/L
|	Zn	66	206366.416	0.464	0.071860	0.001	1.422	mg/L
⌊	Zn	68	174194.273	0.388	0.075168	0.002	3.160	mg/L
⌊>	Ge	72	444014.957	444014.957				mg/L
	Rh	103	289958.384	830.138				mg/L
⌈	Pb	208	2487094.785	7.071	0.061463	0.001	2.121	mg/L
⌊>	Bi	209	351802.949	351802.949				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
⌊	Zn	67.925	
⌊>	Ge	71.922	100.752
	Rh	102.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	97.289

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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	256906.471	16574.743		mg/L
Cu	63	451556.891	1.007	0.047708	mg/L
Cu	65	224686.006	0.501	0.048451	mg/L
Zn	66	205043.950	0.457	0.070760	mg/L
Zn	68	170104.271	0.375	0.072722	mg/L
Ge	72	447965.603	447965.603		mg/L
Rh	103	286900.974	-2227.272		mg/L
Pb	208	2470103.444	7.031	0.061119	mg/L
Bi	209	351262.766	351262.766		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	249946.474	9614.746		mg/L
Cu	63	445161.122	1.015	0.048076	mg/L
Cu	65	212833.723	0.485	0.046911	mg/L
Zn	66	206311.681	0.470	0.072781	mg/L
Zn	68	172275.212	0.388	0.075315	mg/L
Ge	72	438246.629	438246.629		mg/L
Rh	103	288626.052	-502.184		mg/L
Pb	208	2497010.131	6.944	0.060366	mg/L
Bi	209	359521.084	359521.084		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	244757.773	4426.045		mg/L
Cu	63	444751.070	0.997	0.047214	mg/L
Cu	65	215052.833	0.482	0.046593	mg/L

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Zn	66	207743.617	0.465	0.072037	mg/L
Zn	68	180203.336	0.400	0.077466	mg/L
Ge	72	445832.638	445832.638		mg/L
Rh	103	294348.126	5219.880		mg/L
Pb	208	2494170.779	7.236	0.062904	mg/L
Bi	209	344624.997	344624.997		mg/L

Sample Information

Sample ID: 1000390-MSD1
Autosampler Position: 54
Sample Date/Time: Monday, January 25, 2010 13:49:44
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1000390-MSD1.062
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	257795.660	17463.932				mg/L
[	Cu	63	375788.361	0.833	0.039464	0.000	1.053	mg/L
|	Cu	65	184012.003	0.408	0.039442	0.001	1.869	mg/L
|	Zn	66	176858.892	0.392	0.060668	0.002	3.182	mg/L
|	Zn	68	149946.263	0.328	0.063628	0.002	2.696	mg/L
[>	Ge	72	450660.881	450660.881				mg/L
	Rh	103	293010.369	3882.123				mg/L
[	Pb	208	2047730.554	5.611	0.048776	0.001	2.741	mg/L
[>	Bi	209	364970.236	364970.236				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
[	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
[>	Ge	71.922	102.260
	Rh	102.905	
[	Pb	207.977	
[>	Bi	208.980	100.931

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	268855.801	28524.073		mg/L
Cu	63	378247.472	0.824	0.039008	mg/L
Cu	65	183450.068	0.399	0.038611	mg/L
Zn	66	173754.467	0.378	0.058518	mg/L
Zn	68	148046.963	0.318	0.061654	mg/L
Ge	72	458859.075	458859.075		mg/L
Rh	103	295444.944	6316.697		mg/L
Pb	208	2018021.728	5.435	0.047247	mg/L
Bi	209	370852.923	370852.923		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	254395.141	14063.413		mg/L
Cu	63	374530.054	0.835	0.039563	mg/L
Cu	65	185620.361	0.414	0.040018	mg/L
Zn	66	180424.037	0.402	0.062246	mg/L
Zn	68	151033.878	0.332	0.064466	mg/L
Ge	72	447979.311	447979.311		mg/L
Rh	103	291162.048	2033.801		mg/L
Pb	208	2062019.385	5.720	0.049720	mg/L
Bi	209	360448.911	360448.911		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	250138.038	9804.310		mg/L
Cu	63	374587.555	0.841	0.039822	mg/L
Cu	65	182965.583	0.411	0.039697	mg/L

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Zn	66	176398.171	0.395	0.061243	mg/L
Zn	68	150757.947	0.334	0.084782	mg/L
Ge	72	445144.258	445144.258		mg/L
Rh	103	29242.4.117	3295.871		mg/L
Pb	208	2065150.549	5.679	0.049363	mg/L
Bi	209	363608.875	363608.875		mg/L

Sample Information

Sample ID: 0A25028-SRD3
Autosampler Position: 55
Sample Date/Time: Monday, January 25, 2010 13:52:09
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-SRD3.063
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	246708.803	6377.076				mg/L
[	Cu	63	48349.676	0.111	0.005280	0.000	2.239	mg/L
|	Cu	65	23734.990	0.055	0.005286	0.000	2.354	mg/L
|	Zn	66	28623.366	0.066	0.010156	0.000	3.332	mg/L
|	Zn	68	26048.576	0.056	0.010817	0.000	2.341	mg/L
[>	Ge	72	431102.930	431102.930				mg/L
	Rh	103	295561.823	6433.577				mg/L
[	Pb	208	356937.019	1.034	0.008985	0.000	1.434	mg/L
[>	Bi	209	345065.075	345065.075				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
[	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
[>	Ge	71.922	97.822
	Rh	102.905	
[	Pb	207.977	
[>	Bi	208.980	95.426

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	255715.681	15383.933		mg/L
Cu	63	48247.749	0.109	0.005144	mg/L
Cu	65	23670.607	0.053	0.005146	mg/L
Zn	66	28206.839	0.063	0.009765	mg/L
Zn	68	26114.114	0.055	0.010569	mg/L
Ge	72	441401.819	441401.819		mg/L
Rh	103	299722.749	10594.503		mg/L
Pb	208	355634.875	1.019	0.008857	mg/L
Bi	209	348734.821	348734.821		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	243517.200	3185.472		mg/L
Cu	63	48072.740	0.113	0.005347	mg/L
Cu	65	23733.987	0.056	0.005384	mg/L
Zn	66	28836.404	0.067	0.010349	mg/L
Zn	68	26139.192	0.057	0.011075	mg/L
Ge	72	423153.651	423153.651		mg/L
Rh	103	294116.145	4987.898		mg/L
Pb	208	355952.772	1.033	0.008983	mg/L
Bi	209	344158.287	344158.287		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	240893.549	561.822		mg/L
Cu	63	48728.539	0.113	0.005349	mg/L
Cu	65	23800.178	0.055	0.005328	mg/L

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Zn	66	29026.755	0.067	0.010353	mg/L
Zn	68	25892.421	0.056	0.010807	mg/L
Ge	72	*426753.316*	*426753.316*		mg/L
In	103	292846.575	3716.329		mg/L
Pb	208	359223.610	1.049	0.009115	mg/L
Bi	209	342302.116	342302.116		mg/L

90836

Sample Information

Sample ID: 1000390-PS2
Autosampler Position: 56
Sample Date/Time: Monday, January 25, 2010 13:54:30
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1000390-PS2.064
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	248441.137	8109.409				mg/L
[	Cu	63	397745.516	0.912	0.043206	0.001	1.395	mg/L
|	Cu	65	195554.311	0.448	0.043353	0.000	0.806	mg/L
|	Zn	66	182651.070	0.418	0.064806	0.002	2.702	mg/L
|	Zn	68	153193.253	0.347	0.067278	0.001	1.853	mg/L
|>	Ge	72	435678.670	435678.670				mg/L
	Rh	103	286358.599	-2769.647				mg/L
[	Pb	208	2440799.288	6.946	0.060378	0.001	1.890	mg/L
|>	Bi	209	351327.587	351327.587				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
[	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.861
	Rh	102.905	
[	Pb	207.977	
|>	Bi	208.980	97.158

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	258057.231	17725.503		mg/L
Cu	63	398186.040	0.907	0.042949	mg/L
Cu	65	196857.986	0.448	0.043336	mg/L
Zn	66	179349.195	0.406	0.063178	mg/L
Zn	68	151127.556	0.340	0.065882	mg/L
Ge	72	438757.491	438757.491		mg/L
Rh	103	286210.834	-2917.412		mg/L
Pb	208	2373605.931	6.803	0.059137	mg/L
Bi	209	348854.686	348854.686		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	242491.934	2160.206		mg/L
Cu	63	382053.721	0.903	0.042774	mg/L
Cu	65	193170.140	0.445	0.043013	mg/L
Zn	66	187059.012	0.430	0.066658	mg/L
Zn	68	154771.584	0.352	0.068278	mg/L
Ge	72	433772.364	433772.364		mg/L
Rh	103	284456.248	4671.098		mg/L
Pb	208	2458515.881	6.973	0.060817	mg/L
Bi	209	352508.771	352508.771		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	244774.247	4442.519		mg/L
Cu	63	402997.288	0.927	0.043894	mg/L
Cu	65	196634.807	0.452	0.043711	mg/L

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Zn	68	181545.003	0.417	0.064560	mg/L
Zn	68	153680.640	0.349	0.067674	mg/L
Ge	72	434508.156	434508.156		mg/L
Rh	103	288408.716	-719.530		mg/L
Pb	208	2490276.052	7.061	0.061381	mg/L
Bi	209	352619.305	352619.305		mg/L

00836

Sample Information

Sample ID: 1001177-12
Autosampler Position: 57
Sample Date/Time: Monday, January 25, 2010 13:56:51
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001177-12.065
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	251837.439	11505.712				mg/L
[	Cu	63	108177.358	0.251	0.011902	0.000	0.505	mg/L
|	Cu	65	53525.890	0.124	0.012016	0.000	0.885	mg/L
|	Zn	66	133259.370	0.310	0.047946	0.000	0.306	mg/L
|	Zn	68	105776.869	0.242	0.046872	0.001	1.070	mg/L
|>	Ge	72	429285.037	429285.037				mg/L
	Rh	103	294938.762	5810.516				mg/L
|	Pb	208	119495.514	0.346	0.003005	0.000	1.257	mg/L
|>	Bi	209	344814.466	344814.466				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
[	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.410
	Rh	102.905	
[	Pb	207.977	
|>	Bi	208.980	95.357

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	261338.168	21008.440		mg/L
Cu	63	108417.784	0.252	0.011954	mg/L
Cu	65	53907.335	0.125	0.012127	mg/L
Zn	66	132746.257	0.309	0.047863	mg/L
Zn	68	104456.632	0.239	0.046376	mg/L
Ge	72	428376.666	428376.666		mg/L
Rh	103	292531.800	3403.554		mg/L
Pb	208	117389.815	0.342	0.002969	mg/L
Bi	209	342819.762	342819.762		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	246337.322	5005.594		mg/L
Cu	63	107768.696	0.250	0.011836	mg/L
Cu	65	53183.701	0.123	0.011915	mg/L
Zn	66	133985.872	0.311	0.048116	mg/L
Zn	68	105955.390	0.242	0.046361	mg/L
Ge	72	430111.716	430111.716		mg/L
Rh	103	294338.805	5210.559		mg/L
Pb	208	120235.184	0.350	0.003044	mg/L
Bi	209	342467.718	342467.718		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	247836.828	7505.100		mg/L
Cu	63	108325.598	0.252	0.011916	mg/L
Cu	65	53486.833	0.124	0.012004	mg/L

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Zn	66	133045.983	0.309	0.047860	mg/L
Zn	68	106918.585	0.244	0.047379	mg/L
Ge	72	429368.727	429366.727		mg/L
Rh	103	297945.660	8817.434		mg/L
Pb	208	120881.541	0.345	0.003001	mg/L
Bi	209	349155.920	349155.920		mg/L

00848

Sample Information

Sample ID: 1001177-12
Autosampler Position: 58
Sample Date/Time: Monday, January 25, 2010 13:59:13
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001177-12.066
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
Li	6	266830.342	26498.614				mg/L
Cu	63	497772.146	1.111	0.052597	0.001	1.105	mg/L
Cu	65	240508.365	0.537	0.051867	0.000	0.874	mg/L
Zn	66	603095.740	1.345	0.208386	0.003	1.243	mg/L
Zn	68	483148.577	1.074	0.208212	0.004	1.965	mg/L
Ge	72	447968.250	447968.250				mg/L
Rh	103	292127.451	2999.205				mg/L
Pb	208	535024.245	1.503	0.013061	0.000	2.914	mg/L
Bi	209	355917.887	355917.887				mg/L

QC Calculated Values

Analyte	Mass	Int Std % Recovery
Li	6.015	
Cu	62.930	
Cu	64.928	
Zn	65.926	
Zn	67.925	
Ge	71.922	101.649
Rh	102.905	
Pb	207.977	
Bi	208.980	98.427

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	281054.669	40722.942		mg/L
Cu	63	494296.277	1.109	0.052512	mg/L
Cu	65	239417.911	0.537	0.051911	mg/L
Zn	66	594151.614	1.333	0.206412	mg/L
Zn	68	471574.387	1.054	0.204317	mg/L
Ge	72	445535.351	445535.351		mg/L
Rh	103	290040.940	912.694		mg/L
Pb	208	522069.802	1.457	0.012668	mg/L
Bi	209	358024.667	358024.667		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	260107.538	19775.811		mg/L
Cu	63	501572.372	1.124	0.053216	mg/L
Cu	65	241508.989	0.541	0.052296	mg/L
Zn	66	609065.841	1.364	0.211318	mg/L
Zn	68	490964.698	1.096	0.212474	mg/L
Ge	72	446122.555	446122.555		mg/L
Rh	103	293833.428	4705.180		mg/L
Pb	208	538176.073	1.506	0.013088	mg/L
Bi	209	357230.650	357230.650		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	259328.817	18997.089		mg/L
Cu	63	497447.787	1.099	0.052063	mg/L
Cu	65	240598.195	0.532	0.051393	mg/L

Zn	66	606068 764	1.339	0 207429	mg/L
Zn	68	486906 648	1 072	0 207844	mg/L
Ge	72	452246 844	452246 844		mg/L
Rh	103	292507 988	3379.740		mg/L
Pb	208	544826 859	1 545	0 013428	mg/L
Bi	209	352498 344	352498 344		mg/L

00842

Sample Information

Sample ID: 0A25028-CCV
Autosampler Position: 2
Sample Date/Time: Monday, January 25, 2010 14:01:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCV.067
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	249190.646	8858.918				mg/L
[	Cu	63	366241.077	0.850	0.040259	0.001	1.850	mg/L
|	Cu	65	177012.685	0.411	0.039712	0.001	1.423	mg/L
|	Zn	66	110666.926	0.256	0.039681	0.000	1.259	mg/L
|	Zn	68	90564.765	0.206	0.039892	0.001	2.203	mg/L
[>	Ge	72	430521.683	430521.683				mg/L
	Rh	103	288578.601	-549.645				mg/L
[	Pb	208	1488952.322	4.432	0.038522	0.001	2.537	mg/L
[>	Bi	209	335985.808	335985.808				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
[	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
[>	Ge	71.922	97.690
	Rh	102.905	
[	Pb	207.977	
[>	Bi	208.980	92.915

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	260977.110	20645.382		mg/L
Cu	63	373450.164	0.868	0.041116	mg/L
Cu	65	179483.032	0.417	0.040329	mg/L
Zn	66	108942.567	0.253	0.039123	mg/L
Zn	68	88999.817	0.202	0.039243	mg/L
Ge	72	429838.125	429838.125		mg/L
Rh	103	286380.518	-2747.728		mg/L
Pb	208	1461981.417	4.316	0.037514	mg/L
Bi	209	338688.767	338688.767		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	247487.076	7135.349		mg/L
Cu	63	368121.710	0.840	0.039769	mg/L
Cu	65	177878.151	0.406	0.039219	mg/L
Zn	66	113040.649	0.257	0.039637	mg/L
Zn	68	91366.043	0.204	0.039540	mg/L
Ge	72	438034.920	438034.920		mg/L
Rh	103	290272.810	1144.564		mg/L
Pb	208	1503873.823	4.439	0.038568	mg/L
Bi	209	338725.287	338725.287		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	238127.753	-1203.975		mg/L
Cu	63	357151.357	0.842	0.039891	mg/L
Cu	65	173878.873	0.410	0.039589	mg/L

99843

Zn	66	110017.562	0.259	0.040085	mg/L
Zn	68	91328.836	0.211	0.040892	mg/L
Ge	72	423692.002	423692.002		mg/L
Rh	103	289082.475	-45.771		mg/L
Pb	208	1501021.728	4.540	0.039466	mg/L
Bi	209	330545.368	330545.368		mg/L

Sample Information

Sample ID: 0A25028-CCB

Autosampler Position: 1
Sample Date/Time: Monday, January 25, 2010 14:04:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCB.068
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
Li	6	241364.167	1032.439				mg/L
Cu	63	385.013	0.000	0.000011	0.000	10.925	mg/L
Cu	65	211.005	0.000	0.000011	0.000	16.354	mg/L
Zn	66	320.676	-0.000	-0.000011	0.000	5.177	mg/L
Zn	68	1947.580	0.000	0.000018	0.000	121.459	mg/L
> Ge	72	410634.054	410634.054				mg/L
Rh	103	280266.667	-8861.579				mg/L
Pb	208	508.678	0.001	0.000006	0.000	23.678	mg/L
> Bi	209	323795.216	323795.216				mg/L

QC Calculated Values

Analyte	Mass	Int Std % Recovery
Li	6.015	
Cu	62.930	
Cu	64.928	
Zn	65.926	
Zn	67.925	
> Ge	71.922	93.178
Rh	102.905	
Pb	207.977	
> Bi	208.980	89.544

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	250254.518	9922.780		mg/L
Cu	63	377.012	0.000	0.000010	mg/L
Cu	65	204.605	0.000	0.000003	mg/L
Zn	66	322.009	-0.000	-0.000011	mg/L
Zn	68	1962.251	0.000	0.000021	mg/L
Ge	72	412371.698	412371.698		mg/L
Rh	103	281619.264	-7508.982		mg/L
Pb	208	567.013	0.001	0.000007	mg/L
Bi	209	326868.479	326868.479		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	737544.406	-2787.321		mg/L
Cu	63	382.013	0.000	0.000011	mg/L
Cu	65	218.005	0.000	0.000013	mg/L
Zn	66	321.009	-0.000	-0.000011	mg/L
Zn	68	1891.233	-0.000	-0.000005	mg/L
Ge	72	409082.348	409082.348		mg/L
Rh	103	277473.577	-11854.669		mg/L
Pb	208	505.011	0.001	0.000006	mg/L
Bi	209	323460.251	323460.251		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	236293.577	-4038.151		mg/L
Cu	63	396.013	0.000	0.000012	mg/L
Cu	65	211.005	0.000	0.000011	mg/L

90845

Zn	66	319.009	-0.000	-0.000012	mg/L
Zn	68	1989.257	0.000	0.000038	mg/L
Ge	72	410448.118	410448.118		mg/L
Rh	103	261707.162	-7421.084		mg/L
Pb	208	454.009	0.001	0.000005	mg/L
Bi	209	321056.917	321056.917		mg/L

00845

Sample Information

Sample ID: 1001177-13
Autosampler Position: 59
Sample Date/Time: Monday, January 25, 2010 14:06:34
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001177-13.069
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	248188.758	7857.030				mg/L
[	Cu	63	306280.076	0.709	0.033592	0.001	2.066	mg/L
|	Cu	65	149287.927	0.346	0.033415	0.000	1.307	mg/L
|	Zn	66	152114.129	0.352	0.054477	0.001	1.234	mg/L
|	Zn	68	127589.736	0.291	0.056438	0.001	1.154	mg/L
[>	Ge	72	431418.206	431418.206				mg/L
	Rh	103	287289.784	-1838.462				mg/L
[	Pb	208	2832821.028	8.017	0.069689	0.001	1.736	mg/L
[>	Bi	209	353289.942	353289.942				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
[	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
[>	Ge	71.922	97.894
	Rh	102.905	
[	Pb	207.977	
[>	Bi	208.980	97.701

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	258316.070	17984.342		mg/L
Cu	63	302105.539	0.701	0.033204	mg/L
Cu	65	147850.519	0.343	0.033163	mg/L
Zn	66	145634.966	0.347	0.053703	mg/L
Zn	68	125765.153	0.287	0.055741	mg/L
Ge	72	430495.811	430495.811		mg/L
Rh	103	286281.190	2847.056		mg/L
Pb	208	2762409.383	7.861	0.068332	mg/L
Bi	209	351370.155	351370.155		mg/L

Repeat 2

Analyte	Mass	Meas Intensity	Net Intensity	Concentration	Report Unit
Li	6	244502.437	4170.709		mg/L
Cu	63	312637.623	0.726	0.034393	mg/L
Cu	65	151081.735	0.351	0.033920	mg/L
Zn	66	152856.684	0.355	0.054911	mg/L
Zn	68	127432.210	0.292	0.056543	mg/L
Ge	72	430106.455	430106.455		mg/L
Rh	103	286604.010	-2524.236		mg/L
Pb	208	2855620.091	8.062	0.070082	mg/L
Bi	209	354156.490	354156.490		mg/L

Repeat 3

Analyte	Mass	Meas Intensity	Net Intensity	Concentration	Report Unit
Li	6	241747.768	1416.040		mg/L
Cu	63	304087.065	0.701	0.033179	mg/L
Cu	65	148931.525	0.343	0.033163	mg/L

20847

Zn	66	153850.737	0.354	0.054816	mg/L
Zn	68	129571.847	0.294	0.057030	mg/L
Ga	72	433652.353	433652.353		mg/L
Rh	103	288984.151	-144.095		mg/L
Pb	208	2680433.610	8.128	0.070654	mg/L
Bi	209	354343.182	354343.182		mg/L

Sample Information

Sample ID: 1001254-04
Autosampler Position: 60
Sample Date/Time: Monday, January 25, 2010 14:08:57
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001254-04.070
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	246944.582	6612.855				mg/L
[	Cu	63	156508.575	0.366	0.017334	0.000	1.145	mg/L
|	Cu	65	77101.134	0.180	0.017425	0.000	1.176	mg/L
|	Zn	66	139992.360	0.327	0.050666	0.001	1.719	mg/L
|	Zn	68	113745.874	0.262	0.050768	0.001	1.200	mg/L
|>	Ge	72	426845.380	426845.380				mg/L
	Rh	103	284329.117	-4799.129				mg/L
[	Pb	208	543963.292	1.568	0.013633	0.000	0.509	mg/L
|>	Bi	209	346637.900	346637.900				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.856
	Rh	102.905	
[	Pb	207.977	
|>	Bi	208.980	95.861

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	254576.558	14244.831		mg/L
Cu	63	156576.839	0.367	0.017401	mg/L
Cu	65	77217.875	0.181	0.017512	mg/L
Zn	66	137204.645	0.322	0.049828	mg/L
Zn	68	112415.268	0.260	0.050340	mg/L
Ge	72	425350.378	425350.378		mg/L
Rh	103	282518.970	-6608.276		mg/L
Pb	208	535510.723	1.561	0.013569	mg/L
Bi	209	342853.092	342853.092		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	243283.519	2951.791		mg/L
Cu	63	156294.612	0.361	0.017111	mg/L
Cu	65	76954.452	0.178	0.017191	mg/L
Zn	66	141443.680	0.327	0.050604	mg/L
Zn	68	114465.921	0.260	0.050498	mg/L
Ge	72	431783.968	431783.968		mg/L
Rh	103	285648.002	-3480.244		mg/L
Pb	208	546383.738	1.577	0.013707	mg/L
Bi	209	346302.449	346302.449		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	242973.670	2641.942		mg/L
Cu	63	156654.275	0.369	0.017190	mg/L
Cu	65	77131.076	0.182	0.017573	mg/L

66849

Zn	66	141328.753	0.333	0.051566	mg/L
Zn	68	114356.432	0.265	0.051465	mg/L
Ge	72	423401.793	423401.793		mg/L
Rh	103	284820.377	-4307.868		mg/L
Pb	208	540895.414	1.587	0.013822	mg/L
Bi	209	350758.159	350758.159		mg/L

00850

Sample Information

Sample ID: 1001254-07
Autosampler Position: 61
Sample Date/Time: Monday, January 25, 2010 14:11:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001254-07.071
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	253613.940	13282.212				mg/L
	Cu	63	139656.284	0.315	0.014926	0.000	0.739	mg/L
	Cu	65	69034.161	0.156	0.015055	0.000	1.196	mg/L
	Zn	66	99482.871	0.224	0.034715	0.001	2.598	mg/L
	Zn	68	82926.072	0.183	0.035461	0.000	0.668	mg/L
>	Ge	72	442162.689	442162.689				mg/L
	Rh	103	295500.031	6371.785				mg/L
	Pb	208	149041.502	0.425	0.003698	0.000	2.568	mg/L
>	Bi	209	349661.541	349661.541				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.332
	Rh	102.905	
	Pb	207.977	
>	Bi	208.980	96.697

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	261371.179	21039.452		mg/L
Cu	63	140318.892	0.317	0.015022	mg/L
Cu	65	68480.909	0.155	0.014959	mg/L
Zn	66	96700.787	0.218	0.033797	mg/L
Zn	68	82163.885	0.181	0.035168	mg/L
Ge	72	441417.625	441417.625		mg/L
Rh	103	297823.423	8695.177		mg/L
Pb	208	146681.677	0.413	0.003591	mg/L
Bi	209	354260.787	354260.787		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	250568.694	10234.968		mg/L
Cu	63	138252.766	0.313	0.014806	mg/L
Cu	65	68360.085	0.155	0.014942	mg/L
Zn	66	101804.061	0.230	0.035600	mg/L
Zn	68	83085.969	0.184	0.035805	mg/L
Ge	72	441268.003	441268.003		mg/L
Rh	103	293438.879	4310.633		mg/L
Pb	208	150178.104	0.429	0.003730	mg/L
Bi	209	349260.155	349260.155		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	248903.946	8572.219		mg/L
Cu	63	140397.195	0.316	0.014950	mg/L
Cu	65	70241.489	0.158	0.015262	mg/L

20851

Zn	66	99943.748	0.224	0.034747	mg/L
Zn	68	83528.363	0.184	0.035590	mg/L
Ge	72	443802.440	443802.440		mg/L
Rh	103	295237.791	8109.544		mg/L
Pb	208	150264.725	0.434	0.003773	mg/L
Bi	209	345463.682	345463.682		mg/L

00852

Sample Information

Sample ID: 1001254-08
Autosampler Position: 62
Sample Date/Time: Monday, January 25, 2010 14:13:45
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001254-08.072
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	262411.400	22079.673				mg/L
[	Cu	63	150054.877	0.345	0.016349	0.000	0.480	mg/L
|	Cu	65	73334.341	0.169	0.016305	0.000	1.585	mg/L
|	Zn	66	99607.975	0.229	0.035431	0.001	2.365	mg/L
|	Zn	68	81165.589	0.182	0.035377	0.001	2.353	mg/L
[>	Ge	72	433815.913	433815.913				mg/L
	Rh	103	292710.009	3581.763				mg/L
[	Pb	208	106069.820	0.301	0.002621	0.000	1.198	mg/L
[>	Bi	209	350807.509	350807.509				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
[	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
[>	Ge	71.922	98.438
	Rh	102.905	
[	Pb	207.977	
[>	Bi	208.980	97.014

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	274600.699	34268.971		mg/L
Cu	63	150781.547	0.345	0.016363	mg/L
Cu	65	73179.840	0.168	0.016204	mg/L
Zn	66	97441.348	0.223	0.034516	mg/L
Zn	68	79403.289	0.178	0.034443	mg/L
Ge	72	435570.634	435570.634		mg/L
Rh	103	299526.891	10398.845		mg/L
Pb	208	105812.976	0.298	0.002590	mg/L
Bi	209	354421.406	354421.406		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	255544.528	15212.800		mg/L
Cu	63	148024.570	0.343	0.016264	mg/L
Cu	65	74032.128	0.172	0.016599	mg/L
Zn	66	99283.922	0.230	0.035614	mg/L
Zn	68	81968.978	0.186	0.036043	mg/L
Ge	72	430180.115	430180.115		mg/L
Rh	103	284750.033	-4378.213		mg/L
Pb	208	104618.086	0.301	0.002619	mg/L
Bi	209	346172.201	346172.201		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	257088.973	16757.246		mg/L
Cu	63	151348.514	0.347	0.016419	mg/L
Cu	65	72791.256	0.167	0.016113	mg/L

00853

Zn	66	102096 655	0 233	0 036162	mg/L
Zn	68	82124 499	0.184	0.035844	mg/L
Ge	72	435696 991	435696 991		mg/L
Rh	103	293853 102	4724 856		mg/L
Pb	208	107678 397	0 305	0 002653	mg/L
Bi	209	351828 920	351828 920		mg/L

0985

Sample Information

Sample ID: 1001254-10
Autosampler Position: 63
Sample Date/Time: Monday, January 25, 2010 14:16:09
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\1001254-10.073
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	250832.392	10500.665				mg/L
[	Cu	63	261999.304	0.600	0.028409	0.000	1.336	mg/L
|	Cu	65	128939.482	0.295	0.028532	0.000	0.689	mg/L
|	Zn	66	240133.375	0.550	0.085111 ×2	0.001	0.826	mg/L
|	Zn	68	201238.442	0.457	~~0.088521~~	0.002	2.111	mg/L
[>	Ge	72	436301.606	436301.606				mg/L
	Rh	103	284580.096	-4548.150				mg/L
[	Pb	208	1128408.972	3.208	0.027886	0.000	1.226	mg/L
[>	Bi	209	351649.542	351649.542				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
[	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
[>	Ge	71.922	99.002
	Rh	102.905	
[	Pb	207.977	
[>	Bi	208.980	97.247

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	264738.028	24406.300		mg/L
Cu	63	264435.648	0.609	0.028829	mg/L
Cu	65	129260.057	0.297	0.028759	mg/L
Zn	66	238299.520	0.548	0.084923	mg/L
Zn	68	195647.974	0.446	0.086516	mg/L
Ge	72	433933.435	433933.435		mg/L
Rh	103	282938.866	-6189.380		mg/L
Pb	208	1106807.689	3.166	0.027516	mg/L
Bi	209	349547.852	349547.852		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	244079.296	3747.568		mg/L
Cu	63	260214.812	0.593	0.028090	mg/L
Cu	65	128945.233	0.294	0.028407	mg/L
Zn	66	243391.608	0.555	0.085889	mg/L
Zn	68	207823.572	0.458	0.088834	mg/L
Ge	72	438227.670	438227.670		mg/L
Rh	103	278817.343	-10310.903		mg/L
Pb	208	1128834.534	3.243	0.028191	mg/L
Bi	209	347978.148	347978.148		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	240679.854	3348.126		mg/L
Cu	63	261347.452	0.598	0.028308	mg/L
Cu	65	128613.157	0.294	0.028430	mg/L

00855

Zn	66	238708.998	0.546	0.084521	mg/L
Zn	68	205243.781	0.465	0.090214	mg/L
Ge	72	436743.714	436743.714		mg/L
Rh	103	291984.080	2855.834		mg/L
Pb	208	1149584.692	3.215	0.027950	mg/L
Bi	209	357422.627	357422.627		mg/L

00656

Sample Information

Sample ID: 0A25028-CCV8
Autosampler Position: 2
Sample Date/Time: Monday, January 25, 2010 14:18:33
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCV.074
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	242829.348	2497.620				mg/L
[	Cu	63	370397.881	0.869	0.041169	0.000	1.109	mg/L
|	Cu	65	178359.377	0.419	0.040460	0.000	0.556	mg/L
|	Zn	66	111502.169	0.261	0.040431	0.001	1.301	mg/L
|	Zn	68	90199.095	0.207	0.040177	0.001	1.553	mg/L
[>	Ge	72	425782.594	425782.594				mg/L
	Rh	103	290093.395	965.149				mg/L
[	Pb	208	1523390.268	4.603	0.040011	0.001	2.342	mg/L
[>	Bi	209	330926.936	330926.936				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
[	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
[>	Ge	71.922	96.615
	Rh	102.905	
[	Pb	207.977	
[>	Bi	208.980	91.516

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	255738.280	15404.552		mg/L
Cu	63	375635.176	0.879	0.041654	mg/L
Cu	65	178214.221	0.417	0.040331	mg/L
Zn	66	110406.662	0.258	0.039938	mg/L
Zn	68	89736.463	0.208	0.039666	mg/L
Ge	72	426773.452	426773.452		mg/L
Rh	103	291316.302	2188.058		mg/L
Pb	208	1497241.557	4.491	0.039040	mg/L
Bi	209	333307.201	333307.201		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	236946.799	-3382.929		mg/L
Cu	63	371210.323	0.800	0.040747	mg/L
Cu	65	180020.445	0.417	0.040329	mg/L
Zn	66	112750.758	0.261	0.040374	mg/L
Zn	68	90436.982	0.205	0.039770	mg/L
Ge	72	431120.922	431120.922		mg/L
Rh	103	292288.480	3160.234		mg/L
Pb	208	1556504.160	4.706	0.040910	mg/L
Bi	209	330667.057	330667.057		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	235802.965	-4528.763		mg/L
Cu	63	364348.143	0.868	0.041107	mg/L
Cu	65	176843.466	0.421	0.040720	mg/L

20857

Zn	66	111349.086	0.265	0.040983	mg/L
Zn	68	90423.840	0.211	0.040896	mg/L
Ge	72	419453.407	419453.407		mg/L
Rh	103	286875.405	-2452.842		mg/L
Pb	208	1518425.087	4.811	0.040082	mg/L
Bi	209	328806.551	328806.551		mg/L

00656

Sample Information

Sample ID: 0A25028-CCB

Autosampler Position: 1
Sample Date/Time: Monday, January 25, 2010 14:20:57
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25028.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25028\0A25028-CCB.075
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Li	6	239530.384	-801.344				mg/L
⌈	Cu	63	355.011	0.000	0.000007	0.000	22.909	mg/L
|	Cu	65	199.671	0.000	0.000008	0.000	25.435	mg/L
|	Zn	66	306.675	-0.000	-0.000019	0.000	38.200	mg/L
|	Zn	68	1931.243	-0.000	-0.000009	0.000	387.804	mg/L
⌊>	Ge	72	419746.609	419746.609				mg/L
	Rh	103	286516.135	-2612.111				mg/L
⌈	Pb	208	521.012	0.001	0.000006	0.000	7.801	mg/L
⌊>	Bi	209	329827.885	329827.885				mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Li	6.015	
⌈	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	95.245
	Rh	102.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	91.212

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	246771.904	6440.177		mg/L
Cu	63	368.012	0.000	0.000008	mg/L
Cu	65	195.004	0.000	0.000006	mg/L
Zn	66	291.008	-0.000	-0.000026	mg/L
Zn	68	1901.238	0.000	-0.000031	mg/L
Ge	72	423517.455	423517.455		mg/L
Rh	103	287468.027	-1660.219		mg/L
Pb	208	532.012	0.001	0.000006	mg/L
Bi	209	327691.898	327691.898		mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	234039.260	-8292.468		mg/L
Cu	63	357.011	0.000	0.000007	mg/L
Cu	65	207.005	0.000	0.000010	mg/L
Zn	66	301.008	-0.000	-0.000020	mg/L
Zn	68	2000.260	0.000	0.000032	mg/L
Ge	72	415288.243	415288.243		mg/L
Rh	103	287133.792	-1994.454		mg/L
Pb	208	528.012	0.001	0.000006	mg/L
Bi	209	330653.234	330653.234		mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	237779.986	-2551.741		mg/L
Cu	63	340.010	0.000	0.000005	mg/L
Cu	65	197.004	0.000	0.000007	mg/L

00859

Zn	66	328.010	-0.000	-0.000011	mg/L
Zn	68	1892.234	-0.000	-0.000029	mg/L
Ge	72	420438.128	420436.128		mg/L
Rh	103	284946.585	-4181.661		mg/L
Pb	208	503.011	0.001	0.000005	mg/L
Bi	209	330838.524	330838.524		mg/L

02869

opp SS 1/26

TriMatrix Laboratories, Inc.

Cal ID: OA 26003

due 1/26

Metals Laboratory Instrument Run Sequence

Instrument #: 201

Date: 1/25/10

Analyst: MSM

Data File: OA 25050

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 9110400
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 9110402
11. IFB1 9110403

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					35/51				
2/18					36/52				
3/19					37/53				
4/20					38/54				
5/21					39/55				
6/22					40/56				
7/23					41/57				
8/24					42/58				
9/25					43/59				
10/26	1001177-05				44/60				
11/27	-MS2		1000390 done		45/61				
12/28	-MSD2				46/62				
13/29	-SRD1	0.4	10	25	47/63				
14/30	-PS2	~~0.6~~	MSM	1/25/10	48/64				
15/31	1001177-12				49/65				
16/32	-13				50/66				
17/33	-14				51/67				
18/34	-15				52/68				
19/35	1000579-blk2				53/69				
20/36	-DS2				54/70				
21/37	1001254-03				55/71				
22/38	-04				56/72				
23/39	-05				57/73				
24/40	-06				58/74				
25/41	-07				59/75				
26/42	-08				60/76				
27/43	-09				61/77				
28/44	-MS2				62/78				
29/45	-MSD2				63/79				
30/46	-SRD2	0.4	10	25	64/80				
31/47	-PS2				65/81				
32/48	1001254-10				66/82				
33/49					67/83				
34/50					68/84				

Instrument Tuning Report

File Name: 25JAN2010_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	7.025	1526	2020	0.864	
Co	58.933	58.929	14189	2050	0.852	
In	114.904	114.978	27813	2095	0.854	
Ba	137.905	137.979	33416	2110	0.865	
Ce	139.905	139.979	33903	2115	0.866	
Tl	204.975	205.027	49721	2180	0.833	

Report Date/Time: Monday, January 25, 2010 14:55:11

99662

Daily Performance Report

Sample ID: 9101006
Sample Date/Time: Monday, January 25, 2010 14:55:43
Sample Description:
Method File: c:\elandata\Method\6020A_Daily.mth
Dataset File: c:\elandata\Dataset\default\9101006.4240
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac
Dual Detector Mode: Dual

Acq. Dead Time(ns): 60
Current Dead Time (ns): 60

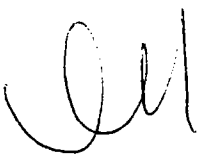
Number of Replicates: 6

Summary

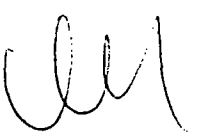
	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Li	7.0	5580.5	5580.536	179.173	3.2
	Co	58.9	174019.0	174018.958	4413.018	2.5
	In	114.9	425272.4	425272.393	3984.896	0.9
	Tl	205.0	270500.8	270500.771	1755.211	0.6
>	Ba	137.9	329627.5	329627.450	3582.988	1.1
	Ba++	69.0	8965.8	0.027	0.000	1.3
>	Ce	139.9	410525.2	410525.172	10439.488	2.5
	CeO	155.9	10454.4	0.025	0.001	4.0
	Bkgd	220.0	12.5	12.500	5.320	42.6

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5928.108	5928.108
Co	59	170795.512	170795.512
In	115	418855.858	418855.858
Tl	205	269321.848	269321.848
Ba	138	323793.524	323793.524
Ba++	69	8648.485	0.027
Ce	140	393337.853	393337.853
CeO	156	10466.569	0.027
Bkgd	220	22.000	22.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5527.833	5527.833
Co	59	171895.791	171895.791
In	115	424909.754	424909.754
Tl	205	273723.846	273723.846
Ba	138	332277.975	332277.975
Ba++	69	9207.083	0.028
Ce	140	413489.049	413489.049
CeO	156	10326.394	0.025
Bkgd	220	8.000	8.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5540.841	5540.841
Co	59	178039.788	178039.788
In	115	426465.312	426465.312
Tl	205	268862.362	268862.362
Ba	138	332070.532	332070.532
Ba++	69	8951.806	0.027
Ce	140	409968.340	409968.340
CeO	156	10188.224	0.025
Bkgd	220	12.000	12.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5447.780	5447.780
Co	59	169513.735	169513.735
In	115	429957.824	429957.824



Tl	205	269972.398	269972.398
Ba	138	333161.582	333161.582
Ba++	69	9128.998	0.027
Ce	140	411568.387	411568.387
CeO	156	10264.317	0.025
Bkgd	220	9.000	9.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5447.780	5447.780
Co	59	173125.865	173125.865
In	115	423047.784	423047.784
Tl	205	269989.953	269989.953
Ba	138	327611.026	327611.026
Ba++	69	8956.811	0.027
Ce	140	425907.639	425907.639
CeO	156	10454.554	0.025
Bkgd	220	15.000	15.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5590.875	5590.875
Co	59	180743.055	180743.055
In	115	428397.828	428397.828
Tl	205	271134.219	271134.219
Ba	138	328850.061	328850.061
Ba++	69	8901.752	0.027
Ce	140	408879.765	408879.765
CeO	156	11026.290	0.027
Bkgd	220	9.000	9.000



Sample/Batch Report

User Name: analystME
Computer Name: ELAN6100_08
Sample File: C:\Elandata\Sample\0A25056.sam
Report Date/Time: Monday, January 25, 2010 14:59:40

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
26		1001177-05		Sample					
27		1000390-MS2		Sample					
28		1000390-MSD2		Sample					
29		0A25056-SRD1		Sample					
30		1000390-PS3		Sample					
31		1001177-12		Sample					
32		1001177-13		Sample					
33		1001177-14		Sample					
34		1001177-15		Sample					
35		1000579-BLK2		Sample					
36		1000579-BS2		Sample					
37		1001254-03		Sample					
38		1001254-04		Sample					
39		1001254-05		Sample					
40		1001254-06		Sample					
41		1001254-07		Sample					
42		1001254-08		Sample					
43		1001254-09		Sample					
44		1000579-MS2		Sample					
45		1000579-MSD2		Sample					
46		0A25056-SRD2		Sample					
47		1000579-PS2		Sample					
48		1001254-10		Sample					

00665

Sample Information

Sample ID: 0A25056-CAL1
Autosampler Position: 1
Sample Date/Time: Monday, January 25, 2010 15:01:16
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CAL1.001
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	411303.145					mg/L
	Be	9	4.333					mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	388147.792			mg/L
Be	9	5.000			mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	422787.784			mg/L
Be	9	2.000			mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	424993.658			mg/L
Be	9	6.000			mg/L

00866

Sample Information

Sample ID: 0A25056-CAL2
Autosampler Position: 3
Sample Date/Time: Monday, January 25, 2010 15:03:12
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CAL2.002
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	414367.127	414367.127				mg/L
	Be	9	96.002	0.000	0.000200	0.000	24.603	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	390938.542	390938.542		mg/L
Be	9	116.002	0.000	0.000257	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	420849.220	420849.220		mg/L
Be	9	84.001	0.000	0.000170	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	431315.621	431315.621		mg/L
Be	9	88.001	0.000	0.000174	mg/L

99867

Sample Information

Sample ID: 0A25056-CAL3
Autosampler Position: 4
Sample Date/Time: Monday, January 25, 2010 15:05:09
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CAL3.003
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
Li	6	411104.552	411104.552				mg/L
Be	9	391.680	0.001	0.000993	0.000	7.079	mg/L

QC Calculated Values

Analyte	Mass	Int Std % Recovery
Li	6.015	
Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	358729.801	358729.801		mg/L
Be	9	399.014	0.001	0.001068	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	417297.071	417297.071		mg/L
Be	9	394.013	0.001	0.000982	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	427286.785	427286.785		mg/L
Be	9	382.013	0.001	0.000929	mg/L

00868

Sample Information

Sample ID: 0A25056-CAL4
Autosampler Position: 5
Sample Date/Time: Monday, January 25, 2010 15:07:08
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CAL4.004
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	418202.426	418202.426				mg/L
	Be	9	3755.551	0.009	0.009994	0.000	0.672	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	398044.502	398044.502		mg/L
Be	9	3579.805	0.009	0.010058	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	431942.887	431942.887		mg/L
Be	9	3881.943	0.009	0.010000	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	426819.879	426819.879		mg/L
Be	9	3804.908	0.008	0.009824	mg/L

90869

Sample Information

Sample ID: 0A25056-CAL5
Autosampler Position: 6
Sample Date/Time: Monday, January 25, 2010 15:09:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CAL5.005
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
Li	6	409594.737	409594.737				mg/L
Be	9	7781.379	0.019	0.020222	0.000	1.167	mg/L

QC Calculated Values

Analyte	Mass	Int Std % Recovery
Li	6.015	
Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	398493.216	398493.216		mg/L
Be	9	7479.430	0.019	0.019981	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	410877.526	410877.526		mg/L
Be	9	7893.816	0.019	0.020452	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	419413.468	419413.468		mg/L
Be	9	7970.890	0.019	0.020732	mg/L

00679

Sample Information

Sample ID: 0A25056-CAL6
Autosampler Position: 7
Sample Date/Time: Monday, January 25, 2010 15:11:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CAL6.006
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	416312.382	416312.382				mg/L
	Be	9	18888.930	0.045	0.049713	0.000	0.698	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	393456.086	393456.086		mg/L
Be	9	17978.548	0.046	0.050050	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	425310.414	425310.414		mg/L
Be	9	19308.536	0.045	0.049732	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	430170.845	430170.845		mg/L
Be	9	19381.708	0.045	0.049358	mg/L

00871

Sample Information

Sample ID: 0A25056-CAL7
Autosampler Position: 8
Sample Date/Time: Monday, January 25, 2010 15:13:08
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CAL7.007
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	416408.515	416408.515				mg/L
	Be	9	37602.734	0.090	0.099774	0.003	2.684	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	392283.793	392283.793		mg/L
Be	9	38453.923	0.093	0.102580	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	419434.488	419434.488		mg/L
Be	9	37607.950	0.090	0.099498	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	437527.281	437527.281		mg/L
Be	9	36546.328	0.088	0.097246	mg/L

00872

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	0.91	0.00	0.999962

Method Equation

Analyte	Mass	Corrections

00873

Sample Information

Sample ID: 0A25056-SCV1
Autosampler Position: 2
Sample Date/Time: Monday, January 25, 2010 15:15:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-SCV1.008
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	409064.037	409064.037				mg/L
	Be	9	14238.973	0.035	0.038417	0.000	0.190	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	99.456
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	393609.084	393609.084		mg/L
Be	9	13725.431	0.035	0.038483	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	409854.453	409854.453		mg/L
Be	9	14264.340	0.035	0.038428	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	423928.593	423928.593		mg/L
Be	9	14727.148	0.035	0.038339	mg/L

Sample Information

Sample ID: 0A25056-CCB
Autosampler Position: 1
Sample Date/Time: Monday, January 25, 2010 15:17:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CCB.009
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	399011.410	399011.410				mg/L
	Be	9	5.333	0.000	0.000003	0.000	110.003	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.012
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	382207.181	382207.181		mg/L
Be	9	6.000	0.000	0.000008	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	408548.739	408548.739		mg/L
Be	9	6.000	0.000	0.000005	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	406278.311	406278.311		mg/L
Be	9	4.000	-0.000	-0.000001	mg/L

00675

Sample Information

Sample ID: 0A25056-CRL1
Autosampler Position: 4
Sample Date/Time: Monday, January 25, 2010 15:19:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CRL1.010
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	407593.397	407593.397				mg/L
	Be	9	382.346	0.001	0.001024	0.000	3.591	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	99.098
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	396528.738	396528.738		mg/L
Be	9	375.012	0.001	0.001032	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	413674.981	413674.981		mg/L
Be	9	400.014	0.001	0.001058	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	412578.472	412578.472		mg/L
Be	9	372.012	0.001	0.000984	mg/L

00875

Sample Information

Sample ID: 0A25056-IFA1
Autosampler Position: 10
Sample Date/Time: Monday, January 25, 2010 15:20:56
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-IFA1.011
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	463648.306	463648.306				mg/L
	Be	9	7.333	0.000	0.000006	0.000	53.467	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	112.727
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	438074.556	438074.556		mg/L
Be	9	6.000	0.000	0.000003	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	475291.954	475291.954		mg/L
Be	9	9.000	0.000	0.000008	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	476576.407	476576.407		mg/L
Be	9	7.000	0.000	0.000005	mg/L

00877

Sample Information

Sample ID: 0A25056-IFB1
Autosampler Position: 11
Sample Date/Time: Monday, January 25, 2010 15:22:51
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-IFB1.012
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	474742.051	474742.051				mg/L
	Be	9	7971.224	0.017	0.018544	0.001	3.495	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	115.424
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	449688.683	449688.683		mg/L
Be	9	7849.774	0.017	0.019260	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	489221.513	489221.513		mg/L
Be	9	7980.900	0.016	0.017997	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	485337.977	485337.977		mg/L
Be	9	8062.998	0.017	0.018374	mg/L

00878

Sample Information

Sample ID: 0A25056-CCV 2
Autosampler Position: 2
Sample Date/Time: Monday, January 25, 2010 15:24:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CCV.013
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	434108.493	434108.493				mg/L
	Be	9	15264.790	0.035	0.038858	0.002	3.906	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	105.545
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	408255.220	408255.220		mg/L
Be	9	15014.684	0.037	0.040589	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	445999.207	445999.207		mg/L
Be	9	15257.108	0.034	0.037753	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	448071.053	448071.053		mg/L
Be	9	15522.598	0.035	0.038133	mg/L

00878

Sample Information

Sample ID: 0A25056-CCB 2
Autosampler Position: 1
Sample Date/Time: Monday, January 25, 2010 15:26:43
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CCB.014
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	415582.854	415582.854				mg/L
	Be	9	8.667	0.000	0.000011	0.000	56.436	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	101.041
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	402663.727	402663.727		mg/L
Be	9	10.000	0.000	0.000018	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	421038.429	421038.429		mg/L
Be	9	10.000	0.000	0.000015	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	423046.408	423046.408		mg/L
Be	9	0.000	0.000	0.000004	mg/L

00669

Sample Information

Sample ID: 1001177-05
Autosampler Position: 26
Sample Date/Time: Monday, January 25, 2010 15:28:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1001177-05.015
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	436976.260	436976.260				mg/L
	Be	9	535.356	0.001	0.001342	0.000	3.923	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	106.242
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	418588.529	418568.529		mg/L
Be	9	532.022	0.001	0.001382	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	450650.753	450650.753		mg/L
Be	9	530.022	0.001	0.001287	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	441709.499	441709.499		mg/L
Be	9	544.023	0.001	0.001348	mg/L

00881

Sample Information

Sample ID: 1000390-MS2
Autosampler Position: 27
Sample Date/Time: Monday, January 25, 2010 15:30:33
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1000390-MS2.016
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	439298.302	439298.302				mg/L
	Be	9	14723.494	0.034	0.036999	0.001	1.615	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	106.806
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	414058.387	414058.387		mg/L
Be	9	14078.019	0.034	0.037517	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	445802.085	445802.085		mg/L
Be	9	14682.068	0.033	0.036348	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	456033.455	456033.455		mg/L
Be	9	15412.393	0.034	0.037135	mg/L

00682

Sample Information

Sample ID: 1000390-MSD2
Autosampler Position: 28
Sample Date/Time: Monday, January 25, 2010 15:32:28
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1000390-MSD2.017
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	429372.723	429372.723				mg/L
	Be	9	14198.236	0.033	0.036501	0.001	1.428	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	104.393
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	429978.638	429978.638		mg/L
Be	9	13845.289	0.033	0.036731	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	435141.036	435141.036		mg/L
Be	9	14536.813	0.033	0.036868	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	442998.294	442998.294		mg/L
Be	9	14412.597	0.033	0.035804	mg/L

00883

Sample Information

Sample ID: 0A25056-SRD1
Autosampler Position: 29
Sample Date/Time: Monday, January 25, 2010 15:34:24
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-SRD1.018
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	420937.813	420937.813				mg/L
	Be	9	117.002	0.000	0.000295	0.000	1.972	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	102.342
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	405081.881	405081.881		mg/L
Be	9	115.002	0.000	0.000302	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	433682.903	433682.903		mg/L
Be	9	120.002	0.000	0.000294	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	423868.656	423868.656		mg/L
Be	9	118.002	0.000	0.000290	mg/L

99884

Sample Information

Sample ID: 1000390-PS3
Autosampler Position: 30
Sample Date/Time: Monday, January 25, 2010 15:36:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1000390-PS3.019
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	429085.610	429085.610				mg/L
	Be	9	7798.393	0.018	0.020053	0.000	0.425	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	104.323
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	418379.848	418379.848		mg/L
Be	9	7600.540	0.018	0.020139	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	435237.805	435237.805		mg/L
Be	9	7909.831	0.018	0.020051	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	435839.077	435839.077		mg/L
Be	9	7884.807	0.018	0.019949	mg/L

00685

Sample Information

Sample ID: 1001177-12
Autosampler Position: 31
Sample Date/Time: Monday, January 25, 2010 15:38:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1001177-12.020
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	468448.282	468448.282				mg/L
	Be	9	627.363	0.001	0.001471	0.000	8.202	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	113.894
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	442798.113	442798.113		mg/L
Be	9	648.032	0.001	0.001606	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	476381.618	476381.618		mg/L
Be	9	622.029	0.001	0.001430	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	458164.114	458164.114		mg/L
Be	9	611.029	0.001	0.001378	mg/L

00885

Sample Information

Sample ID: 1001177-13
Autosampler Position: 32
Sample Date/Time: Monday, January 25, 2010 15:40:15
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1001177-13.021
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
Li	6	437634.904	437634.904				mg/L
Be	9	1194.431	0.003	0.003002	0.000	3.465	mg/L

QC Calculated Values

Analyte	Mass	Int Std % Recovery
Li	6.015	106.402
Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	416928.178	416928.178		mg/L
Be	9	1165.083	0.003	0.003073	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	453908.656	453908.656		mg/L
Be	9	1259.108	0.003	0.003051	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	442069.879	442069.879		mg/L
Be	9	1159.092	0.003	0.002883	mg/L

00867

Sample Information

Sample ID: 1001177-14
Autosampler Position: 33
Sample Date/Time: Monday, January 25, 2010 15:42:13
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1001177-14.022
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	411751.285	411751.285				mg/L
	Be	9	116.002	0.000	0.000299	0.000	16.642	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.109
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	389280.647	389280.647		mg/L
Be	9	107.002	0.000	0.000293	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	421507.285	421507.285		mg/L
Be	9	139.003	0.000	0.000352	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	424465.941	424465.941		mg/L
Be	9	102.002	0.000	0.000254	mg/L

00668

Sample Information

Sample ID: 1001177-15
Autosampler Position: 34
Sample Date/Time: Monday, January 25, 2010 15:44:12
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1001177-15.023
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	391157.491	391157.491				mg/L
	Be	9	150.003	0.000	0.000412	0.000	6.597	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.102
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	371590.731	371590.731		mg/L
Be	9	145.003	0.000	0.000419	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	398549.830	398549.830		mg/L
Be	9	142.003	0.000	0.000382	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	403331.911	403331.911		mg/L
Be	9	163.003	0.000	0.000435	mg/L

99889

Sample Information

Sample ID: 1000579-BLK2
Autosampler Position: 35
Sample Date/Time: Monday, January 25, 2010 15:46:11
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1000579-BLK2.024
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	395077.732	395077.732				mg/L
	Be	9	6.000	0.000	0.000005	0.000	152.579	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	96.055
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	378493.248	378493.248		mg/L
Be	9	9.000	0.000	0.000015	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	401387.368	401387.368		mg/L
Be	9	5.000	0.000	0.000002	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	404372.579	404372.579		mg/L
Be	9	4.000	0.000	0.000001	mg/L

00899

Sample Information

Sample ID: 0A25056-CCV

Autosampler Position: 2
Sample Date/Time: Monday, January 25, 2010 15:48:08
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CCV.025
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	382858.497	382858.497				mg/L
	Be	9	13563.505	0.035	0.039118	0.001	2.048	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	93.084
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	382902.035	382902.035		mg/L
Be	9	13099.418	0.036	0.039836	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	395391.560	395391.560		mg/L
Be	9	13705.398	0.035	0.038254	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	390281.898	390281.898		mg/L
Be	9	13565.898	0.036	0.039285	mg/L

00691

Sample Information

Sample ID: 0A25056-CCB
Autosampler Position: 1
Sample Date/Time: Monday, January 25, 2010 15:50:04
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CCB.026
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
Li	6	380157.159	380157.159				mg/L
Be	9	7.667	0.000	0.000011	0.000	78.237	mg/L

QC Calculated Values

Analyte	Mass	Int Std % Recovery
Li	6.015	92.427
Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	381874.789	381874.789		mg/L
Be	9	7.000	0.000	0.000010	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	384283.494	384283.494		mg/L
Be	9	5.000	0.000	0.000003	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	394313.216	394313.216		mg/L
Be	9	11.000	0.000	0.000019	mg/L

98892

Sample Information

Sample ID: 1000579-BS2
Autosampler Position: 36
Sample Date/Time: Monday, January 25, 2010 15:52:01
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1000579-BS2.027
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	398850.128	398850.128				mg/L
	Be	9	13370.524	0.034	0.037005	0.000	1.158	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	96.972
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	361569.081	361569.081		mg/L
Be	9	12917.132	0.034	0.037328	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	411722.757	411722.757		mg/L
Be	9	13624.284	0.033	0.036519	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	402938.547	402938.547		mg/L
Be	9	13570.176	0.034	0.037187	mg/L

00833

Sample Information

Sample ID: 1001254-03
Autosampler Position: 37
Sample Date/Time: Monday, January 25, 2010 15:54:01
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1001254-03.028
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	407960.837	407960.837				mg/L
	Be	9	236.672	0.001	0.000630	0.000	9.183	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	99.187
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	387752.818	387752.818		mg/L
Be	9	249.008	0.001	0.000687	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	419892.727	419892.727		mg/L
Be	9	231.008	0.001	0.000596	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	416238.868	416238.868		mg/L
Be	9	230.005	0.001	0.000596	mg/L

Sample Information

Sample ID: 1001254-04
Autosampler Position: 38
Sample Date/Time: Monday, January 25, 2010 15:56:01
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1001254-04.029
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	403137.720	403137.720				mg/L
	Be	9	668.700	0.002	0.001821	0.000	4.308	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	98.015
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	383268.288	383268.288		mg/L
Be	9	664.033	0.002	0.001901	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	407439.719	407439.719		mg/L
Be	9	648.032	0.002	0.001744	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	418705.143	418705.143		mg/L
Be	9	694.038	0.002	0.001618	mg/L

00895

Sample Information

Sample ID: 1001254-05
Autosampler Position: 39
Sample Date/Time: Monday, January 25, 2010 15:58:02
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1001254-05.030
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	414097.844	414097.844				mg/L
	Be	9	254.340	0.001	0.000667	0.000	6.011	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.679
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	397940.728	397940.728		mg/L
Be	9	261.007	0.001	0.000712	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	417932.778	417932.778		mg/L
Be	9	252.008	0.001	0.000654	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	426420.028	426420.028		mg/L
Be	9	250.008	0.001	0.000638	mg/L

00896

Sample Information

Sample ID: 1001254-06
Autosampler Position: 40
Sample Date/Time: Monday, January 25, 2010 16:00:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1001254-06.031
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	414451.907	414451.907				mg/L
	Be	9	149.670	0.000	0.000387	0.000	9.095	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.766
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	397564.383	397564.383		mg/L
Be	9	153.003	0.000	0.000413	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	421348.428	421348.428		mg/L
Be	9	137.002	0.000	0.000347	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	424444.909	424444.909		mg/L
Be	9	159.003	0.000	0.000402	mg/L

00887

Sample Information

Sample ID: 1001254-07
Autosampler Position: 41
Sample Date/Time: Monday, January 25, 2010 16:01:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1001254-07.032
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	457730.493	457730.493				mg/L
	Be	9	349.678	0.001	0.000833	0.000	8.070	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	111.288
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	438098.116	438098.116		mg/L
Be	9	383.012	0.001	0.000903	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	466684.818	466684.818		mg/L
Be	9	330.010	0.001	0.000789	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	468398.548	468398.548		mg/L
Be	9	356.011	0.001	0.000827	mg/L

00898

Sample Information

Sample ID: 1001254-08
Autosampler Position: 42
Sample Date/Time: Monday, January 25, 2010 16:03:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1001254-08.033
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	460743.177	460743.177				mg/L
	Be	9	286.008	0.001	0.000674	0.000	7.240	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	112.020
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	436493.079	436493.079		mg/L
Be	9	263.008	0.001	0.000704	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	472401.314	472401.314		mg/L
Be	9	305.008	0.001	0.000701	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	473335.139	473335.139		mg/L
Be	9	270.007	0.001	0.000618	mg/L

00699

Sample Information

Sample ID: 1001254-09
Autosampler Position: 43
Sample Date/Time: Monday, January 25, 2010 16:05:42
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1001254-09.034
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	448297.024	448297.024				mg/L
	Be	9	112.002	0.000	0.000264	0.000	3.337	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	108.994
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	424351.318	424351.318		mg/L
Be	9	108.002	0.000	0.000269	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	457004.180	457004.180		mg/L
Be	9	110.002	0.000	0.000254	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	463535.574	463535.574		mg/L
Be	9	118.002	0.000	0.000269	mg/L

Sample Information

Sample ID: 1000579-MS2
Autosampler Position: 44
Sample Date/Time: Monday, January 25, 2010 16:07:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1000579-MS2.035
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	452787.571	452787.571				mg/L
	Be	9	14917.493	0.033	0.036368	0.001	1.516	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	110.086
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	436027.832	436027.832		mg/L
Be	9	14585.898	0.033	0.036817	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	459820.992	459820.992		mg/L
Be	9	14922.498	0.032	0.035814	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	462514.088	462514.088		mg/L
Be	9	15244.062	0.033	0.036373	mg/L

0591

Sample Information

Sample ID: 1000579-MSD2
Autosampler Position: 45
Sample Date/Time: Monday, January 25, 2010 16:09:33
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\1000579-MSD2.036
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	446148.244	446148.244				mg/L
	Be	9	14765.226	0.033	0.036524	0.000	0.369	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	108.472
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	429124.725	429124.725		mg/L
Be	9	14210.248	0.033	0.036545	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	457655.512	457655.512		mg/L
Be	9	15086.795	0.033	0.036380	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	451684.496	451684.496		mg/L
Be	9	14998.635	0.033	0.036847	mg/L

00902

Sample Information

Sample ID: 0A25056-CCV
Autosampler Position: 2
Sample Date/Time: Monday, January 25, 2010 16:11:29
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CCV.037
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	422151.256	422151.256				mg/L
	Be	9	14479.059	0.034	0.037865	0.001	1.920	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	102.637
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	399455.703	399455.703		mg/L
Be	9	14833.611	0.035	0.038219	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	437428.281	437428.281		mg/L
Be	9	14677.060	0.034	0.037029	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	429569.804	429569.804		mg/L
Be	9	14978.505	0.035	0.038348	mg/L

99993

Sample Information

Sample ID: 0A25056-CCB
Autosampler Position: 1
Sample Date/Time: Monday, January 25, 2010 16:13:25
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0A25056.sam
Method File: c:\elandata\Method\Solid_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0A25056\0A25056-CCB.038
Tuning File: C:\Elandata\Tuning\25JAN2010_6020A_B.tun
Optimization File: C:\Elandata\Optimize\25JAN2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	413566.068	413566.068				mg/L
	Be	9	4.000	-0.000	-0.000001	0.000	532.075	mg/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.550
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	397411.334	397411.334		mg/L
Be	9	5.000	0.000	0.000002	mg/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	420878.652	420878.652		mg/L
Be	9	2.000	0.000	0.000008	mg/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	422408.217	422408.217		mg/L
Be	9	5.000	0.000	0.000001	mg/L

0994

SECTION - D

INORGANIC - METALS

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Individual sample results relate only to the sample tested.

TriMatrix Laboratories, Inc.

SulTRAC

Project: Plainwell Mill

SDG: PM011110

USEPA-7471A

00986

SAMPLE ID SUMMARY

USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110

Client: SulTRAC

Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-SO-56394-CB-011110-003	1001142-02
S-SS-56394-EV-011210-011	1001142-03
S-SO-56394-CB-011210-015	1001142-04
S-SS-56394-EV-011310-021	1001177-01
S-SO-56394-CB-011410-033	1001177-02
SD-SO-56394-CB-011410-033	1001177-03
S-SO-56394-CB-011410-046	1001177-04
S-SO-56394-CB-011410-041	1001177-05
S-SO-56394-DR-011310-1011	1001177-12
S-SO-56394-CB-011310-028	1001177-13
S-SO-56394-CB-011410-040	1001177-14
S-SO-56394-CB-011310-026	1001177-15

00997

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-011110-003

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/11/10 15:35
Solids: 86.34
Laboratory ID: 1001142-02

SDG: PM011110
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/20/10 10:00
Initial/Final: 0.3063 g / 50 mL
QC Batch: 1000458

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.12	mg/kg dry wt.	1	0.050	0.016		01/20/10 14:18

00908

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SS-56394-EV-011210-011

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/12/10 11:20
Solids: 84.77
Laboratory ID: 1001142-03

SDG: PM011110
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/20/10 10:00
Initial/Final: 0.3102 g / 50 mL
QC Batch: 1000458

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.026	mg/kg dry wt.	1	0.050	0.016	J	01/20/10 14:23

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-011210-015

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/12/10 16:00
Solids: 53.28
Laboratory ID: 1001142-04

SDG: PM011110
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/20/10 10:00
Initial/Final: 0.303 g / 50 mL
QC Batch: 1000458

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	2.4	mg/kg dry wt.	10	0.50	0.16		01/20/10 16:03

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SS-56394-EV-011310-021

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 11:35
Solids: 91.44
Laboratory ID: 1001177-01

SDG: PM011110
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/20/10 10:00
Initial/Final: 0.3075 g / 50 mL
QC Batch: 1000458

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	01/20/10 14:30

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-011410-033

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 09:05
Solids: 92.58
Laboratory ID: 1001177-02

SDG: PM011110
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/20/10 10:00
Initial/Final: 0.3047 g / 50 mL
QC Batch: 1000458

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.028	mg/kg dry wt.	1	0.050	0.016	J	01/20/10 14:52

00312

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

SD-SO-56394-CB-011410-033

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 09:07
Solids: 92.64
Laboratory ID: 1001177-03

SDG: PM011110
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/20/10 10:00
Initial/Final: 0.3044 g / 50 mL
QC Batch: 1000458

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.032	mg/kg dry wt.	1	0.050	0.016	J	01/20/10 14:57

00913

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-011410-046

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 12:25
Solids: 95.49
Laboratory ID: 1001177-04

SDG: PM011110
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/20/10 10:00
Initial/Final: 0.3181 g / 50 mL
QC Batch: 1000458

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.047	mg/kg dry wt.	1	0.047	0.015	U	01/20/10 15:02

09914

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 11:20
Solids: 91.25
Laboratory ID: 1001177-05

SDG: PM011110
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/20/10 10:00
Initial/Final: 0.3029 g / 50 mL
QC Batch: 1000458

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.33	mg/kg dry wt.	1	0.050	0.016		01/20/10 15:07

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-DR-011310-1011

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 13:25
Solids: 52.11
Laboratory ID: 1001177-12

SDG: PM011110
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/20/10 10:00
Initial/Final: 0.3012 g / 50 mL
QC Batch: 1000458

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		01/20/10 15:23

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-011310-028

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 16:30
Solids: 87.35
Laboratory ID: 1001177-13

SDG: PM011110
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/20/10 10:00
Initial/Final: 0.3051 g / 50 mL
QC Batch: 1000458

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	1.1	mg/kg dry wt.	2	0.10	0.033		01/20/10 16:08

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-011410-040

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 10:25
Solids: 96.27
Laboratory ID: 1001177-14

SDG: PM011110
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/20/10 10:00
Initial/Final: 0.3037 g / 50 mL
QC Batch: 1000458

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	01/20/10 15:33

INORGANIC ANALYSIS DATA SHEET
USEPA-7471A

S-SO-56394-CB-011310-026

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 15:20
Solids: 93.43
Laboratory ID: 1001177-15

SDG: PM011110
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Prepared: 01/20/10 10:00
Initial/Final: 0.3157 g / 50 mL
QC Batch: 1000458

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	01/20/10 15:38

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A21009

SDG: PM011110
Project: Plainwell Mill
Instrument: 216
Calibration: 0A21002

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0A21009-CAL1	j20so-a2-108	01/20/10 11:17
Cal Standard	0A21009-CAL2	j20so-a2-111	01/20/10 11:21
Cal Standard	0A21009-CAL3	j20so-a2-114	01/20/10 11:26
Cal Standard	0A21009-CAL4	j20so-a2-117	01/20/10 11:31
Cal Standard	0A21009-CAL5	j20so-a2-120	01/20/10 11:36
Cal Standard	0A21009-CAL6	j20so-a2-123	01/20/10 11:41
Secondary Cal Check	0A21009-SCV1	j20so-a2-126	01/20/10 11:47
Calibration Check	0A21009-CCV1	j20so-a2-126	01/20/10 11:47
Calibration Blank	0A21009-CCB1	j20so-a2-129	01/20/10 11:52
MRL Check	0A21009-CRL1	j20so-a2-132	01/20/10 11:57
Calibration Check	0A21009-CCV2	j20so-a2-153	01/20/10 12:35
Calibration Blank	0A21009-CCB2	j20so-a2-156	01/20/10 12:40
Calibration Check	0A21009-CCV3	j20so-a2-189	01/20/10 13:35
Calibration Blank	0A21009-CCB3	j20so-a2-192	01/20/10 13:40
Blank	1000458-BLK1	j20so-a2-207	01/20/10 14:08
LCS	1000458-BS1	j20so-a2-210	01/20/10 14:13
S-SO-56394-CB-011110-003	1001142-02	j20so-a2-213	01/20/10 14:18
S-SS-56394-EV-011210-011	1001142-03	j20so-a2-216	01/20/10 14:23
S-SS-56394-EV-011310-021	1001177-01	j20so-a2-221	01/20/10 14:30
Calibration Check	0A21009-CCV4	j20so-a2-224	01/20/10 14:35
Calibration Blank	0A21009-CCB4	j20so-a2-230	01/20/10 14:47
S-SO-56394-CB-011410-033	1001177-02	j20so-a2-233	01/20/10 14:52
SD-SO-56394-CB-011410-033	1001177-03	j20so-a2-236	01/20/10 14:57
S-SO-56394-CB-011410-046	1001177-04	j20so-a2-239	01/20/10 15:02
S-SO-56394-CB-011410-041	1001177-05	j20so-a2-242	01/20/10 15:07
S-SO-56394-CB-011410-041	1000458-MS1	j20so-a2-245	01/20/10 15:12
S-SO-56394-CB-011410-041	1000458-MSD1	j20so-a2-248	01/20/10 15:18
S-SO-56394-DR-011310-1011	1001177-12	j20so-a2-251	01/20/10 15:23
S-SO-56394-CB-011410-040	1001177-14	j20so-a2-257	01/20/10 15:33
S-SO-56394-CB-011310-026	1001177-15	j20so-a2-260	01/20/10 15:38
Calibration Blank	0A21009-CCB5	j20so-a2-266	01/20/10 15:48
Calibration Check	0A21009-CCV5	j20so-a2-269	01/20/10 15:58

00929

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A21009

SDG: PM011110
Project: Plainwell Mill
Instrument: 216
Calibration: 0A21002

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-011210-015	1001142-04	j20so-a2-272	01/20/10 16:03
S-SO-56394-CB-011310-028	1001177-13	j20so-a2-275	01/20/10 16:08
Calibration Check	0A21009-CCV6	j20so-a2-278	01/20/10 16:14
Calibration Blank	0A21009-CCB6	j20so-a2-281	01/20/10 16:27

00921

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A21009
Instrument ID: 216
Control Limt: +/- 10.00%
Calibration: 0A21002

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A21009-CCV1	Mercury	3.00	2.98	99	ug/L	01/20/10 11:47
0A21009-CCV2	Mercury	2.00	2.08	104	ug/L	01/20/10 12:35
0A21009-CCV3	Mercury	2.00	2.13	106	ug/L	01/20/10 13:35
0A21009-CCV4	Mercury	2.00	2.17	109	ug/L	01/20/10 14:35
0A21009-CCV5	Mercury	2.00	2.18	109	ug/L	01/20/10 15:58
0A21009-CCV6	Mercury	2.00	2.20	110	ug/L	01/20/10 16:14

* Values outside of QC limits

30822

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A21009
Instrument: 216
Laboratory ID: 0A21009-SCV1
Calibration: 0A21002

Analyte	Expected	Found	% R	QC Limit	Units
Mercury	3.00	2.98	99	90-110	ug/L

* Values outside of QC limits

00923

CRDL STANDARD

USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0A21009

Instrument ID: 216

Calibration: 0A21002

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0A21009-CRL1	Mercury	0.200	0.156	78	ug/L	50 - 150

* Values outside of QC limits

39924

BLANKS
USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A21009
Instrument ID: 216
Calibration: 0A21002

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A21009-CCB1	Mercury	0.011	0.30	0.098	ug/L	U	01/20/10 11:52
0A21009-CCB2	Mercury	-0.019	0.30	0.098	ug/L	U	01/20/10 12:40
0A21009-CCB3	Mercury	-0.025	0.30	0.098	ug/L	U	01/20/10 13:40
0A21009-CCB4	Mercury	-0.0048	0.30	0.098	ug/L	U	01/20/10 14:47
0A21009-CCB5	Mercury	0.018	0.30	0.098	ug/L	U	01/20/10 15:48
0A21009-CCB6	Mercury	-0.018	0.30	0.098	ug/L	U	01/20/10 16:27

* Values outside of QC limits

QC BATCH SUMMARY
USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1000458
QC Batch Matrix: Soil
Preparation: 7471A Mercury Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000458-BLK1	01/20/10 10:00	
LCS	1000458-BS1	01/20/10 10:00	
S-SO-56394-CB-011410-041	1000458-MS1	01/20/10 10:00	
S-SO-56394-CB-011410-041	1000458-MSD1	01/20/10 10:00	
S-SO-56394-CB-011110-003	1001142-02	01/20/10 10:00	soil
S-SS-56394-EV-011210-011	1001142-03	01/20/10 10:00	soil
S-SO-56394-CB-011210-015	1001142-04	01/20/10 10:00	soil
S-SS-56394-EV-011310-021	1001177-01	01/20/10 10:00	soil
S-SO-56394-CB-011410-033	1001177-02	01/20/10 10:00	soil
SD-SO-56394-CB-011410-033	1001177-03	01/20/10 10:00	soil
S-SO-56394-CB-011410-046	1001177-04	01/20/10 10:00	soil
S-SO-56394-CB-011410-041	1001177-05	01/20/10 10:00	soil
S-SO-56394-DR-011310-1011	1001177-12	01/20/10 10:00	soil
S-SO-56394-CB-011310-028	1001177-13	01/20/10 10:00	soil
S-SO-56394-CB-011410-040	1001177-14	01/20/10 10:00	soil
S-SO-56394-CB-011310-026	1001177-15	01/20/10 10:00	soil

00926

METHOD BLANK DATA SHEET
USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000458-BLK1
File ID: j20so-a2-207
Prepared: 01/20/10 10:00
Preparation: 7471A Mercury Digestior
Initial/Final: 0.3 g / 50 mL
Analyzed: 01/20/10 14:08
Instrument: 216
QC Batch: 1000458
Sequence: 0A21009
Calibration: 0A21002

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7439-97-6	Mercury, Total	0.016	0.050	0.050	mg/kg dry wt.	U

00927

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011410-041

USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110

Project: Plainwell Mill

Preparation: 7471A Mercury Digestion

Initial/Final: 0.3176 g / 50 mL

Laboratory ID: 1000458-MS1

QC Batch: 1000458

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Mercury, Total	0.315	0.333	0.585	80	80 - 120	mg/kg dry wt.

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

* Values outside of QC limits

00928

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011410-041

USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110

Project: Plainwell Mill

Preparation: 7471A Mercury Digestion

Initial/Final: 0.3247 g / 50 mL

Laboratory ID: 1000458-MSD1

QC Batch: 1000458

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Mercury, Total	0.308	0.571	77 *	2	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

00929

LCS / LCS DUPLICATE RECOVERY
USEPA-7471A

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

Laboratory ID: 1000458-BS1

SDG: PM011110
Project: Plainwell Mill
Preparation: 7471A Mercury Digestion
Initial/Final: 0.3 g / 50 mL
QC Batch: 1000458
Sequence: 0A21009

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Mercury, Total	0.333	0.393	118	80 - 120	mg/kg dry wt.

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

* Values outside of QC limits

99939

HOLDING TIME SUMMARY
USEPA-7471A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
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-011110-003	01/11/10	01/12/10		01/20/10	9	NA	01/20/10	9	28	
S-SS-56394-EV-011210-011	01/12/10	01/12/10		01/20/10	8	NA	01/20/10	8	28	
S-SO-56394-CB-011210-015	01/12/10	01/12/10		01/20/10	8	NA	01/20/10	8	28	
S-SS-56394-EV-011310-021	01/13/10	01/14/10		01/20/10	7	NA	01/20/10	7	28	
S-SO-56394-CB-011410-033	01/14/10	01/14/10		01/20/10	6	NA	01/20/10	6	28	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10		01/20/10	6	NA	01/20/10	6	28	
S-SO-56394-CB-011410-046	01/14/10	01/14/10		01/20/10	6	NA	01/20/10	6	28	
S-SO-56394-CB-011410-041	01/14/10	01/14/10		01/20/10	6	NA	01/20/10	6	28	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10		01/20/10	7	NA	01/20/10	7	28	
S-SO-56394-CB-011310-028	01/13/10	01/14/10		01/20/10	7	NA	01/20/10	7	28	
S-SO-56394-CB-011410-040	01/14/10	01/14/10		01/20/10	6	NA	01/20/10	6	28	
S-SO-56394-CB-011310-026	01/13/10	01/14/10		01/20/10	7	NA	01/20/10	7	28	

99931

Metals, Soil, 7471A Mercury Digestion

Batch comments:

MAS 01/20/10 1:30-2:00PM
INST#218@92.9C#222
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments	
1000458-BLK1		Jan-20-10 10:00	MAS	0.3	50					
1000458-BS1		Jan-20-10 10:00	MAS	0.3	50		9100898	100		
1000458-MS1		Jan-20-10 10:00	MAS	0.3176	50	1001177-05	9100898	100		
1000458-MSD1		Jan-20-10 10:00	MAS	0.3247	50	1001177-05	9100898	100		
1001142-02	A	Jan-20-10 10:00	MAS	0.3063	50	SulTRAC			soil	soil
Hg Total 7471A										
1001142-03	A	Jan-20-10 10:00	MAS	0.3102	50	SulTRAC			soil	soil
Hg Total 7471A										
1001142-04	A	Jan-20-10 10:00	MAS	0.303	50	SulTRAC			soil	soil
Hg Total 7471A										
1001177-01	A	Jan-20-10 10:00	MAS	0.3075	50	SulTRAC			soil	soil
Hg Total 7471A										
1001177-02	A	Jan-20-10 10:00	MAS	0.3047	50	SulTRAC			soil	soil
Hg Total 7471A										
1001177-03	A	Jan-20-10 10:00	MAS	0.3044	50	SulTRAC			soil	soil
Hg Total 7471A										
1001177-04	A	Jan-20-10 10:00	MAS	0.3181	50	SulTRAC			soil	soil
Hg Total 7471A										
1001177-05	A	Jan-20-10 10:00	MAS	0.3029	50	SulTRAC			soil	soil
Hg Total 7471A										
1001177-12	A	Jan-20-10 10:00	MAS	0.3012	50	SulTRAC			soil	soil
Hg Total 7471A										
1001177-13	A	Jan-20-10 10:00	MAS	0.3051	50	SulTRAC			soil	soil
Hg Total 7471A										

Comments:

Analyst Initials:

Metals, Soil, 7471A Mercury Digestion

Batch comments:

MAS 01/20/10 1:30-2:00PM
INST#218@92.9C#222
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	*Container*	*Prepared*	*By*	*Initial (g)*	*Final (mL)*	*Client* Source ID	*Client* Spike ID	*Client* uL Spike	*Comments*	
1001177-14	A	Jan-20-10 10:00	MAS	0.3037	50	SulTRAC			soil	soil
Hg Total 7471A										
1001177-15	A	Jan-20-10 10:00	MAS	0.3157	50	SulTRAC			soil	soil
Hg Total 7471A										

Comments:

Analyst Initials:

OA21006 waste Due 1-21
OA21009 soil calib OA2100

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence Hg Solids

Instrument #: 216
Date: 1-20-10
Analyst: KW
SnCl#: 9120943

Data File: I20SoA2
Calibration BLK/ICB/CCB: 0.5% HNO3 LOT#1109060
Std/SCV prep date/analyst: 1-19-10 /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
11	1000456-BLK			
12	~~Low~~ BS1			
13	1001176-02			
14	1000458-BLK			
15	BS1			
16	1001142-02			
17	03			
18	04			
19	1001177-01			
20	02			
21	03			
22	04			
23	05			
24	1000458-MS1			
25	MSD1			
26	1001177-12			
27	13			
28	14			
29	15			
30	1000459-BLK			
31	BS1			
32	1001118-01			
33	02			
34	03			
35	1000461-BLK			
36	BS1			
37	1001209-01			
38	1000461-MS1			
39	MSD1			
40	1001209-02			
41	03			
42	04			
43	1001217-03			
44	1000453-BLK			
45	BS1			
46	1001142-02			
47	03			
48	04			
49	1001177-01			
50	02			
51	03			
52	04			
53	05			
54	MS1			
55	MSD1			
56	12			
57	13			
58	14			
59	15			
60	1001142-04	~~10~~ 2	20	10X
61	1001177-13	10	20	2x
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waste tclp
waste
soil

Calibration Report -

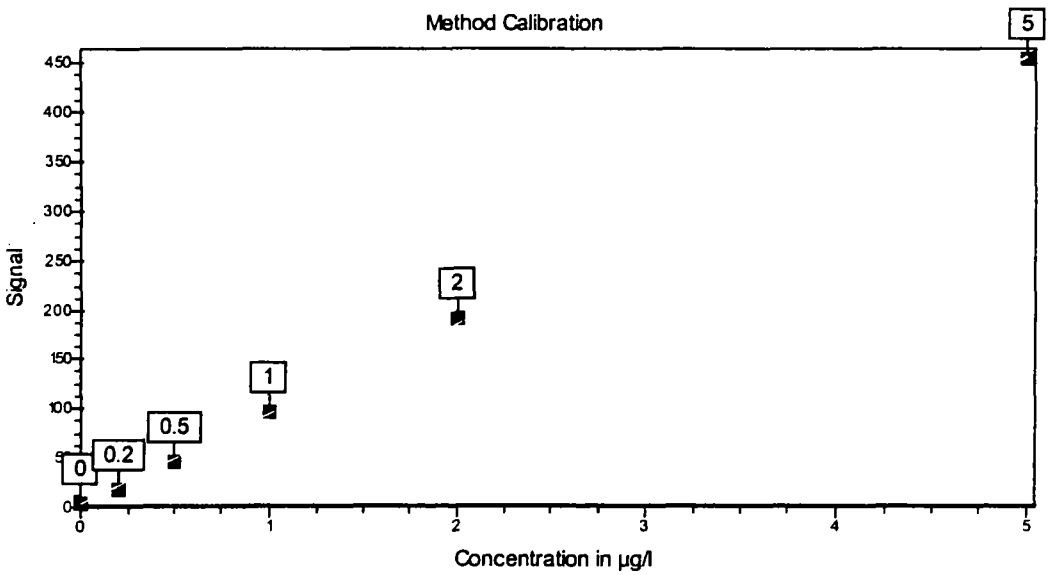
General Details

Measured By :

Calibration #:	Calibration 2
Fit Type :	Least Squares
Unit :	µg/l
Slope :	90.543015
Y Intercept :	3.986306
Correlation Coefficient :	0.999799
Reslope %:	

Definition of Standards

Include	*Pos*	*Runs*	*Conc*	*Pk Ht*	*Pk Area*	*Res %*	*Res Conc*	*Date/Time*
Yes	1	2	0.000	4.797991	-118.813034	0.000000	0.008965	20 Jan 2010 11:17
Yes	2	2	0.200	18.641920	310.899353	-19.068222	-0.038136	20 Jan 2010 11:21
Yes	3	2	0.500	46.800499	628.082520	-5.427948	-0.027140	20 Jan 2010 11:26
Yes	4	2	1.000	96.188416	1616.802490	1.832384	0.018324	20 Jan 2010 11:31
Yes	5	2	2.000	190.718155	2999.143066	3.117756	0.062355	20 Jan 2010 11:36
Yes	6	2	5.000	454.495087	7203.530273	-0.487347	-0.024367	20 Jan 2010 11:41



00935

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\j20so-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	—	—	—	0.226	25.1422	88.2515	-4.6780	—	—	1.00	—		C1	TriMatrix Mercury	20 Jan 2010 10:21
—	2/2	—	—	—	0.288	30.1932	446.9585	-1.5032	—	—	1.00	—		C1	TriMatrix Mercury	20 Jan 2010 10:24
20	2	Sample	1001177-62		0.041	10.0413	43.5548	-1.1147	0.0706	171.29	1.00	—		C1	TriMatrix Mercury	20 Jan 2010 10:28
—	1/2	—	—	—	-0.009	5.9645	-190.0665	-2.8957	—	—	1.00	—		C1	TriMatrix Mercury	20 Jan 2010 10:26
—	2/2	—	—	—	0.091	14.1182	277.1761	0.6664	—	—	1.00	—		C1	TriMatrix Mercury	20 Jan 2010 10:28
5	2	Sample	ccv		2.049	174.0789	1518.8389	-20.8748	0.3194	15.59	1.00	—		C1	TriMatrix Mercury	20 Jan 2010 10:39
—	1/2	—	—	—	1.823	155.6256	192.9755	-36.5609	—	—	1.00	—		C1	TriMatrix Mercury	20 Jan 2010 10:36
—	2/2	—	—	—	2.274	192.5323	2844.7021	-5.1888	—	—	1.00	—		C1	TriMatrix Mercury	20 Jan 2010 10:39
1	2	Cal	0.000	newcal	0.000	4.7980	-118.8130	0.4263	5.2333	109.07	—	—		C2	TriMatrix Mercury	20 Jan 2010 11:17
—	1/2	—	—	—	0.000	1.0975	-444.7672	0.2658	—	—	—	—		C1	TriMatrix Mercury	20 Jan 2010 11:14
—	2/2	—	—	—	0.000	8.4985	207.1412	0.5869	—	—	—	—		C1	TriMatrix Mercury	20 Jan 2010 11:17
2	2	Cal	0.200		0.200	18.6419	310.8994	0.4683	0.5948	3.19	—	—		C2	TriMatrix Mercury	20 Jan 2010 11:21
—	1/2	—	—	—	0.200	18.2213	290.5573	0.6949	—	—	—	—		C2	TriMatrix Mercury	20 Jan 2010 11:19
—	2/2	—	—	—	0.200	19.0625	331.2414	0.2418	—	—	—	—		C2	TriMatrix Mercury	20 Jan 2010 11:21
3	2	Cal	0.500		0.500	46.8005	628.0825	-0.2505	2.1931	4.69	—	—		C2	TriMatrix Mercury	20 Jan 2010 11:26
—	1/2	—	—	—	0.500	45.2498	783.5025	1.4752	—	—	—	—		C2	TriMatrix Mercury	20 Jan 2010 11:24
—	2/2	—	—	—	0.500	48.3512	492.6625	-1.9761	—	—	—	—		C2	TriMatrix Mercury	20 Jan 2010 11:26
4	2	Cal	1.000		1.000	96.1884	1616.8025	-0.1207	0.0719	0.07	—	—		C2	TriMatrix Mercury	20 Jan 2010 11:31
—	1/2	—	—	—	1.000	96.2440	1595.7235	-0.4845	—	—	—	—		C2	TriMatrix Mercury	20 Jan 2010 11:29
—	2/2	—	—	—	1.000	96.1328	1637.8813	0.2431	—	—	—	—		C2	TriMatrix Mercury	20 Jan 2010 11:31
5	2	Cal	2.000		2.000	190.7182	2999.1431	-0.9682	3.9591	2.08	—	—		C2	TriMatrix Mercury	20 Jan 2010 11:36
—	1/2	—	—	—	2.000	193.5170	3047.1086	-0.9451	—	—	—	—		C2	TriMatrix Mercury	20 Jan 2010 11:34
—	2/2	—	—	—	2.000	187.9193	2951.1777	-0.9913	—	—	—	—		C2	TriMatrix Mercury	20 Jan 2010 11:36
6	2	Cal	5.000		5.000	454.4951	7203.5303	-0.9716	1.3353	0.29	—	—		C2	TriMatrix Mercury	20 Jan 2010 11:41
—	1/2	—	—	—	5.000	453.5455	7209.0864	0.2263	—	—	—	—		C2	TriMatrix Mercury	20 Jan 2010 11:39
—	2/2	—	—	—	5.000	455.4447	7197.9746	-2.1696	—	—	—	—		C2	TriMatrix Mercury	20 Jan 2010 11:41
7	2	Sample	scv		2.982	273.9500	4358.4692	0.1497	0.0240	0.81	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 11:47
—	1/2	—	—	—	2.999	275.4869	4377.7056	-0.6718	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 11:44
—	2/2	—	—	—	2.965	272.4131	4339.2329	0.9711	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 11:47
1	2	Sample	ccb		0.011	5.0064	-129.2748	-3.6464	0.0044	39.00	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 11:52
—	1/2	—	—	—	0.008	4.7251	-220.4628	-4.7251	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 11:49
—	2/2	—	—	—	0.014	5.2877	-38.0864	-2.5676	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 11:52
2	2	Sample	crl		0.156	18.0721	313.8175	1.2378	0.0073	4.67	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 11:57

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\j20so-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	—	—	—	0.161	18.5376	304.7763	1.3919	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 11:54
—	2/2	—	—	—	0.150	17.6067	322.8588	1.0838	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 11:57
5	2	Sample	ccv		1.982	183.4429	2809.8025	-0.9485	0.0101	0.51	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:00
—	1/2	—	—	—	1.975	182.7956	2699.8728	-2.2879	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 11:59
—	2/2	—	—	—	1.989	184.0902	2919.7322	0.3908	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:01
1	2	Sample	ccb		-0.024	1.8215	-117.7458	-1.3128	0.0011	-4.53	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:06
—	1/2	—	—	—	-0.025	1.7520	-100.3529	-1.4663	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:04
—	2/2	—	—	—	-0.023	1.8909	-135.1386	-1.1593	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:08
11	2	Sample	1000456-blk1		0.028	6.5152	145.6311	1.4869	0.0482	172.51	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:11
—	1/2	—	—	—	-0.006	3.4304	45.1192	2.4097	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:09
—	2/2	—	—	—	0.062	9.6000	246.1431	0.5641	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:11
12	2	Sample	1000456-bs1		2.697	248.1744	4056.2710	0.1478	0.0052	0.19	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:16
—	1/2	—	—	—	2.701	248.5112	4080.7366	1.1685	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:14
—	2/2	—	—	—	2.693	247.8376	4031.8052	-0.8729	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:16
13	2	Sample	1001176-02		-0.014	2.6933	-47.3870	-1.2146	0.0064	-45.07	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:21
—	1/2	—	—	—	-0.019	2.2812	-138.2932	-2.2812	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:19
—	2/2	—	—	—	-0.010	3.1054	43.5191	-0.1480	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:21
14	2	Sample	1000458-blk1		-0.027	1.5581	-16.8312	0.0029	0.0015	-5.49	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:26
—	1/2	—	—	—	-0.028	1.4638	-20.3171	0.6452	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:24
—	2/2	—	—	—	-0.026	1.6524	-13.3452	-0.6395	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:26
5	2	Sample	ccv		2.079	192.2700	2997.4121	0.0708	0.0216	1.04	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:35
—	1/2	—	—	—	2.064	190.8846	2908.8171	-0.0155	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:32
—	2/2	—	—	—	2.095	193.6554	3086.0071	0.1571	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:35
1	2	Sample	ccb		-0.019	2.2441	-25.6560	0.0107	0.0125	-64.73	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:40
—	1/2	—	—	—	-0.010	3.0415	36.0701	-0.1970	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:37
—	2/2	—	—	—	-0.028	1.4467	-87.3820	0.2185	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:40
30	2	Sample	1000459-blk1		0.000	3.9761	-155.9750	-0.9581	0.0079	-6950.83	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:45
—	1/2	—	—	—	0.005	4.4811	103.2398	1.2286	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:42
—	2/2	—	—	—	-0.006	3.4710	-415.1897	-3.1447	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:45
31	2	Sample	1000459-bs1		2.678	246.4709	4087.7849	0.5260	0.0486	1.81	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:50
—	1/2	—	—	—	2.712	249.5805	4244.8296	1.5112	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:47
—	2/2	—	—	—	2.644	243.3613	3930.7402	-0.4593	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:50
32	2	Sample	1001118-01		-0.001	3.8538	-6.8033	-0.0758	0.0035	-236.44	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:55

KLV

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\j20so-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	—	—	—	0.001	4.0753	-13.1921	-1.3899	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:52
—	2/2	—	—	—	-0.004	3.6324	-0.4146	1.2383	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:55
33	2	Sample	1001118-02		0.002	4.1899	14.4782	0.6905	0.0545	2423.28	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:00
—	1/2	—	—	—	-0.036	0.6999	-173.5419	1.4321	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 12:57
—	2/2	—	—	—	0.041	7.6800	202.4983	-0.0512	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:00
34	2	Sample	1001118-03		0.019	5.7114	2.0283	-1.7332	0.0367	192.45	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:05
—	1/2	—	—	—	0.045	8.0590	217.1875	-0.3979	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:02
—	2/2	—	—	—	-0.007	3.3639	-213.1310	-3.0686	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:05
35	2	Sample	1000461-blk1		0.011	5.0274	84.1239	-1.0246	0.0099	86.42	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:10
—	1/2	—	—	—	0.019	5.6637	68.9604	-1.3524	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:07
—	2/2	—	—	—	0.004	4.3912	99.2875	-0.6968	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:10
36	2	Sample	1000461-bs1		2.482	228.7268	3506.3564	-1.7253	0.0179	0.72	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:15
—	1/2	—	—	—	2.495	229.8708	3593.3831	-1.7802	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:12
—	2/2	—	—	—	2.470	227.5828	3419.3301	-1.6704	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:15
37	2	Sample	1001209-01		0.224	24.3019	444.2881	0.9355	0.0152	6.78	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:20
—	1/2	—	—	—	0.214	23.3283	316.0001	-1.8855	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:17
—	2/2	—	—	—	0.235	25.2755	572.5760	3.7565	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:20
38	2	Sample	1000461-ms1		2.804	257.8544	4065.6960	-0.8992	0.0128	0.46	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:25
—	1/2	—	—	—	2.813	258.6772	4210.6577	-0.3218	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:22
—	2/2	—	—	—	2.795	257.0316	3920.7341	-1.4766	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:25
39	2	Sample	1000461-msd1		2.755	253.4615	3814.3159	-1.8917	0.0236	0.86	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:30
—	1/2	—	—	—	2.772	254.9733	3710.9514	-1.8923	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:27
—	2/2	—	—	—	2.739	251.9496	3917.6804	-1.8911	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:30
5	2	Sample	ccv		2.130	196.8108	3107.3518	-0.5415	0.0650	3.05	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:35
—	1/2	—	—	—	2.176	200.9693	3296.0557	0.4593	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:32
—	2/2	—	—	—	2.084	192.6523	2918.6479	-1.5423	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:35
1	2	Sample	ccb		-0.025	1.7570	-32.5902	-0.1278	0.0007	-2.80	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:40
—	1/2	—	—	—	-0.024	1.8011	-63.7338	-0.6685	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:37
—	2/2	—	—	—	-0.025	1.7129	-1.4467	0.4129	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:40
40	2	Sample	1001209-02		0.271	28.4886	400.9694	-1.0676	0.0781	28.88	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:45
—	1/2	—	—	—	0.215	23.4855	214.4478	-3.3474	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:42
—	2/2	—	—	—	0.326	33.4916	587.4910	1.2123	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:45
41	2	Sample	1001209-03		0.143	16.8914	323.5262	0.9045	0.0467	32.77	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:50

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\j20so-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	—	—	—	0.176	19.8815	383.9865	1.1528	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:47
—	2/2	—	—	—	0.110	13.9013	263.0658	0.6561	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:50
42	2	Sample	1001209-04		0.083	11.4673	59.9699	-0.0296	0.0175	21.13	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:53
—	1/2	—	—	—	0.070	10.3494	-0.0402	1.4371	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:52
—	2/2	—	—	—	0.095	12.5852	119.9800	-1.4963	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:55
43	2	Sample	1001217-03		1.209	113.4526	1902.7267	-0.2448	0.0965	7.98	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:00
—	1/2	—	—	—	1.141	107.2720	1766.3235	0.1870	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 13:58
—	2/2	—	—	—	1.277	119.6332	2039.1299	-0.6766	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:00
44	2	Sample	1000458-blk1		0.005	4.4535	66.7620	-0.0481	0.0255	494.23	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:08
—	1/2	—	—	—	0.023	6.0863	125.7137	-0.1629	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:05
—	2/2	—	—	—	-0.013	2.8208	7.8102	0.0668	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:08
45	2	Sample	1000458-bs1		2.357	217.3532	3425.8262	-1.7355	0.0174	0.74	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:13
—	1/2	—	—	—	2.344	216.2372	3384.4128	-2.4530	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:10
—	2/2	—	—	—	2.369	218.4892	3467.2395	-1.0180	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:13
46	2	Sample	1001142-02		0.764	73.1629	1067.6707	-0.7753	0.0011	0.14	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:18
—	1/2	—	—	—	0.765	73.2272	1063.1465	-0.3725	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:15
—	2/2	—	—	—	0.763	73.0987	1072.1948	-1.1780	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:18
47	2	Sample	1001142-03		0.164	18.8138	226.3857	-0.5484	0.0249	15.20	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:23
—	1/2	—	—	—	0.181	20.4070	374.2894	-0.9951	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:20
—	2/2	—	—	—	0.146	17.2205	78.4820	-0.1017	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:23
48	2	Sample	1001142-04		13.482	1224.6771	18906.9980	-0.3337	—	—	1.00	Over Range		C2	TriMatrix Mercury	20 Jan 2010 14:25
—	1/2	—	—	—	13.482	1224.6771	18906.9980	-0.3337	—	—	1.00	Over Range		C2	TriMatrix Mercury	20 Jan 2010 14:25
49	2	Sample	1001177-01		0.120	14.8303	109.3550	-3.0442	0.0471	39.32	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:30
—	1/2	—	—	—	0.086	11.8153	-69.9351	-5.0607	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:28
—	2/2	—	—	—	0.153	17.8452	288.6451	-1.0278	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:30
5	2	Sample	ccv		2.174	200.8185	3263.4021	0.2560	0.0269	1.24	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:35
—	1/2	—	—	—	2.155	199.0991	3336.0386	2.1646	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:33
—	2/2	—	—	—	2.193	202.5379	3190.7654	-1.6526	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:35
1	2	Sample	ccb		-0.008	3.2284	-3.1166	-0.6478	0.0305	-364.64	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:40
—	1/2	—	—	—	-0.030	1.2742	-136.7213	-1.0041	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:38
—	2/2	—	—	—	0.013	5.1825	130.4881	-0.2915	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:40
1	2	Sample	ccb		-0.005	3.5560	-13.0199	-0.4928	0.0407	-856.19	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:47
—	1/2	—	—	—	-0.034	0.9509	-129.8131	-0.5511	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:44

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\j20so-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
—	2/2	—	—	—	0.024	6.1612	103.7733	-0.4346	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:47
50	2	Sample	1001177-02		0.168	19.2058	312.2832	-0.0446	0.0062	3.71	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:52
—	1/2	—	—	—	0.164	18.8062	249.4851	-0.2169	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:49
—	2/2	—	—	—	0.173	19.6054	375.0813	0.1276	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:52
51	2	Sample	1001177-03		0.196	21.7682	402.1160	0.3714	0.0420	21.39	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:57
—	1/2	—	—	—	0.167	19.0784	315.2027	1.0350	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:54
—	2/2	—	—	—	0.226	24.4581	489.0293	-0.2923	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:57
52	2	Sample	1001177-04		0.062	9.6118	123.6275	0.2289	0.0569	91.59	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 15:02
—	1/2	—	—	—	0.022	5.9686	-78.9178	-0.8342	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 14:59
—	2/2	—	—	—	0.102	13.2550	326.1729	1.2919	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 15:02
53	2	Sample	1001177-05		2.019	186.8293	3062.5664	0.7665	0.0443	2.19	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 15:07
—	1/2	—	—	—	2.051	189.6650	3174.7156	2.9500	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 15:05
—	2/2	—	—	—	1.988	183.9935	2950.4172	-1.4169	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 15:07
54	2	Sample	1000458-ms1		3.716	340.4864	5367.0093	-2.0022	0.1452	3.91	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 15:12
—	1/2	—	—	—	3.819	349.7813	5579.2217	-2.0852	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 15:10
—	2/2	—	—	—	3.614	331.1916	5154.7964	-1.9191	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 15:12
55	2	Sample	1000458-msd1		3.708	339.7607	5394.5269	0.0252	0.0014	0.04	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 15:18
—	1/2	—	—	—	3.709	339.7795	5316.0801	-0.6366	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 15:15
—	2/2	—	—	—	3.708	339.7417	5472.9736	0.6869	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 15:18
56	2	Sample	1001177-12		1.147	107.8695	1561.9272	-1.7026	0.0177	1.55	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 15:23
—	1/2	—	—	—	1.135	106.7334	1492.2047	-2.1702	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 15:20
—	2/2	—	—	—	1.160	109.0056	1631.6498	-1.2350	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 15:23
57	2	Sample	1001177-13		6.125	558.5308	8900.6143	-0.7944	0.0848	1.38	1.00	Extrapolated		C2	TriMatrix Mercury	20 Jan 2010 15:28
—	1/2	—	—	—	6.185	563.9589	9145.7783	-1.3198	—	—	1.00	Extrapolated		C2	TriMatrix Mercury	20 Jan 2010 15:25
—	2/2	—	—	—	6.065	553.1028	8655.4502	-0.2691	—	—	1.00	Extrapolated		C2	TriMatrix Mercury	20 Jan 2010 15:28
58	2	Sample	1001177-14		0.015	5.3653	-139.1479	-2.5972	0.0106	69.32	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 15:33
—	1/2	—	—	—	0.023	6.0413	-378.8151	-5.9138	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 15:30
—	2/2	—	—	—	0.008	4.6894	100.5194	0.7194	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 15:33
59	2	Sample	1001177-15		0.032	6.9191	152.0940	0.4959	0.0747	230.55	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 15:38
—	1/2	—	—	—	0.085	11.7004	308.6119	-0.1285	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 15:35
—	2/2	—	—	—	-0.020	2.1379	-4.4239	1.1203	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 15:38
5	2	Sample	ccv		2.288	211.1211	3353.0693	0.6240	0.0640	2.80	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 15:43
—	1/2	—	—	—	2.242	207.0259	2982.6704	-1.1218	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 15:41

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\j20so-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
—	2/2	—	—	—	2.333	215.2163	3723.4680	2.3697	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 15:43
1	2	Sample	ccb		0.018	5.5910	138.9823	1.4771	0.0445	251.37	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 15:46
—	1/2	—	—	—	-0.014	2.7388	-6.2434	1.0258	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 15:46
—	2/2	—	—	—	0.049	8.4431	284.2079	1.9284	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 15:46
5	2	Sample	ccv		2.182	201.5277	2825.4998	-5.9749	0.0025	0.11	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 15:58
—	1/2	—	—	—	2.183	201.6854	2503.0457	-11.5165	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 15:55
—	2/2	—	—	—	2.180	201.3700	3147.9539	-0.4332	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 15:58
60	2	Sample	1001142-04	X10	1.439	134.2924	1959.1461	-2.8760	0.0179	1.24	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 16:03
—	1/2	—	—	—	1.452	135.4360	2015.8654	-2.6987	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 16:01
—	2/2	—	—	—	1.427	133.1488	1902.4269	-3.0534	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 16:03
61	2	Sample	1001177-13	x2	3.499	320.8114	5106.9277	0.5658	0.0229	0.66	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 16:08
—	1/2	—	—	—	3.515	322.2796	5123.0532	1.2172	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 16:06
—	2/2	—	—	—	3.483	319.3431	5090.8027	-0.0856	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 16:08
5	2	Sample	ccv		2.200	203.1897	3161.6929	-1.9563	0.0441	2.00	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 16:14
—	1/2	—	—	—	2.231	206.0132	3272.2229	-1.7456	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 16:11
—	2/2	—	—	—	2.169	200.3663	3051.1628	-2.1671	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 16:14
1	2	Sample	ccb		-0.018	2.3401	-78.4951	-1.0684	0.0171	-93.96	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 16:27
—	1/2	—	—	—	-0.030	1.2463	-153.7753	-1.0745	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 16:24
—	2/2	—	—	—	-0.006	3.4338	-3.2149	-1.0623	—	—	1.00	—		C2	TriMatrix Mercury	20 Jan 2010 16:27

SECTION - E

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.

TriMatrix Laboratories, Inc.

SulTRAC

Project: Plainwell Mill

SDG: PM011110

USEPA-3550B

00544

SAMPLE ID SUMMARY

USEPA-3550B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110

Client: SulTRAC

Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-SO-56394-CB-011110-003	1001142-02
S-SS-56394-EV-011210-011	1001142-03
S-SO-56394-CB-011210-015	1001142-04
S-SS-56394-EV-011310-021	1001177-01
S-SO-56394-CB-011410-033	1001177-02
SD-SO-56394-CB-011410-033	1001177-03
S-SO-56394-CB-011410-046	1001177-04
S-SO-56394-CB-011410-041	1001177-05
S-SO-56394-DR-011310-1011	1001177-12
S-SO-56394-CB-011310-028	1001177-13
S-SO-56394-CB-011410-040	1001177-14
S-SO-56394-CB-011310-026	1001177-15

00345

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-011110-003

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/11/10 15:35
Solids: 86.34
Laboratory ID: 1001142-02

SDG: PM011110
Project: Plainwell Mill
Preparation: Method-Specific Preparation
Prepared: 01/14/10 13:30
Initial/Final: 10 g / 10 mL
QC Batch: 1000328

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	86	%	1	0.1	0.1		01/14/10 13:30

00946

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SS-56394-EV-011210-011

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/12/10 11:20
Solids: 84.77
Laboratory ID: 1001142-03

SDG: PM011110
Project: Plainwell Mill
Preparation: Method-Specific Preparation
Prepared: 01/14/10 13:30
Initial/Final: 10 g / 10 mL
QC Batch: 1000328

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	85	%	1	0.1	0.1		01/14/10 13:30

00947

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-011210-015

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/12/10 16:00
Solids: 53.28
Laboratory ID: 1001142-04

SDG: PM011110
Project: Plainwell Mill
Preparation: Method-Specific Preparation
Prepared: 01/14/10 13:30
Initial/Final: 10 g / 10 mL
QC Batch: 1000328

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	53	%	1	0.1	0.1		01/14/10 13:30

20948

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SS-56394-EV-011310-021

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 11:35
Solids: 91.44
Laboratory ID: 1001177-01

SDG: PM011110
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/18/10 08:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000371

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	91	%	1	0.1	0.1		01/18/10 08:00

00949

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-011410-033

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 09:05
Solids: 92.58
Laboratory ID: 1001177-02

SDG: PM011110
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/18/10 08:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000371

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	93	%	1	0.1	0.1		01/18/10 08:00

00956

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

SD-SO-56394-CB-011410-033

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 09:07
Solids: 92.64
Laboratory ID: 1001177-03

SDG: PM011110
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/18/10 08:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000371

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	93	%	1	0.1	0.1		01/18/10 08:00

00951

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-011410-046

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 12:25
Solids: 95.49
Laboratory ID: 1001177-04

SDG: PM011110
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/18/10 08:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000371

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	95	%	1	0.1	0.1		01/18/10 08:00

00952

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 11:20
Solids: 91.25
Laboratory ID: 1001177-05

SDG: PM011110
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/18/10 08:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000371

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	91	%	1	0.1	0.1		01/18/10 08:00

00953

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-DR-011310-1011

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 13:25
Solids: 52.11
Laboratory ID: 1001177-12

SDG: PM011110
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/18/10 08:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000371

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	52	%	1	0.1	0.1		01/18/10 08:00

00954

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-011310-028

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 16:30
Solids: 87.35
Laboratory ID: 1001177-13

SDG: PM011110
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/18/10 08:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000371

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	87	%	1	0.1	0.1		01/18/10 08:00

00955

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-011410-040

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 10:25
Solids: 96.27
Laboratory ID: 1001177-14

SDG: PM011110
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/18/10 08:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000371

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	96	%	1	0.1	0.1		01/18/10 08:00

00956

INORGANIC ANALYSIS DATA SHEET
USEPA-3550B

S-SO-56394-CB-011310-026

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 15:20
Solids: 93.43
Laboratory ID: 1001177-15

SDG: PM011110
Project: Plainwell Mill
Preparation: General Inorganic Prep
Prepared: 01/18/10 08:00
Initial/Final: 10 g / 10 mL
QC Batch: 1000371

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
	Percent Solids	93	%	1	0.1	0.1		01/18/10 08:00

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-3550B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A14014

SDG: PM011110
Project: Plainwell Mill
Instrument: 210
Calibration: UNASSIGNED

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	1000328-BLK1	)14_PS_Jan_14_2010_09_1	01/14/10 13:30
S-SO-56394-CB-011110-003	1001142-02	)14_PS_Jan_14_2010_09_1	01/14/10 13:30
S-SO-56394-CB-011110-003	1000328-DUP1	)14_PS_Jan_14_2010_09_1	01/14/10 13:30
S-SS-56394-EV-011210-011	1001142-03	)14_PS_Jan_14_2010_09_1	01/14/10 13:30
S-SO-56394-CB-011210-015	1001142-04	)14_PS_Jan_14_2010_09_1	01/14/10 13:30

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-3550B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A15027

SDG: PM011110
Project: Plainwell Mill
Instrument: 210
Calibration: UNASSIGNED

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	1000371-BLK1		01/18/10 08:00
S-SS-56394-EV-011310-021	1001177-01		01/18/10 08:00
S-SO-56394-CB-011410-033	1001177-02		01/18/10 08:00
SD-SO-56394-CB-011410-033	1001177-03		01/18/10 08:00
S-SO-56394-CB-011410-046	1001177-04		01/18/10 08:00
S-SO-56394-CB-011410-041	1001177-05		01/18/10 08:00
S-SO-56394-CB-011410-041	1000371-DUP1		01/18/10 08:00
S-SO-56394-DR-011310-1011	1001177-12		01/18/10 08:00
S-SO-56394-CB-011310-028	1001177-13		01/18/10 08:00
S-SO-56394-CB-011410-040	1001177-14		01/18/10 08:00
S-SO-56394-CB-011310-026	1001177-15		01/18/10 08:00

00959

QC BATCH SUMMARY
USEPA-3550B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1000328
QC Batch Matrix: Soil
Preparation: Method-Specific Preparation

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000328-BLK1	01/14/10 13:30	
S-SO-56394-CB-011110-003	1000328-DUP1	01/14/10 13:30	
S-SO-56394-CB-011110-003	1001142-02	01/14/10 13:30	
S-SS-56394-EV-011210-011	1001142-03	01/14/10 13:30	
S-SO-56394-CB-011210-015	1001142-04	01/14/10 13:30	

QC BATCH SUMMARY
USEPA-3550B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1000371
QC Batch Matrix: Soil
Preparation: General Inorganic Prep

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000371-BLK1	01/18/10 08:00	
S-SO-56394-CB-011410-041	1000371-DUP1	01/18/10 08:00	
S-SS-56394-EV-011310-021	1001177-01	01/18/10 08:00	
S-SO-56394-CB-011410-033	1001177-02	01/18/10 08:00	
SD-SO-56394-CB-011410-033	1001177-03	01/18/10 08:00	
S-SO-56394-CB-011410-046	1001177-04	01/18/10 08:00	
S-SO-56394-CB-011410-041	1001177-05	01/18/10 08:00	
S-SO-56394-DR-011310-1011	1001177-12	01/18/10 08:00	
S-SO-56394-CB-011310-028	1001177-13	01/18/10 08:00	
S-SO-56394-CB-011410-040	1001177-14	01/18/10 08:00	
S-SO-56394-CB-011310-026	1001177-15	01/18/10 08:00	

METHOD BLANK DATA SHEET
USEPA-3550B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000328-BLK1
File ID: 0114014_PS_Jan_14_2010_0
Prepared: 01/14/10 13:30
Preparation: Method-Specific Preparat
Initial/Final: 10 g / 10 mL
Analyzed: 01/14/10 13:30
Instrument: 210
QC Batch: 1000328
Sequence: 0A14014
Calibration: UNASSIGNED

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
	Percent Solids	0.1	0.1	0.1	%	U

METHOD BLANK DATA SHEET
USEPA-3550B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000371-BLK1
File ID:
Prepared: 01/18/10 08:00
Preparation: General Inorganic Prep
Initial/Final: 10 g / 10 mL
Analyzed: 01/18/10 08:00
Instrument: 210
QC Batch: 1000371
Sequence: 0A15027
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-CB-011110-003

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
QC Batch: 1000328
Preparation: Method-Specific Preparation
Source Sample Name: S-SO-56394-CB-011110-003

SDG: PM011110
Project: Plainwell Mill
Laboratory ID: 1000328-DUP1
Lab Source ID: 1001142-02
Initial/Final: 10 g / 10 mL
% Solids: 86.34

Analyte	Control Limit	Sample Conc.	C	Dup. Conc.	C	RPD %	Q	Method	Units
Percent Solids	20	86		87		0.9		USEPA-3550B	%

* Values outside of QC limits

DUPLICATES
USEPA-3550B

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
QC Batch: 1000371
Preparation: General Inorganic Prep
Source Sample Name: S-SO-56394-CB-011410-041

SDG: PM011110
Project: Plainwell Mill
Laboratory ID: 1000371-DUP1
Lab Source ID: 1001177-05
Initial/Final: 10 g / 10 mL
% Solids: 91.25

Analyte	Control Limit	Sample Conc.	C	Dup. Conc.	C	RPD %	Q	Method	Units
Percent Solids	20	91		91		0.2		USEPA-3550B	%

* Values outside of QC limits

HOLDING TIME SUMMARY
USEPA-3550B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
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-011110-003	01/11/10	01/12/10		01/14/10	3	NA	01/14/10	3	14	
S-SS-56394-EV-011210-011	01/12/10	01/12/10		01/14/10	2	NA	01/14/10	2	14	
S-SO-56394-CB-011210-015	01/12/10	01/12/10		01/14/10	2	NA	01/14/10	2	14	
S-SS-56394-EV-011310-021	01/13/10	01/14/10		01/18/10	5	NA	01/18/10	5	14	
S-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/18/10	4	14	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/18/10	4	14	
S-SO-56394-CB-011410-046	01/14/10	01/14/10		01/18/10	4	NA	01/18/10	4	14	
S-SO-56394-CB-011410-041	01/14/10	01/14/10		01/18/10	4	NA	01/18/10	4	14	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10		01/18/10	5	NA	01/18/10	5	14	
S-SO-56394-CB-011310-028	01/13/10	01/14/10		01/18/10	5	NA	01/18/10	5	14	
S-SO-56394-CB-011410-040	01/14/10	01/14/10		01/18/10	4	NA	01/18/10	4	14	
S-SO-56394-CB-011310-026	01/13/10	01/14/10		01/18/10	5	NA	01/18/10	5	14	

Inorganic - Wet Chemistry, Soil, Jan-14-10

Instrument = 210, Calibration = UNASSIGNED

Sequence Analyses:
Solids, Total 3550B (%)

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
1000328-BLK1	QC				BLANK	
1001142-02	Solids, Total 3550B (%)	A			SulTRAC	
1000328-DUP1	QC				DUPLICATE	
1001142-03	Solids, Total 3550B (%)	A			SulTRAC	
1001142-04	Solids, Total 3550B (%)	A			SulTRAC	

Comments:

Analyst Initials:

TriMatrix Laboratories, Inc.

NLB 1-16-10

PREPARATION BATCH **1000328** Page 1 of 1

Printed: 1/15/2010 10:33:34AM

Inorganic - Wet Chemistry, Soil, Method-Specific Preparation

(No Surrogate)

Jan Dec '10 Level 4

Batch Comments: (none)

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1001142	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*
1000328-BLK1		Jan-14-10 13:30	MJB	10	10					BLANK	
1000328-DUP1		Jan-14-10 13:30	MJB	10	10		1001142-02			DUPLICATE	
1001142-02	A	Jan-14-10 13:30	MJB	10	10					SulTRAC	
1001142-03	A	Jan-14-10 13:30	MJB	10	10					SulTRAC	
1001142-04	A	Jan-14-10 13:30	MJB	10	10					SulTRAC	

Comments:	Analyst Initials:

Rerun Macro

TriMatrix Laboratories, Inc.

TOTAL PERCENT SOLIDS

BATCH INFORMATION	ANALYSIS STEPS							QUALITY CONTROL	QC BATCH AN
Sequence: 114014	**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: 01/14/10	**Step #1**	1-14-10	1130PM MJB CL	104	1-15-10	8:30	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 (mg)
1000328-BLK1		BLK1	BLK	2.2415	10	2.2415		0.0		0
1001142-02	SulTRAC	REG	2	2.2669	10.0115	10.9104	86			86.33571393
1000328-DUP1		DUP1	2	2.302	10.0045	11.0141	87			87.08181318
1001142-03	SulTRAC	REG	3	2.2673	10.1193	10.8457	85			84.77266214
1001142-04	SulTRAC	REG	4	2.234	10.0543	7.5908	53			53.27869668

Inorganic - Wet Chemistry, Soil, Jan-18-10

Instrument = 210, Calibration = UNASSIGNED

Sequence Analyses:
Solids, Total 3550B (%)

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
1000371-BLK1	QC				BLANK	
1001177-01	Solids, Total 3550B (%)	A			SulTRAC	
1001177-02	Solids, Total 3550B (%)	A			SulTRAC	
1001177-03	Solids, Total 3550B (%)	A			SulTRAC	
1001177-04	Solids, Total 3550B (%)	A			SulTRAC	
1001177-05	Solids, Total 3550B (%)	A			SulTRAC	
1000371-DUP1	QC				DUPLICATE	
1001177-12	Solids, Total 3550B (%)	A			SulTRAC	
1001177-13	Solids, Total 3550B (%)	A			SulTRAC	
1001177-14	Solids, Total 3550B (%)	A			SulTRAC	
1001177-15	Solids, Total 3550B (%)	A			SulTRAC	

Comments:

Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH **1000371** Page 1 of 1

Printed: 1/19/2010 12:43:00PM

MJB 1-25-10

Inorganic - Wet Chemistry, Soil, General Inorganic Prep

4MD

(No Surrogate)

Due Jan 28

Batch Comments: (none)

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1001177	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*
1000371-BLK1		Jan-18-10 08:00	MJB	10	10					BLANK	
1000371-DUP1		Jan-18-10 08:00	MJB	10	10		1001177-05			DUPLICATE	
1001177-01	A	Jan-18-10 08:00	MJB	10	10					SulTRAC	
1001177-02	A	Jan-18-10 08:00	MJB	10	10					SulTRAC	
1001177-03	A	Jan-18-10 08:00	MJB	10	10					SulTRAC	
1001177-04	A	Jan-18-10 08:00	MJB	10	10					SulTRAC	
1001177-05	A	Jan-18-10 08:00	MJB	10	10					SulTRAC	
1001177-12	A	Jan-18-10 08:00	MJB	10	10					SulTRAC	
1001177-13	A	Jan-18-10 08:00	MJB	10	10					SulTRAC	
1001177-14	A	Jan-18-10 08:00	MJB	10	10					SulTRAC	
1001177-15	A	Jan-18-10 08:00	MJB	10	10					SulTRAC	

Comments:

Analyst Initials:

Rerun Macro

TriMatrix Laboratories, Inc.

TOTAL PERCENT SOLIDS

BATCH INFORMATION	ANALYSIS STEPS							QUALITY CONTROL	QC BATCH AN
Sequence: 15027	**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: 01/15/10	**Step #1**	1-18-10	8:00AM	104	1-19-10	9:00 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 (mg)
1000371-BLK1		BLK1	BLK	2.2369	10	2.2374		0.0		0.005
1001177-01	SulTRAC	REG	1	2.2347	10.0622	11.4351	91			91.4352726
1001177-02	SulTRAC	REG	2	2.2967	10.0933	11.6406	93			92.57527271
1001177-03	SulTRAC	REG	3	2.2884	10.0263	11.5768	93			92.64035586
1001177-04	SulTRAC	REG	4	2.2292	10.0124	11.7901	95			95.49059167
1001177-05	SulTRAC	REG	5	2.2531	10.0637	11.4358	91			91.24576448
1000371-DUP1		DUP1	D-5	2.2459	10.0891	11.4335	91			91.06461429
1001177-12	SulTRAC	REG	12	2.2744	10.0715	7.5222	52			52.10544606
1001177-13	SulTRAC	REG	13	2.2781	10.026	11.0362	87			87.35387991
1001177-14	SulTRAC	REG	14	2.2323	10.0699	11.927	96			96.27404443

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 (mg)
1001177-15	SulTRAC	REG	15	2.2194	10.0393	11.5991	93			93.4298208

TriMatrix Laboratories, Inc.

SulTRAC

Project: Plainwell Mill

SDG: PM011110

USEPA-9014

SAMPLE ID SUMMARY

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110

Client: SulTRAC

Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-SO-56394-CB-011110-003	1001142-02
S-SS-56394-EV-011210-011	1001142-03
S-SO-56394-CB-011210-015	1001142-04
S-SS-56394-EV-011310-021	1001177-01
S-SO-56394-CB-011410-033	1001177-02
SD-SO-56394-CB-011410-033	1001177-03
S-SO-56394-CB-011410-046	1001177-04
S-SO-56394-CB-011410-041	1001177-05
S-SO-56394-DR-011310-1011	1001177-12
S-SO-56394-CB-011310-028	1001177-13
S-SO-56394-CB-011410-040	1001177-14
S-SO-56394-CB-011310-026	1001177-15

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-011110-003

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/11/10 15:35
Solids: 86.34
Laboratory ID: 1001142-02

SDG: PM011110
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/18/10 07:00
Initial/Final: 24.97 g / 250 mL
QC Batch: 1000400

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.12	mg/kg dry	1	0.12	0.077	U	01/19/10 12:10

00976

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SS-56394-EV-011210-011

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/12/10 11:20
Solids: 84.77
Laboratory ID: 1001142-03

SDG: PM011110
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/18/10 07:00
Initial/Final: 24.83 g / 250 mL
QC Batch: 1000400

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.14	mg/kg dry	1	0.12	0.079		01/19/10 12:10

00977

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-011210-015

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/12/10 16:00
Solids: 53.28
Laboratory ID: 1001142-04

SDG: PM011110
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/18/10 07:00
Initial/Final: 24.74 g / 250 mL
QC Batch: 1000400

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.19	mg/kg dry	1	0.19	0.13	U	01/19/10 12:10

00978

INORGANIC ANALYSIS DATA SHEET

USEPA-9014

S-SS-56394-EV-011310-021

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 11:35
Solids: 91.44
Laboratory ID: 1001177-01

SDG: PM011110
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/18/10 07:00
Initial/Final: 25.16 g / 250 mL
QC Batch: 1000400

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.13	mg/kg dry	1	0.11	0.073		01/19/10 12:10

00979

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-011410-033

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 09:05
Solids: 92.58
Laboratory ID: 1001177-02

SDG: PM011110
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/18/10 07:00
Initial/Final: 25.2 g / 250 mL
QC Batch: 1000400

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.089	mg/kg dry	1	0.11	0.072	J	01/19/10 12:17

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

SD-SO-56394-CB-011410-033

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 09:07
Solids: 92.64
Laboratory ID: 1001177-03

SDG: PM011110
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/18/10 07:00
Initial/Final: 26.22 g / 250 mL
QC Batch: 1000400

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		01/19/10 12:17

00981

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-011410-046

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 12:25
Solids: 95.49
Laboratory ID: 1001177-04

SDG: PM011110
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/18/10 07:00
Initial/Final: 26.64 g / 250 mL
QC Batch: 1000400

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.098	mg/kg dry	1	0.098	0.066	U	01/19/10 12:17

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 11:20
Solids: 91.25
Laboratory ID: 1001177-05

SDG: PM011110
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/18/10 07:00
Initial/Final: 25.01 g / 250 mL
QC Batch: 1000400

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.13	mg/kg dry	1	0.11	0.073		01/19/10 12:10

00983

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-DR-011310-1011

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 13:25
Solids: 52.11
Laboratory ID: 1001177-12

SDG: PM011110
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/18/10 07:00
Initial/Final: 25.05 g / 250 mL
QC Batch: 1000400

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.14	mg/kg dry	1	0.19	0.13	J	01/19/10 12:22

00984

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-011310-028

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 16:30
Solids: 87.35
Laboratory ID: 1001177-13

SDG: PM011110
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/18/10 07:00
Initial/Final: 25.15 g / 250 mL
QC Batch: 1000400

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.30	mg/kg dry	1	0.11	0.076		01/19/10 12:17

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-011410-040

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 10:25
Solids: 96.27
Laboratory ID: 1001177-14

SDG: PM011110
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/18/10 07:00
Initial/Final: 24.98 g / 250 mL
QC Batch: 1000400

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	01/19/10 12:22

00986

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-011310-026

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 15:20
Solids: 93.43
Laboratory ID: 1001177-15

SDG: PM011110
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/18/10 07:00
Initial/Final: 25.37 g / 250 mL
QC Batch: 1000400

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	01/19/10 12:22

00987

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A19032
Instrument: 298
Calibration: 0A19011

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0A19032-CAL1	011910cnm-007	01/19/10 10:42
Cal Standard	0A19032-CAL2	011910cnm-002	01/19/10 10:42
Cal Standard	0A19032-CAL3	011910cnm-003	01/19/10 10:42
Cal Standard	0A19032-CAL4	011910cnm-004	01/19/10 10:42
Cal Standard	0A19032-CAL5	011910cnm-005	01/19/10 10:42
Cal Standard	0A19032-CAL6	011910cnm-006	01/19/10 10:42
Cal Standard	0A19032-CAL7	011910cnm-001	01/19/10 10:42
Calibration Check	0A19032-CCV1	011910cnm-008	01/19/10 11:00
Calibration Blank	0A19032-CCB1	011910cnm-009	01/19/10 11:00
High Cal Check	0A19032-HCV1	011910cnm-011	01/19/10 11:00
Low Cal Check	0A19032-LCV1	011910cnm-012	01/19/10 11:00
MRL Check	0A19032-CRL1	011910cnm-013	01/19/10 11:00
Calibration Check	0A19032-CCV2	011910cnm-014	01/19/10 11:03
Calibration Blank	0A19032-CCB2	011910cnm-015	01/19/10 11:03
LCS	1000400-BS1	011910cnm-075	01/19/10 12:10
LCS	1000400-BS2	011910cnm-076	01/19/10 12:10
S-SO-56394-CB-011410-041	1001177-05	011910cnm-077	01/19/10 12:10
S-SO-56394-CB-011410-041	1000400-MS1	011910cnm-078	01/19/10 12:10
S-SO-56394-CB-011410-041	1000400-MSD1	011910cnm-079	01/19/10 12:10
S-SO-56394-CB-011110-003	1001142-02	011910cnm-080	01/19/10 12:10
Calibration Check	0A19032-CCV3	011910cnm-081	01/19/10 12:10
Calibration Blank	0A19032-CCB3	011910cnm-082	01/19/10 12:10
S-SS-56394-EV-011210-011	1001142-03	011910cnm-083	01/19/10 12:10
S-SO-56394-CB-011210-015	1001142-04	011910cnm-084	01/19/10 12:10
S-SS-56394-EV-011310-021	1001177-01	011910cnm-085	01/19/10 12:10
S-SO-56394-CB-011410-033	1001177-02	011910cnm-086	01/19/10 12:17
SD-SO-56394-CB-011410-033	1001177-03	011910cnm-087	01/19/10 12:17
Calibration Check	0A19032-CCV4	011910cnm-090	01/19/10 12:17
Calibration Blank	0A19032-CCB4	011910cnm-091	01/19/10 12:17
S-SO-56394-CB-011410-046	1001177-04	011910cnm-092	01/19/10 12:17
S-SO-56394-CB-011310-028	1001177-13	011910cnm-093	01/19/10 12:17
Blank	1000400-BLK1	011910cnm-094	01/19/10 12:22

00988

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A19032

SDG: PM011110
Project: Plainwell Mill
Instrument: 298
Calibration: 0A19011

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-011410-040	1001177-14	011910cnm-095	01/19/10 12:22
S-SO-56394-CB-011310-026	1001177-15	011910cnm-096	01/19/10 12:22
S-SO-56394-DR-011310-1011	1001177-12	011910cnm-097	01/19/10 12:22
Calibration Check	0A19032-CCV5	011910cnm-098	01/19/10 12:24
Calibration Blank	0A19032-CCB5	011910cnm-099	01/19/10 12:24

00989

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A19032
Instrument ID: 298
Control Limt: +/- 10.00%
Calibration: 0A19011

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A19032-CCV1	Cyanide, Total	0.100	0.102	102	mg/L	01/19/10 11:00
0A19032-CCV2	Cyanide, Total	0.100	0.106	106	mg/L	01/19/10 11:03
0A19032-CCV3	Cyanide, Total	0.100	0.101	101	mg/L	01/19/10 12:10
0A19032-CCV4	Cyanide, Total	0.100	0.102	102	mg/L	01/19/10 12:17
0A19032-CCV5	Cyanide, Total	0.100	0.106	106	mg/L	01/19/10 12:24

* Values outside of QC limits

00990

LOW-CONCENTRATION CALIBRATION VERIFICATION

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A19032
Instrument: 298
Laboratory ID: 0A19032-LCV1
Calibration: 0A19011

Analyte	Expected	Found	% Drift	QC Limit	Units
Cyanide, Total	0.0500	0.0500	-0.1	10.00	mg/L

* Values outside of QC limits

00991

HIGH-CONCENTRATION CALIBRATION VERIFICATION

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A19032
Instrument: 298
Laboratory ID: 0A19032-HCV1
Calibration: 0A19011

Analyte	Expected	Found	% Drift	QC Limit	Units
Cyanide, Total	0.100	0.104	4.4	10.00	mg/L

* Values outside of QC limits

00992

CRDL STANDARD

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0A19032

SDG: PM011110

Project: Plainwell Mill

Instrument ID: 298

Calibration: 0A19011

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0A19032-CRL1	Cyanide, Total	0.00500	0.00487	97	mg/L	50 - 150

* Values outside of QC limits

00993

BLANKS
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A19032
Instrument ID: 298
Calibration: 0A19011

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A19032-CCB1	Cyanide, Total	0.00012	0.010	0.0067	mg/L	U	01/19/10 11:00
0A19032-CCB2	Cyanide, Total	0.0	0.010	0.0067	mg/L	U	01/19/10 11:03
0A19032-CCB3	Cyanide, Total	0.00081	0.010	0.0067	mg/L	U	01/19/10 12:10
0A19032-CCB4	Cyanide, Total	0.00021	0.010	0.0067	mg/L	U	01/19/10 12:17
0A19032-CCB5	Cyanide, Total	0.00010	0.010	0.0067	mg/L	U	01/19/10 12:24

* Values outside of QC limits

00994

QC BATCH SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1000400
QC Batch Matrix: Soil
Preparation: 9010B Cyanide Distillation

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000400-BLK1	01/18/10 07:00	
LCS	1000400-BS1	01/18/10 07:00	
LCS	1000400-BS2	01/18/10 07:00	
S-SO-56394-CB-011410-041	1000400-MS1	01/18/10 07:00	
S-SO-56394-CB-011410-041	1000400-MSD1	01/18/10 07:00	
S-SO-56394-CB-011110-003	1001142-02	01/18/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SS-56394-EV-011210-011	1001142-03	01/18/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-011210-015	1001142-04	01/18/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SS-56394-EV-011310-021	1001177-01	01/18/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-011410-033	1001177-02	01/18/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
SD-SO-56394-CB-011410-033	1001177-03	01/18/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-011410-046	1001177-04	01/18/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-011410-041	1001177-05	01/18/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-DR-011310-1011	1001177-12	01/18/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-011310-028	1001177-13	01/18/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-011410-040	1001177-14	01/18/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-SO-56394-CB-011310-026	1001177-15	01/18/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP

00995

METHOD BLANK DATA SHEET
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000400-BLK1
File ID: 011910cnm-094
Prepared: 01/18/10 07:00
Preparation: 9010B Cyanide Distillatic
Initial/Final: 25 g / 250 mL
Analyzed: 01/19/10 12:22
Instrument: 298
QC Batch: 1000400
Sequence: 0A19032
Calibration: 0A19011

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
57-12-5	Cyanide, Total	0.067	0.10	0.10	mg/kg wet	U

00996

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-9014

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110

Project: Plainwell Mill

Preparation: 9010B Cyanide Distillation

Initial/Final: 25.21 g / 250 mL

Laboratory ID: 1000400-MS1

QC Batch: 1000400

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Cyanide, Total	1.09	0.127	1.32	110	51 - 126	mg/kg dry

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

* Values outside of QC limits

00997

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011410-041

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110

Project: Plainwell Mill

Preparation: 9010B Cyanide Distillation

Initial/Final: 25.22 g / 250 mL

Laboratory ID: 1000400-MSD1

QC Batch: 1000400

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Cyanide, Total	1.09	1.31	109	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

00998

LCS / LCS DUPLICATE RECOVERY
USEPA-9014

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

Laboratory ID: 1000400-BS1

SDG: PM011110
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Initial/Final: 25.11 g / 250 mL
QC Batch: 1000400
Sequence: 0A19032

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Cyanide, Total	0.996	0.949	95	90 - 110	mg/kg wet

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

* Values outside of QC limits

02999

LCS / LCS DUPLICATE RECOVERY
USEPA-9014

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

Laboratory ID: 1000400-BS2

SDG: PM011110
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Initial/Final: 24.52 g / 250 mL
QC Batch: 1000400
Sequence: 0A19032

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Cyanide, Total	0.510	0.480	94	90 - 110	mg/kg wet

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

* Values outside of QC limits

01099

HOLDING TIME SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110

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-011110-003	01/11/10	01/12/10		01/18/10	7	NA	01/19/10	8	14	
S-SS-56394-EV-011210-011	01/12/10	01/12/10		01/18/10	6	NA	01/19/10	7	14	
S-SO-56394-CB-011210-015	01/12/10	01/12/10		01/18/10	6	NA	01/19/10	7	14	
S-SS-56394-EV-011310-021	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	14	
S-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/19/10	5	14	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10		01/18/10	4	NA	01/19/10	5	14	
S-SO-56394-CB-011410-046	01/14/10	01/14/10		01/18/10	4	NA	01/19/10	5	14	
S-SO-56394-CB-011410-041	01/14/10	01/14/10		01/18/10	4	NA	01/19/10	5	14	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	14	
S-SO-56394-CB-011310-028	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	14	
S-SO-56394-CB-011410-040	01/14/10	01/14/10		01/18/10	4	NA	01/19/10	5	14	
S-SO-56394-CB-011310-026	01/13/10	01/14/10		01/18/10	5	NA	01/19/10	6	14	

01001

Inorganic - Wet Chemistry, Soil, Jan-19-10

Instrument = 298, Calibration = 0A19011

Sequence Analyses:
Cyanide, Total 9014

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
0A19032-CAL1	QC		0010554		CAL STANDARD	
0A19032-CAL2	QC		0010553		CAL STANDARD	
0A19032-CAL3	QC		0010552		CAL STANDARD	
0A19032-CAL4	QC		0010551		CAL STANDARD	
0A19032-CAL5	QC		0010550		CAL STANDARD	
0A19032-CAL6	QC		0010549		CAL STANDARD	
0A19032-CAL7	QC		0010548		CAL STANDARD	
0A19032-CCV1	QC		0010549		CALIBRATION CHECK	
0A19032-CCB1	QC		0010554		CALIBRATION BLANK	
0A19032-HCV1	QC		0010544		HIGH CAL CHECK	
0A19032-LCV1	QC		0010545		LOW CAL CHECK	
0A19032-CRL1	QC		0010553		MRL CHECK	
0A19032-CCV2	QC		0010549		CALIBRATION CHECK	
0A19032-CCB2	QC		0010554		CALIBRATION BLANK	
1000400-BS1	QC				LCS	
1000400-BS2	QC				LCS	
1001177-05	Cyanide, Total 9014	A 03			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1000400-MS1	QC				MATRIX SPIKE	
1000400-MSD1	QC				MATRIX SPIKE DUP	
1001142-02	Cyanide, Total 9014	A 03			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
0A19032-CCV3	QC		0010549		CALIBRATION CHECK	
0A19032-CCB3	QC		0010554		CALIBRATION BLANK	
1001142-03	Cyanide, Total 9014	A 03			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001142-04	Cyanide, Total 9014	A 03			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001177-01	Cyanide, Total 9014	A 03			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001177-02	Cyanide, Total 9014	A 03			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001177-03	Cyanide, Total 9014	A 03			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
0A19032-CCV4	QC		0010549		CALIBRATION CHECK	
0A19032-CCB4	QC		0010554		CALIBRATION BLANK	
1001177-04	Cyanide, Total 9014	A 03			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001177-13	Cyanide, Total 9014	A 03			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1000400-BLK1	QC				BLANK	
1001177-14	Cyanide, Total 9014	A 03			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP

Comments:	Analyst Initials:

Inorganic - Wet Chemistry, Soil, Jan-19-10

Instrument = 298, Calibration = 0A19011

1001177-15	Cyanide, Total 9014	A 03			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1001177-12	Cyanide, Total 9014	A 03			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
0A19032-CCV5	QC		0010549		CALIBRATION CHECK	
0A19032-CCB5	QC		0010554		CALIBRATION BLANK	

Comments:	Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1000400

due 01/26/10

Printed: 1/18/2010 7:53:10AM

4 MD

Inorganic - Wet Chemistry, Soil, 9010B Cyanide Distillation

(No Surrogate)

Batch Comments: (none)

Raw Data

Standard	Description	Solvent	LotNum
0010379	Cyanide 100 mg/L	INR10.55-8	N/A

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1001142	Cyanide, Total 9014	1001177	Cyanide, Total 9014		

Lab Number	Contain	Prepared	By	Initial (g)	Final (mL)	Dilution	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1000400-BLK1				25.00						BLANK	
1000400-BS1				25.11						LCS	
1000400-BS2				24.52						LCS	
1000400-MS1				25.21			1001177-05			MATRIX SPIKE	
1000400-MSD1				25.22			1001177-05			MATRIX SPIKE DUP	
1001142-02				24.97						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001142-03				24.83						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001142-04				24.74						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001177-01				25.16						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001177-02				25.20						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001177-03				26.22						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001177-04				26.64						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001177-05				25.01						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001177-12				25.05						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001177-13				25.15						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001177-14				24.98						SulTRAC	one week turn, if >= 0.09Jppm, set up
1001177-15				25.37						SulTRAC	one week turn, if >= 0.09Jppm, set up

Comments: ~~1st set 7:45-9:15am, 2nd set~~ 01/18/10

7:00am - 7:30am Checked for interferences

Reagents INR10.43-6, INR10.45-7, INR10.44-6, H_2SO_4 Lot# 094609

Analyst Initials:

TriMatrix Laboratories, Inc.

due 01/26/10

PREPARATION BATCH 1000400

Printed: 1/18/2010 7:53:17AM

Inorganic - Wet Chemistry, Soil, 9010B Cyanide Distillation

(No Surrogate)

4MD

Batch Comments: (none)

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1001142	Cyanide, Total 9014	1001177	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*
1000400-BLK1		Jan-18-10 07:00	LMA	25	250					BLANK	
1000400-BS1		Jan-18-10 07:00	LMA	25.11	250			0010379	250	LCS	
1000400-BS2		Jan-18-10 07:00	LMA	24.52	250			0010379	125	LCS	
1000400-MS1		Jan-18-10 07:00	LMA	25.21	250		1001177-05	0010379	250	MATRIX SPIKE	
1000400-MSD1		Jan-18-10 07:00	LMA	25.22	250		1001177-05	0010379	250	MATRIX SPIKE DUP	
1001142-02	A	Jan-18-10 07:00	LMA	24.97	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001142-03	A	Jan-18-10 07:00	LMA	24.83	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001142-04	A	Jan-18-10 07:00	LMA	24.74	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001177-01	A	Jan-18-10 07:00	LMA	25.16	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001177-02	A	Jan-18-10 07:00	LMA	25.2	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001177-03	A	Jan-18-10 07:00	LMA	26.22	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001177-04	A	Jan-18-10 07:00	LMA	26.64	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001177-05	A	Jan-18-10 07:00	LMA	25.01	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001177-12	A	Jan-18-10 07:00	LMA	25.05	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001177-13	A	Jan-18-10 07:00	LMA	25.15	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001177-14	A	Jan-18-10 07:00	LMA	24.98	250					SulTRAC	one week turn, if >= 0.09Jppm, set up
1001177-15	A	Jan-18-10 07:00	LMA	25.37	250					SulTRAC	one week turn, if >= 0.09Jppm, set up

Comments:

Analyst Initials:

Calibration results AquaKem 6.5 Page: 1

Laboratory inst#298
Konelab User

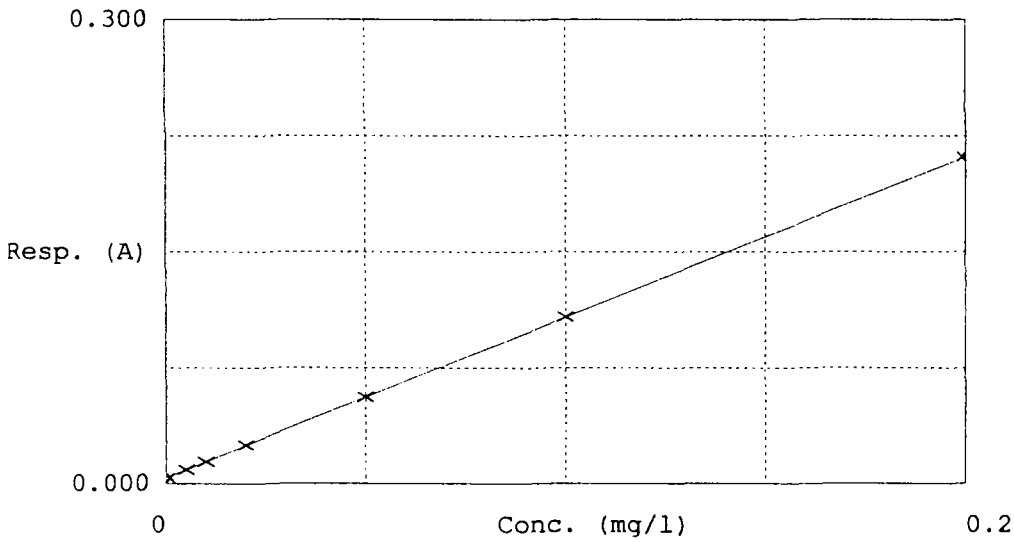
19.01.2010 10:43

Test CN

10:00am - 1:15pm
Reagents
INR10.3-2
INR10.46-8
INR9.88-2

Accepted	19.01.2010	10:43
Factor	0.964	
Bias	0.004	
Coeff. of det.	0.999996	

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	CN- 0	0.004	-0.00012	0.00000	0010554
2	CN- 0.005	0.009	0.00491	0.00500	0010553
3	CN- 0.01	0.014	0.00990	0.01000	0010552
4	CN- 0.02	0.025	0.02018	0.02000	0010551
5	CN- 0.05	0.056	0.05004	0.05000	0010550
6	CN- 0.1	0.108	0.10021	0.10000	0010549
7	CN- 0.2	0.211	0.19987	0.20000	0010548

HCV 0010544
LCV 0010545

91006

Result Report AquaKem 6.5 Page: 1

Laboratory inst#298
Konelab User

Date : 2010-01-19
Time : 13.12

Test CN
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Man.dilut
→CN CCV	0.1021	0.110	2010-01-19 11.00		
→CN CCB	0.0001	0.004	2010-01-19 11.00		
blk	0.0001	0.004	2010-01-19 11.00		
→hcv	0.1044	0.112	2010-01-19 11.00		
→lcv	0.0500	0.056	2010-01-19 11.00		
→crl	0.0049	0.009	2010-01-19 11.00		
→CN CCV	0.1057	0.114	2010-01-19 11.03		
→CN CCB	0.0000	0.004	2010-01-19 11.03		
CN CCV	0.0979	0.106	2010-01-19 11.25		
CN CCB	0.0001	0.004	2010-01-19 11.25		
blk 1/15	0.0004	0.004	2010-01-19 11.25		
bs1 1/15	0.0921	0.100	2010-01-19 11.25		
bs2 1/15	0.0391	0.045	2010-01-19 11.25		
1001167-10	0.0005	0.005	2010-01-19 11.25		
1001167-10ms	0.0975	0.105	2010-01-19 11.25		
1001167-10msd	0.0976	0.105	2010-01-19 11.25		
1001193-01	0.0005	0.005	2010-01-19 11.25		
1001193-01ms	0.0884	0.096	2010-01-19 11.25		
1001193-01msd	0.0953	0.103	2010-01-19 11.25		
1001193-03	0.0003	0.004	2010-01-19 11.32		
CN CCV	0.0965	0.104	2010-01-19 11.32		
CN CCB	0.0000	0.004	2010-01-19 11.32		
1001167-01	0.0015	0.006	2010-01-19 11.32		
1001167-02	0.0002	0.004	2010-01-19 11.32		
1001167-03	-0.0006	0.003	2010-01-19 11.32		
1001167-04	0.0001	0.004	2010-01-19 11.32		
1001167-05	0.0003	0.004	2010-01-19 11.32		
1001167-06	0.0006	0.005	2010-01-19 11.32		
1001167-07	0.0001	0.004	2010-01-19 11.32		
1001167-08	0.0000	0.004	2010-01-19 11.32		
1001167-09	0.0004	0.005	2010-01-19 11.40		
1001167-11	0.0003	0.004	2010-01-19 11.40		
CN CCV	0.0993	0.107	2010-01-19 11.40		
CN CCB	0.0002	0.004	2010-01-19 11.40		
1001167-12	0.0002	0.004	2010-01-19 11.40		
1001167-13	0.0003	0.004	2010-01-19 11.40		
1001167-14	0.0004	0.004	2010-01-19 11.40		
1001167-15	0.0026	0.007	2010-01-19 11.40		
1001167-18	0.0001	0.004	2010-01-19 11.40		
1001167-19	0.0000	0.004	2010-01-19 11.40		
1001167-20	-0.0001	0.004	2010-01-19 11.40		
mblk 1/15	0.0000	0.004	2010-01-19 11.47		
CN CCV	0.0980	0.106	2010-01-19 11.47		
CN CCB	0.0001	0.004	2010-01-19 11.47		
soil mdl 1	0.0043	0.009	2010-01-19 11.47		
soil mdl 2	0.0047	0.009	2010-01-19 11.47		
soil mdl 6	0.0046	0.009	2010-01-19 11.47		
soil mdl 7	0.0045	0.009	2010-01-19 11.55		
1001163-01	0.0000	0.004	2010-01-19 11.55		
1001163-01 dup	0.0002	0.004	2010-01-19 11.55		
CN CCV	0.1002	0.108	2010-01-19 11.55		

Laboratory inst#298
Konelab User

Date : 2010-01-19
Time : 13.12

Test CN
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Man.dilut
CN CCB	0.0003	0.004	2010-01-19 11.55		
1001163-02	0.0128	0.017	2010-01-19 11.55		
1001163-03	0.0001	0.004	2010-01-19 11.55		
1001163-04	-0.0008	0.003	2010-01-19 11.55		
blk 1/18	0.0002	0.004	2010-01-19 11.55		
bs1 1/18	0.0997	0.107	2010-01-19 11.55		
bs2 1/18	0.0408	0.046	2010-01-19 12.02		
1001170-01	0.0007	0.005	2010-01-19 12.02		
1001170-02	0.0006	0.005	2010-01-19 12.02		
1001180-02	0.0037	0.008	2010-01-19 12.02		
1001188-01	0.0008	0.005	2010-01-19 12.02		
CN CCV	0.1023	0.110	2010-01-19 12.02		
CN CCB	0.0002	0.004	2010-01-19 12.02		
1001188-02	0.0003	0.004	2010-01-19 12.02		
1001188-03	0.0013	0.005	2010-01-19 12.02		
1001208-01	0.0015	0.006	2010-01-19 12.02		
→mbs1 1/18	0.0953	0.103	2010-01-19 12.10		
→mbs2 1/18	0.0471	0.053	2010-01-19 12.10		
→1001177-05	0.0116	0.016	2010-01-19 12.10		
→1001177-05ms	0.1214	0.130	2010-01-19 12.10		
→1001177-05msd	0.1209	0.129	2010-01-19 12.10		
→1001142-02	0.0047	0.009	2010-01-19 12.10		
→CN CCV	0.1012	0.109	2010-01-19 12.10		
→CN CCB	0.0008	0.005	2010-01-19 12.10		
→1001142-03	0.0119	0.016	2010-01-19 12.10		
→1001142-04	0.0054	0.010	2010-01-19 12.10		
→1001177-01	0.0117	0.016	2010-01-19 12.10		
→1001177-02	0.0083	0.013	2010-01-19 12.17		
→1001177-03	0.0108	0.015	2010-01-19 12.17		
mbs1 1/15	0.0917	0.099	2010-01-19 12.17		
mbs2 1/15	0.0466	0.052	2010-01-19 12.17		
→CN CCV	0.1016	0.109	2010-01-19 12.17		
→CN CCB	0.0002	0.004	2010-01-19 12.17		
→1001177-04	-0.0023	0.002	2010-01-19 12.17		
→1001177-13	0.0263	0.031	2010-01-19 12.17		
→mblk 1/18	0.0004	0.004	2010-01-19 12.22		
→1001177-14	0.0014	0.005	2010-01-19 12.22		
→1001177-15	0.0008	0.005	2010-01-19 12.22		
→1001177-12	0.0073	0.012	2010-01-19 12.22		
→CN CCV	0.1063	0.114	2010-01-19 12.24		
→CN CCB	0.0001	0.004	2010-01-19 12.24		
CN CCV	0.1031	0.111	2010-01-19 12.52		
CN CCB	0.0003	0.004	2010-01-19 12.52		
blk 1/19	0.0005	0.005	2010-01-19 12.52		
bs1 1/19	0.0967	0.104	2010-01-19 12.52		
bs2 1/19	0.0412	0.047	2010-01-19 12.52		
1001215-01	0.0038	0.008	2010-01-19 12.52		
1001215-01ms	0.1026	0.111	2010-01-19 12.52		
soil mdl 3	0.0050	0.009	2010-01-19 12.52		
soil mdl 4	0.0048	0.009	2010-01-19 12.52		
soil mdl 5	0.0050	0.009	2010-01-19 12.52		

Laboratory inst#298
Konelab User

Date : 2010-01-19
Time : 13.12

Test CN
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Man.dilut
soil mdl verific	0.0049	0.009	2010-01-19 12.52		
1001215-01msd	0.1060	0.114	2010-01-19 12.59		
CN CCV	0.1031	0.111	2010-01-19 12.59		
CN CCB	0.0003	0.004	2010-01-19 12.59		
mblk 1/19	0.0005	0.005	2010-01-19 12.59		
mbs1 1/19	0.0948	0.102	2010-01-19 12.59		
mbs2 1/19	0.0466	0.052	2010-01-19 12.59		
1001209-01	0.0033	0.007	2010-01-19 12.59		
1001209-02	0.0084	0.013	2010-01-19 12.59		
1001209-03	0.0026	0.007	2010-01-19 12.59		
1001209-04	0.0028	0.007	2010-01-19 12.59		
CN CCV	0.1052	0.113	2010-01-19 13.05		
CN CCB	0.0003	0.004	2010-01-19 13.05		