EPA Region 5 Records Ctr.
350183

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

TRANSMITTAL FORM

Date: February 17, 2010

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

312.201.7491

Project Name: Sultrac -- Plainwell Mill

SDG: PM020110

Work Order (s): 1002041, 1002085

WE ARE SENDING YOU:

By: ☐ US Mail ☒ FedEx ☐ Courier ☐ Other

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

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

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

THESE ARE TRANSMITTED AS CHECKED BELOW:

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

REMARKS:

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

BY: Lisa Harvey
Project Chemist

TRIMATRIX LABORATORIES

DATA VALIDATION PACKAGE

Prepared for:

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

Project:

Plainwell Mill

Sample Delivery Group (SDG):

PM020110

Date:

February 17, 2010

Prepared by:

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

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TRIMATRIX LABORATORIES

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SulTRAC
Plainwell Mill

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SDG: PM020110

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TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

SulTRAC
Plainwell Mill

SDG Executive Summary

This case narrative applies to samples received on February 02, 2010 through February 04, 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

02-17-2010
Date

SDG: PM020110

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TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Sample Receipt and Login -- Work Order: 1002041

TriMatrix Laboratories received the cooler(s) for this work order on February 02, 2010, at 17:38pm. Receiving documents include field chain-of-custody (COC) record(s), sample receipt form(s), and Client Drop-Off shipping document(s). The condition of the custody seals, the type and location of the coolant, and the temperatures recorded for each cooler are presented on the TriMatrix *Sample Receiving / Log-In Checklist* provided in section A of this package. The receipt temperature of the samples was determined by using an infrared thermometer to record the temperature of three random samples of varying container types and the accompanying temperature blank, if present.

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

Field Sample Name	Laboratory Sample ID	Matrix	Date Sampled
S-GW-56394-CB-020110-199	1002041-01	Water	2/1/2010
S-GW-56394-CB-020110-201	1002041-02	Water	2/1/2010
S-GW-56394-CB-020210-205	1002041-03	Water	2/2/2010
SD-GW-56394-CB-020210-205	1002041-04	Water	2/2/2010

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

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TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Sample Receipt and Login -- Work Order: 1002085

TriMatrix Laboratories received the cooler(s) for this work order on February 04, 2010, at 17:00pm. Receiving documents include field chain-of-custody (COC) record(s), sample receipt form(s), and Client Drop-Off shipping document(s). The condition of the custody seals, the type and location of the coolant, and the temperatures recorded for each cooler are presented on the TriMatrix *Sample Receiving / Log-In Checklist* provided in section A of this package. The receipt temperature of the samples was determined by using an infrared thermometer to record the temperature of three random samples of varying container types and the accompanying temperature blank, if present.

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

Field Sample Name	Laboratory Sample ID	Matrix	Date Sampled
S-GW-56394-CB-020310-210	1002085-01	Water	2/3/2010
S-GW-56394-CB-020410-217	1002085-02	Water	2/4/2010

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

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TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Attachment 1
Project Technical Narrative

Sample Result Reporting Convention

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

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

Data Qualifier Designation

If applicable, sample results are qualified with:

a "J" flag if the analyte was detected, but the concentration is greater than the MDL and less than the RL;

a "B" flag if the analyte was also detected at or above the RL in the associated method blank, and the sample concentration was less than five times the method blank result;

an "E" flag if the analyte exceeded the instrument calibration range;

an asterisk (*) if a report-generated statement of qualification applies; qualifying statements, if any, will be found in Attachment 2 to this narrative.

Batch and Analytical Batch Designation

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

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

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TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Total Metals by EPA 6000/7000 Series Methods

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

Analysis: USEPA-6010B

Sample/Analyte:		
	1002041-03 S-GW-56394-CB-020210-205	Iron
	1002041-04 SD-GW-56394-CB-020210-205	Iron
	1002085-01 S-GW-56394-CB-020310-210	Iron

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:		
	1002041-01 S-GW-56394-CB-020110-199	Iron
	1002041-02 S-GW-56394-CB-020110-201	Iron
	1002085-02 S-GW-56394-CB-020410-217	Iron

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

Analysis: USEPA-6010B

Sample/Analyte:		
	1002041-01 S-GW-56394-CB-020110-199	Magnesium
	1002041-01 S-GW-56394-CB-020110-199	Manganese

Qualification: The post-digestion spike recovery for this sample was outside the control limit. Sample matrix interference is suspected and the reported result must be considered as estimated.

Analysis: USEPA-6010B

Sample/Analyte:		
	1002041-01 S-GW-56394-CB-020110-199	Magnesium
	1002041-01 S-GW-56394-CB-020110-199	Manganese

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

Analysis: USEPA-6020A

Sample/Analyte:		
	1002085-02 S-GW-56394-CB-020410-217	Copper

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TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

Total Metals by EPA 6000/7000 Series Methods

Qualification: This analyte was not present in this sample at a concentration greater than 100 times the MDL, therefore serial dilution is not required.

Analysis: USEPA-6020A

Sample/Analyte: 1002041-01 S-GW-56394-CB-020110-199 Arsenic

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TRIMATRIX
LABORATORIES

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. 06323

For Lab Use Only
Cart 1, cooler
VOA Rack/Tray —
Receipt Log No. 44-27
Project Chemist: Lisa Harvey
Work Order No. 1002041

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		⇦ PRESERVATIVES
	Total Metals* (soil)	Total CN, %S (soil)	SPLP-Metals* (soil)	SPLP-Cyanide (Soil)		Total CN (wtr)	Total Metals* (wtr)	LLHg (wtr)	Dissolved Metals* (wtr)		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
	Container Type (corresponds to Container Packing List)										H Other (note below)
	17	17	17	17		5	6	23	15		
	Number of Containers Submitted										

Schedule	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	Comp / Grab	Matrix	Total	Sample Comments
03		01	1	S-GW-56394-CB-020110-199	TRC 0344	02-01-10	1050	grab	wtr	2	
			2	S-GW-56394-CB-020110-199		02-01-10	1050	grab	wtr	2	
03		02	3	S-GW-56394-CB-020110-201		02-01-10	1505	grab	wtr	1	
			4	S-GW-56394-CB-020110-201		02-01-10	1505	grab	wtr	1	
			5	S-GW-56394-CB-020110-201		02-01-10	1505	grab	wtr	2	
03		03	6	S-GW-56394-CB-020210-205		02-02-10	0920	grab	wtr	2	
			7	S-GW-56394-CB-020210-205		02-02-10	0920	grab	wtr	2	
03		04	8	SD-GW-56394-CB-020210-205		02-02-10	0950	grab	wtr	2	
			9	SD-GW-56394-CB-020210-205		02-02-10	0950	grab	wtr	2	
			10								

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

How Shipped? Hand delivered
Tracking No.

Comments: Jeff gets summary report in 10 business days; DVP/CD in 20 business days. Jeff gets the invoice. EPA Region 5 EDD and EPA-SEDD for this project. *Metals: Al,Sb,As,Ba,Be,Cd,Cr,Co,Cu,Fe,Pb,Mg,Mn,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	2-2-10	17:38						
1. Received By	**Date**	**Time**	**2. Received By**	**Date**	**Time**	**3. Received For Lab By**	**Date**	**Time**
						D. Norden	2-2-10	17:38

TriMatrix Laboratories, Inc.

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

Chain of Custody Record

COC No. 06339

For Lab Use Only

Cart: 1, Cooler

VOA Rack/Tray: –

Receipt Log No.: 47-20

Project Chemist: Lisa Harvey

Work Order No.: R-1002085

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											
		-01	1	S-GW-56394-CB-020310-210	TM 2295	02/03/10	0840	grab	WTR						X	X				2	MS/MSD
			2	S-GW-56394-CB-020310-210	↓	02/03/10	0840	grab	WTR								X			4	MS/MSD
		-02	3	S-GW-56394-CB-020410-217	↓	02/04/10	0845	grab	WTR						X	X				2	
			4	S-GW-56394-CB-020410-217	↓	02/04/10	0845	grab	WTR								X			2	
			5																		
			6																		
			7																		
			8																		
			9																		
			10																		

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

Sampled By (print): Kristi Rook

Sampler's Signature: [signature]

Company:

How Shipped? hand delivered

Tracking No.:

Comments: Jeff gets summary report in 10 business days; DVP/CD in 20 business days. Jeff gets the invoice. EPA Region 5 EDD and EPA-SEDD for this project. *Metals: Al,Sb,As,Ba,Be,Cd,Cr,Co,Cu,Fe,Pb,Mg,Mn,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 Rook	2-4-10	17:45						

1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
						[signature]	2/4/10	17:4

00011

TriMatrix Laboratories, Inc.

SAMPLE RECEIVING / LOG-IN CHECKLIST

Client: Sultrac | Project-Submittal No. New / Add To: 1002041
Receipt Record Page/Line No.: 44-27 | Project Chemist: MH | Sample Nos.: 01-04

Coolers Received

Recorded by (initials/date): DN 2/2/10

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

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

Cooler No.	Time	Custody Seals	Coolant Location	Coolant/Temperature Taken Via	Alternate Temperature Taken Via	Recorded °C	Correction Factor °C	Actual °C	TB location: Representative / Not Representative	Average °C	Cooler ID on COC?	VOC Trip Blank received?
TM0344	18:34	☑ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☑ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	☑ Temperature Blank (TB) ☐ 1 Container	Temp Blank:	0	4.1			☑	☐
						1: 3.9	0	3.9	Representative			
						2: 3.0	0	3.0	Representative			
						3: 2.3	0	2.3	Representative	3.7		
		☐ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	☐ Temperature Blank (TB) ☐ 1 Container	Temp Blank:					☐	☐
						1						
						2						
						3						
											☐	☐
		☐ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	☐ Temperature Blank (TB) ☐ 1 Container	Temp Blank:					☐	☐
						1						
						2						
						3						
											☐	☐
		☐ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	☐ Temperature Blank (TB) ☐ 1 Container	Temp Blank:					☐	☐
						1						
						2						
						3						
											☐	☐

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

Paperwork Received

☐ No COC Received

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

COC ID Nos.

☑ TriMatrix 06323

☐ 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 2/2/10	DN 2/2/10	Yes / No

TriMatrix Laboratories, Inc.

SAMPLE RECEIVING / LOG-IN CHECKLIST

Client: Sultrac | Project-Submittal No.: New / Add To R-1002085
Receipt Record Page/Line No.: 47-20 | Project Chemist: DMH | Sample Nos.: 01-02

Coolers Received

Recorded by (initials/date): DN 2/4/10

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

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

Cooler No.	Time
1142295	19:40

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

Coolant Location: Dispersed / Top / Middle / Bottom

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

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

	Recorded °C	Correction Factor °C	Actual °C
Temp Blank:		0	1.7
TB location: Representative / Not Representative			
1	2.1	0	3.1
2	2.7	0	3.7
3	2.6	0	3.6
		Average °C	2.5

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

Cooler No.	Time

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

Coolant Location: Dispersed / Top / Middle / Bottom

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

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

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

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

Cooler No.	Time

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

Coolant Location: Dispersed / Top / Middle / Bottom

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

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

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

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

Cooler No.	Time

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

Coolant Location: Dispersed / Top / Middle / Bottom

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

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

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

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

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

Paperwork Received

☐ No COC Received

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

COC ID Nos.: D6339

☑ 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 2/4/10	DN 2/4/10	Yes / No

TriMatrix Laboratories, Inc.

SAMPLE PRESERVATION VERIFICATION FORM

page 1 of 1

Client: SUltrac		Project-Submittal No.: 1002041	
Receipt Log No.: 44-27	Completed By (initials/date): DN 2/2/10	Project Chemist: 01-04 (MH	

COC ID No.	Adjusted by: ____ Date: ____				DO NOT ADJUST pH FOR THESE CONTAINER TYPES			
06323								
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

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

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

TriMatrix Laboratories, Inc.

SAMPLE PRESERVATION VERIFICATION FORM

page 1 of 1

Client	Project-Submittal No.
SulfaC	R-1002085
Receipt Log No. 47-20	Completed By (initials/date) QN 3/4/10
	Project Chemist LNH

COC ID No. 06339			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

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

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

TRIMATRIX LABORATORIES

SECTION - B

INTERNAL COC RECORDS

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

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

Project Manager: **Lisa M. Harvey**
Date Received: **Feb-02-10 17:38**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002041-01 S-GW-56394-CB-020110-199	B	ma Scott	2-4-10 7:00Am	2-4-10 4:00pm	no	B01
1002041-02 S-GW-56394-CB-020110-201	〃	〃	〃	〃	〃	〃
1002041-03 S-GW-56394-CB-020210-205	〃	〃	〃	〃	〃	〃
1002041-04 SD-GW-56394-CB-020210-205	B	ma Scott	2-4-10 7:00Am	2-4-10 4:00pm	no	B01

000117

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

Project Manager: **Lisa M. Harvey**
Date Received: **Feb-02-10 17:38**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002041-01 S-GW-56394-CB-020110-199	B01	Ken Vosen	2-4-10 4:00pm	2-8-10 11:55AM	no	
1002041-02 S-GW-56394-CB-020110-201	"	"	"	"	"	
1002041-03 S-GW-56394-CB-020210-205						
1002041-04 SD-GW-56394-CB-020210-205	B01	Ken Vosen	2-4-10 4:00pm	2-8-10 11:55 AM	no	

00013

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

Project Manager: **Lisa M. Harvey**
Date Received: **Feb-02-10 17:38**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002041-01 S-GW-56394-CB-020110-199	B	Tya Scott	2-4-10 7:00Am	2-4-10 4:00pm	no	8oz
1002041-02 S-GW-56394-CB-020110-201	"	"	"	"	"	"
1002041-03 S-GW-56394-CB-020210-205	"	"	"	"	"	"
1002041-04 SD-GW-56394-CB-020210-205	B	Tya Scott	2-4-10 7:00Am	2-4-10 4:00pm	no	8oz

0015

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

Project Manager: **Lisa M. Harvey**
Date Received: **Feb-02-10 17:38**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002041-01 S-GW-56394-CB-020110-199	B02	David Johnson	2-04-10 4:00 Pm	2-13-10 12:20 Am	NO	
1002041-02 S-GW-56394-CB-020110-201	"	"	"	"	"	
1002041-03 S-GW-56394-CB-020210-205	"	"	"	"	"	
1002041-04 SD-GW-56394-CB-020210-205	B02	David Johnson	2-04-10 4:00 Pm	2-13-10 12:20 Am	NO	

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

Project Manager: **Lisa M. Harvey**
Date Received: **Feb-02-10 17:38**

Department: **Metals** Analysis: WBE Pretreatment

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002041-01 S-GW-56394-CB-020110-199	C	Melanie Sanford	2/8/10 12:40	2/8/10 12:50	No	
1002041-02 S-GW-56394-CB-020110-201	C	"	"	"	No	
1002041-03 S-GW-56394-CB-020210-205	C	"	"	"	No	
1002041-04 SD-GW-56394-CB-020210-205	C	Melanie Sanford	2/8/10 12:40	2/8/10 12:50	No	

00021

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

Project Manager: **Lisa M. Harvey**
Date Received: **Feb-02-10 17:38**

Department: **Metals** Analysis: 1631E

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002041-01 S-GW-56394-CB-020110-199	C01	Melanie Snyder	2/8/10 12:50	2/9/10 20:10	yes	
1002041-02 S-GW-56394-CB-020110-201	C01	"	"	"	yes	
1002041-03 S-GW-56394-CB-020210-205	C01	"	"	"	yes	
1002041-04 SD-GW-56394-CB-020210-205	C01	Melanie Snyder	2/8/10 12:50	2/9/10 20:10	yes	

00222

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

Project Manager: **Lisa M. Harvey**
Date Received: **Feb-04-10 17:00**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002085-01 S-GW-56394-CB-020310-210	B	Ma Scott	2-9-10 7:00Am	2-9-10 4:00pm	no	Bo1
1002085-02 S-GW-56394-CB-020410-217	B	Ma Scott	2-9-10 7:00Am	2-9-10 4:00pm	no	Bo1

00023

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

Project Manager: **Lisa M. Harvey**
Date Received: **Feb-04-10 17:00**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002085-01 S-GW-56394-CB-020310-210	B01	Joanne Foy	2/9/10 4:00pm	2/10/10 1:55pm	NO	
1002085-02 S-GW-56394-CB-020410-217	B01	Joanne Foy	2/9/10 4:00pm	2/10/10 1:55pm	NO	

h2000 : 0002h

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

Project Manager: **Lisa M. Harvey**
Date Received: **Feb-04-10 17:00**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002085-01 S-GW-56394-CB-020310-210	B	Ma Scott	2-9-10 7:00AM	2-9-10 4:00pm	no	B02
1002085-02 S-GW-56394-CB-020410-217	B	Ma Scott	2-9-10 7:00AM	2-9-10 4:00pm	no	B02

00025

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

Project Manager: **Lisa M. Harvey**
Date Received: **Feb-04-10 17:00**

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002085-01 S-GW-56394-CB-020310-210	B02	David Johnson	2-09-10 4:00pm	2-13-10 1220Am	NO	
1002085-02 S-GW-56394-CB-020410-217	B02	David Johnson	2-09-10 4:00pm	2-13-10 1220Am	NO	

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

Project Manager: **Lisa M. Harvey**
Date Received: **Feb-04-10 17:00**

Department: **Metals** Analysis: 1081 E Pretreatment

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002085-01 S-GW-56394-CB-020310-210	C		2/8/10 13:31	2/8/10 13:40	No	
1002085-02 S-GW-56394-CB-020410-217	C		2/8/10 13:31	2/8/10 13:40	No	

00027

Internal Chain of Custody --- Work Order # **1002085**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Feb-04-10 17:00**

Department: **Metals**

Analysis: W81E

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002085-01 S-GW-56394-CB-020310-210	C01	Melanie S Nye	2/8/10 13:40	2/9/10 20:10	yes	
1002085-02 S-GW-56394-CB-020410-217	C01	Melanie S Nye	2/8/10 13:40	2/9/10 20:10	yes	

00028

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

Project Manager: **Lisa M. Harvey**
Date Received: **Feb-02-10 17:38**

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*
1002041-01 S-GW-56394-CB-020110-199	A	Lucy M Harvey	02/04/10 7:00am	02/04/10 7:30am	NO	A01
1002041-02 S-GW-56394-CB-020110-201	A	"	"	"	NO	A01
1002041-03 S-GW-56394-CB-020210-205	A	"	"	"	NO	A01
1002041-04 SD-GW-56394-CB-020210-205	A	Lucy M Harvey	02/04/10 7:00am	02/04/10 7:30am	NO	A01

00029

Internal Chain of Custody --- Work Order # **1002041**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Feb-02-10 17:38**

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*
1002041-01 S-GW-56394-CB-020110-199	A01	Lucy M Slusny	02/05/10 10:30am	02/05/10 1:00pm	NO	—
1002041-02 S-GW-56394-CB-020110-201	A01	"	"	"	"	—
1002041-03 S-GW-56394-CB-020210-205	A01	"	"	"	"	—
1002041-04 SD-GW-56394-CB-020210-205	A01	Lucy M Slusny	02/05/10 10:30am	02/05/10 1:00pm	NO	—

00030

Internal Chain of Custody --- Work Order # **1002085**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Feb-04-10 17:00**

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*
1002085-01 S-GW-56394-CB-020310-210	A	Lucy M Harvey	02/05/10 6:55am	02/05/10 7:20am	NO	A01
1002085-02 S-GW-56394-CB-020410-217	A	Lucy M Harvey	02/05/10 6:55am	02/05/10 7:20am	NO	A01

00031

Internal Chain of Custody --- Work Order # **1002085**

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

Project Manager: **Lisa M. Harvey**
Date Received: **Feb-04-10 17:00**

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*
1002085-01 S-GW-56394-CB-020310-210	A01	Lucy M Delany	02/05/10 10:30am	02/05/10 1:00pm	NO	—
1002085-02 S-GW-56394-CB-020410-217	A01	Lucy M Delany	02/05/10 10:30am	02/05/10 1:00pm	NO	—

00032

TRIMATRIX LABORATORIES

SECTION - C

INORGANIC - METALS

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Individual sample results relate only to the sample tested.

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TriMatrix Laboratories, Inc.

SulTRAC

Project: Plainwell Mill

SDG: PM020110

USEPA-1631E

SAMPLE ID SUMMARY
USEPA-1631E

Laboratory: TriMatrix Laboratories, Inc. SDG: PM020110

Client: SulTRAC Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-GW-56394-CB-020110-199	1002041-01
S-GW-56394-CB-020110-201	1002041-02
S-GW-56394-CB-020210-205	1002041-03
SD-GW-56394-CB-020210-205	1002041-04
S-GW-56394-CB-020310-210	1002085-01
S-GW-56394-CB-020410-217	1002085-02

INORGANIC ANALYSIS DATA SHEET
USEPA-1631E

S-GW-56394-CB-020110-199

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 02/01/10 10:50
Solids: 0.00
Laboratory ID: 1002041-01

SDG: PM020110
Project: Plainwell Mill
Preparation: 1631E Digestion
Prepared: 02/08/10 12:40
Initial/Final: 40 mL / 40 mL
QC Batch: 1001217

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.259	ng/L	1	0.500	0.179	J	02/09/10 16:39

INORGANIC ANALYSIS DATA SHEET
USEPA-1631E

S-GW-56394-CB-020110-201

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 02/01/10 15:05
Solids: 0.00
Laboratory ID: 1002041-02

SDG: PM020110
Project: Plainwell Mill
Preparation: 1631E Digestion
Prepared: 02/08/10 12:40
Initial/Final: 40 mL / 40 mL
QC Batch: 1001217

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.500	ng/L	1	0.500	0.179	U	02/09/10 16:43

00037

INORGANIC ANALYSIS DATA SHEET
USEPA-1631E

S-GW-56394-CB-020210-205

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 02/02/10 09:20
Solids: 0.00
Laboratory ID: 1002041-03

SDG: PM020110
Project: Plainwell Mill
Preparation: 1631E Digestion
Prepared: 02/08/10 12:40
Initial/Final: 40 mL / 40 mL
QC Batch: 1001217

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	7.51	ng/L	1	0.500	0.179		02/09/10 16:48

INORGANIC ANALYSIS DATA SHEET
USEPA-1631E

SD-GW-56394-CB-020210-205

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 02/02/10 09:50
Solids: 0.00
Laboratory ID: 1002041-04

SDG: PM020110
Project: Plainwell Mill
Preparation: 1631E Digestion
Prepared: 02/08/10 12:40
Initial/Final: 40 mL / 40 mL
QC Batch: 1001217

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	8.14	ng/L	1	0.500	0.179		02/09/10 16:52

INORGANIC ANALYSIS DATA SHEET
USEPA-1631E

S-GW-56394-CB-020310-210

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 02/03/10 08:40
Solids: 0.00
Laboratory ID: 1002085-01

SDG: PM020110
Project: Plainwell Mill
Preparation: 1631E Digestion
Prepared: 02/08/10 13:31
Initial/Final: 40 mL / 40 mL
QC Batch: 1001221

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	0.258	ng/L	1	0.500	0.179	J	02/09/10 19:07

INORGANIC ANALYSIS DATA SHEET
USEPA-1631E

S-GW-56394-CB-020410-217

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 02/04/10 08:45
Solids: 0.00
Laboratory ID: 1002085-02

SDG: PM020110
Project: Plainwell Mill
Preparation: 1631E Digestion
Prepared: 02/08/10 13:31
Initial/Final: 40 mL / 40 mL
QC Batch: 1001221

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, Total	2.00	ng/L	1	0.500	0.179		02/09/10 19:20

00041

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-1631E

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B10039

SDG: PM020110
Project: Plainwell Mill
Instrument: 202
Calibration: 0B17002

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B10039-CAL6	F09LLHG-006	02/09/10 11:55
Cal Standard	0B10039-CAL7	F09LLHG-007	02/09/10 11:59
Cal Standard	0B10039-CAL8	F09LLHG-008	02/09/10 12:03
Cal Standard	0B10039-CAL1	F09LLHG-009	02/09/10 12:11
Cal Standard	0B10039-CAL2	F09LLHG-010	02/09/10 12:15
Cal Standard	0B10039-CAL3	F09LLHG-011	02/09/10 12:20
Cal Standard	0B10039-CAL5	F09LLHG-014	02/09/10 12:41
Cal Standard	0B10039-CAL4	F09LLHG-015	02/09/10 12:51
Secondary Cal Check	0B10039-SCV1	F09LLHG-016	02/09/10 12:57
Calibration Check	0B10039-CCV1	F09LLHG-016	02/09/10 12:57
Calibration Check	0B10039-CCV2	F09LLHG-054	02/09/10 15:39
Secondary Cal Check	0B10039-SCV2	F09LLHG-055	02/09/10 15:44
LCS	1001217-BS1	F09LLHG-055	02/09/10 15:44
Blank	1001217-BLK1	F09LLHG-056	02/09/10 15:48
Blank	1001217-BLK2	F09LLHG-067	02/09/10 16:35
S-GW-56394-CB-020110-199	1002041-01	F09LLHG-068	02/09/10 16:39
S-GW-56394-CB-020110-201	1002041-02	F09LLHG-069	02/09/10 16:43
S-GW-56394-CB-020210-205	1002041-03	F09LLHG-070	02/09/10 16:48
SD-GW-56394-CB-020210-205	1002041-04	F09LLHG-071	02/09/10 16:52
Blank	1001217-BLK3	F09LLHG-082	02/09/10 17:40
Calibration Check	0B10039-CCV3	F09LLHG-083	02/09/10 17:44
Secondary Cal Check	0B10039-SCV3	F09LLHG-084	02/09/10 17:54
Calibration Check	0B10039-CCV4	F09LLHG-114	02/09/10 20:10

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-1631E

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B10040

SDG: PM020110
Project: Plainwell Mill
Instrument: 202
Calibration: 0B17003

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B10040-CAL6	F09LLHG-006	02/09/10 11:55
Cal Standard	0B10040-CAL7	F09LLHG-007	02/09/10 11:59
Cal Standard	0B10040-CAL8	F09LLHG-008	02/09/10 12:03
Cal Standard	0B10040-CAL1	F09LLHG-009	02/09/10 12:11
Cal Standard	0B10040-CAL2	F09LLHG-010	02/09/10 12:15
Cal Standard	0B10040-CAL3	F09LLHG-011	02/09/10 12:20
Cal Standard	0B10040-CAL5	F09LLHG-014	02/09/10 12:41
Cal Standard	0B10040-CAL4	F09LLHG-015	02/09/10 12:51
Secondary Cal Check	0B10040-SCV1	F09LLHG-084	02/09/10 17:54
Calibration Check	0B10040-CCV1	F09LLHG-084	02/09/10 17:54
LCS	1001221-BS1	F09LLHG-084	02/09/10 17:54
Blank	1001221-BLK1	F09LLHG-085	02/09/10 18:04
Blank	1001221-BLK2	F09LLHG-099	02/09/10 19:03
S-GW-56394-CB-020310-210	1002085-01	F09LLHG-100	02/09/10 19:07
S-GW-56394-CB-020310-210	1001221-MS1	F09LLHG-101	02/09/10 19:12
S-GW-56394-CB-020310-210	1001221-MSD1	F09LLHG-102	02/09/10 19:16
S-GW-56394-CB-020410-217	1002085-02	F09LLHG-103	02/09/10 19:20
Blank	1001221-BLK3	F09LLHG-113	02/09/10 20:02
Calibration Check	0B10040-CCV2	F09LLHG-114	02/09/10 20:10

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-1631E

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B10039
Instrument ID:202
Control Limt: +/- 23.00%
Calibration: 0B17002

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B10039-CCV1	Mercury	3.00	3.029	101	ng/L	02/09/10 12:57
0B10039-CCV2	Mercury	5.00	4.863	97	ng/L	02/09/10 15:39
0B10039-CCV3	Mercury	5.00	4.968	99	ng/L	02/09/10 17:44
0B10039-CCV4	Mercury	5.00	5.302	106	ng/L	02/09/10 20:10

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-1631E

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B10040
Instrument ID:202
Control Limt: +/- 23.00%
Calibration: 0B17003

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B10040-CCV1	Mercury	3.00	3.235	108	ng/L	02/09/10 17:54
0B10040-CCV2	Mercury	5.00	5.302	106	ng/L	02/09/10 20:10

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-1631E

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B10039
Instrument: 202
Laboratory ID: 0B10039-SCV1
Calibration: 0B17002

Analyte	Expected	Found	% R	QC Limit	Units
Mercury	3.00	3.029	101	77-123	ng/L

* Values outside of QC limits

: 00046

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-1631E

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B10039
Instrument: 202
Laboratory ID: 0B10039-SCV2
Calibration: 0B17002

Analyte	Expected	Found	% R	QC Limit	Units
Mercury	3.00	2.780	93	77-123	ng/L

* Values outside of QC limits

: 00047

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-1631E

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B10039
Instrument: 202
Laboratory ID: 0B10039-SCV3
Calibration: 0B17002

Analyte	Expected	Found	% R	QC Limit	Units
Mercury	3.00	3.235	108	77-123	ng/L

* Values outside of QC limits

: 00048

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-1631E

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B10040
Instrument: 202
Laboratory ID: 0B10040-SCV1
Calibration: 0B17003

Analyte	Expected	Found	% R	QC Limit	Units
Mercury	3.00	3.235	108	77-123	ng/L

* Values outside of QC limits

00049

QC BATCH SUMMARY
USEPA-1631E

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM020110

Client: SulTRAC

Project: Plainwell Mill

QC Batch: 1001217 QC Batch Matrix: Water

Preparation: 1631E Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1001217-BLK1	02/08/10 12:40	
Blank	1001217-BLK2	02/08/10 12:40	
Blank	1001217-BLK3	02/08/10 12:40	
LCS	1001217-BS1	02/08/10 12:40	
S-GW-56394-CB-020110-199	1002041-01	02/08/10 12:40	wtr
S-GW-56394-CB-020110-201	1002041-02	02/08/10 12:40	wtr
S-GW-56394-CB-020210-205	1002041-03	02/08/10 12:40	wtr
SD-GW-56394-CB-020210-205	1002041-04	02/08/10 12:40	wtr

QC BATCH SUMMARY
USEPA-1631E

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1001221
QC Batch Matrix: Water
Preparation: 1631E Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1001221-BLK1	02/08/10 13:31	
Blank	1001221-BLK2	02/08/10 13:31	
Blank	1001221-BLK3	02/08/10 13:31	
LCS	1001221-BS1	02/08/10 13:31	
S-GW-56394-CB-020310-210	1001221-MS1	02/08/10 13:31	
S-GW-56394-CB-020310-210	1001221-MSD1	02/08/10 13:31	
S-GW-56394-CB-020310-210	1002085-01	02/08/10 13:31	wtr
S-GW-56394-CB-020410-217	1002085-02	02/08/10 13:31	wtr

METHOD BLANK DATA SHEET
USEPA-1631E

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
Laboratory ID: 1001217-BLK1
File ID: F09LLHG-056
Prepared: 02/08/10 12:40
Preparation: 1631E Digestion
Initial/Final: 40 mL / 40 mL
Analyzed: 02/09/10 15:48
Instrument: 202
QC Batch: 1001217
Sequence: 0B10039
Calibration: 0B17002

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7439-97-6	Mercury, Total	0.179	0.500	0.500	ng/L	U

METHOD BLANK DATA SHEET
USEPA-1631E

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
Laboratory ID: 1001217-BLK2
File ID: F09LLHG-067
Prepared: 02/08/10 12:40
Preparation: 1631E Digestion
Initial/Final: 40 mL / 40 mL
Analyzed: 02/09/10 16:35
Instrument: 202
QC Batch: 1001217
Sequence: 0B10039
Calibration: 0B17002

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7439-97-6	Mercury, Total	0.179	0.500	0.500	ng/L	U

METHOD BLANK DATA SHEET
USEPA-1631E

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
Laboratory ID: 1001217-BLK3
File ID: F09LLHG-082
Prepared: 02/08/10 12:40
Preparation: 1631E Digestion
Initial/Final: 40 mL / 40 mL
Analyzed: 02/09/10 17:40
Instrument: 202
QC Batch: 1001217
Sequence: 0B10039
Calibration: 0B17002

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7439-97-6	Mercury, Total	0.179	0.500	0.500	ng/L	U

00054

METHOD BLANK DATA SHEET
USEPA-1631E

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
Laboratory ID: 1001221-BLK1
File ID: F09LLHG-085
Prepared: 02/08/10 13:31
Preparation: 1631E Digestion
Initial/Final: 40 mL / 40 mL
Analyzed: 02/09/10 18:04
Instrument: 202
QC Batch: 1001221
Sequence: 0B10040
Calibration: 0B17003

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7439-97-6	Mercury, Total	0.179	0.500	0.500	ng/L	U

METHOD BLANK DATA SHEET
USEPA-1631E

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
Laboratory ID: 1001221-BLK2
File ID: F09LLHG-099
Prepared: 02/08/10 13:31
Preparation: 1631E Digestion
Initial/Final: 40 mL / 40 mL
Analyzed: 02/09/10 19:03
Instrument: 202
QC Batch: 1001221
Sequence: 0B10040
Calibration: 0B17003

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7439-97-6	Mercury, Total	0.179	0.500	0.500	ng/L	U

00056

METHOD BLANK DATA SHEET
USEPA-1631E

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
Laboratory ID: 1001221-BLK3
File ID: F09LLHG-113
Prepared: 02/08/10 13:31
Preparation: 1631E Digestion
Initial/Final: 40 mL / 40 mL
Analyzed: 02/09/10 20:02
Instrument: 202
QC Batch: 1001221
Sequence: 0B10040
Calibration: 0B17003

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7439-97-6	Mercury, Total	0.179	0.500	0.500	ng/L	U

: 00057

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-1631E

S-GW-56394-CB-020310-210

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

SDG: PM020110

Project: Plainwell Mill

Preparation: 1631E Digestion

Initial/Final: 40 mL / 40 mL

Laboratory ID: 1001221-MS1

QC Batch: 1001221

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Mercury, Total	2.50	0.2581	3.051	112	71 - 125	ng/L

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

* Values outside of QC limits

: 00058

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-1631E

S-GW-56394-CB-020310-210

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

SDG: PM020110

Project: Plainwell Mill

Preparation: 1631E Digestion

Initial/Final: 40 mL / 40 mL

Laboratory ID: 1001221-MSD1

QC Batch: 1001221

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Mercury, Total	2.50	3.089	113	1	24	71 - 125	ng/L

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

* Values outside of QC limits

: 00059

LCS / LCS DUPLICATE RECOVERY
USEPA-1631E

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

Laboratory ID: 1001217-BS1

SDG: PM020110
Project: Plainwell Mill
Preparation: 1631E Digestion
Initial/Final: 40 mL / 40 mL
QC Batch: 1001217
Sequence: 0B10039

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Mercury, Total	3.00	2.780	93	77 - 123	ng/L

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

* Values outside of QC limits

: 00060

LCS / LCS DUPLICATE RECOVERY
USEPA-1631E

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

Laboratory ID: 1001221-BS1

SDG: PM020110
Project: Plainwell Mill
Preparation: 1631E Digestion
Initial/Final: 40 mL / 40 mL
QC Batch: 1001221
Sequence: 0B10040

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Mercury, Total	3.00	3.235	108	77 - 123	ng/L

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

* Values outside of QC limits

: 00061

HOLDING TIME SUMMARY
USEPA-1631E

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM020110

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-GW-56394-CB-020110-199	02/01/10	02/02/10		02/08/10	7	28	02/09/10	1	90	
S-GW-56394-CB-020110-201	02/01/10	02/02/10		02/08/10	7	28	02/09/10	1	90	
S-GW-56394-CB-020210-205	02/02/10	02/02/10		02/08/10	6	28	02/09/10	1	90	
SD-GW-56394-CB-020210-205	02/02/10	02/02/10		02/08/10	6	28	02/09/10	1	90	
S-GW-56394-CB-020310-210	02/03/10	02/04/10		02/08/10	5	28	02/09/10	1	90	
S-GW-56394-CB-020410-217	02/04/10	02/04/10		02/08/10	4	28	02/09/10	1	90	

: 00062

TriMatrix Laboratories, Inc.

PREPARATION BATCH **1001221** Page 1 of 1

Printed: 2/16/2010 9:44:58AM

Metals, Water, 1631E Digestion

3999

Batch comments:

KBr added at 13:31 on 02/08/10
Samples still yellow at 17:00 on 02/09/10

				Initial	Final	Client				
Lab Number	*Container*	*Prepared*	*By*	*(mL)*	*(mL)*	*Source ID*	*Spike ID*	*uL Spike*	*Comments*	
1001221-BLK1		Feb-08-10 13:31	MSM	40	40					
1001221-BLK2		Feb-08-10 13:31	MSM	40	40					
1001221-BLK3		Feb-08-10 13:31	MSM	40	40					
1001221-BS1		Feb-08-10 13:31	MSM	40	40		9101059	120		
1001221-MS1		Feb-08-10 13:31	MSM	40	40	1002085-01	9101052	100		
1001221-MSD1		Feb-08-10 13:31	MSM	40	40	1002085-01	9101052	100		
1002085-01	C	Feb-08-10 13:31	MSM	40	40	SulTRAC			wtr	wtr
Hg Total 1631E										
1002085-02	C	Feb-08-10 13:31	MSM	40	40	SulTRAC			wtr	wtr
Hg Total 1631E										

Comments:

Analyst Initials:

Metals, Water, 1631E Digestion

Batch comments:
KBr added at 12:40 on 02/08/10
Samples still yellow at 15:40 on 02/09/10

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client: Source ID	Client: Spike ID	Client: uL Spike	Comments
1001217-BLK1		Feb-08-10 12:40	MSM	40	40				
1001217-BLK2		Feb-08-10 12:40	MSM	40	40				
1001217-BLK3		Feb-08-10 12:40	MSM	40	40				
1001217-BS1		Feb-08-10 12:40	MSM	40	40		9101059	120	
1001217-MS1		Feb-08-10 12:40	MSM	40	40	1002021-04	9101052	100	
1001217-MS2		Feb-08-10 12:40	MSM	40	40	1002067-08	9101052	100	
1001217-MSD1		Feb-08-10 12:40	MSM	40	40	1002021-04	9101052	100	
1001217-MSD2		Feb-08-10 12:40	MSM	40	40	1002067-08	9101052	100	
1002021-04	D	Feb-08-10 12:40	MSM	40	40	[redacted]			
Hg Total 1631E									
1002021-05	D	Feb-08-10 12:40	MSM	40	40	[redacted]			
Hg Total 1631E									
1002021-06	D	Feb-08-10 12:40	MSM	40	40	[redacted]			
Hg Total 1631E									
1002021-07	D	Feb-08-10 12:40	MSM	40	40	[redacted]			
Hg Total 1631E									
1002021-08	D	Feb-08-10 12:40	MSM	40	40	[redacted]			
Hg Total 1631E									
1002021-09	D	Feb-08-10 12:40	MSM	40	40	[redacted]			
Hg Total 1631E									
1002021-10	D	Feb-08-10 12:40	MSM	40	40	[redacted]			
Hg Total 1631E									
1002021-11	D	Feb-08-10 12:40	MSM	40	40	[redacted]			
Hg Total 1631E									

Comments:

Analyst Initials:

Metals, Water, 1631E Digestion

Batch comments:
KBr added at 12:40 on 02/08/10
Samples still yellow at 15:40 on 02/09/10

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client: Source ID	Client: Spike ID	Client: uL Spike	Comments	
1002041-01 *Hg Total 1631E*	C	Feb-08-10 12:40	MSM	40	40	SulTRAC			wtr	wtr
1002041-02 *Hg Total 1631E*	C	Feb-08-10 12:40	MSM	40	40	SulTRAC			wtr	wtr
1002041-03 *Hg Total 1631E*	C	Feb-08-10 12:40	MSM	40	40	SulTRAC			wtr	wtr
1002041-04 *Hg Total 1631E*	C	Feb-08-10 12:40	MSM	40	40	SulTRAC			wtr	wtr
1002067-01 *Hg Total 1631E*	A	Feb-08-10 12:40	MSM	40	40	[redacted]				
1002067-02 *Hg Total 1631E*	A	Feb-08-10 12:40	MSM	40	40	[redacted]				
1002067-03 *Hg Total 1631E*	A	Feb-08-10 12:40	MSM	40	40	[redacted]				
1002067-04 *Hg Total 1631E*	A	Feb-08-10 12:40	MSM	40	40	[redacted]				
1002067-05 *Hg Total 1631E*	A	Feb-08-10 12:40	MSM	40	40	[redacted]				
1002067-06 *Hg Total 1631E*	A	Feb-08-10 12:40	MSM	40	40	[redacted]				
1002067-07 *Hg Total 1631E*	A	Feb-08-10 12:40	MSM	40	40	[redacted]				
1002067-08 *Hg Total 1631E*	A	Feb-08-10 12:40	MSM	40	40	[redacted]				

Comments:

Analyst Initials:

Batch Sequence

W 1001174 – OB09044 – App Dt 2-09-10

ITR 1001215 total
1001217
1001219

MDWTR 1001221

DISSWTR 1001223

Sequence

WTR – OB10039 due 2/04 cal – OB17002

4MDWTR – OB10040 OB17002

DISSWTR – OB10041

TriMatrix Laboratories, Inc.

Mercury-1631E

Date: 2/9/10
Data File: Eg11hg
Analyst: MSM
Stock Std. #: 9100825 /1000 mg/l
LCS Stock #: 9100825 /1000 mg/l
Stannous Chloride # 10470
Instrument ID: 202

App DK 2/11

Standard Prep
1 mg/L: 100uL of 1000 mg/L into 100 mL 9101051 MSM 2/8/10
1 ug/L: 100 uL of 1 mg/L into 100 ML 9101052
10 ng/L : 1mL of 1ug/L into 100 mL 9101053
5 ng/L : 0.5mL of 1ug/L into 100 mL 9101054
2 ng/L : 0.2mL of 1ug/L into 100 mL 9101055
1 ng/L : 0.1 mL of 1ug/L into 100 mL 9101056
0.5 ng/L : 0.05 mL of 1ug/L into 100 mL 9101057

SCV Prep
1 mg/L: 100ul of 1000 mg/l into 100 mL MSM 2/8/10
1 ug/L: 100 uL of 1mg/L into 100 mL
3 ng/L : 120 uL of 1ug/L into 40 mL
9101058 1mg/L
9101059 1ug/L
9101060 3ng/L

Autosampler Position:

0.1N KBr # 0010469			WW 35. 1002039-04	X		WTR 67. 1002021-10	X		
Hydroxylamine# : 9031129			36. 1002048-01	X		68. 1002021-11	X		
3: NA			37. 1002092-01	X		69. BIK2	X		
4: NA			38. -02	X		70. 1002041-01	X		
5: NA			39. -03	X		71. -02	X		
6: NA			40. -04	X		72. -03	X		
7: NA			41. -05	X		73. 1002041-04	X		
8-10: NA			42. 1002092-06	X		74. 1002067-01	X		
11. 0.0 ng/L STD	X		WTR 43. 1002021-01	X		75. -02	X		
12. 0.0 ng/L STD	X		44. 1002021-02	X		76. -03	X		
13. 0.0 ng/L STD	X		45. 1002021-03	X		77. -04	X		
14. 0.5 ng/L STD	X		46. BIK3	X		78. -05	X		
15. 1.0 ng/L STD	X		47. 1002022-04	X	2	79. -06	X		
16. 2.0 ng/L STD	X		48. 1002039-04	X	2	80. -07	X		
17. 5.0 ng/L STD	X		~~49. 1002092-01~~	X	~~5~~	19 81. 1002067-08	X		
18. 10 ng/L STD	X		~~50. -02~~	X	~~5~~	20 82. MS2	X		
19. SCV1	X		51. 1002092-03	X	redo	21 83. MSD2	X		
20. BIK1	X		52. 1002039-04	X	~~4~~ 8	22 84. BIK3	X		
WW 21. 1002077-14	X	50	~~53. 1002092-01~~	X	~~50~~	85.	X		
22. 1002022-01	X		~~54. -02~~	X	~~50~~	86.	X		
23. -02	X		55. 1002092-01	X	200	87.	X		
24. -03	X		56. -02	X	200	88.	X		
25. 1002022-04	X		57. SCV2	X		89.	X		
26. 1002019-02	X		58. BIK1	X		90.	X		
27. MS1	X		59. 1002041-04	X		91.	X		
28. MSD1	X		60. MS1	X		92.	X		
29. BIK2	X		61. MSD1	X		93.	X		
30. 1002039-01	X		62. 1002021-05	X		94.	X		
31. -02	X		63. -06	X					
32. 1002039-03	X		64. -07	X					
33. MS2	X		65. -08	X					
34. MSD2	X		66. 1002021-09	X					

TriMatrix Laboratories, Inc.

Mercury-1631E

Date: _____
Data File: _____
Analyst: _____
Stock Std. #: 9100825 /1000 mg/l
LCS Stock #: 9100825 /1000 mg/l
Stannous Chloride # 10470
Instrument ID: 202

Standard Prep
1 mg/L: 100uL of 1000 mg/L into 100 mL 9101051
1 ug/L: 100 uL of 1 mg/L into 100 ML 9101052
10 ng/L : 1mL of 1ug/L into 100 mL 9101053
5 ng/L : 0.5mL of 1ug/L into 100 mL 9101054
2 ng/L : 0.2mL of 1ug/L into 100 mL 9101055
1 ng/L : 0.1 mL of 1ug/L into 100 mL 9101056
0.5 ng/L : 0.05 mL of 1ug/L into 100 mL 9101057

SCV Prep
1 mg/L: 100ul of 1000 mg/l into 100 mL
1 ug/L: 100 uL of 1mg/L into 100 mL
3 ng/L : 120 uL of 1ug/L into 40 mL
9101058 1mg/L
9101059 1ug/L
9101060 3ng/L

Autosampler Position:

0.1N KBr # 0010469		35. 1002060-17	X		67.	X	
Hydroxylamine# : 9031129		36. 1002060-18	X		68.	X	
3: NA		37. 1002060-19	X		69.	X	
4: NA		38. BLK2	X		70.	X	
5: NA		39. 1002085-01	X		71.	X	
6: NA		40. m82	X		72.	X	
7: NA		41. m802	X		73.	X	
8-10: NA		42. 1002085-02	X		74.	X	
11. 0.0 ng/L STD	X	43. 1002099-01	X		75.	X	
12. 0.0 ng/L STD	X	44. -02	X		76.	X	
13. 0.0 ng/L STD	X	45. -03	X		77.	X	
14. 0.5 ng/L STD	X	46. 1002099-04	X		78.	X	
15. 1.0 ng/L STD	X	47. m81	X		79.	X	
16. 2.0 ng/L STD	X	48. m801	X		80.	X	
17. 5.0 ng/L STD	X	49. 1002099-05	X		81.	X	
18. 10 ng/L STD	X	50. -06	X		82.	X	
19.	X	51. 1002099-07	X		83.	X	
20.	X	52. BLK3	X		84.	X	
21.	X	53.	X		85.	X	
22.	X	54.	X		86.	X	
23. SCV3	X	55.	X		87.	X	
24. BLK1	X	56.	X		88.	X	
25. 1002060-09	X	57.	X		89.	X	
26. -10	X	58.	X		90.	X	
27. -11	X	59.	X		91.	X	
28. -12	X	60.	X		92.	X	
29. -13	X	61.	X		93.	X	
30. -14	X	62.	X		94.	X	
31. -15	X	63.	X				
32. 1002060-16	X	64.	X				
33. m81	X	65.	X				
34. 1631E.XLS001	X	66.	X				

2/10/2010
: 00067

Calibration Report -

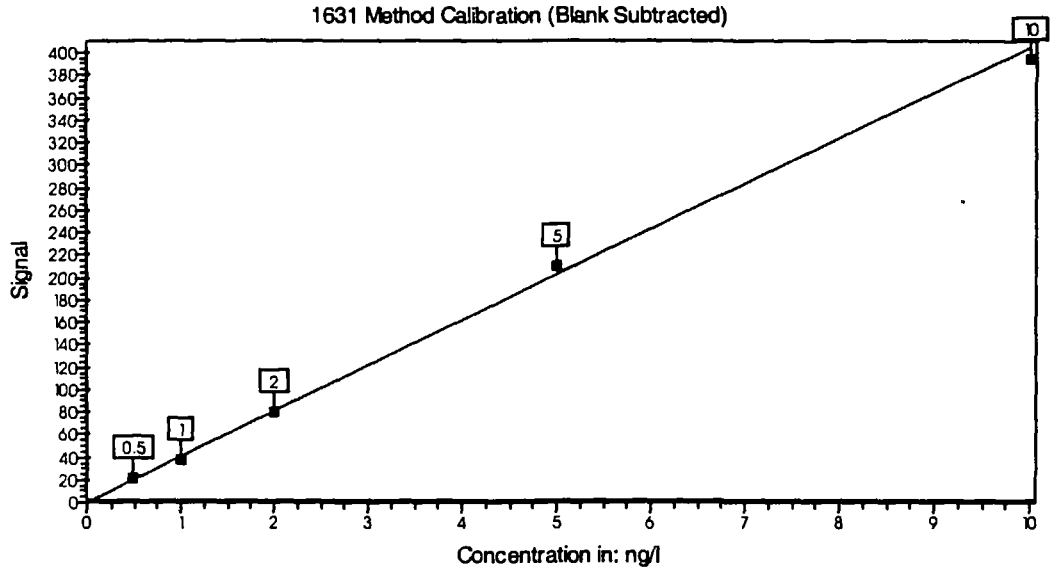
General Details

Measured By :		Mean Blank :	26.517586
Calibration #:	Default	% Recovery of Lowest Std:	105.370499
Fit Type :	Method 1631		
Unit :	ng/l		
CFm	40.575188		
SD	1.882705		
RSD %	4.640039		
Reslope %:			
Method Name:	TriMatrix 1631E		

0.5 21.37714
1.0 38.128029
2.0 80.578082
5.0 210.591255
10.0 395.800490

Definition of Standards

Include	*Pos*	*Runs*	*Conc*	*Pk Ht / Pk Area*	*CFx*	*Res %*	*Res Conc*	*Date/Time*
Yes	16	1	2.0	107.096268	40.289341	-0.704486	-0.014090	09 Feb 2010 11:55
Yes	17	1	5.0	237.108841	42.118252	3.802973	0.190149	09 Feb 2010 11:59
Yes	18	1	10.0	422.378082	39.586048	-2.437790	-0.243779	09 Feb 2010 12:03
Yes	11	1	Blank	25.567060				09 Feb 2010 12:11
Yes	12	1	Blank2	26.561560				09 Feb 2010 12:15
Yes	13	1	Blank3	27.424135				09 Feb 2010 12:20
Yes	15	1	1.0	64.645615	38.128029	-6.031170	-0.060312	09 Feb 2010 12:41
Yes	14	1	0.5	47.894726	42.754280	5.370505	0.026853	09 Feb 2010 12:51



Printed: 2/9/10 12:52:21 PM Generated by: Signature: Page 1 of 1

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Analysis Report - Filename: C:\Program Files\P S Analytical\Millennium\Results\F09LLHG.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	Message	Flag	Slope/ CFm	Intercept	Dilutio Factor	SD	RSD	Cal	Method	Date/Time
~~11~~	~~1~~	~~Cal~~	~~Blank1~~	~~New Cal~~	~~Blank1~~	~~37.858662~~	~~314.270844~~	~~-3.935468~~	~~---~~	B,D	0.000000	0.000000	---	---	---	D	TriMatrix 1631E	09 Feb 10 11:[illegible]
12	1	Cal	Blank2		Blank2	34.720741	184.333496	-0.406286	---	B,D	0.000000	0.000000	---	---	---	D	TriMatrix 1631E	09 Feb 10 11:[illegible]
13	1	Cal	Blank3		Blank3	32.351261	244.030548	-3.372258	---	B,D	0.000000	0.000000	---	---	---	D	TriMatrix 1631E	09 Feb 10 11:[illegible]
14	1	Cal	0.5		0.500000	64.669456	568.618896	3.229222	---	B,I,I,N,I,D	59.385139	0.000000	---	---	---	D	TriMatrix 1631E	09 Feb 10 11:47
~~15~~	~~1~~	~~Cal~~	~~1.0~~		~~1.000000~~	~~68.675743~~	~~612.067749~~	~~-3.441979~~	~~---~~	~~B,I,N,I,I,D~~	~~46.542000~~	0.000000	---	---	---	D	TriMatrix 1631E	09 Feb 10 11:51
16	1	Cal	2.0		2.000000	107.096268	936.423462	1.061326	---	B	43.047897	0.000000	---	---	---	D	TriMatrix 1631E	09 Feb 10 11:55
17	1	Cal	5.0		5.000000	237.108841	2153.575928	1.294110	---	B	42.392521	0.000000	---	---	---	D	TriMatrix 1631E	09 Feb 10 11:59
18	1	Cal	10.0		10.000000	422.378082	4013.116943	2.602275	Over Range	B	41.662041	0.000000	---	---	---	D	TriMatrix 1631E	09 Feb 10 12:03
11	1	Cal	Blank		Blank	25.567060	264.969574	-0.374433	---	B	38.289871	0.000000	---	---	---	D	TriMatrix 1631E	09 Feb 10 12:11
12	1	Cal	Blank2		Blank2	26.561560	132.378082	-2.412634	---	B	38.835529	0.000000	---	---	---	D	TriMatrix 1631E	09 Feb 10 12:15
13	1	Cal	Blank3		Blank3	27.424135	200.911926	-3.234682	---	B	39.134605	0.000000	---	---	---	D	TriMatrix 1631E	09 Feb 10 12:20
~~14~~	~~1~~	~~Cal~~	~~0.5~~		~~0.500000~~	~~62.284512~~	~~606.053345~~	~~0.246129~~		B,I,N,I,D	43.922596	0.000000	---	---	---	D	TriMatrix 1631E	09 Feb 10 12:24
~~14~~	~~1~~	~~Cal~~	~~0.5~~		~~0.500000~~	~~35.012409~~	~~264.027740~~	~~0.941328~~	~~---~~	B,I,N,I,D	34.745819	0.000000	---	---	---	D	TriMatrix 1631E	09 Feb 10 12:36
15	1	Cal	1.0		1.000000	64.645615	718.863098	0.464977	---	B	45.635609	0.000000	---	---	---	D	TriMatrix 1631E	09 Feb 10 12:41
14	1	Cal	0.5		0.500000	47.894726	483.691528	-1.208326	---	B	40.575188	0.000000	---	---	---	D	TriMatrix 1631E	09 Feb 10 12:51
19	1	Sample	SCV1		3.028618	149.404312	1401.464478	0.225571	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 12:57
20	1	Sample	BLK1		-0.095940	22.624817	134.171799	-1.192444	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 13:01
21	1	Sample	1002077-14	50X	6.533228	291.604553	2759.114258	0.286442	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 13:06
22	1	Sample	1002022-01		-0.125462	21.426924	67.677704	0.453569	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 13:10
23	1	Sample	1002022-02		1.436875	84.819077	764.948853	-2.016953	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 13:14
24	1	Sample	1002022-03		1.439172	84.912270	787.285461	-2.670692	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 13:18
~~25~~	~~1~~	~~Sample~~	~~1002022-04~~		~~11.527638~~	~~494.253693~~	~~4870.528809~~	~~-0.549967~~	~~Over Range~~	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 13:22
26	1	Sample	1002019-02		0.788212	58.499443	446.617584	0.593329	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 13:27
27	1	Sample	MS1		3.391371	164.123108	1342.305664	-1.832332	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 13:31
28	1	Sample	MSD1		4.050370	190.862091	1823.537598	-1.813747	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 13:35
29	1	Sample	BLK2		-0.212911	17.878677	180.033676	-1.406266	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 13:39
30	1	Sample	1002039-01		-0.204999	18.199722	145.842911	-1.961686	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 13:43
31	1	Sample	1002039-02		3.115169	152.916153	1326.177979	-0.329366	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 13:47
32	1	Sample	1002039-03		3.298425	160.351807	1367.800537	1.051521	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 13:52
33	1	Sample	MS2		5.773768	260.789307	2469.659668	-0.143540	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 13:56
34	1	Sample	MSD2		6.053082	272.122498	2443.489258	1.184742	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 14:00
~~35~~	~~1~~	~~Sample~~	~~1002039-04~~		~~13.796643~~	~~586.318970~~	~~6228.804199~~	~~3.641264~~	~~Over Range~~	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 14:04
36	1	Sample	1002048-01		1.807958	99.875824	804.290405	-1.284883	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 14:08

Analysis Report - Filename: C:\Program Files\P S Analytical\Millennium\Results\F09LLHG.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	Message	Flag	Slope/ CFm	Intercept	Dilutio Factor	SD	RSD	Cal	Method	Date/Time
37	1	Sample	1002092-01		18.020788	757.714478	33142.937500	67.170685	Over Range	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 14:13
38	1	Sample	1002092-02		17.825863	749.805298	30204.474609	34.528584	Over Range	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 14:17
39	1	Sample	1002092-03		0.932504	64.354095	1013.616882	22.691868	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 14:21
40	1	Sample	1002092-04		1.888505	103.144043	544.842407	-4.532104	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 14:25
41	1	Sample	1002092-05		1.562772	89.927361	754.326294	-1.534297	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 14:29
42	1	Sample	1002092-06		0.005385	26.736099	66.506203	0.354232	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 14:33
43	1	Sample	1002021-01		-0.000325	26.504389	178.374603	-1.848139	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 14:38
44	1	Sample	1002021-02		0.006914	26.798126	84.730911	3.248993	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 14:42
45	1	Sample	1002021-03		0.076986	29.641317	118.287971	0.260781	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 14:46
47	1	Sample	1002022-04	2X	8.415614	367.982697	3411.177246	0.883508	Over Range	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 14:50
48	1	Sample	1002039-04	2X	10.664150	459.217499	4599.929340	-1.489470	Over Range	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 14:54
49	1	Sample	1002092-01	5X	19.409388	814.057129	20971.138672	14.843536	Over Range	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 14:59
50	1	Sample	1002092-02	50X	19.336948	811.117859	18977.716797	7.605643	Over Range	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 15:03
52	1	Sample	1002039-04	8X	3.961278	187.247192	1475.813110	-6.559206	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 15:07
53	1	Sample	1002092-01	50X	15.879086	670.814453	7578.793457	0.993138	Over Range	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 15:11
54	1	Sample	1002092-02	50X	15.243052	645.007263	7139.665039	1.054018	Over Range	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 15:15
55	1	Sample	1002092-01	200X	8.690327	379.129211	3503.087891	1.373955	Over Range	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 15:21
56	1	Sample	1002092-02	200X	7.766661	341.651306	3285.281250	-2.052178	Over Range	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 15:25
51	1	Sample	1002092-03		0.000518	26.538620	265.695618	1.985917	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 15:30
46	1	Sample	BLK3		-0.098223	22.532175	334.787262	-3.164865	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 15:34
17	1	Sample	CCV		4.862652	223.820587	2210.325439	-2.065209	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 15:39
57	1	Sample	SCV2		2.779684	139.303787	1331.379517	3.024943	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 15:44
58	1	Sample	BLK1		-0.217705	17.684174	2.566261	1.668365	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 15:48
59	1	Sample	0002021-04		-0.124630	21.460705	266.160004	-1.520275	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 15:53
60	1	Sample	MS1		2.867712	142.875519	1292.158691	0.545875	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 15:57
61	1	Sample	MSD1		2.827788	141.255630	1426.502319	-1.482920	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 16:01
62	1	Sample	1002021-05		-0.072254	23.585848	103.965744	-0.343904	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 16:05
63	1	Sample	1002021-06		-0.137852	20.924206	111.823898	-1.404431	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 16:09
64	1	Sample	1002021-07		-0.067184	23.791580	176.922974	-1.517045	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 16:14
65	1	Sample	1002021-08		-0.057946	24.166401	218.580872	-1.572529	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 16:18
66	1	Sample	1002021-09		-0.116549	21.788605	246.664383	-0.782013	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 16:22
67	1	Sample	1002021-10		-0.179357	19.240129	197.358444	-1.063616	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 16:26
68	1	Sample	1002021-11		-0.181118	19.168709	119.803200	-1.374763	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 16:31

Analysis Report - Filename: C:\Program Files\P S Analytical\Millennium\Results\F09LLHG.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	Message	Flag	Slope/ CFm	Intercept	Dilutio Factor	SD	RSD	Cal	Method	Date/Time
69	1	Sample	BLK2		-0.185716	18.982132	232.591278	-1.279008	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 16:3
70	1	Sample	1002041-01		0.258715	37.015007	263.914185	-1.874262	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 16:3
71	1	Sample	1002041-02		-0.041546	24.831837	131.487000	-0.438160	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 16:4
72	1	Sample	1002041-03		7.505793	331.066559	3197.654053	0.336522	Over Range	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 16:4
73	1	Sample	1002041-04		8.144070	356.964752	3460.196289	-2.485508	Over Range	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 16:5
74	1	Sample	1002067-01		0.030010	27.735239	254.155716	-0.974009	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 16:5
75	1	Sample	1002067-02		-0.081451	23.212711	188.529495	-3.062443	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 17:0
76	1	Sample	1002067-03		0.083096	29.889238	345.742188	-1.308671	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 17:0
77	1	Sample	1002067-04		-0.012407	26.014164	312.715027	0.531124	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 17:0
78	1	Sample	1002067-05		0.045204	28.351748	221.213028	2.432066	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 17:1
79	1	Sample	1002067-06		-0.130828	21.209213	32.866138	-2.099472	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 17:1
80	1	Sample	1002067-07		-0.034258	25.127571	98.261253	-0.109382	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 17:2
19	1	Sample	1002067-08		0.571203	49.694237	463.086517	1.277565	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 17:2
20	1	Sample	MS2		3.423224	165.415543	1536.861328	0.095814	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 17:3
21	1	Sample	MSD2		3.407522	164.778427	1545.791138	-1.263170	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 17:3
22	1	Sample	BLK3		-0.139430	20.860199	251.955414	-0.836273	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 17:4
17	1	Sample	CCV		4.968341	228.108948	2154.591309	-0.469783	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 17:4
23	1	Sample	SCV		3.234875	157.773254	1525.329712	0.491032	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 17:5
24	1	Sample	BLK1		-0.180072	19.211111	152.129608	-0.417411	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 18:0
25	1	Sample	1002067-09		-0.047570	24.587423	205.526169	1.588113	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 18:0
26	1	Sample	1002067-10		0.435220	44.176727	402.715179	0.220610	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 18:1
27	1	Sample	1002067-11		-0.051233	24.438786	103.905518	0.592587	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 18:1
28	1	Sample	1002067-12		-0.153246	20.299583	241.312546	-0.198510	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 18:2
29	1	Sample	1002067-13		-0.019502	25.726269	118.216080	1.519336	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 18:2
30	1	Sample	1002067-14		0.752311	57.042755	431.446259	1.996306	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 18:2
31	1	Sample	1002067-15		-0.120829	21.614910	263.013977	-0.488079	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 18:3
32	1	Sample	1002067-16		-0.133714	21.092123	176.805801	-0.570273	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 18:3
33	1	Sample	MS1		2.672314	134.947235	1397.650879	-0.975439	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 18:4
34	1	Sample	MSD1		2.629391	133.205627	1189.778320	3.104555	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 18:4
35	1	Sample	1002067-17		-0.041643	24.827906	200.686386	-0.975122	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 18:5
36	1	Sample	1002067-18		5.682552	257.088196	2332.382813	-1.319275	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 18:5
37	1	Sample	1002067-19		-0.098094	22.537394	277.063538	-2.324504	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 18:5
38	1	Sample	BLK2		-0.161435	19.967350	271.369904	0.010800	---	B	40.575188	0.000000	1	---	---	D	TriMatrix 1631E	09 Feb 10 19:0

Analysis Report - Filename: C:\Program Files\P S Analytical\Millennium\Results\F09LLHG.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	Message	Flag	Slope/ CFm	Intercept	Dilutio Factor	SD	RSD	Cal	Method	Date/Time
39	1	Sample	1002085-01		0.258055	36.988209	378.349487	-1.565603	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 19:07
40	1	Sample	MS2		3.050762	150.302841	1319.419556	2.183482	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 19:1
41	1	Sample	MSD2		3.088598	151.838013	1361.260620	-3.116571	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 19:1
42	1	Sample	1002085-02		2.004293	107.842148	991.274475	1.745130	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 19:2
43	1	Sample	1002099-01		0.354971	40.920601	308.147766	-1.643624	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 19:24
44	1	Sample	1002099-02		0.116171	31.231256	271.432587	-2.428156	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 19:2
45	1	Sample	1002099-03		-0.169405	19.643961	42.099506	-0.140910	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 19:3
46	1	Sample	1002099-04		0.145872	32.436382	463.772705	-0.777204	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 19:37
47	1	Sample	MS3		2.906561	144.451859	1348.473022	-2.764362	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 19:41
48	1	Sample	MSD3		3.065789	150.912567	1380.674072	-0.171965	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 19:4
49	1	Sample	1002099-05		0.098100	30.498001	250.647400	-3.303300	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 19:5
50	1	Sample	1002099-06		0.114106	31.147453	220.777802	-0.527581	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 19:54
51	1	Sample	1002099-07		0.115430	31.201181	141.841293	2.108022	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 19:5
52	1	Sample	BLK3		-0.257821	16.056446	51.939270	2.188427	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 20:02
17	1	Sample	CCV		5.301872	241.642029	2338.586182	0.237603	----	B	40.575188	0.000000	1	----	----	D	TriMatrix 1631E	09 Feb 10 20:1

Total

TRIMATRIX LABORATORIES

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: PM020110

USEPA-6010B

: 00074

SAMPLE ID SUMMARY

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM020110

Client: SulTRAC

Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-GW-56394-CB-020110-199	1002041-01
S-GW-56394-CB-020110-201	1002041-02
S-GW-56394-CB-020210-205	1002041-03
SD-GW-56394-CB-020210-205	1002041-04
S-GW-56394-CB-020310-210	1002085-01
S-GW-56394-CB-020410-217	1002085-02

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-GW-56394-CB-020110-199

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 02/01/10 10:50
Solids: 0.00
Laboratory ID: 1002041-01

SDG: PM020110
Project: Plainwell Mill
Preparation: 3010A Digestion
Prepared: 02/04/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1000974

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	50	ug/L	1	50	23	U	02/08/10 10:01
7440-39-3	Barium, Total	110	ug/L	1	10	3.6		02/08/10 10:01
7439-89-6	Iron, Total	4200	ug/L	10	200	42		02/08/10 11:39
7439-95-4	Magnesium, Total	24	mg/L	1	0.50	0.048		02/08/10 10:01
7439-96-5	Manganese, Total	480	ug/L	1	20	3.1		02/08/10 10:01
7440-02-0	Nickel, Total	9.9	ug/L	1	10	6.4	J	02/08/10 10:01
7440-23-5	Sodium, Total	48	mg/L	1	0.50	0.14		02/08/10 10:01

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-GW-56394-CB-020110-201

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 02/01/10 15:05
Solids: 0.00
Laboratory ID: 1002041-02

SDG: PM020110
Project: Plainwell Mill
Preparation: 3010A Digestion
Prepared: 02/04/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1000974

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	50	ug/L	1	50	23	U	02/08/10 10:25
7440-39-3	Barium, Total	99	ug/L	1	10	3.6		02/08/10 10:25
7439-89-6	Iron, Total	4400	ug/L	1	20	4.2		02/08/10 10:25
7439-95-4	Magnesium, Total	27	mg/L	1	0.50	0.048		02/08/10 10:25
7439-96-5	Manganese, Total	660	ug/L	1	20	3.1		02/08/10 10:25
7440-02-0	Nickel, Total	10	ug/L	1	10	6.4	U	02/08/10 10:25
7440-23-5	Sodium, Total	33	mg/L	1	0.50	0.14		02/08/10 10:25

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-GW-56394-CB-020210-205

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 02/02/10 09:20
Solids: 0.00
Laboratory ID: 1002041-03

SDG: PM020110
Project: Plainwell Mill
Preparation: 3010A Digestion
Prepared: 02/04/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1000974

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	50	ug/L	1	50	23	U	02/08/10 10:29
7440-39-3	Barium, Total	84	ug/L	1	10	3.6		02/08/10 10:29
7439-89-6	Iron, Total	41	ug/L	1	20	4.2		02/08/10 10:29
7439-95-4	Magnesium, Total	22	mg/L	1	0.50	0.048		02/08/10 10:29
7439-96-5	Manganese, Total	300	ug/L	1	20	3.1		02/08/10 10:29
7440-02-0	Nickel, Total	10	ug/L	1	10	6.4	U	02/08/10 10:29
7440-23-5	Sodium, Total	25	mg/L	1	0.50	0.14		02/08/10 10:29

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

SD-GW-56394-CB-020210-205

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 02/02/10 09:50
Solids: 0.00
Laboratory ID: 1002041-04

SDG: PM020110
Project: Plainwell Mill
Preparation: 3010A Digestion
Prepared: 02/04/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1000974

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	50	ug/L	1	50	23	U	02/08/10 10:32
7440-39-3	Barium, Total	82	ug/L	1	10	3.6		02/08/10 10:32
7439-89-6	Iron, Total	40	ug/L	1	20	4.2		02/08/10 10:32
7439-95-4	Magnesium, Total	22	mg/L	1	0.50	0.048		02/08/10 10:32
7439-96-5	Manganese, Total	310	ug/L	1	20	3.1		02/08/10 10:32
7440-02-0	Nickel, Total	10	ug/L	1	10	6.4	U	02/08/10 10:32
7440-23-5	Sodium, Total	25	mg/L	1	0.50	0.14		02/08/10 10:32

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-GW-56394-CB-020310-210

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 02/03/10 08:40
Solids: 0.00
Laboratory ID: 1002085-01

SDG: PM020110
Project: Plainwell Mill
Preparation: 3010A Digestion
Prepared: 02/09/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001064

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	50	ug/L	1	50	23	U	02/10/10 13:24
7440-39-3	Barium, Total	110	ug/L	1	10	3.6		02/10/10 13:24
7439-89-6	Iron, Total	11	ug/L	1	20	4.2	J	02/10/10 13:24
7439-95-4	Magnesium, Total	24	mg/L	1	0.50	0.048		02/10/10 13:24
7439-96-5	Manganese, Total	20	ug/L	1	20	3.1	U	02/10/10 13:24
7440-02-0	Nickel, Total	10	ug/L	1	10	6.4	U	02/10/10 13:24
7440-23-5	Sodium, Total	40	mg/L	1	0.50	0.14		02/10/10 13:24

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-GW-56394-CB-020410-217

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 02/04/10 08:45
Solids: 0.00
Laboratory ID: 1002085-02

SDG: PM020110
Project: Plainwell Mill
Preparation: 3010A Digestion
Prepared: 02/09/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1001064

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, Total	50	ug/L	1	50	23	U	02/10/10 13:44
7440-39-3	Barium, Total	64	ug/L	1	10	3.6		02/10/10 13:44
7439-89-6	Iron, Total	29	ug/L	1	20	4.2		02/10/10 13:44
7439-95-4	Magnesium, Total	27	mg/L	1	0.50	0.048		02/10/10 13:44
7439-96-5	Manganese, Total	130	ug/L	1	20	3.1		02/10/10 13:44
7440-02-0	Nickel, Total	10	ug/L	1	10	6.4	U	02/10/10 13:44
7440-23-5	Sodium, Total	73	mg/L	1	0.50	0.14		02/10/10 13:44

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B08007

SDG: PM020110
Project: Plainwell Mill
Instrument: 101
Calibration: 0B08013

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B08007-CAL1	0B08006-002	02/08/10 07:39
Cal Standard	0B08007-CAL2	0B08006-003	02/08/10 07:42
Cal Standard	0B08007-CAL3	0B08006-004	02/08/10 07:45
Cal Standard	0B08007-CAL4	0B08006-005	02/08/10 07:48
Cal Standard	0B08007-CAL5	0B08006-006	02/08/10 07:52
Secondary Cal Check	0B08007-SCV1	0B08006-007	02/08/10 07:55
Calibration Check	0B08007-CCV1	0B08006-007	02/08/10 07:55
Calibration Blank	0B08007-CCB1	0B08006-008	02/08/10 07:58
MRL Check	0B08007-CRL1	0B08006-009	02/08/10 08:02
Interference Check A	0B08007-IFA1	0B08006-010	02/08/10 08:05
Interference Check A	0B08007-IFA2	0B08006-011	02/08/10 08:09
Interference Check B	0B08007-IFB1	0B08006-012	02/08/10 08:12
Interference Check B	0B08007-IFB2	0B08006-013	02/08/10 08:16
Calibration Check	0B08007-CCV2	0B08006-037	02/08/10 09:37
Calibration Blank	0B08007-CCB2	0B08006-038	02/08/10 09:41
Blank	1000974-BLK1	0B08006-042	02/08/10 09:54
LCS	1000974-BS1	0B08006-043	02/08/10 09:57
S-GW-56394-CB-020110-199	1002041-01	0B08006-044	02/08/10 10:01
S-GW-56394-CB-020110-199	1002041-01	0B08006-044	02/08/10 10:01
S-GW-56394-CB-020110-199	1002041-01	0B08006-044	02/08/10 10:01
S-GW-56394-CB-020110-199	1002041-01	0B08006-044	02/08/10 10:01
S-GW-56394-CB-020110-199	1002041-01	0B08006-044	02/08/10 10:01
S-GW-56394-CB-020110-199	1002041-01	0B08006-044	02/08/10 10:01
S-GW-56394-CB-020110-199	1000974-MS1	0B08006-045	02/08/10 10:04
S-GW-56394-CB-020110-199	1000974-MSD1	0B08006-046	02/08/10 10:08
S-GW-56394-CB-020110-199	0B08007-SRD1	0B08006-047	02/08/10 10:11
S-GW-56394-CB-020110-199	1000974-PS1	0B08006-048	02/08/10 10:15
Calibration Check	0B08007-CCV3	0B08006-049	02/08/10 10:18
Calibration Blank	0B08007-CCB3	0B08006-050	02/08/10 10:22
S-GW-56394-CB-020110-201	1002041-02	0B08006-051	02/08/10 10:25
S-GW-56394-CB-020110-201	1002041-02	0B08006-051	02/08/10 10:25
S-GW-56394-CB-020110-201	1002041-02	0B08006-051	02/08/10 10:25

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B08007

SDG: PM020110
Project: Plainwell Mill
Instrument: 101
Calibration: 0B08013

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-GW-56394-CB-020110-201	1002041-02	0B08006-051	02/08/10 10:25
S-GW-56394-CB-020110-201	1002041-02	0B08006-051	02/08/10 10:25
S-GW-56394-CB-020110-201	1002041-02	0B08006-051	02/08/10 10:25
S-GW-56394-CB-020110-201	1002041-02	0B08006-051	02/08/10 10:25
S-GW-56394-CB-020210-205	1002041-03	0B08006-052	02/08/10 10:29
S-GW-56394-CB-020210-205	1002041-03	0B08006-052	02/08/10 10:29
S-GW-56394-CB-020210-205	1002041-03	0B08006-052	02/08/10 10:29
S-GW-56394-CB-020210-205	1002041-03	0B08006-052	02/08/10 10:29
S-GW-56394-CB-020210-205	1002041-03	0B08006-052	02/08/10 10:29
S-GW-56394-CB-020210-205	1002041-03	0B08006-052	02/08/10 10:29
S-GW-56394-CB-020210-205	1002041-03	0B08006-052	02/08/10 10:29
SD-GW-56394-CB-020210-205	1002041-04	0B08006-053	02/08/10 10:32
SD-GW-56394-CB-020210-205	1002041-04	0B08006-053	02/08/10 10:32
SD-GW-56394-CB-020210-205	1002041-04	0B08006-053	02/08/10 10:32
SD-GW-56394-CB-020210-205	1002041-04	0B08006-053	02/08/10 10:32
SD-GW-56394-CB-020210-205	1002041-04	0B08006-053	02/08/10 10:32
SD-GW-56394-CB-020210-205	1002041-04	0B08006-053	02/08/10 10:32
SD-GW-56394-CB-020210-205	1002041-04	0B08006-053	02/08/10 10:32
Calibration Check	0B08007-CCV4	0B08006-054	02/08/10 10:35
Calibration Blank	0B08007-CCB4	0B08006-055	02/08/10 10:39
S-GW-56394-CB-020110-199	1002041-01	0B08006-059	02/08/10 11:39
S-GW-56394-CB-020110-199	0B08007-SRD2	0B08006-060	02/08/10 11:42
S-GW-56394-CB-020110-199	1000974-PS2	0B08006-061	02/08/10 11:46
Calibration Check	0B08007-CCV5	0B08006-062	02/08/10 11:49
Calibration Blank	0B08007-CCB5	0B08006-063	02/08/10 11:52

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B10038

SDG: PM020110
Project: Plainwell Mill
Instrument: 311
Calibration: 0B10010

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B10038-CAL1	0B10018-001	02/10/10 10:31
Cal Standard	0B10038-CAL2	0B10018-002	02/10/10 10:35
Cal Standard	0B10038-CAL3	0B10018-003	02/10/10 10:39
Cal Standard	0B10038-CAL4	0B10018-004	02/10/10 10:43
Cal Standard	0B10038-CAL5	0B10018-005	02/10/10 10:47
Secondary Cal Check	0B10038-SCV1	0B10018-006	02/10/10 10:51
Calibration Check	0B10038-CCV1	0B10018-006	02/10/10 10:51
Calibration Blank	0B10038-CCB1	0B10018-007	02/10/10 10:54
MRL Check	0B10038-CRL1	0B10018-008	02/10/10 10:58
Interference Check A	0B10038-IFA1	0B10018-009	02/10/10 11:02
Interference Check A	0B10038-IFA2	0B10018-010	02/10/10 11:08
Interference Check B	0B10038-IFB1	0B10018-011	02/10/10 11:15
Interference Check B	0B10038-IFB2	0B10018-012	02/10/10 11:21
Calibration Check	0B10038-CCV2	0B10018-037	02/10/10 13:00
Calibration Blank	0B10038-CCB2	0B10018-038	02/10/10 13:04
Blank	1001064-BLK1	0B10018-041	02/10/10 13:16
LCS	1001064-BS1	0B10018-042	02/10/10 13:20
S-GW-56394-CB-020310-210	1002085-01	0B10018-043	02/10/10 13:24
S-GW-56394-CB-020310-210	1002085-01	0B10018-043	02/10/10 13:24
S-GW-56394-CB-020310-210	1002085-01	0B10018-043	02/10/10 13:24
S-GW-56394-CB-020310-210	1002085-01	0B10018-043	02/10/10 13:24
S-GW-56394-CB-020310-210	1002085-01	0B10018-043	02/10/10 13:24
S-GW-56394-CB-020310-210	1002085-01	0B10018-043	02/10/10 13:24
S-GW-56394-CB-020310-210	1002085-01	0B10018-043	02/10/10 13:24
S-GW-56394-CB-020310-210	1001064-MS1	0B10018-044	02/10/10 13:28
S-GW-56394-CB-020310-210	1001064-MSD1	0B10018-045	02/10/10 13:32
S-GW-56394-CB-020310-210	0B10038-SRD1	0B10018-046	02/10/10 13:36
S-GW-56394-CB-020310-210	1001064-PS1	0B10018-047	02/10/10 13:40
S-GW-56394-CB-020410-217	1002085-02	0B10018-048	02/10/10 13:44
S-GW-56394-CB-020410-217	1002085-02	0B10018-048	02/10/10 13:44
S-GW-56394-CB-020410-217	1002085-02	0B10018-048	02/10/10 13:44
S-GW-56394-CB-020410-217	1002085-02	0B10018-048	02/10/10 13:44

00084

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B10038

SDG: PM020110
Project: Plainwell Mill
Instrument: 311
Calibration: 0B10010

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-GW-56394-CB-020410-217	1002085-02	0B10018-048	02/10/10 13:44
S-GW-56394-CB-020410-217	1002085-02	0B10018-048	02/10/10 13:44
S-GW-56394-CB-020410-217	1002085-02	0B10018-048	02/10/10 13:44
Calibration Check	0B10038-CCV3	0B10018-049	02/10/10 13:48
Calibration Blank	0B10038-CCB3	0B10018-050	02/10/10 13:52

: 00085

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B08007
Instrument ID: 101
Control Limt: +/- 10.00%
Calibration: 0B08013

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B08007-CCV1	Aluminum	2500	2490	100	ug/L	02/08/10 07:55
	Barium	500	500	100	ug/L	02/08/10 07:55
	Iron	500	504	101	ug/L	02/08/10 07:55
	Magnesium	5.00	5.16	103	mg/L	02/08/10 07:55
	Manganese	500	504	101	ug/L	02/08/10 07:55
	Nickel	500	513	103	ug/L	02/08/10 07:55
	Sodium	5.00	5.05	101	mg/L	02/08/10 07:55
0B08007-CCV2	Aluminum	2500	2550	102	ug/L	02/08/10 09:37
	Barium	500	505	101	ug/L	02/08/10 09:37
	Iron	500	513	103	ug/L	02/08/10 09:37
	Magnesium	5.00	5.15	103	mg/L	02/08/10 09:37
	Manganese	500	510	102	ug/L	02/08/10 09:37
	Nickel	500	534	107	ug/L	02/08/10 09:37
	Sodium	5.00	5.04	101	mg/L	02/08/10 09:37
0B08007-CCV3	Aluminum	2500	2510	100	ug/L	02/08/10 10:18
	Barium	500	497	99	ug/L	02/08/10 10:18
	Iron	500	513	103	ug/L	02/08/10 10:18
	Magnesium	5.00	5.13	103	mg/L	02/08/10 10:18
	Manganese	500	507	101	ug/L	02/08/10 10:18
	Nickel	500	508	102	ug/L	02/08/10 10:18
	Sodium	5.00	4.99	100	mg/L	02/08/10 10:18
0B08007-CCV4	Aluminum	2500	2500	100	ug/L	02/08/10 10:35
	Barium	500	499	100	ug/L	02/08/10 10:35
	Iron	500	509	102	ug/L	02/08/10 10:35
	Magnesium	5.00	5.15	103	mg/L	02/08/10 10:35
	Manganese	500	509	102	ug/L	02/08/10 10:35
	Nickel	500	520	104	ug/L	02/08/10 10:35
	Sodium	5.00	5.00	100	mg/L	02/08/10 10:35
0B08007-CCV5	Aluminum	2500	2510	100	ug/L	02/08/10 11:49
	Barium	500	497	99	ug/L	02/08/10 11:49
	Iron	500	509	102	ug/L	02/08/10 11:49
	Magnesium	5.00	5.19	104	mg/L	02/08/10 11:49
	Manganese	500	510	102	ug/L	02/08/10 11:49
	Nickel	500	513	103	ug/L	02/08/10 11:49
	Sodium	5.00	5.00	100	mg/L	02/08/10 11:49

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B10038
Instrument ID: 311
Control Limt: +/- 10.00%
Calibration: 0B10010

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B10038-CCV1	Aluminum	2500	2400	96	ug/L	02/10/10 10:51
	Barium	500	483	97	ug/L	02/10/10 10:51
	Iron	500	495	99	ug/L	02/10/10 10:51
	Magnesium	5.00	5.06	101	mg/L	02/10/10 10:51
	Manganese	500	491	98	ug/L	02/10/10 10:51
	Nickel	500	498	100	ug/L	02/10/10 10:51
	Sodium	5.00	4.88	98	mg/L	02/10/10 10:51
0B10038-CCV2	Aluminum	2500	2510	100	ug/L	02/10/10 13:00
	Barium	500	503	101	ug/L	02/10/10 13:00
	Iron	500	497	99	ug/L	02/10/10 13:00
	Magnesium	5.00	5.05	101	mg/L	02/10/10 13:00
	Manganese	500	510	102	ug/L	02/10/10 13:00
	Nickel	500	512	102	ug/L	02/10/10 13:00
	Sodium	5.00	5.03	101	mg/L	02/10/10 13:00
0B10038-CCV3	Aluminum	2500	2500	100	ug/L	02/10/10 13:48
	Barium	500	501	100	ug/L	02/10/10 13:48
	Iron	500	498	100	ug/L	02/10/10 13:48
	Magnesium	5.00	5.09	102	mg/L	02/10/10 13:48
	Manganese	500	504	101	ug/L	02/10/10 13:48
	Nickel	500	504	101	ug/L	02/10/10 13:48
	Sodium	5.00	5.05	101	mg/L	02/10/10 13:48

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B08007
Instrument: 101
Laboratory ID: 0B08007-SCV1
Calibration: 0B08013

Analyte	Expected	Found	% R	QC Limit	Units
Aluminum	2500	2490	100	90-110	ug/L
Barium	500	500	100	90-110	ug/L
Iron	500	504	101	90-110	ug/L
Magnesium	5.00	5.16	103	90-110	mg/L
Manganese	500	504	101	90-110	ug/L
Nickel	500	513	103	90-110	ug/L
Sodium	5.00	5.05	101	90-110	mg/L

* Values outside of QC limits

: 00088

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B10038
Instrument: 311
Laboratory ID: 0B10038-SCV1
Calibration: 0B10010

Analyte	Expected	Found	% R	QC Limit	Units
Aluminum	2500	2400	96	90-110	ug/L
Barium	500	483	97	90-110	ug/L
Iron	500	495	99	90-110	ug/L
Magnesium	5.00	5.06	101	90-110	mg/L
Manganese	500	491	98	90-110	ug/L
Nickel	500	498	100	90-110	ug/L
Sodium	5.00	4.88	98	90-110	mg/L

* Values outside of QC limits

: 00089

CRDL STANDARD

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B08007

SDG: PM020110

Project: Plainwell Mill

Instrument ID: 101

Calibration: 0B08013

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B08007-CRL1	Aluminum	100	111	111	ug/L	50 - 150
	Barium	20.0	19.8	99	ug/L	50 - 150
	Iron	20.0	21.9	109	ug/L	50 - 150
	Magnesium	1.00	1.08	108	mg/L	50 - 150
	Manganese	20.0	19.8	99	ug/L	50 - 150
	Nickel	20.0	15.5	78	ug/L	50 - 150
	Sodium	1.00	1.05	105	mg/L	50 - 150

* Values outside of QC limits

CRDL STANDARD

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B10038

SDG: PM020110

Project: Plainwell Mill

Instrument ID: 311

Calibration: 0B10010

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B10038-CRL1	Aluminum	100	113	113	ug/L	50 - 150
	Barium	20.0	21.7	108	ug/L	50 - 150
	Iron	20.0	22.4	112	ug/L	50 - 150
	Magnesium	1.00	1.06	106	mg/L	50 - 150
	Manganese	20.0	18.7	94	ug/L	50 - 150
	Nickel	20.0	17.9	90	ug/L	50 - 150
	Sodium	1.00	1.03	103	mg/L	50 - 150

* Values outside of QC limits

BLANKS
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B08007
Instrument ID: 101
Calibration: 0B08013

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B08007-CCB1	Aluminum	-14	50	23	ug/L	U	02/08/10 07:58
	Barium	-1.4	10	3.6	ug/L	U	02/08/10 07:58
	Iron	2.4	20	4.2	ug/L	U	02/08/10 07:58
	Magnesium	-0.027	0.50	0.048	mg/L	U	02/08/10 07:58
	Manganese	-1.5	20	3.1	ug/L	U	02/08/10 07:58
	Nickel	2.6	10	6.4	ug/L	U	02/08/10 07:58
	Sodium	-0.016	0.50	0.14	mg/L	U	02/08/10 07:58
0B08007-CCB2	Aluminum	-25	50	23	ug/L	J	02/08/10 09:41
	Barium	-3.3	10	3.6	ug/L	U	02/08/10 09:41
	Iron	0.22	20	4.2	ug/L	U	02/08/10 09:41
	Magnesium	-0.0091	0.50	0.048	mg/L	U	02/08/10 09:41
	Manganese	-1.3	20	3.1	ug/L	U	02/08/10 09:41
	Nickel	-3.6	10	6.4	ug/L	U	02/08/10 09:41
	Sodium	-0.047	0.50	0.14	mg/L	U	02/08/10 09:41
0B08007-CCB3	Aluminum	-28	50	23	ug/L	J	02/08/10 10:22
	Barium	-1.5	10	3.6	ug/L	U	02/08/10 10:22
	Iron	1.3	20	4.2	ug/L	U	02/08/10 10:22
	Magnesium	-0.014	0.50	0.048	mg/L	U	02/08/10 10:22
	Manganese	-1.6	20	3.1	ug/L	U	02/08/10 10:22
	Nickel	5.3	10	6.4	ug/L	U	02/08/10 10:22
	Sodium	-0.029	0.50	0.14	mg/L	U	02/08/10 10:22
0B08007-CCB4	Aluminum	-23	50	23	ug/L	U	02/08/10 10:39
	Barium	-1.3	10	3.6	ug/L	U	02/08/10 10:39
	Iron	-1.0	20	4.2	ug/L	U	02/08/10 10:39
	Magnesium	0.0052	0.50	0.048	mg/L	U	02/08/10 10:39
	Manganese	-1.9	20	3.1	ug/L	U	02/08/10 10:39
	Nickel	1.8	10	6.4	ug/L	U	02/08/10 10:39
	Sodium	-0.024	0.50	0.14	mg/L	U	02/08/10 10:39
0B08007-CCB5	Aluminum	-39	50	23	ug/L	J	02/08/10 11:52
	Barium	-1.7	10	3.6	ug/L	U	02/08/10 11:52
	Iron	2.1	20	4.2	ug/L	U	02/08/10 11:52
	Magnesium	-0.018	0.50	0.048	mg/L	U	02/08/10 11:52
	Manganese	-1.3	20	3.1	ug/L	U	02/08/10 11:52

BLANKS
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B08007

SDG: PM020110
Project: Plainwell Mill
Instrument ID: 101
Calibration: 0B08013

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B08007-CCB5	Nickel	0.63	10	6.4	ug/L	U	02/08/10 11:52
	Sodium	-0.031	0.50	0.14	mg/L	U	02/08/10 11:52

* Values outside of QC limits

BLANKS
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B10038

SDG: PM020110
Project: Plainwell Mill
Instrument ID: 311
Calibration: 0B10010

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B10038-CCB1	Aluminum	-12	50	23	ug/L	U	02/10/10 10:54
	Barium	1.1	10	3.6	ug/L	U	02/10/10 10:54
	Iron	1.9	20	4.2	ug/L	U	02/10/10 10:54
	Magnesium	0.0053	0.50	0.048	mg/L	U	02/10/10 10:54
	Manganese	-2.9	20	3.1	ug/L	U	02/10/10 10:54
	Nickel	-2.8	10	6.4	ug/L	U	02/10/10 10:54
	Sodium	0.012	0.50	0.14	mg/L	U	02/10/10 10:54
0B10038-CCB2	Aluminum	-8.4	50	23	ug/L	U	02/10/10 13:04
	Barium	1.1	10	3.6	ug/L	U	02/10/10 13:04
	Iron	1.1	20	4.2	ug/L	U	02/10/10 13:04
	Magnesium	0.011	0.50	0.048	mg/L	U	02/10/10 13:04
	Manganese	-3.4	20	3.1	ug/L	J	02/10/10 13:04
	Nickel	-2.9	10	6.4	ug/L	U	02/10/10 13:04
	Sodium	0.0078	0.50	0.14	mg/L	U	02/10/10 13:04
0B10038-CCB3	Aluminum	-13	50	23	ug/L	U	02/10/10 13:52
	Barium	1.2	10	3.6	ug/L	U	02/10/10 13:52
	Iron	2.1	20	4.2	ug/L	U	02/10/10 13:52
	Magnesium	0.0026	0.50	0.048	mg/L	U	02/10/10 13:52
	Manganese	-3.5	20	3.1	ug/L	J	02/10/10 13:52
	Nickel	-2.5	10	6.4	ug/L	U	02/10/10 13:52
	Sodium	0.014	0.50	0.14	mg/L	U	02/10/10 13:52

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B08007

SDG: PM020110

Project: Plainwell Mill

Instrument ID: 101

Calibration: 0B08013

Lab Sample ID	Analyte	True	Found	%R	Units
0B08007-IFA1	Aluminum	100000	99800	100	ug/L
	Barium	0.00	-1.72		ug/L
	Iron	40000	38900	97	ug/L
	Magnesium	100	97.9	98	mg/L
	Manganese	0.00	0.964		ug/L
	Nickel	0.00	10.6		ug/L
	Sodium	0.00	-0.0130		mg/L
0B08007-IFA2	Aluminum	0.00	82.1		ug/L
	Barium	0.00	-1.93		ug/L
	Iron	0.00	7.56		ug/L
	Magnesium	0.00	0.0142		mg/L
	Manganese	20000	20300	101	ug/L
	Nickel	20000	20300	102	ug/L
	Sodium	0.00	0.0465		mg/L
0B08007-IFB1	Aluminum	100000	100000	100	ug/L
	Barium	500	445	89	ug/L
	Iron	40000	39800	99	ug/L
	Magnesium	100	99.9	100	mg/L
	Manganese	500	495	99	ug/L
	Nickel	1000	973	97	ug/L
0B08007-IFB2	Aluminum	1000	1090	109	ug/L
	Magnesium	5.00	5.07	101	mg/L
	Manganese	20000	20000	100	ug/L
	Nickel	20000	20100	101	ug/L
	Sodium	5.00	5.05	101	mg/L

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B10038

SDG: PM020110

Project: Plainwell Mill

Instrument ID: 311

Calibration: 0B10010

Lab Sample ID	Analyte	True	Found	%R	Units
0B10038-IFA1	Aluminum	100000	99300	99	ug/L
	Barium	0.00	1.31		ug/L
	Iron	40000	39100	98	ug/L
	Magnesium	100	97.8	98	mg/L
	Manganese	0.00	0.258		ug/L
	Nickel	0.00	-2.16		ug/L
	Sodium	0.00	0.00412		mg/L
0B10038-IFA2	Aluminum	0.00	65.0		ug/L
	Barium	0.00	1.07		ug/L
	Iron	0.00	-4.03		ug/L
	Magnesium	0.00	-0.184		mg/L
	Manganese	20000	20000	100	ug/L
	Nickel	20000	20600	103	ug/L
	Sodium	0.00	0.0454		mg/L
0B10038-IFB1	Aluminum	100000	100000	100	ug/L
	Barium	500	446	89	ug/L
	Iron	40000	39200	98	ug/L
	Magnesium	100	98.5	99	mg/L
	Manganese	500	506	101	ug/L
	Nickel	1000	979	98	ug/L
0B10038-IFB2	Aluminum	1000	1040	104	ug/L
	Magnesium	5.00	4.88	98	mg/L
	Manganese	20000	19500	97	ug/L
	Nickel	20000	20100	101	ug/L
	Sodium	5.00	5.03	101	mg/L

* Values outside of QC limits

QC BATCH SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1000974
QC Batch Matrix: Water
Preparation: 3010A Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000974-BLK1	02/04/10 07:00	
LCS	1000974-BS1	02/04/10 07:00	
S-GW-56394-CB-020110-199	1000974-MS1	02/04/10 07:00	
S-GW-56394-CB-020110-199	1000974-MSD1	02/04/10 07:00	
S-GW-56394-CB-020110-199	1000974-PS1	02/08/10 07:00	
S-GW-56394-CB-020110-199	1000974-PS2	02/08/10 07:00	
S-GW-56394-CB-020110-199	1002041-01	02/04/10 07:00	
S-GW-56394-CB-020110-201	1002041-02	02/04/10 07:00	
S-GW-56394-CB-020210-205	1002041-03	02/04/10 07:00	
SD-GW-56394-CB-020210-205	1002041-04	02/04/10 07:00	

QC BATCH SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1001064
QC Batch Matrix: Water
Preparation: 3010A Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1001064-BLK1	02/09/10 07:00	
LCS	1001064-BS1	02/09/10 07:00	
S-GW-56394-CB-020310-210	1001064-MS1	02/09/10 07:00	
S-GW-56394-CB-020310-210	1001064-MSD1	02/09/10 07:00	
S-GW-56394-CB-020310-210	1001064-PS1	02/10/10 10:30	
S-GW-56394-CB-020310-210	1002085-01	02/09/10 07:00	
S-GW-56394-CB-020410-217	1002085-02	02/09/10 07:00	

METHOD BLANK DATA SHEET
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
Laboratory ID: 1000974-BLK1
File ID: 0B08006-042
Prepared: 02/04/10 07:00
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL
Analyzed: 02/08/10 09:54
Instrument: 101
QC Batch: 1000974
Sequence: 0B08007
Calibration: 0B08013

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7429-90-5	Aluminum, Total	23	50	50	ug/L	U
7440-39-3	Barium, Total	3.6	10	10	ug/L	U
7439-89-6	Iron, Total	4.2	20	15	ug/L	J
7439-95-4	Magnesium, Total	0.048	0.50	0.50	mg/L	U
7439-96-5	Manganese, Total	3.1	20	20	ug/L	U
7440-02-0	Nickel, Total	6.4	10	10	ug/L	U
7440-23-5	Sodium, Total	0.14	0.50	0.50	mg/L	U

METHOD BLANK DATA SHEET
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
Laboratory ID: 1001064-BLK1
File ID: 0B10018-041
Prepared: 02/09/10 07:00
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL
Analyzed: 02/10/10 13:16
Instrument: 311
QC Batch: 1001064
Sequence: 0B10038
Calibration: 0B10010

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7429-90-5	Aluminum, Total	23	50	50	ug/L	U
7440-39-3	Barium, Total	3.6	10	10	ug/L	U
7439-89-6	Iron, Total	4.2	20	4.3	ug/L	J
7439-95-4	Magnesium, Total	0.048	0.50	0.50	mg/L	U
7439-96-5	Manganese, Total	3.1	20	20	ug/L	U
7440-02-0	Nickel, Total	6.4	10	10	ug/L	U
7440-23-5	Sodium, Total	0.14	0.50	0.50	mg/L	U

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-GW-56394-CB-020110-199

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

SDG: PM020110

Project: Plainwell Mill

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

Laboratory ID: 1000974-MS1

QC Batch: 1000974

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Aluminum, Total	2000	ND	1980	99	75 - 125	ug/L
Barium, Total	400	112	508	99	75 - 125	ug/L
Iron, Total	400	4170	4490	81	75 - 125	ug/L
Magnesium, Total	20.0	23.5	44.3	104	75 - 125	mg/L
Manganese, Total	400	478	887	102	75 - 125	ug/L
Nickel, Total	400	9.94	391	95	75 - 125	ug/L
Sodium, Total	20.0	48.1	67.4	96	75 - 125	mg/L

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

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-GW-56394-CB-020110-199

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

SDG: PM020110

Project: Plainwell Mill

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

Laboratory ID: 1000974-MSD1

QC Batch: 1000974

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Aluminum, Total	2000	1970	99	0.6	20	75 - 125	ug/L
Barium, Total	400	504	98	0.9	20	75 - 125	ug/L
Iron, Total	400	4530	91	0.9	20	75 - 125	ug/L
Magnesium, Total	20.0	44.3	104	0.1	20	75 - 125	mg/L
Manganese, Total	400	889	103	0.1	20	75 - 125	ug/L
Nickel, Total	400	387	94	1	20	75 - 125	ug/L
Sodium, Total	20.0	67.0	94	0.6	20	75 - 125	mg/L

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

* Values outside of QC limits

00102

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-GW-56394-CB-020310-210

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

SDG: PM020110

Project: Plainwell Mill

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

Laboratory ID: 1001064-MS1

QC Batch: 1001064

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Aluminum, Total	2000	ND	1930	97	75 - 125	ug/L
Barium, Total	400	112	491	95	75 - 125	ug/L
Iron, Total	400	10.5	387	94	75 - 125	ug/L
Magnesium, Total	20.0	24.5	42.3	89	75 - 125	mg/L
Manganese, Total	400	ND	387	97	75 - 125	ug/L
Nickel, Total	400	ND	379	95	75 - 125	ug/L
Sodium, Total	20.0	40.1	57.7	88	75 - 125	mg/L

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

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-GW-56394-CB-020310-210

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

SDG: PM020110

Project: Plainwell Mill

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

Laboratory ID: 1001064-MSD1

QC Batch: 1001064

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Aluminum, Total	2000	1890	95	2	20	75 - 125	ug/L
Barium, Total	400	483	93	2	20	75 - 125	ug/L
Iron, Total	400	381	93	2	20	75 - 125	ug/L
Magnesium, Total	20.0	41.5	85	2	20	75 - 125	mg/L
Manganese, Total	400	380	95	2	20	75 - 125	ug/L
Nickel, Total	400	374	93	1	20	75 - 125	ug/L
Sodium, Total	20.0	56.6	83	2	20	75 - 125	mg/L

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

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010B

S-GW-56394-CB-020110-199

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
% Solids:
Laboratory ID: 1000974-PS1
Lab Source ID: 1002041-01

SDG: PM020110
Project: Plainwell Mill
Preparation: 3010A Digestion
Initial/Final: 4 mL / 4 mL
QC Batch: 1000974
Sequence: 0B08007

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Aluminum, Total	80 - 120	1290	-58.3	1250	108	ug/L
Barium, Total	80 - 120	352	112	250	96	ug/L
Magnesium, Total	80 - 120	38.8	23.5	12.5	122 *	mg/L
Manganese, Total	80 - 120	781	478	250	121 *	ug/L
Nickel, Total	80 - 120	273	9.94	250	105	ug/L
Sodium, Total	80 - 120	58.8	48.1	12.5	86	mg/L

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010B

S-GW-56394-CB-020110-199

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
% Solids:
Laboratory ID: 1000974-PS2
Lab Source ID: 1002041-01

SDG: PM020110
Project: Plainwell Mill
Preparation: 3010A Digestion
Initial/Final: 1 mL / 1 mL
QC Batch: 1000974
Sequence: 0B08007

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Iron, Total	80 - 120	6770	4170	2500	104	ug/L

* Values outside of QC limits

00106

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010B

S-GW-56394-CB-020310-210

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
% Solids:
Laboratory ID: 1001064-PS1
Lab Source ID: 1002085-01

SDG: PM020110
Project: Plainwell Mill
Preparation: 3010A Digestion
Initial/Final: 4 mL / 4 mL
QC Batch: 1001064
Sequence: 0B10038

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Aluminum, Total	80 - 120	1210	-18.8	1250	98	ug/L
Barium, Total	80 - 120	348	112	250	94	ug/L
Iron, Total	80 - 120	248	10.5	250	95	ug/L
Magnesium, Total	80 - 120	35.8	24.5	12.5	90	mg/L
Manganese, Total	80 - 120	244	-2.09	250	98	ug/L
Nickel, Total	80 - 120	242	-1.37	250	97	ug/L
Sodium, Total	80 - 120	51.4	40.1	12.5	91	mg/L

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY
USEPA-6010B

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

Laboratory ID: 1000974-BS1

SDG: PM020110
Project: Plainwell Mill
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL
QC Batch: 1000974
Sequence: 0B08007

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Aluminum, Total	2000	2000	100	80 - 120	ug/L
Barium, Total	400	402	101	80 - 120	ug/L
Iron, Total	400	402	101	80 - 120	ug/L
Magnesium, Total	20.0	20.4	102	80 - 120	mg/L
Manganese, Total	400	402	101	80 - 120	ug/L
Nickel, Total	400	370	92	80 - 120	ug/L
Sodium, Total	20.0	20.3	101	80 - 120	mg/L

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

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY
USEPA-6010B

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

Laboratory ID: 1001064-BS1

SDG: PM020110
Project: Plainwell Mill
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL
QC Batch: 1001064
Sequence: 0B10038

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Aluminum, Total	2000	1870	93	80 - 120	ug/L
Barium, Total	400	371	93	80 - 120	ug/L
Iron, Total	400	386	97	80 - 120	ug/L
Magnesium, Total	20.0	19.0	95	80 - 120	mg/L
Manganese, Total	400	381	95	80 - 120	ug/L
Nickel, Total	400	377	94	80 - 120	ug/L
Sodium, Total	20.0	18.6	93	80 - 120	mg/L

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

* Values outside of QC limits

: 00109

SERIAL DILUTION
USEPA-6010B

S-GW-56394-CB-020110-199

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
% Solids:
Laboratory ID: 0B08007-SRD1
QC Batch: 0B08007
Lab Source ID: 1002041-01
Sequence: 0B08007

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Aluminum, Total	-58.3	U	-137	U	135.0 #		ug/L	10
Barium, Total	112		101		10.0 #		ug/L	10
Magnesium, Total	23.5		26.3		12.0	*	mg/L	10
Manganese, Total	478		532		11.0	*	ug/L	10
Nickel, Total	9.94	J	-12.7	U	228.0 #		ug/L	10
Sodium, Total	48.1		46.2		4.0		mg/L	10

* Values outside of QC limits

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

SERIAL DILUTION
USEPA-6010B

S-GW-56394-CB-020110-199

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
% Solids:
Laboratory ID: 0B08007-SRD2
QC Batch: 0B08007
Lab Source ID: 1002041-01
Sequence: 0B08007

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Iron, Total	417		435		4.0		ug/L	10

* Values outside of QC limits

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

00111

SERIAL DILUTION
USEPA-6010B

S-GW-56394-CB-020310-210

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
% Solids:
Laboratory ID: 0B10038-SRD1
QC Batch: 0B10038
Lab Source ID: 1002085-01
Sequence: 0B10038

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Aluminum, Total	-18.8	U	-54.1	U	188.0 #		ug/L	10
Barium, Total	112		115		3.0 #		ug/L	10
Iron, Total	10.5	J	17.0	U	62.0 #		ug/L	10
Magnesium, Total	24.5		24.2		1.0		mg/L	10
Manganese, Total	-2.09	U	-16.5	U	689.0 #		ug/L	10
Nickel, Total	-1.37	U	-14.5	U	958.0 #		ug/L	10
Sodium, Total	40.1		39.4		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.

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM020110

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-GW-56394-CB-020110-199	02/01/10	02/02/10		02/04/10	3	NA	02/08/10	7	180	
S-GW-56394-CB-020110-199	02/01/10	02/02/10		02/04/10	3	NA	02/08/10	7	180	
S-GW-56394-CB-020110-199	02/01/10	02/02/10		02/04/10	3	NA	02/08/10	7	180	
S-GW-56394-CB-020110-199	02/01/10	02/02/10		02/04/10	3	NA	02/08/10	7	180	
S-GW-56394-CB-020110-199	02/01/10	02/02/10		02/04/10	3	NA	02/08/10	7	180	
S-GW-56394-CB-020110-199	02/01/10	02/02/10		02/04/10	3	NA	02/08/10	7	180	
S-GW-56394-CB-020110-199	02/01/10	02/02/10		02/04/10	3	NA	02/08/10	7	180	
S-GW-56394-CB-020110-201	02/01/10	02/02/10		02/04/10	3	NA	02/08/10	7	180	
S-GW-56394-CB-020110-201	02/01/10	02/02/10		02/04/10	3	NA	02/08/10	7	180	
S-GW-56394-CB-020110-201	02/01/10	02/02/10		02/04/10	3	NA	02/08/10	7	180	
S-GW-56394-CB-020110-201	02/01/10	02/02/10		02/04/10	3	NA	02/08/10	7	180	
S-GW-56394-CB-020110-201	02/01/10	02/02/10		02/04/10	3	NA	02/08/10	7	180	
S-GW-56394-CB-020110-201	02/01/10	02/02/10		02/04/10	3	NA	02/08/10	7	180	
S-GW-56394-CB-020110-201	02/01/10	02/02/10		02/04/10	3	NA	02/08/10	7	180	
S-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/08/10	6	180	
S-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/08/10	6	180	
S-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/08/10	6	180	
S-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/08/10	6	180	
S-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/08/10	6	180	
S-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/08/10	6	180	
S-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/08/10	6	180	
SD-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/08/10	6	180	

00113

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. SDG: PM020110

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-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/08/10	6	180	
SD-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/08/10	6	180	
SD-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/08/10	6	180	
SD-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/08/10	6	180	
SD-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/08/10	6	180	
SD-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/08/10	6	180	
S-GW-56394-CB-020310-210	02/03/10	02/04/10		02/09/10	6	NA	02/10/10	7	180	
S-GW-56394-CB-020310-210	02/03/10	02/04/10		02/09/10	6	NA	02/10/10	7	180	
S-GW-56394-CB-020310-210	02/03/10	02/04/10		02/09/10	6	NA	02/10/10	7	180	
S-GW-56394-CB-020310-210	02/03/10	02/04/10		02/09/10	6	NA	02/10/10	7	180	
S-GW-56394-CB-020310-210	02/03/10	02/04/10		02/09/10	6	NA	02/10/10	7	180	
S-GW-56394-CB-020310-210	02/03/10	02/04/10		02/09/10	6	NA	02/10/10	7	180	
S-GW-56394-CB-020310-210	02/03/10	02/04/10		02/09/10	6	NA	02/10/10	7	180	
S-GW-56394-CB-020410-217	02/04/10	02/04/10		02/09/10	5	NA	02/10/10	6	180	
S-GW-56394-CB-020410-217	02/04/10	02/04/10		02/09/10	5	NA	02/10/10	6	180	
S-GW-56394-CB-020410-217	02/04/10	02/04/10		02/09/10	5	NA	02/10/10	6	180	
S-GW-56394-CB-020410-217	02/04/10	02/04/10		02/09/10	5	NA	02/10/10	6	180	
S-GW-56394-CB-020410-217	02/04/10	02/04/10		02/09/10	5	NA	02/10/10	6	180	
S-GW-56394-CB-020410-217	02/04/10	02/04/10		02/09/10	5	NA	02/10/10	6	180	
S-GW-56394-CB-020410-217	02/04/10	02/04/10		02/09/10	5	NA	02/10/10	6	180	

00114

TriMatrix Laboratories, Inc.

PREPARATION BATCH **1000974** Page 1 of 1

Printed: 2/16/2010 9:43:50AM

Metals, Water, 3010A Digestion

59115

Batch comments:

MAS 02/04/10 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
1000974-BLK1		Feb-04-10 07:00	MAS	25	25				
1000974-BS1		Feb-04-10 07:00	MAS	25	25		9100970	200	
1000974-MS1		Feb-04-10 07:00	MAS	25	25	1002041-01	9100970	200	
1000974-MSD1		Feb-04-10 07:00	MAS	25	25	1002041-01	9100970	200	
1000974-PS1		Feb-08-10 07:00	KLV	4	4	1002041-01	9050565	20	
1000974-PS2		Feb-08-10 07:00	KLV	1	1	1002041-01	9050565	50	
1002041-01	B	Feb-04-10 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*			
1002041-02	B	Feb-04-10 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*			
1002041-03	B	Feb-04-10 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*			
1002041-04	B	Feb-04-10 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, 3010A Digestion

69116

Batch comments:

MAS 02/09/10 7:00AM-4:00PM
INST#217@93.9C#223
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	*Container*	*Prepared*	*By*	*Initial (mL)*	*Final (mL)*	*Client* Source ID	*Client* Spike ID	*Client* uL Spike	*Comments*
1001064-BLK1		Feb-09-10 07:00	MAS	25	25				
1001064-BS1		Feb-09-10 07:00	MAS	25	25		9100970	200	
1001064-MS1		Feb-09-10 07:00	MAS	25	25	1002085-01	9100970	200	
1001064-MSD1		Feb-09-10 07:00	MAS	25	25	1002085-01	9100970	200	
1001064-PS1		Feb-10-10 10:30	JMF	4	4	1002085-01	9050565	20	
1002085-01	B	Feb-09-10 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*			
1002085-02	B	Feb-09-10 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:

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

Laboratory: TriMatrix Laboratories, Inc. SDG: PM020110

Client: SulTRAC Project: Plainwell Mill

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

90117

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: PM020110

Client: SulTRAC

Project: Plainwell Mill

ICP-AES Instrument ID: 101

Date: 10-6-09

Time: 13:24

00118

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

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

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM020110

Client: SulTRAC

Project: Plainwell Mill

ICP-AES Instrument ID: 311

Date: 12-14-09

Time: 12:55 PM

20119

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: PM020110

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												

090129

ICP-AES LINEAR RANGES
USEPA-6010B/200.7

Laboratory: TriMatrix SDG: PM020110

Client: SulTRAC Project: Plainwell Mill

ICP-AES Instrument ID: 101

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

Comments:

ICP-AES LINEAR RANGES
USEPA-6010B/200.7

Laboratory: TriMatrix SDG: PM020110

Client: SulTRAC Project: Plainwell Mill

ICP-AES Instrument ID: 311

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

Comments:

Due 2-16

TriMatrix Laboratories, Inc.

OPP SSC 2/15 0B08007 cctr Calib 0B08013

Metals Laboratory Instrument Run Sequence

Instrument #: 101

Date: 2-8-10

Analyst: KW

Data File: 0B08006 splp

Calibration BLK/ICB/CCB: 5%HNO3/1109060/5%HCL/4109080

Internal Standard #: 0010921

Autosampler Position:

1. BLK/CCB/9110898
2. STD 1/0010621
3. STD 2/0010622
4. STD3/CCV/0010623
5. STD4/0010624
9. DAILY SCV/CCV1/9110899
10. CRL/0010356
11. IFA1/0010740
12. IFA2/0020174
13. IFB1/0010637
14. IFB2/0010316

Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor	Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor
1/17	1000900-BLK1				35/51	1000900-PS2			5
2/18	BS1				36/52	1002041-01			10
3/19	1002004-01				37/53	0B08007-SRD2			50
4/20	1000900-MS1				38/54	1000974 PS2			10
5/21	MSD1				39/55				
6/22	SRD1				40/56				
7/23	PS1				41/57				
8/24	1002004-02				42/58				
9/25	03				43/59				
10/26	04				44/60				
11/27	05				45/61				
12/28	06				46/62				
13/29	07				47/63				
14/30	08				48/64				
15/31	1000900-MS2				49/65				
16/32	MSD2				50/66				
17/33	SRD2				51/67				
18/34	PS2				52/68				
19/35	1002004-09				53/69				
20/36	10				54/70				
21/37	11				55/71				
22/38	12				56/72				
23/39	1000974-BLK1				57/73				
24/40	BS1				58/74				
25/41	1002041-01				59/75				
26/42	1000974-MS1				60/76				
27/43	MSD1				61/77				
28/44	SRD1				62/78				
29/45	PS1				63/79				
30/46	1002041-02				64/80				
31/47	03				65/81				
32/48	04				66/82				
33/49	1002004-08			5	67/83				
34/50	0B08006 SRD3			25	68/84				

Method - AQU_6010C_101
SIF File - 0b08006

Seq #	A/S Loc	ID	Category
1	1	IS Init	IS Init.
2	1	0B08006-CAL1	Calib Blank
3	2	0B08006-CAL2	Calib Std.
4	3	0B08006-CAL3	Calib Std.
5	4	0B08006-CAL4	Calib Std.
6	5	0B08006-CAL5	Calib Std.
7	9	0B08006-SCV1	QC
8	1	0B08006-CCB	QC
9	10	0B08006-CRL1	QC
10	11	0B08006-IFA1	QC
11	12	0B08006-IFA2	QC
12	13	0B08006-IFB1	QC
13	14	0B008006-IFB2	QC
14	4	0B08006-CCV	QC
15	1	0B08006-CCB	QC
16	17	1000900-blk1	Sample
17	18	1000900-bs1	Sample
18	19	1002004-01	Sample
19	20	1000900-ms1	Sample
20	21	1000900-msd1	Sample
21	22	0b08006-srd1	Sample
22	23	1000900-ps1	Sample
23	24	1002004-02	Sample
24	25	1002004-03	Sample
25	4	0B08006-CCV	QC
26	1	0B08006-CCB	QC
27	26	1002004-04	Sample
28	27	1002004-05	Sample
29	28	1002004-06	Sample
30	29	1002004-07	Sample
31	30	1002004-08	Sample
32	31	1000900-ms2	Sample
33	32	1000900-msd2	Sample
34	33	0b08006-srd2	Sample
35	34	1000900-ps2	Sample
36	35	1002004-09	Sample
37	4	0B08006-CCV	QC
38	1	0B08006-CCB	QC
39	36	1002004-10	Sample
40	37	1002004-11	Sample
41	38	1002004-12	Sample
42	39	1000974-blk1	Sample
43	40	1000974-bs1	Sample
44	41	1002041-01	Sample
45	42	1000974-ms1	Sample
46	43	1000974-msd1	Sample
47	44	0b08007-srd1	Sample
48	45	1000974-ps1	Sample
49	4	0B08006-CCV	QC
50	1	0B08006-CCB	QC
51	46	1002041-02	Sample
52	47	1002041-03	Sample
53	48	1002041-04	Sample
54	4	0B08006-CCV	QC
55	1	0B08006-CCB	QC

KW

Calibration Summary
Method: AQU_6010C_101 Date: 2/8/10 7:36:20 AM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.

Method: AQU_6010C_101 IEC: IEC-35.IEC MSF:
Results: 0B08006 Spectra Stored: Yes Method Stored: Yes
Sample Info: 0b08006 User: User1 Date: 2/8/10 7:36:20 AM
Method Description: Aqueous 6010C

Replicate Data
ID: IS Init Date: 2/8/10 7:37:29 AM

Repl#	Element	Net Intensity	Corrected Intensity
1	Sc 357.253	397816.6	397816.6
1	Y 360.064	242902.9	242902.9
2	Sc 357.253	397162.3	397162.3
2	Y 360.064	242445.6	242445.6

Mean Data
ID: IS Init Seq. No.: 1 A/S Pos: 1
Data: Original Date: 2/8/10 7:37:29 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD
Sc 357.253	397489.4	462.66	0.12%
Y 360.064	242674.3	323.38	0.13%

Replicate Data
ID: 0B08006-CAL1 Date: 2/8/10 7:38:28 AM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units
1	Sc 357.253	490536.4	490536.4	123.4	µg/L
1	Y 360.064	306385.4	306385.4	126.3	µg/L
1	Ag 328.068	-191.0	-154.8	0	µg/L
1	Al 396.140	-166.0	-134.6	0	µg/L
1	As 188.979	1.8	1.5	0	µg/L
1	B 249.773	266.8	216.2	0	µg/L
1	Ba 455.403	8320.4	6742.1	0	µg/L
1	Be 234.861	110.2	89.3	0	µg/L
1	Ca 315.887	-30.0	-24.3	0	mg/L
1	Cd 214.438	35.4	28.7	0	µg/L
1	Ce 413.765	-178.1	-144.3	0	µg/L
1	Co 228.616	-31.8	-25.7	0	µg/L
1	Cr 205.560	51.0	41.3	0	µg/L
1	Cu 327.394	-9.1	-7.4	0	µg/L
1	Fe 238.204	120.4	97.5	0	µg/L
1	K 766.514	2058.7	1668.2	0	mg/L
1	Li 670.781	382.3	309.8	0	µg/L
1	Mg 279.074	18.3	14.8	0	mg/L
1	Mn 257.610	-192.1	-155.6	0	µg/L
1	Mo 202.031	7.0	5.7	0	µg/L
1	Na 589.594	3046.1	2468.3	0	mg/L
1	Ni 231.603	86.4	70.0	0	µg/L
1	Pb 220.353	8.0	6.5	0	µg/L
1	Sb 206.831	-7.7	-6.3	0	µg/L
1	Se 196.026	63.8	51.7	0	µg/L
1	Si 251.611	1137.7	921.9	0	µg/L
1	Sn 189.933	-1.2	-0.9	0	µg/L
1	Sr 407.771	751.2	608.7	0	µg/L
1	Ti 334.941	1784.9	1446.3	0	µg/L
1	Tl 190.800	13.5	11.0	0	µg/L
1	V 292.402	-259.2	-210.1	0	µg/L

1	Zn 206.200	0.8	0.6	0	µg/L
2	Sc 357.253	455365.0	455365.0	114.6	µg/L
2	Y 360.064	282431.2	282431.2	116.4	µg/L
2	Ag 328.068	-26.2	-22.8	0	µg/L
2	Al 396.140	-163.9	-143.1	0	µg/L
2	As 188.979	9.5	8.3	0	µg/L
2	B 249.773	259.4	226.4	0	µg/L
2	Ba 455.403	8368.8	7305.2	0	µg/L
2	Be 234.861	109.4	95.5	0	µg/L
2	Ca 315.887	-71.7	-62.6	0	mg/L
2	Cd 214.438	38.9	33.9	0	µg/L
2	Ce 413.765	-318.1	-277.6	0	µg/L
2	Co 228.616	-15.1	-13.2	0	µg/L
2	Cr 205.560	52.7	46.0	0	µg/L
2	Cu 327.394	-93.7	-81.8	0	µg/L
2	Fe 238.204	103.0	89.9	0	µg/L
2	K 766.514	1941.9	1695.1	0	mg/L
2	Li 670.781	346.3	302.3	0	µg/L
2	Mg 279.074	-48.1	-42.0	0	mg/L
2	Mn 257.610	-231.8	-202.3	0	µg/L
2	Mo 202.031	11.9	10.4	0	µg/L
2	Na 589.594	2949.6	2574.7	0	mg/L
2	Ni 231.603	78.8	68.8	0	µg/L
2	Pb 220.353	-2.9	-2.5	0	µg/L
2	Sb 206.831	-0.1	-0.1	0	µg/L
2	Se 196.026	55.3	48.3	0	µg/L
2	Si 251.611	1138.1	993.4	0	µg/L
2	Sn 189.933	-1.8	-1.6	0	µg/L
2	Sr 407.771	733.0	639.8	0	µg/L
2	Ti 334.941	1799.7	1571.0	0	µg/L
2	Tl 190.800	23.2	20.2	0	µg/L
2	V 292.402	-270.1	-235.8	0	µg/L
2	Zn 206.200	1.0	0.9	0	µg/L

Mean Data

ID: 0B08006-CAL1 Seq. No.: 2 A/S Pos: 1
Data: Original Date: 2/8/10 7:38:28 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.253	472950.7	24869.93	5.26%	119.0	µg/L
Y 360.064	294408.3	16938.13	5.75%	121.3	µg/L
Ag 328.068	-88.8	93.30	105.07%	0	µg/L
Al 396.140	-138.8	6.04	4.35%	0	µg/L
As 188.979	4.9	4.86	99.22%	0	µg/L
B 249.773	221.3	7.24	3.27%	0	µg/L
Ba 455.403	7023.7	398.15	5.67%	0	µg/L
Be 234.861	92.4	4.38	4.74%	0	µg/L
Ca 315.887	-43.4	27.10	62.39%	0	mg/L
Cd 214.438	31.3	3.68	11.75%	0	µg/L
Ce 413.765	-211.0	94.28	44.69%	0	µg/L
Co 228.616	-19.5	8.89	45.71%	0	µg/L
Cr 205.560	43.6	3.31	7.59%	0	µg/L
Cu 327.394	-44.6	52.58	117.95%	0	µg/L
Fe 238.204	93.7	5.37	5.73%	0	µg/L
K 766.514	1681.6	19.02	1.13%	0	mg/L
Li 670.781	306.1	5.29	1.73%	0	µg/L
Mg 279.074	-13.6	40.22	295.94%	0	mg/L
Mn 257.610	-179.0	33.02	18.45%	0	µg/L
Mo 202.031	8.0	3.29	41.07%	0	µg/L
Na 589.594	2521.5	75.21	2.98%	0	mg/L
Ni 231.603	69.4	0.88	1.26%	0	µg/L
Pb 220.353	2.0	6.36	324.49%	0	µg/L
Sb 206.831	-3.2	4.36	137.17%	0	µg/L
Se 196.026	50.0	2.44	4.88%	0	µg/L
Si 251.611	957.7	50.57	5.28%	0	µg/L
Sn 189.933	-1.3	0.47	37.04%	0	µg/L
Sr 407.771	624.3	21.98	3.52%	0	µg/L
Ti 334.941	1508.7	88.14	5.84%	0	µg/L
Tl 190.800	15.6	6.56	42.06%	0	µg/L
V 292.402	-222.9	18.19	8.16%	0	µg/L

Zn 206.200	0.8	0.20	26.13%	0 µg/L

Replicate Data

ID: 0B08006-CAL2 Date: 2/8/10 7:41:41 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units
1	Sc 357.253	398794.1	398794.1	100.3	µg/L
1	Y 360.064	243945.5	243945.5	100.5	µg/L
1	Ag 328.068	104.4	104.0	5.00	µg/L
1	Al 396.140	410.1	408.7	50.00	µg/L
1	As 188.979	30.7	30.6	100.00	µg/L
1	B 249.773	779.2	776.6	50.00	µg/L
1	Ba 455.403	14854.7	14806.1	10.00	µg/L
1	Be 234.861	197.8	197.1	1.00	µg/L
1	Ca 315.887	4241.9	4228.0	0.500	mg/L
1	Cd 214.438	73.3	73.0	5.00	µg/L
1	Co 228.616	9.3	9.3	10.00	µg/L
1	Cr 205.560	66.1	65.9	10.00	µg/L
1	Cu 327.394	14.7	14.7	10.00	µg/L
1	Fe 238.204	181.9	181.3	10.00	µg/L
1	K 766.514	2513.2	2504.9	0.100	mg/L
1	Li 670.781	1365.0	1360.5	8.00	µg/L
1	Mg 279.074	606.9	604.9	0.500	mg/L
1	Mn 257.610	546.9	545.1	10.00	µg/L
1	Na 589.594	10453.3	10419.1	0.500	mg/L
1	Ni 231.603	98.8	98.4	10.00	µg/L
1	Pb 220.353	5.8	5.8	50.00	µg/L
1	Sb 206.831	15.5	15.5	100.00	µg/L
1	Se 196.026	83.0	82.8	100.00	µg/L
1	Si 251.611	1646.5	1641.1	100.00	µg/L
1	Sn 189.933	8.6	8.6	100.00	µg/L
1	Sr 407.771	69863.1	69634.5	50.00	µg/L
1	Tl 190.800	32.2	32.1	100.00	µg/L
1	V 292.402	-142.5	-142.0	10.00	µg/L
1	Zn 206.200	22.6	22.5	10.00	µg/L
2	Sc 357.253	395863.6	395863.6	99.6	µg/L
2	Y 360.064	242022.9	242022.9	99.7	µg/L
2	Ag 328.068	65.9	66.2	5.00	µg/L
2	Al 396.140	458.4	460.2	50.00	µg/L
2	As 188.979	25.5	25.7	100.00	µg/L
2	B 249.773	778.6	781.8	50.00	µg/L
2	Ba 455.403	14754.8	14815.4	10.00	µg/L
2	Be 234.861	184.3	185.0	1.00	µg/L
2	Ca 315.887	4239.1	4256.5	0.500	mg/L
2	Cd 214.438	85.4	85.7	5.00	µg/L
2	Co 228.616	18.1	18.2	10.00	µg/L
2	Cr 205.560	69.2	69.5	10.00	µg/L
2	Cu 327.394	52.6	52.8	10.00	µg/L
2	Fe 238.204	188.4	189.2	10.00	µg/L
2	K 766.514	2487.4	2497.6	0.100	mg/L
2	Li 670.781	1522.9	1529.2	8.00	µg/L
2	Mg 279.074	637.4	640.0	0.500	mg/L
2	Mn 257.610	556.4	558.7	10.00	µg/L
2	Na 589.594	10593.8	10637.3	0.500	mg/L
2	Ni 231.603	99.2	99.6	10.00	µg/L
2	Pb 220.353	8.1	8.1	50.00	µg/L
2	Sb 206.831	22.0	22.1	100.00	µg/L
2	Se 196.026	80.9	81.2	100.00	µg/L
2	Si 251.611	1634.4	1641.1	100.00	µg/L
2	Sn 189.933	4.9	4.9	100.00	µg/L
2	Sr 407.771	69973.9	70261.2	50.00	µg/L
2	Tl 190.800	33.9	34.1	100.00	µg/L
2	V 292.402	-152.2	-152.9	10.00	µg/L
2	Zn 206.200	16.6	16.6	10.00	µg/L

Mean Data

ID: 0B08006-CAL2 Seq. No.: 3 A/S Pos: 2
Data: Original Date: 2/8/10 7:41:41 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.253	397328.9	2072.19	0.52%	100.0	µg/L
Y 360.064	242984.2	1359.53	0.56%	100.1	µg/L
Ag 328.068	85.1	26.76	31.44%	5.00	µg/L
Al 396.140	434.5	36.41	8.38%	50.00	µg/L
As 188.979	28.1	3.48	12.38%	100.00	µg/L
B 249.773	779.2	3.63	0.47%	50.00	µg/L
Ba 455.403	14810.7	6.57	0.04%	10.00	µg/L
Be 234.861	191.1	8.53	4.47%	1.00	µg/L
Ca 315.887	4242.3	20.18	0.48%	0.500	mg/L
Cd 214.438	79.4	8.96	11.29%	5.00	µg/L
Co 228.616	13.8	6.30	45.76%	10.00	µg/L
Cr 205.560	67.7	2.56	3.78%	10.00	µg/L
Cu 327.394	33.7	26.96	79.91%	10.00	µg/L
Fe 238.204	185.3	5.58	3.01%	10.00	µg/L
K 766.514	2501.3	5.19	0.21%	0.100	mg/L
Li 670.781	1444.9	119.27	8.25%	8.00	µg/L
Mg 279.074	622.4	24.82	3.99%	0.500	mg/L
Mn 257.610	551.9	9.56	1.73%	10.00	µg/L
Na 589.594	10528.2	154.28	1.47%	0.500	mg/L
Ni 231.603	99.0	0.84	0.84%	10.00	µg/L
Pb 220.353	7.0	1.65	23.67%	50.00	µg/L
Sb 206.831	18.8	4.68	24.92%	100.00	µg/L
Se 196.026	82.0	1.12	1.36%	100.00	µg/L
Si 251.611	1641.1	0.02	0.00%	100.00	µg/L
Sn 189.933	6.8	2.60	38.32%	100.00	µg/L
Sr 407.771	69947.9	443.15	0.63%	50.00	µg/L
Tl 190.800	33.1	1.36	4.10%	100.00	µg/L
V 292.402	-147.4	7.68	5.21%	10.00	µg/L
Zn 206.200	19.6	4.19	21.37%	10.00	µg/L

Replicate Data

ID: 0B08006-CAL3 Date: 2/8/10 7:44:57 AM

Repl#	Element	Net Intensity	Corrected Intensity	Conc.	Calib Units
1	Sc 357.253	400823.7	400823.7	100.8	µg/L
1	Y 360.064	245601.9	245601.9	101.2	µg/L
1	Ag 328.068	2438.9	2418.6	100.00	µg/L
1	Al 396.140	3878.6	3846.4	500.00	µg/L
1	As 188.979	96.5	95.7	500.00	µg/L
1	B 249.773	1344.4	1333.2	100.00	µg/L
1	Ba 455.403	71263.5	70670.6	100.00	µg/L
1	Be 234.861	1010.1	1001.7	10.00	µg/L
1	Ca 315.887	9674.9	9594.4	1.00	mg/L
1	Cd 214.438	717.0	711.1	100.00	µg/L
1	Co 228.616	324.0	321.3	100.00	µg/L
1	Cr 205.560	152.0	150.8	100.00	µg/L
1	Cu 327.394	1352.6	1341.4	100.00	µg/L
1	Fe 238.204	980.9	972.7	100.0	µg/L
1	K 766.514	5673.4	5626.2	1.00	mg/L
1	Li 670.781	16838.3	16698.2	100.00	µg/L
1	Mg 279.074	1271.2	1260.6	1.00	mg/L
1	Mn 257.610	7495.1	7432.7	100.00	µg/L
1	Mo 202.031	67.4	66.8	100.0	µg/L
1	Na 589.594	18320.2	18167.8	1.00	mg/L
1	Ni 231.603	264.2	262.0	100.00	µg/L
1	Pb 220.353	19.2	19.0	100.00	µg/L
1	Sb 206.831	92.6	91.8	500.00	µg/L
1	Se 196.026	137.5	136.4	500.00	µg/L
1	Si 251.611	3425.1	3396.6	500.00	µg/L
1	Sn 189.933	46.7	46.3	500.00	µg/L
1	Sr 407.771	143268.4	142076.6	100.00	µg/L
1	Ti 334.941	10850.4	10760.1	100.00	µg/L
1	Tl 190.800	101.1	100.2	500.00	µg/L
1	V 292.402	1229.9	1219.7	100.00	µg/L
1	Zn 206.200	225.2	223.4	100.00	µg/L
2	Sc 357.253	398212.9	398212.9	100.2	µg/L
2	Y 360.064	243688.9	243688.9	100.4	µg/L

2	Ag 328.068	2553.4	2548.7	100.00 µg/L
2	Al 396.140	3961.4	3954.2	500.00 µg/L
2	As 188.979	92.3	92.2	500.00 µg/L
2	B 249.773	1363.2	1360.7	100.00 µg/L
2	Ba 455.403	71501.0	71371.1	100.00 µg/L
2	Be 234.861	1010.3	1008.5	10.00 µg/L
2	Ca 315.887	9659.2	9641.6	1.00 mg/L
2	Cd 214.438	716.8	715.5	100.00 µg/L
2	Co 228.616	321.0	320.4	100.00 µg/L
2	Cr 205.560	160.1	159.8	100.00 µg/L
2	Cu 327.394	1431.1	1428.5	100.00 µg/L
2	Fe 238.204	981.7	979.9	100.0 µg/L
2	K 766.514	5590.2	5580.0	1.00 mg/L
2	Li 670.781	16857.3	16826.7	100.00 µg/L
2	Mg 279.074	1261.2	1258.9	1.00 mg/L
2	Mn 257.610	7478.4	7464.8	100.00 µg/L
2	Mo 202.031	70.1	69.9	100.0 µg/L
2	Na 589.594	18459.5	18426.0	1.00 mg/L
2	Ni 231.603	258.5	258.0	100.00 µg/L
2	Pb 220.353	17.3	17.2	100.00 µg/L
2	Sb 206.831	101.6	101.4	500.00 µg/L
2	Se 196.026	135.9	135.6	500.00 µg/L
2	Si 251.611	3462.9	3456.6	500.00 µg/L
2	Sn 189.933	44.7	44.6	500.00 µg/L
2	Sr 407.771	143909.8	143648.3	100.00 µg/L
2	Ti 334.941	10890.3	10870.5	100.00 µg/L
2	Tl 190.800	108.8	108.6	500.00 µg/L
2	V 292.402	1257.5	1255.3	100.00 µg/L
2	Zn 206.200	235.0	234.5	100.00 µg/L

Mean Data

ID: 0B08006-CAL3 Seq. No.: 4 A/S Pos: 3
Data: Original Date: 2/8/10 7:44:57 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.253	399518.3	1846.13	0.46%	100.5	µg/L
Y 360.064	244645.4	1352.67	0.55%	100.8	µg/L
Ag 328.068	2483.6	92.05	3.71%	100.00	µg/L
Al 396.140	3900.3	76.24	1.95%	500.00	µg/L
As 188.979	93.9	2.47	2.63%	500.00	µg/L
B 249.773	1347.0	19.46	1.45%	100.00	µg/L
Ba 455.403	71020.9	495.28	0.70%	100.00	µg/L
Be 234.861	1005.1	4.84	0.48%	10.00	µg/L
Ca 315.887	9618.0	33.42	0.35%	1.00	mg/L
Cd 214.438	713.3	3.12	0.44%	100.00	µg/L
Co 228.616	320.9	0.61	0.19%	100.00	µg/L
Cr 205.560	155.3	6.39	4.11%	100.00	µg/L
Cu 327.394	1384.9	61.59	4.45%	100.00	µg/L
Fe 238.204	976.3	5.09	0.52%	100.0	µg/L
K 766.514	5603.1	32.62	0.58%	1.00	mg/L
Li 670.781	16762.4	90.81	0.54%	100.00	µg/L
Mg 279.074	1259.8	1.19	0.09%	1.00	mg/L
Mn 257.610	7448.8	22.67	0.30%	100.00	µg/L
Mo 202.031	68.4	2.21	3.23%	100.0	µg/L
Na 589.594	18296.9	182.55	1.00%	1.00	mg/L
Ni 231.603	260.0	2.77	1.07%	100.00	µg/L
Pb 220.353	18.1	1.26	6.93%	100.00	µg/L
Sb 206.831	96.6	6.79	7.02%	500.00	µg/L
Se 196.026	136.0	0.55	0.40%	500.00	µg/L
Si 251.611	3426.6	42.41	1.24%	500.00	µg/L
Sn 189.933	45.4	1.19	2.63%	500.00	µg/L
Sr 407.771	142862.5	1111.39	0.78%	100.00	µg/L
Ti 334.941	10815.3	78.04	0.72%	100.00	µg/L
Tl 190.800	104.4	5.90	5.65%	500.00	µg/L
V 292.402	1237.5	25.16	2.03%	100.00	µg/L
Zn 206.200	229.0	7.92	3.46%	100.00	µg/L

Replicate Data

ID: 0B08006-CAL4 Date: 2/8/10 7:48:21 AM

	Net	Corrected	Calib

Repl#	Element	Intensity	Intensity	Conc.	Units
1	Sc 357.253	401379.1	401379.1	101.0	µg/L
1	Y 360.064	246413.0	246413.0	101.5	µg/L
1	Ag 328.068	12399.5	12279.4	500.00	µg/L
1	Al 396.140	19012.2	18827.9	2500.00	µg/L
1	As 188.979	430.1	426.0	2500.00	µg/L
1	B 249.773	5124.3	5074.7	500.00	µg/L
1	Ba 455.403	327038.7	323869.5	500.00	µg/L
1	Be 234.861	4474.9	4431.6	50.00	µg/L
1	Ca 315.887	48948.9	48474.5	5.00	mg/L
1	Cd 214.438	3268.2	3236.5	500.00	µg/L
1	Co 228.616	1618.8	1603.1	500.00	µg/L
1	Cr 205.560	608.4	602.5	500.00	µg/L
1	Cu 327.394	7177.1	7107.6	500.00	µg/L
1	Fe 238.204	4547.3	4503.3	500.00	µg/L
1	K 766.514	18426.7	18248.2	5.00	mg/L
1	Li 670.781	80943.9	80159.5	500.00	µg/L
1	Mg 279.074	6096.7	6037.6	5.00	mg/L
1	Mn 257.610	36796.0	36439.4	500.00	µg/L
1	Mo 202.031	337.1	333.9	500.00	µg/L
1	Na 589.594	78626.4	77864.5	5.00	mg/L
1	Ni 231.603	946.8	937.6	500.00	µg/L
1	Pb 220.353	131.4	130.1	500.00	µg/L
1	Sb 206.831	479.0	474.4	2500.00	µg/L
1	Se 196.026	395.8	392.0	2500.00	µg/L
1	Si 251.611	12537.3	12415.8	2500.00	µg/L
1	Sn 189.933	240.9	238.6	2500.00	µg/L
1	Sr 407.771	713389.0	706475.7	500.00	µg/L
1	Ti 334.941	46529.2	46078.3	500.00	µg/L
1	Tl 190.800	417.3	413.3	2500.00	µg/L
1	V 292.402	7329.4	7258.4	500.00	µg/L
1	Zn 206.200	1077.4	1066.9	500.00	µg/L
2	Sc 357.253	399002.7	399002.7	100.4	µg/L
2	Y 360.064	245098.5	245098.5	101.0	µg/L
2	Ag 328.068	12552.9	12505.3	500.00	µg/L
2	Al 396.140	19190.6	19117.8	2500.00	µg/L
2	As 188.979	449.5	447.8	2500.00	µg/L
2	B 249.773	5322.9	5302.7	500.00	µg/L
2	Ba 455.403	327899.8	326656.1	500.00	µg/L
2	Be 234.861	4496.0	4478.9	50.00	µg/L
2	Ca 315.887	49581.3	49393.2	5.00	mg/L
2	Cd 214.438	3288.1	3275.6	500.00	µg/L
2	Co 228.616	1621.2	1615.0	500.00	µg/L
2	Cr 205.560	596.7	594.4	500.00	µg/L
2	Cu 327.394	7345.9	7318.0	500.00	µg/L
2	Fe 238.204	4587.4	4570.0	500.00	µg/L
2	K 766.514	18506.3	18436.2	5.00	mg/L
2	Li 670.781	80880.0	80573.3	500.00	µg/L
2	Mg 279.074	6235.3	6211.7	5.00	mg/L
2	Mn 257.610	37305.9	37164.5	500.00	µg/L
2	Mo 202.031	331.4	330.2	500.00	µg/L
2	Na 589.594	78850.3	78551.3	5.00	mg/L
2	Ni 231.603	939.2	935.6	500.00	µg/L
2	Pb 220.353	128.6	128.2	500.00	µg/L
2	Sb 206.831	500.4	498.5	2500.00	µg/L
2	Se 196.026	390.2	388.7	2500.00	µg/L
2	Si 251.611	12746.2	12697.8	2500.00	µg/L
2	Sn 189.933	237.9	237.0	2500.00	µg/L
2	Sr 407.771	715034.1	712322.1	500.00	µg/L
2	Ti 334.941	47002.5	46824.3	500.00	µg/L
2	Tl 190.800	422.4	420.8	2500.00	µg/L
2	V 292.402	7352.9	7325.1	500.00	µg/L
2	Zn 206.200	1081.0	1076.9	500.00	µg/L

Mean Data

ID: 0B08006-CAL4 Seq. No.: 5 A/S Pos: 4
Data: Original Date: 2/8/10 7:48:21 AM

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

Sc 357.253	400190.9	1680.36	0.42%	100.7 µg/L
Y 360.064	245755.7	929.52	0.38%	101.3 µg/L
Ag 328.068	12392.3	159.73	1.29%	500.00 µg/L
Al 396.140	18972.9	204.99	1.08%	2500.00 µg/L
As 188.979	436.9	15.44	3.53%	2500.00 µg/L
B 249.773	5188.7	161.26	3.11%	500.00 µg/L
Ba 455.403	325262.8	1970.46	0.61%	500.00 µg/L
Be 234.861	4455.2	33.49	0.75%	50.00 µg/L
Ca 315.887	48933.9	649.62	1.33%	5.00 mg/L
Cd 214.438	3256.0	27.67	0.85%	500.00 µg/L
Co 228.616	1609.1	8.40	0.52%	500.00 µg/L
Cr 205.560	598.4	5.73	0.96%	500.00 µg/L
Cu 327.394	7212.8	148.80	2.06%	500.00 µg/L
Fe 238.204	4536.6	47.16	1.04%	500.00 µg/L
K 766.514	18342.2	132.92	0.72%	5.00 mg/L
Li 670.781	80366.4	292.57	0.36%	500.00 µg/L
Mg 279.074	6124.6	123.11	2.01%	5.00 mg/L
Mn 257.610	36801.9	512.71	1.39%	500.00 µg/L
Mo 202.031	332.0	2.61	0.79%	500.00 µg/L
Na 589.594	78207.9	485.65	0.62%	5.00 mg/L
Ni 231.603	936.6	1.44	0.15%	500.00 µg/L
Pb 220.353	129.1	1.37	1.06%	500.00 µg/L
Sb 206.831	486.5	17.06	3.51%	2500.00 µg/L
Se 196.026	390.4	2.29	0.59%	2500.00 µg/L
Si 251.611	12556.8	199.43	1.59%	2500.00 µg/L
Sn 189.933	237.8	1.14	0.48%	2500.00 µg/L
Sr 407.771	709398.9	4134.07	0.58%	500.00 µg/L
Ti 334.941	46451.3	527.48	1.14%	500.00 µg/L
Tl 190.800	417.1	5.34	1.28%	2500.00 µg/L
V 292.402	7291.7	47.13	0.65%	500.00 µg/L
Zn 206.200	1071.9	7.07	0.66%	500.00 µg/L

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

ID: 0B08006-CAL5 Date: 2/8/10 7:51:49 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units
1	Sc 357.253	401732.4	401732.4	101.1	µg/L
1	Y 360.064	246915.8	246915.8	101.7	µg/L
1	Ag 328.068	24771.9	24510.3	1000.00	µg/L
1	Al 396.140	37610.6	37213.4	5000.00	µg/L
1	As 188.979	866.6	857.4	5000.00	µg/L
1	B 249.773	10265.7	10157.3	1000.00	µg/L
1	Ba 455.403	635357.7	628647.3	1000.00	µg/L
1	Be 234.861	8883.3	8789.5	100.00	µg/L
1	Ca 315.887	99017.6	97971.8	10.00	mg/L
1	Cd 214.438	6534.0	6465.0	1000.00	µg/L
1	Ce 413.765	6259.8	6193.6	1000.00	µg/L
1	Co 228.616	3233.5	3199.4	1000.00	µg/L
1	Cr 205.560	1156.3	1144.1	1000.00	µg/L
1	Cu 327.394	14276.1	14125.3	1000.00	µg/L
1	Fe 238.204	9025.8	8930.5	1000.00	µg/L
1	K 766.514	34523.9	34159.2	10.00	mg/L
1	Li 670.781	159163.0	157482.0	1000.00	µg/L
1	Mg 279.074	12315.2	12185.2	10.00	mg/L
1	Mn 257.610	73966.1	73184.9	1000.00	µg/L
1	Mo 202.031	660.1	653.1	1000.00	µg/L
1	Na 589.594	151930.3	150325.7	10.00	mg/L
1	Ni 231.603	1775.2	1756.4	1000.00	µg/L
1	Pb 220.353	262.0	259.2	1000.00	µg/L
1	Sb 206.831	966.1	955.9	5000.00	µg/L
1	Se 196.026	721.4	713.7	5000.00	µg/L
1	Si 251.611	24074.9	23820.6	5000.00	µg/L
1	Sn 189.933	483.3	478.2	5000.00	µg/L
1	Sr 407.771	1400482.3	1385690.9	1000.00	µg/L
1	Ti 334.941	92269.2	91294.7	1000.00	µg/L
1	Tl 190.800	834.3	825.5	5000.00	µg/L
1	V 292.402	15009.7	14851.2	1000.00	µg/L
1	Zn 206.200	2162.2	2139.4	1000.00	µg/L
2	Sc 357.253	401682.9	401682.9	101.1	µg/L

2	Y 360.064	246710.3	246710.3	101.7 µg/L
2	Ag 328.068	24874.2	24614.5	1000.00 µg/L
2	Al 396.140	37954.5	37558.3	5000.00 µg/L
2	As 188.979	872.2	863.1	5000.00 µg/L
2	B 249.773	10422.8	10314.0	1000.00 µg/L
2	Ba 455.403	636840.8	630192.2	1000.00 µg/L
2	Be 234.861	8923.5	8830.4	100.00 µg/L
2	Ca 315.887	99541.2	98502.0	10.00 mg/L
2	Cd 214.438	6604.4	6535.5	1000.00 µg/L
2	Ce 413.765	6274.5	6209.0	1000.00 µg/L
2	Co 228.616	3265.5	3231.5	1000.00 µg/L
2	Cr 205.560	1164.7	1152.5	1000.00 µg/L
2	Cu 327.394	14438.4	14287.6	1000.00 µg/L
2	Fe 238.204	9109.0	9013.9	1000.00 µg/L
2	K 766.514	34593.5	34232.3	10.00 mg/L
2	Li 670.781	159526.3	157860.8	1000.00 µg/L
2	Mg 279.074	12377.2	12248.0	10.00 mg/L
2	Mn 257.610	74417.1	73640.2	1000.00 µg/L
2	Mo 202.031	660.4	653.5	1000.00 µg/L
2	Na 589.594	152054.3	150466.8	10.00 mg/L
2	Ni 231.603	1788.3	1769.6	1000.00 µg/L
2	Pb 220.353	266.2	263.4	1000.00 µg/L
2	Sb 206.831	980.7	970.4	5000.00 µg/L
2	Se 196.026	723.8	716.2	5000.00 µg/L
2	Si 251.611	24246.8	23993.7	5000.00 µg/L
2	Sn 189.933	499.5	494.3	5000.00 µg/L
2	Sr 407.771	1403920.2	1389263.5	1000.00 µg/L
2	Ti 334.941	92714.7	91746.8	1000.00 µg/L
2	Tl 190.800	842.1	833.3	5000.00 µg/L
2	V 292.402	15085.1	14927.6	1000.00 µg/L
2	Zn 206.200	2178.3	2155.6	1000.00 µg/L

Mean Data

ID: 0B08006-CAL5 Seq. No.: 6 A/S Pos: 5
Data: Original Date: 2/8/10 7:51:49 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.253	401707.7	34.95	0.01%	101.1	µg/L
Y 360.064	246813.1	145.29	0.06%	101.7	µg/L
Ag 328.068	24562.4	73.69	0.30%	1000.00	µg/L
Al 396.140	37385.8	243.85	0.65%	5000.00	µg/L
As 188.979	860.2	3.99	0.46%	5000.00	µg/L
B 249.773	10235.6	110.82	1.08%	1000.00	µg/L
Ba 455.403	629419.7	1092.45	0.17%	1000.00	µg/L
Be 234.861	8809.9	28.88	0.33%	100.00	µg/L
Ca 315.887	98236.9	374.93	0.38%	10.00	mg/L
Cd 214.438	6500.2	49.85	0.77%	1000.00	µg/L
Ce 413.765	6201.3	10.85	0.17%	1000.00	µg/L
Co 228.616	3215.4	22.70	0.71%	1000.00	µg/L
Cr 205.560	1148.3	5.96	0.52%	1000.00	µg/L
Cu 327.394	14206.5	114.80	0.81%	1000.00	µg/L
Fe 238.204	8972.2	59.00	0.66%	1000.00	µg/L
K 766.514	34195.8	51.69	0.15%	10.00	mg/L
Li 670.781	157671.4	267.90	0.17%	1000.00	µg/L
Mg 279.074	12216.6	44.41	0.36%	10.00	mg/L
Mn 257.610	73412.5	321.91	0.44%	1000.00	µg/L
Mo 202.031	653.3	0.28	0.04%	1000.00	µg/L
Na 589.594	150396.2	99.83	0.07%	10.00	mg/L
Ni 231.603	1763.0	9.29	0.53%	1000.00	µg/L
Pb 220.353	261.3	2.94	1.13%	1000.00	µg/L
Sb 206.831	963.2	10.25	1.06%	5000.00	µg/L
Se 196.026	715.0	1.73	0.24%	5000.00	µg/L
Si 251.611	23907.2	122.41	0.51%	5000.00	µg/L
Sn 189.933	486.2	11.33	2.33%	5000.00	µg/L
Sr 407.771	1387477.2	2526.20	0.18%	1000.00	µg/L
Ti 334.941	91520.7	319.70	0.35%	1000.00	µg/L
Tl 190.800	829.4	5.50	0.66%	5000.00	µg/L
V 292.402	14889.4	54.05	0.36%	1000.00	µg/L
Zn 206.200	2147.5	11.44	0.53%	1000.00	µg/L

Calibration Summary

Method: AQU_6010C_101 Date: 2/8/10 7:52:36 AM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
Ag 328.068	4	Linear	-21.0	24.6	0.00000	0.999980
Al 396.140	4	Linear	55.4	7.5	0.00000	0.999952
As 188.979	4	Linear	8.5	0.2	0.00000	0.999977
B 249.773	4	Linear	273.2	9.9	0.00000	0.999911
Ba 455.403	4	Linear	8933.0	622.9	0.00000	0.999942
Be 234.861	4	Linear	108.9	87.0	0.00000	0.999991
Ca 315.887	4	Linear	-320.7	9854.0	0.00000	0.999984
Cd 214.438	4	Linear	45.8	6.4	0.00000	0.999985
Ce 413.765	1	Linear	-211.0	6.4	0.00000	1.000000
Co 228.616	4	Linear	-12.8	3.2	0.00000	0.999985
Cr 205.560	4	Linear	48.7	1.1	0.00000	0.999944
Cu 327.394	4	Linear	-48.6	14.3	0.00000	0.999941
Fe 238.204	4	Linear	93.5	8.9	0.00000	1.000000
K 766.514	4	Linear	2095.6	3220.2	0.00000	0.999810
Li 670.781	4	Linear	647.9	157.5	0.00000	0.999956
Mg 279.074	4	Linear	12.7	1221.0	0.00000	0.999993
Mn 257.610	4	Linear	-78.4	73.6	0.00000	0.999992
Mo 202.031	3	Linear	6.4	0.6	0.00000	0.999973
Na 589.594	4	Linear	3238.1	14773.3	0.00000	0.999931
Ni 231.603	4	Linear	82.5	1.7	0.00000	0.999904
Pb 220.353	4	Linear	-4.0	0.3	0.00000	0.999402
Sb 206.831	4	Linear	-0.6	0.2	0.00000	0.999979
Se 196.026	4	Linear	63.0	0.1	0.00000	0.999578
Si 251.611	4	Linear	1099.8	4.6	0.00000	0.999959
Sn 189.933	4	Linear	-3.0	0.1	0.00000	0.999958
Sr 407.771	4	Linear	3574.6	1389.4	0.00000	0.999938
Ti 334.941	3	Linear	1632.4	89.9	0.00000	0.999993
Tl 190.800	4	Linear	17.6	0.2	0.00000	0.999925
V 292.402	4	Linear	-268.5	15.1	0.00000	0.999990
Zn 206.200	4	Linear	3.6	2.1	0.00000	0.999975

Replicate Data

ID: 0B08006-SCV1 Date: 2/8/10 7:55:14 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	398710.1	398710.1	100.3	µg/L		
1	Y 360.064	245258.4	245258.4	101.1	µg/L		
1	Ag 328.068	12594.8	12556.3	510.539	µg/L		
1	Al 396.140	18635.3	18578.3	2473.71	µg/L		
1	As 188.979	424.7	423.4	2432.31	µg/L		
1	B 249.773	5168.6	5152.8	490.766	µg/L		
1	Ba 455.403	320004.0	319024.3	497.817	µg/L		
1	Be 234.861	4435.7	4422.1	49.5695	µg/L		
1	Ca 315.887	49583.0	49431.2	5.04673	mg/L		
1	Cd 214.438	3250.9	3240.9	495.416	µg/L		
1	Ce 413.765	-192.1	-191.5	3.03702	µg/L		
1	Co 228.616	1573.2	1568.3	489.202	µg/L		
1	Cr 205.560	596.8	595.0	496.948	µg/L		
1	Cu 327.394	7160.1	7138.2	502.281	µg/L		
1	Fe 238.204	4577.1	4563.1	503.343	µg/L		
1	K 766.514	18246.9	18191.1	4.99911	mg/L		
1	Li 670.781	80594.3	80347.5	505.926	µg/L		
1	Mg 279.074	6269.5	6250.3	5.10783	mg/L		
1	Mn 257.610	36892.9	36779.9	501.080	µg/L		
1	Mo 202.031	341.3	340.2	515.484	µg/L		
1	Na 589.594	77690.6	77452.7	5.02239	mg/L		
1	Ni 231.603	954.2	951.3	515.054	µg/L		
1	Pb 220.353	124.4	124.1	483.043	µg/L		
1	Sb 206.831	412.7	411.4	2132.89	µg/L		
1	Se 196.026	397.1	395.9	2548.04	µg/L		
1	Si 251.611	12709.9	12671.0	2533.81	µg/L		
1	Sn 189.933	245.2	244.5	2537.11	µg/L		
1	Sr 407.771	712180.1	709999.6	508.455	µg/L		
1	Ti 334.941	47740.4	47594.3	511.517	µg/L		
1	Tl 190.800	422.4	421.2	2492.11	µg/L		

1	V 292.402	7369.0	7346.5	502.660 µg/L
1	Zn 206.200	1053.5	1050.3	488.371 µg/L
2	Sc 357.253	396758.5	396758.5	99.8 µg/L
2	Y 360.064	243827.2	243827.2	100.5 µg/L
2	Ag 328.068	12697.4	12720.8	517.217 µg/L
2	Al 396.140	18815.9	18850.5	2510.07 µg/L
2	As 188.979	433.8	434.6	2498.48 µg/L
2	B 249.773	5291.5	5301.2	505.692 µg/L
2	Ba 455.403	320856.2	321447.3	501.707 µg/L
2	Be 234.861	4499.9	4508.2	50.5588 µg/L
2	Ca 315.887	49881.6	49973.5	5.10175 mg/L
2	Cd 214.438	3300.2	3306.3	505.547 µg/L
2	Ce 413.765	-64.0	-64.1	22.9062 µg/L
2	Co 228.616	1602.5	1605.5	500.683 µg/L
2	Cr 205.560	610.6	611.7	512.109 µg/L
2	Cu 327.394	7215.0	7228.3	508.576 µg/L
2	Fe 238.204	4565.2	4573.6	504.528 µg/L
2	K 766.514	18427.5	18461.4	5.08308 mg/L
2	Li 670.781	80958.0	81107.2	510.748 µg/L
2	Mg 279.074	6377.3	6389.0	5.22195 mg/L
2	Mn 257.610	37093.0	37161.3	506.264 µg/L
2	Mo 202.031	339.4	340.0	515.191 µg/L
2	Na 589.594	78017.1	78160.8	5.07032 mg/L
2	Ni 231.603	942.0	943.7	510.566 µg/L
2	Pb 220.353	137.8	138.0	535.856 µg/L
2	Sb 206.831	413.3	414.0	2146.34 µg/L
2	Se 196.026	399.5	400.2	2580.91 µg/L
2	Si 251.611	12870.9	12894.6	2582.78 µg/L
2	Sn 189.933	247.0	247.5	2568.06 µg/L
2	Sr 407.771	713795.0	715110.1	512.133 µg/L
2	Ti 334.941	48025.5	48114.0	517.302 µg/L
2	Tl 190.800	434.8	435.6	2581.50 µg/L
2	V 292.402	7353.6	7367.1	504.024 µg/L
2	Zn 206.200	1068.5	1070.5	497.794 µg/L

Mean Data

ID: 0B08006-SCV1 Seq. No.: 7 Sample No.: 1 A/S Pos: 9
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 7:55:14 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	397734.3	100.1	0.35	µg/L				0.35%
Y 360.064	244542.8	100.8	0.42	µg/L				0.41%
Ag 328.068	12638.5	513.878	4.7221	µg/L				0.92%
Al 396.140	18714.4	2491.89	25.710	µg/L				1.03%
As 188.979	429.0	2465.39	46.793	µg/L				1.90%
B 249.773	5227.0	498.229	10.5546	µg/L				2.12%
Ba 455.403	320235.8	499.762	2.7506	µg/L				0.55%
Be 234.861	4465.2	50.0642	0.69953	µg/L				1.40%
Ca 315.887	49702.3	5.07424	0.038906	mg/L				0.77%
Cd 214.438	3273.6	500.482	7.1635	µg/L				1.43%
Ce 413.765	-127.8	12.9716	14.04961	µg/L				108.31%
Co 228.616	1586.9	494.943	8.1179	µg/L				1.64%
Cr 205.560	603.3	504.528	10.7204	µg/L				2.12%
Cu 327.394	7183.2	505.428	4.4517	µg/L				0.88%
Fe 238.204	4568.4	503.935	0.8377	µg/L				0.17%
K 766.514	18326.2	5.04110	0.059373	mg/L				1.18%
Li 670.781	80727.3	508.337	3.4099	µg/L				0.67%
Mg 279.074	6319.7	5.16489	0.080698	mg/L				1.56%
Mn 257.610	36970.6	503.672	3.6661	µg/L				0.73%
Mo 202.031	340.1	515.337	0.2068	µg/L				0.04%
Na 589.594	77806.8	5.04636	0.033892	mg/L				0.67%
Ni 231.603	947.5	512.810	3.1739	µg/L				0.62%
Pb 220.353	131.1	509.450	37.3443	µg/L				7.33%
Sb 206.831	412.7	2139.62	9.515	µg/L				0.44%
*QC exceeds lower limit for Sb 206.831 Recovery = 85.58% Action = Continue								
Se 196.026	398.0	2564.47	23.248	µg/L				0.91%
Si 251.611	12782.8	2558.29	34.625	µg/L				1.35%
Sn 189.933	246.0	2552.59	21.885	µg/L				0.86%
Sr 407.771	712554.8	510.294	2.6010	µg/L				0.51%

Ti 334.941	47854.1	514.409	4.0902 µg/L	0.80%
Tl 190.800	428.4	2536.81	63.215 µg/L	2.49%
V 292.402	7356.8	503.342	0.9643 µg/L	0.19%
Zn 206.200	1060.4	493.083	6.6634 µg/L	1.35%

Replicate Data

ID: 0B08006-CCB Date: 2/8/10 7:58:28 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	395785.8	395785.8	99.6	µg/L		
1	Y 360.064	243300.3	243300.3	100.3	µg/L		
1	Ag 328.068	-70.8	-71.1	-2.03299	µg/L		
1	Al 396.140	-98.5	-98.9	-20.6147	µg/L		
1	As 188.979	3.5	3.5	-29.5039	µg/L		
1	B 249.773	271.7	272.9	-0.0370362	µg/L		
1	Ba 455.403	8046.0	8080.6	-1.36843	µg/L		
1	Be 234.861	85.0	85.4	-0.270350	µg/L		
1	Ca 315.887	-97.5	-97.9	0.0226130	mg/L		
1	Cd 214.438	44.5	44.6	-0.172158	µg/L		
1	Ce 413.765	-57.1	-57.4	23.9551	µg/L		
1	Co 228.616	-9.2	-9.2	1.11236	µg/L		
1	Cr 205.560	45.2	45.4	-2.99858	µg/L		
1	Cu 327.394	-32.5	-32.7	1.11615	µg/L		
1	Fe 238.204	111.9	112.4	2.12098	µg/L		
1	K 766.514	2042.2	2051.0	-0.0138575	mg/L		
1	Li 670.781	235.0	236.1	-2.61430	µg/L		
1	Mg 279.074	12.0	12.1	-0.0004986	mg/L		
1	Mn 257.610	-189.4	-190.2	-1.52074	µg/L		
1	Mo 202.031	3.3	3.3	-4.75305	µg/L		
1	Na 589.594	2984.1	2996.9	-0.0163283	mg/L		
1	Ni 231.603	92.4	92.8	6.13583	µg/L		
1	Pb 220.353	-11.6	-11.6	-28.9114	µg/L		
1	Sb 206.831	1.9	1.9	12.7211	µg/L		
1	Se 196.026	66.7	66.9	30.0398	µg/L		
1	Si 251.611	1153.9	1158.9	12.9358	µg/L		
1	Sn 189.933	0.5	0.5	35.7946	µg/L		
1	Sr 407.771	660.4	663.3	-2.09544	µg/L		
1	Ti 334.941	1735.4	1742.9	1.22985	µg/L		
1	Tl 190.800	19.1	19.2	9.97948	µg/L		
1	V 292.402	-291.9	-293.2	-1.63083	µg/L		
1	Zn 206.200	-0.6	-0.6	-1.94341	µg/L		
2	Sc 357.253	393091.6	393091.6	98.9	µg/L		
2	Y 360.064	241552.3	241552.3	99.5	µg/L		
2	Ag 328.068	-73.1	-73.9	-2.14887	µg/L		
2	Al 396.140	1.8	1.8	-7.15816	µg/L		
2	As 188.979	2.5	2.5	-35.0282	µg/L		
2	B 249.773	272.0	275.1	0.184969	µg/L		
2	Ba 455.403	7936.9	8025.7	-1.45656	µg/L		
2	Be 234.861	92.3	93.3	-0.178821	µg/L		
2	Ca 315.887	-84.2	-85.2	0.0239041	mg/L		
2	Cd 214.438	32.1	32.5	-2.06063	µg/L		
2	Ce 413.765	-121.2	-122.6	13.7835	µg/L		
2	Co 228.616	-21.4	-21.7	-2.73694	µg/L		
2	Cr 205.560	41.8	42.2	-5.86461	µg/L		
2	Cu 327.394	-1.7	-1.7	3.27707	µg/L		
2	Fe 238.204	115.7	116.9	2.63708	µg/L		
2	K 766.514	2081.0	2104.2	0.0026787	mg/L		
2	Li 670.781	341.5	345.3	-1.92071	µg/L		
2	Mg 279.074	-52.0	-52.6	-0.0534490	mg/L		
2	Mn 257.610	-190.9	-193.0	-1.55918	µg/L		
2	Mo 202.031	-2.7	-2.7	-14.1272	µg/L		
2	Na 589.594	2982.2	3015.6	-0.0150666	mg/L		
2	Ni 231.603	80.0	80.9	-0.925458	µg/L		
2	Pb 220.353	-8.1	-8.2	-16.0979	µg/L		
2	Sb 206.831	2.9	2.9	18.0266	µg/L		
2	Se 196.026	61.0	61.7	-10.3783	µg/L		
2	Si 251.611	1142.8	1155.6	12.2094	µg/L		
2	Sn 189.933	-2.3	-2.3	7.17285	µg/L		
2	Sr 407.771	606.5	613.2	-2.13146	µg/L		

2 Ti 334.941	1697.5	1716.5	0.936164	µg/L
2 Tl 190.800	13.9	14.1	-21.6032	µg/L
2 V 292.402	-239.9	-242.6	1.70559	µg/L
2 Zn 206.200	6.9	7.0	1.57684	µg/L

Mean Data

ID: 0B08006-CCB Seq. No.: 8 Sample No.: 2 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 7:58:28 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Sc 357.253	394438.7	99.2	0.48	µg/L				0.48%
Y 360.064	242426.3	99.9	0.51	µg/L				0.51%
Ag 328.068	-72.5	-2.09093	0.081941	µg/L				3.92%
Al 396.140	-48.5	-13.8864	9.51523	µg/L				68.52%
As 188.979	3.0	-32.2661	3.90621	µg/L				12.11%
B 249.773	274.0	0.0739666	0.15698174	µg/L				212.23%
Ba 455.403	8053.2	-1.41250	0.062316	µg/L				4.41%
Be 234.861	89.3	-0.224585	0.0647205	µg/L				28.82%
Ca 315.887	-91.5	0.0232586	0.00091294	mg/L				3.93%
Cd 214.438	38.6	-1.11639	1.335350	µg/L				119.61%
Ce 413.765	-90.0	18.8693	7.19243	µg/L				38.12%
Co 228.616	-15.4	-0.812293	2.7218660	µg/L				335.08%
Cr 205.560	43.8	-4.43159	2.026591	µg/L				45.73%
Cu 327.394	-17.2	2.19661	1.527999	µg/L				69.56%
Fe 238.204	114.7	2.37903	0.364944	µg/L				15.34%
K 766.514	2077.6	-0.0055894	0.01169286	mg/L				209.20%
Li 670.781	290.7	-2.26751	0.490439	µg/L				21.63%
Mg 279.074	-20.3	-0.0269738	0.03744154	mg/L				138.81%
Mn 257.610	-191.6	-1.53996	0.027180	µg/L				1.76%
Mo 202.031	0.3	-9.44012	6.628521	µg/L				70.22%
Na 589.594	3006.2	-0.0156975	0.00089214	mg/L				5.68%
Ni 231.603	86.9	2.60519	4.993085	µg/L				191.66%
Pb 220.353	-9.9	-22.5047	9.06048	µg/L				40.26%
Sb 206.831	2.4	15.3738	3.75158	µg/L				24.40%
Se 196.026	64.3	9.83074	28.579924	µg/L				290.72%
Si 251.611	1157.2	12.5726	0.51366	µg/L				4.09%
Sn 189.933	-0.9	21.4837	20.23865	µg/L				94.20%
Sr 407.771	638.3	-2.11345	0.025465	µg/L				1.20%
Ti 334.941	1729.7	1.08301	0.207670	µg/L				19.18%
Tl 190.800	16.6	-5.81184	22.332291	µg/L				384.26%
V 292.402	-267.9	0.0373812	2.35920103	µg/L				>999.9%
Zn 206.200	3.2	-0.183283	2.4891970	µg/L				>999.9%

Replicate Data

ID: 0B08006-CRL1 Date: 2/8/10 8:01:44 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	398238.9	398238.9	100.2	µg/L		
1	Y 360.064	245292.6	245292.6	101.1	µg/L		
1	Ag 328.068	199.2	198.8	8.92321	µg/L		
1	Al 396.140	888.3	886.6	111.006	µg/L		
1	As 188.979	40.4	40.4	186.781	µg/L		
1	B 249.773	1236.8	1234.5	96.6787	µg/L		
1	Ba 455.403	21247.7	21207.7	19.7056	µg/L		
1	Be 234.861	284.9	284.4	2.01723	µg/L		
1	Ca 315.887	10133.7	10114.7	1.05846	mg/L		
1	Cd 214.438	116.8	116.6	10.9864	µg/L		
1	Ce 413.765	-121.6	-121.4	13.9700	µg/L		
1	Co 228.616	44.3	44.2	17.6435	µg/L		
1	Cr 205.560	77.7	77.6	26.2781	µg/L		
1	Cu 327.394	206.4	206.0	17.7949	µg/L		
1	Fe 238.204	295.6	295.0	22.6920	µg/L		
1	K 766.514	2632.1	2627.1	0.165057	mg/L		
1	Li 670.781	3014.6	3009.0	14.9879	µg/L		
1	Mg 279.074	1328.5	1326.0	1.07563	mg/L		
1	Mn 257.610	1367.1	1364.5	19.6159	µg/L		
1	Mo 202.031	142.9	142.7	210.379	µg/L		
1	Na 589.594	18763.6	18728.3	1.04852	mg/L		

1 Ni 231.603	118.2	118.0	21.0618 µg/L	
1 Pb 220.353	18.3	18.3	83.9826 µg/L	
1 Sb 206.831	45.1	45.0	235.888 µg/L	
1 Se 196.026	95.7	95.5	248.586 µg/L	
1 Si 251.611	2081.5	2077.6	214.118 µg/L	
1 Sn 189.933	20.6	20.6	241.841 µg/L	
1 Sr 407.771	147989.6	147711.0	103.743 µg/L	
1 Ti 334.941	20400.0	20361.6	208.440 µg/L	
1 Tl 190.800	51.7	51.6	210.410 µg/L	
1 V 292.402	-7.9	-7.9	17.2004 µg/L	
1 Zn 206.200	46.1	46.0	19.7873 µg/L	
2 Sc 357.253	398541.1	398541.1	100.3 µg/L	
2 Y 360.064	245401.6	245401.6	101.1 µg/L	
2 Ag 328.068	222.0	221.4	9.84033 µg/L	
2 Al 396.140	893.2	890.9	111.571 µg/L	
2 As 188.979	42.3	42.2	197.486 µg/L	
2 B 249.773	1237.9	1234.7	96.6958 µg/L	
2 Ba 455.403	21355.0	21298.7	19.8517 µg/L	
2 Be 234.861	282.0	281.2	1.98058 µg/L	
2 Ca 315.887	10214.9	10187.9	1.06589 mg/L	
2 Cd 214.438	117.6	117.3	11.0858 µg/L	
2 Ce 413.765	-222.7	-222.1	-1.73180 µg/L	
2 Co 228.616	53.2	53.1	20.3941 µg/L	
2 Cr 205.560	72.4	72.2	21.4286 µg/L	
2 Cu 327.394	251.5	250.8	20.9269 µg/L	
2 Fe 238.204	281.4	280.6	21.0691 µg/L	
2 K 766.514	2693.9	2686.8	0.183587 mg/L	
2 Li 670.781	2987.4	2979.5	14.8011 µg/L	
2 Mg 279.074	1345.6	1342.0	1.08873 mg/L	
2 Mn 257.610	1401.3	1397.7	20.0659 µg/L	
2 Mo 202.031	145.6	145.2	214.298 µg/L	
2 Na 589.594	18726.1	18676.7	1.04503 mg/L	
2 Ni 231.603	99.6	99.3	9.98032 µg/L	
2 Pb 220.353	18.9	18.9	86.0973 µg/L	
2 Sb 206.831	31.5	31.4	165.326 µg/L	
2 Se 196.026	95.7	95.4	247.865 µg/L	
2 Si 251.611	2137.0	2131.4	225.891 µg/L	
2 Sn 189.933	15.6	15.6	190.502 µg/L	
2 Sr 407.771	148406.1	148014.5	103.962 µg/L	
2 Ti 334.941	20477.9	20423.9	209.134 µg/L	
2 Tl 190.800	47.1	47.0	181.961 µg/L	
2 V 292.402	7.9	7.9	18.2402 µg/L	
2 Zn 206.200	40.4	40.3	17.1328 µg/L	

Mean Data

ID: 0B08006-CRL1 Seq. No.: 9 Sample No.: 3 A/S Pos: 10
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 8:01:44 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	398390.0	100.2	0.05	µg/L				0.05%
Y 360.064	245347.1	101.1	0.03	µg/L				0.03%
Ag 328.068	210.1	9.38177	0.648497	µg/L				6.91%
Al 396.140	888.8	111.288	0.3998	µg/L				0.36%
As 188.979	41.3	192.133	7.5698	µg/L				3.94%
B 249.773	1234.6	96.6873	0.01211	µg/L				0.01%
Ba 455.403	21253.2	19.7786	0.10331	µg/L				0.52%
Be 234.861	282.8	1.99891	0.025917	µg/L				1.30%
Ca 315.887	10151.3	1.06217	0.005251	mg/L				0.49%
Cd 214.438	116.9	11.0361	0.07031	µg/L				0.64%
Ce 413.765	-171.7	6.11908	11.102827	µg/L				181.45%
Co 228.616	48.7	19.0188	1.94495	µg/L				10.23%
Cr 205.560	74.9	23.8534	3.42913	µg/L				14.38%
Cu 327.394	228.4	19.3609	2.21467	µg/L				11.44%
Fe 238.204	287.8	21.8805	1.14753	µg/L				5.24%
K 766.514	2657.0	0.174322	0.0131023	mg/L				7.52%
Li 670.781	2994.3	14.8945	0.13212	µg/L				0.89%
Mg 279.074	1334.0	1.08218	0.009265	mg/L				0.86%
Mn 257.610	1381.1	19.8409	0.31820	µg/L				1.60%
Mo 202.031	143.9	212.338	2.7714	µg/L				1.31%

Na 589.594	18702.5	1.04677	0.002473	mg/L	0.24%
Ni 231.603	108.6	15.5211	7.83578	µg/L	50.48%
Pb 220.353	18.6	85.0400	1.49536	µg/L	1.76%
Sb 206.831	38.2	200.607	49.8949	µg/L	24.87%
Se 196.026	95.4	248.226	0.5101	µg/L	0.21%
Si 251.611	2104.5	220.005	8.3253	µg/L	3.78%
Sn 189.933	18.1	216.171	36.3021	µg/L	16.79%
Sr 407.771	147862.8	103.853	0.1545	µg/L	0.15%
Ti 334.941	20392.7	208.787	0.4901	µg/L	0.23%
Tl 190.800	49.3	196.186	20.1170	µg/L	10.25%
V 292.402	-0.0	17.7203	0.73524	µg/L	4.15%
Zn 206.200	43.2	18.4601	1.87703	µg/L	10.17%

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

ID: 0B08006-IFA1 Date: 2/8/10 8:05:08 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	400627.2	400627.2	100.8	µg/L		
1	Y 360.064	246074.4	246074.4	101.4	µg/L		
1	Ag 328.068	-120.5	-119.6	-4.00195	µg/L		
1	Al 396.140	747660.8	741804.9	99060.0	µg/L		
1	As 188.979	9.6	9.5	5.73919	µg/L		
1	B 249.773	1249.8	1240.0	-7.11152	µg/L		
1	Ba 455.403	7888.4	7826.6	-1.77616	µg/L		
1	Be 234.861	533.9	529.7	0.0634368	µg/L		
1	Ca 315.887	962592.6	955053.4	96.9766	mg/L		
1	Cd 214.438	145.8	144.7	6.81017	µg/L		
1	Ce 413.765	-38.5	-38.2	26.9402	µg/L		
1	Co 228.616	49.5	49.1	3.88883	µg/L		
1	Cr 205.560	64.9	64.3	14.2556	µg/L		
1	Cu 327.394	-97.0	-96.3	6.98655	µg/L		
1	Fe 238.204	345568.3	342861.8	38601.0	µg/L		
1	K 766.514	2013.6	1997.8	-0.0067178	mg/L		
1	Li 670.781	256.8	254.8	-2.49543	µg/L		
1	Mg 279.074	120300.1	119357.8	97.7356	mg/L		
1	Mn 257.610	-11.5	-11.4	0.909737	µg/L		
1	Mo 202.031	5.6	5.6	-1.29640	µg/L		
1	Na 589.594	2857.2	2834.8	-0.0114406	mg/L		
1	Ni 231.603	107.6	106.8	14.4230	µg/L		
1	Pb 220.353	-11.0	-11.0	-26.4220	µg/L		
1	Sb 206.831	-3.4	-3.4	-14.7124	µg/L		
1	Se 196.026	65.5	65.0	14.9344	µg/L		
1	Si 251.611	3503.4	3476.0	157.105	µg/L		
1	Sn 189.933	-25.7	-25.5	-230.227	µg/L		
1	Sr 407.771	1815.7	1801.4	-1.27624	µg/L		
1	Ti 334.941	1739.8	1726.1	1.04353	µg/L		
1	Tl 190.800	9.3	9.2	-51.5114	µg/L		
1	V 292.402	-258.9	-256.8	0.767146	µg/L		
1	Zn 206.200	0.3	0.3	-1.52335	µg/L		
2	Sc 357.253	398916.3	398916.3	100.4	µg/L		
2	Y 360.064	245271.0	245271.0	101.1	µg/L		
2	Ag 328.068	-75.7	-75.4	-2.20993	µg/L		
2	Al 396.140	755154.4	752453.3	100482	µg/L		
2	As 188.979	4.9	4.9	-21.3984	µg/L		
2	B 249.773	1240.6	1236.1	-8.98839	µg/L		
2	Ba 455.403	7923.1	7894.7	-1.66688	µg/L		
2	Be 234.861	499.9	498.1	-0.368023	µg/L		
2	Ca 315.887	970902.1	967429.2	98.2327	mg/L		
2	Cd 214.438	154.1	153.6	8.06098	µg/L		
2	Ce 413.765	-88.1	-87.7	19.2174	µg/L		
2	Co 228.616	62.8	62.5	7.82632	µg/L		
2	Cr 205.560	65.2	65.0	14.8288	µg/L		
2	Cu 327.394	-137.2	-136.7	4.29290	µg/L		
2	Fe 238.204	348983.3	347735.0	39149.8	µg/L		
2	K 766.514	2018.1	2010.9	-0.0024002	mg/L		
2	Li 670.781	309.6	308.5	-2.15454	µg/L		
2	Mg 279.074	120222.6	119792.6	98.0916	mg/L		
2	Mn 257.610	-3.5	-3.4	1.01843	µg/L		
2	Mo 202.031	3.1	3.1	-5.09717	µg/L		

2	Na 589.594	2797.2	2787.2	-0.0145130	mg/L
2	Ni 231.603	94.4	94.0	6.85263	µg/L
2	Pb 220.353	-19.9	-19.8	-59.8770	µg/L
2	Sb 206.831	-8.5	-8.4	-40.7393	µg/L
2	Se 196.026	65.9	65.7	20.2931	µg/L
2	Si 251.611	3482.0	3469.5	154.377	µg/L
2	Sn 189.933	-27.5	-27.4	-249.937	µg/L
2	Sr 407.771	1870.2	1863.5	-1.23160	µg/L
2	Ti 334.941	1798.1	1791.6	1.77227	µg/L
2	Tl 190.800	23.5	23.4	35.9282	µg/L
2	V 292.402	-240.1	-239.3	1.92615	µg/L
2	Zn 206.200	-2.6	-2.6	-2.89192	µg/L

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

ID: 0B08006-IFA1 Seq. No.: 10 Sample No.: 4 A/S Pos: 11
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 8:05:08 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	399771.8	100.6	0.30	µg/L				0.30%
Y 360.064	245672.7	101.2	0.23	µg/L				0.23%
Ag 328.068	-97.5	-3.10594	1.267149	µg/L				40.80%
Al 396.140	747129.1	99771.1	1005.56	µg/L				1.01%
As 188.979	7.2	-7.82960	19.189163	µg/L				245.08%
B 249.773	1238.1	-8.04995	1.327150	µg/L				16.49%
Ba 455.403	7860.7	-1.72152	0.077274	µg/L				4.49%
Be 234.861	513.9	-0.152293	0.3050879	µg/L				200.33%
Ca 315.887	961241.3	97.6046	0.88822	mg/L				0.91%
Cd 214.438	149.1	7.43557	0.884458	µg/L				11.89%
Ce 413.765	-63.0	23.0788	5.46082	µg/L				23.66%
Co 228.616	55.8	5.85757	2.784228	µg/L				47.53%
Cr 205.560	64.7	14.5422	0.40528	µg/L				2.79%
Cu 327.394	-116.5	5.63973	1.904704	µg/L				33.77%
Fe 238.204	345298.4	38875.4	388.06	µg/L				1.00%
K 766.514	2004.4	-0.0045590	0.00305297	mg/L				66.97%
Li 670.781	281.6	-2.32498	0.241043	µg/L				10.37%
Mg 279.074	119575.2	97.9136	0.25170	mg/L				0.26%
Mn 257.610	-7.4	0.964084	0.0768587	µg/L				7.97%
Mo 202.031	4.4	-3.19678	2.687547	µg/L				84.07%
Na 589.594	2811.0	-0.0129768	0.00217249	mg/L				16.74%
Ni 231.603	100.4	10.6378	5.35305	µg/L				50.32%
Pb 220.353	-15.4	-43.1495	23.65622	µg/L				54.82%
Sb 206.831	-5.9	-27.7259	18.40381	µg/L				66.38%
Se 196.026	65.3	17.6137	3.78915	µg/L				21.51%
Si 251.611	3472.7	155.741	1.9286	µg/L				1.24%
Sn 189.933	-26.4	-240.082	13.9364	µg/L				5.80%
*QC exceeds lower limit for Sn 189.933 Action = Continue								
Sr 407.771	1832.5	-1.25392	0.031563	µg/L				2.52%
Ti 334.941	1758.9	1.40790	0.515300	µg/L				36.60%
Tl 190.800	16.3	-7.79158	61.829172	µg/L				793.54%
V 292.402	-248.1	1.34665	0.819541	µg/L				60.86%
Zn 206.200	-1.1	-2.20764	0.967729	µg/L				43.84%

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

ID: 0B08006-IFA2 Date: 2/8/10 8:08:33 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	401575.9	401575.9	101.0	µg/L		
1	Y 360.064	247709.7	247709.7	102.1	µg/L		
1	Ag 328.068	-979.4	-969.5	-11.8705	µg/L		
1	Al 396.140	660.5	653.8	79.9103	µg/L		
1	As 188.979	42.0	41.5	61.6571	µg/L		
1	B 249.773	287.0	284.0	1.08687	µg/L		
1	Ba 455.403	7817.8	7738.3	-1.91805	µg/L		
1	Be 234.861	123.8	122.5	0.156749	µg/L		
1	Ca 315.887	-310.3	-307.1	0.0131919	mg/L		
1	Cd 214.438	120.4	119.2	1.55982	µg/L		
1	Ce 413.765	-151.3	-149.8	9.54557	µg/L		
1	Co 228.616	78.7	77.9	-3.68863	µg/L		

1	Cr 205.560	22343.1	22115.8	20039.3	µg/L
1	Cu 327.394	297300.0	294274.6	20582.6	µg/L
1	Fe 238.204	157.7	156.1	7.04871	µg/L
1	K 766.514	2152.6	2130.7	0.0196641	mg/L
1	Li 670.781	690.4	683.4	0.225512	µg/L
1	Mg 279.074	79.2	78.4	-0.0239845	mg/L
1	Mn 257.610	1499250.4	1483993.9	20175.6	µg/L
1	Mo 202.031	5.6	5.6	-1.29654	µg/L
1	Na 589.594	3692.7	3655.1	0.0461656	mg/L
1	Ni 231.603	34718.6	34365.3	20324.0	µg/L
1	Pb 220.353	-1.0	-1.0	11.3060	µg/L
1	Sb 206.831	65.5	64.8	14.3853	µg/L
1	Se 196.026	46.3	45.8	-0.261940	µg/L
1	Si 251.611	5751.5	5693.0	49.5675	µg/L
1	Sn 189.933	-3.0	-3.0	0.714011	µg/L
1	Sr 407.771	431.6	427.2	-2.26533	µg/L
1	Ti 334.941	1844207.3	1825440.4	20297.5	µg/L
1	Tl 190.800	-28.6	-28.3	56.3672	µg/L
1	V 292.402	304836.9	301734.8	19919.4	µg/L
1	Zn 206.200	-2.0	-2.0	-15.3973	µg/L
2	Sc 357.253	399813.8	399813.8	100.6	µg/L
2	Y 360.064	246510.4	246510.4	101.6	µg/L
2	Ag 328.068	-896.4	-891.2	-8.43897	µg/L
2	Al 396.140	690.2	686.2	84.2341	µg/L
2	As 188.979	35.8	35.6	25.3837	µg/L
2	B 249.773	321.6	319.7	4.67254	µg/L
2	Ba 455.403	7764.8	7719.7	-1.94791	µg/L
2	Be 234.861	126.4	125.7	0.192846	µg/L
2	Ca 315.887	-428.5	-426.0	0.0012338	mg/L
2	Cd 214.438	109.9	109.3	0.0192194	µg/L
2	Ce 413.765	-113.7	-113.1	15.2711	µg/L
2	Co 228.616	92.4	91.9	0.331899	µg/L
2	Cr 205.560	22290.5	22160.9	20080.2	µg/L
2	Cu 327.394	298957.1	297219.1	20788.5	µg/L
2	Fe 238.204	166.1	165.2	8.06805	µg/L
2	K 766.514	2030.3	2018.5	-0.0151077	mg/L
2	Li 670.781	629.1	625.5	-0.142469	µg/L
2	Mg 279.074	173.6	172.6	0.0524205	mg/L
2	Mn 257.610	1504152.1	1495407.5	20330.8	µg/L
2	Mo 202.031	1.4	1.4	-7.82051	µg/L
2	Na 589.594	3683.2	3661.8	0.0467667	mg/L
2	Ni 231.603	34591.1	34390.0	20338.7	µg/L
2	Pb 220.353	-5.6	-5.6	-6.12556	µg/L
2	Sb 206.831	71.8	71.4	47.8705	µg/L
2	Se 196.026	41.0	40.7	-38.5275	µg/L
2	Si 251.611	5979.1	5944.4	95.3886	µg/L
2	Sn 189.933	-3.8	-3.8	-7.50222	µg/L
2	Sr 407.771	511.2	508.3	-2.20702	µg/L
2	Ti 334.941	1853827.2	1843049.7	20493.4	µg/L
2	Tl 190.800	-24.7	-24.6	81.8503	µg/L
2	V 292.402	306393.0	304611.7	20109.2	µg/L
2	Zn 206.200	19.1	19.0	-5.65794	µg/L

Mean Data

ID: 0B08006-IFA2 Seq. No.: 11 Sample No.: 5 A/S Pos: 12

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

Data: Original Date: 2/8/10 8:08:33 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Sc 357.253	400694.9	100.8	0.31	µg/L				0.31%
Y 360.064	247110.1	101.8	0.35	µg/L				0.34%
Ag 328.068	-930.3	-10.1548	2.42649	µg/L				23.90%
Al 396.140	670.0	82.0722	3.05744	µg/L				3.73%
As 188.979	38.6	43.5204	25.64913	µg/L				58.94%
B 249.773	301.9	2.87970	2.535449	µg/L				88.05%
Ba 455.403	7729.0	-1.93298	0.021115	µg/L				1.09%
Be 234.861	124.1	0.174797	0.0255250	µg/L				14.60%
Ca 315.887	-366.6	0.0072129	0.00845566	mg/L				117.23%
Cd 214.438	114.2	0.789522	1.0893722	µg/L				137.98%
Ce 413.765	-131.4	12.4083	4.04854	µg/L				32.63%

Co 228.616	84.9	-1.67836	2.842940	µg/L	169.39%
Cr 205.560	22138.4	20059.7	28.92	µg/L	0.14%
Cu 327.394	295746.9	20685.5	145.60	µg/L	0.70%
Fe 238.204	160.6	7.55838	0.720778	µg/L	9.54%
K 766.514	2074.6	0.0022782	0.02458743	mg/L	>999.9%
Li 670.781	654.4	0.0415213	0.26020150	µg/L	626.67%
Mg 279.074	125.5	0.0142180	0.05402648	mg/L	379.99%
Mn 257.610	1489700.7	20253.2	109.72	µg/L	0.54%
Mo 202.031	3.5	-4.55853	4.613147	µg/L	101.20%
Na 589.594	3658.5	0.0464661	0.00042508	mg/L	0.91%
Ni 231.603	34377.6	20331.3	10.36	µg/L	0.05%
Pb 220.353	-3.3	2.59020	12.325948	µg/L	475.87%
Sb 206.831	68.1	31.1279	23.67761	µg/L	76.07%
Se 196.026	43.3	-19.3947	27.05783	µg/L	139.51%
Si 251.611	5818.7	72.4781	32.40043	µg/L	44.70%
Sn 189.933	-3.4	-3.39411	5.809756	µg/L	171.17%
Sr 407.771	467.8	-2.23618	0.041230	µg/L	1.84%
Ti 334.941	1834245.1	20395.4	138.58	µg/L	0.68%
Tl 190.800	-26.4	69.1088	18.01928	µg/L	26.07%
V 292.402	303173.3	20014.3	134.17	µg/L	0.67%
Zn 206.200	8.5	-10.5276	6.88674	µg/L	65.42%

Replicate Data

ID: 0B08006-IFB1 Date: 2/8/10 8:12:02 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	400730.7	400730.7	100.8	µg/L		
1	Y 360.064	245576.0	245576.0	101.2	µg/L		
1	Ag 328.068	24633.0	24433.7	992.672	µg/L		
1	Al 396.140	754024.6	747925.7	99877.4	µg/L		
1	As 188.979	11.2	11.1	15.4123	µg/L		
1	B 249.773	1240.5	1230.5	-10.7779	µg/L		
1	Ba 455.403	287412.4	285087.6	443.335	µg/L		
1	Be 234.861	4949.6	4909.5	50.2743	µg/L		
1	Ca 315.887	989182.5	981181.6	99.6270	mg/L		
1	Cd 214.438	6445.7	6393.6	975.631	µg/L		
1	Ce 413.765	-86.0	-85.3	19.6050	µg/L		
1	Co 228.616	1600.0	1587.0	479.318	µg/L		
1	Cr 205.560	616.5	611.5	511.964	µg/L		
1	Cu 327.394	6904.2	6848.4	492.623	µg/L		
1	Fe 238.204	354610.3	351742.1	39601.0	µg/L		
1	K 766.514	1929.7	1914.1	-0.0320496	mg/L		
1	Li 670.781	312.0	309.5	-2.14841	µg/L		
1	Mg 279.074	122961.2	121966.7	99.8711	mg/L		
1	Mn 257.610	36605.9	36309.8	494.688	µg/L		
1	Mo 202.031	-2.7	-2.7	-14.0216	µg/L		
1	Na 589.594	3018.2	2993.8	-0.0003241	mg/L		
1	Ni 231.603	1742.0	1727.9	975.466	µg/L		
1	Pb 220.353	241.3	239.4	918.261	µg/L		
1	Sb 206.831	2.9	2.9	17.7641	µg/L		
1	Se 196.026	52.8	52.4	-81.1653	µg/L		
1	Si 251.611	3653.9	3624.3	181.657	µg/L		
1	Sn 189.933	-30.2	-29.9	-275.942	µg/L		
1	Sr 407.771	1899.6	1884.2	-1.21668	µg/L		
1	Ti 334.941	2037.4	2021.0	4.32459	µg/L		
1	Tl 190.800	19.0	18.9	8.04211	µg/L		
1	V 292.402	7388.5	7328.7	501.488	µg/L		
1	Zn 206.200	2083.4	2066.5	962.526	µg/L		
2	Sc 357.253	400880.6	400880.6	100.9	µg/L		
2	Y 360.064	245525.4	245525.4	101.2	µg/L		
2	Ag 328.068	24768.2	24558.7	997.745	µg/L		
2	Al 396.140	760772.3	754336.7	100734	µg/L		
2	As 188.979	7.5	7.4	-6.29778	µg/L		
2	B 249.773	1277.4	1266.6	-7.95199	µg/L		
2	Ba 455.403	289799.2	287347.7	446.964	µg/L		
2	Be 234.861	4887.5	4846.1	49.5084	µg/L		
2	Ca 315.887	995376.9	986956.7	100.213	mg/L		
2	Cd 214.438	6447.5	6392.9	975.459	µg/L		
2	Ce 413.765	-150.2	-148.9	9.67356	µg/L		

2 Co 228.616	1592.5	1579.0	476.710	µg/L
2 Cr 205.560	620.7	615.4	515.514	µg/L
2 Cu 327.394	7043.8	6984.2	502.176	µg/L
2 Fe 238.204	357425.2	354401.6	39900.5	µg/L
2 K 766.514	2023.0	2005.9	-0.0033904	mg/L
2 Li 670.781	278.1	275.8	-2.36214	µg/L
2 Mg 279.074	123139.0	122097.3	99.9780	mg/L
2 Mn 257.610	36720.0	36409.4	496.043	µg/L
2 Mo 202.031	2.9	2.9	-5.40807	µg/L
2 Na 589.594	2856.6	2832.5	-0.0111708	mg/L
2 Ni 231.603	1732.7	1718.1	969.640	µg/L
2 Pb 220.353	244.1	242.0	928.109	µg/L
2 Sb 206.831	-2.6	-2.6	-10.5579	µg/L
2 Se 196.026	61.1	60.5	-18.9608	µg/L
2 Si 251.611	3552.7	3522.7	158.998	µg/L
2 Sn 189.933	-29.2	-28.9	-265.663	µg/L
2 Sr 407.771	1845.9	1830.3	-1.25547	µg/L
2 Ti 334.941	1995.1	1978.2	3.84875	µg/L
2 Tl 190.800	19.6	19.4	11.5989	µg/L
2 V 292.402	7390.0	7327.5	501.407	µg/L
2 Zn 206.200	2064.3	2046.9	953.351	µg/L

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

ID: 0B08006-IFB1 Seq. No.: 12 Sample No.: 6 A/S Pos: 13
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 8:12:02 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Sc 357.253	400805.6	100.8	0.03	µg/L				0.03%
Y 360.064	245550.7	101.2	0.01	µg/L				0.01%
Ag 328.068	24496.2	995.209	3.5870	µg/L				0.36%
Al 396.140	751131.2	100306	605.4	µg/L				0.60%
As 188.979	9.3	4.55725	15.351333	µg/L				336.86%
B 249.773	1248.5	-9.36495	1.998214	µg/L				21.34%
Ba 455.403	286217.7	445.150	2.5656	µg/L				0.58%
Be 234.861	4877.8	49.8914	0.54157	µg/L				1.09%
Ca 315.887	984069.2	99.9201	0.41449	mg/L				0.41%
Cd 214.438	6393.2	975.545	0.1210	µg/L				0.01%
Ce 413.765	-117.1	14.6393	7.02259	µg/L				47.97%
Co 228.616	1583.0	478.014	1.8437	µg/L				0.39%
Cr 205.560	613.5	513.739	2.5101	µg/L				0.49%
Cu 327.394	6916.3	497.399	6.7549	µg/L				1.36%
Fe 238.204	353071.9	39750.8	211.78	µg/L				0.53%
K 766.514	1960.0	-0.0177200	0.02026508	mg/L				114.36%
Li 670.781	292.6	-2.25527	0.151135	µg/L				6.70%
Mg 279.074	122032.0	99.9246	0.07561	mg/L				0.08%
Mn 257.610	36359.6	495.366	0.9578	µg/L				0.19%
Mo 202.031	0.1	-9.71485	6.090701	µg/L				62.69%
Na 589.594	2913.1	-0.0057474	0.00766976	mg/L				133.45%
Ni 231.603	1723.0	972.553	4.1195	µg/L				0.42%
Pb 220.353	240.7	923.185	6.9633	µg/L				0.75%
Sb 206.831	0.1	3.60310	20.026631	µg/L				555.82%
Se 196.026	56.5	-50.0630	43.98520	µg/L				87.86%
Si 251.611	3573.5	170.328	16.0223	µg/L				9.41%
Sn 189.933	-29.4	-270.803	7.2688	µg/L				2.68%
Sr 407.771	1857.2	-1.23608	0.027424	µg/L				2.22%
Ti 334.941	1999.6	4.08667	0.336473	µg/L				8.23%
Tl 190.800	19.1	9.82051	2.515044	µg/L				25.61%
V 292.402	7328.1	501.447	0.0569	µg/L				0.01%
Zn 206.200	2056.7	957.938	6.4876	µg/L				0.68%

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

ID: 0B08006-IFB2 Date: 2/8/10 8:15:31 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	404748.7	404748.7	101.8	µg/L		
1	Y 360.064	248667.4	248667.4	102.5	µg/L		
1	Ag 328.068	-869.3	-853.7	-7.47392	µg/L		
1	Al 396.140	8251.9	8103.9	1074.86	µg/L		

1	As 188.979	210.1	206.3	1029.47	µg/L
1	B 249.773	9877.5	9700.4	948.138	µg/L
1	Ba 455.403	8520.5	8367.6	-0.907652	µg/L
1	Be 234.861	133.8	131.4	0.259296	µg/L
1	Ca 315.887	50602.0	49694.4	5.08535	mg/L
1	Cd 214.438	125.3	123.0	2.30541	µg/L
1	Ce 413.765	-191.8	-188.4	3.52725	µg/L
1	Co 228.616	67.5	66.3	-6.87964	µg/L
1	Cr 205.560	22252.6	21853.4	19801.1	µg/L
1	Cu 327.394	290662.8	285449.7	19965.6	µg/L
1	Fe 238.204	168.7	165.7	8.12893	µg/L
1	K 766.514	2066.2	2029.1	-0.0112116	mg/L
1	Li 670.781	699.3	686.7	0.246478	µg/L
1	Mg 279.074	6411.8	6296.8	5.07058	mg/L
1	Mn 257.610	1491140.5	1464396.4	19909.2	µg/L
1	Mo 202.031	658.1	646.3	988.250	µg/L
1	Na 589.594	78704.4	77292.8	5.02819	mg/L
1	Ni 231.603	34471.2	33852.9	20020.3	µg/L
1	Pb 220.353	-15.1	-14.8	-41.0022	µg/L
1	Sb 206.831	271.9	267.0	1065.05	µg/L
1	Se 196.026	177.3	174.2	980.233	µg/L
1	Si 251.611	5466.6	5368.5	-9.18550	µg/L
1	Sn 189.933	-6.5	-6.3	-34.0734	µg/L
1	Sr 407.771	1232.1	1210.0	-1.70193	µg/L
1	Ti 334.941	1834895.3	1801985.8	20036.4	µg/L
1	Tl 190.800	130.5	128.2	1017.94	µg/L
1	V 292.402	303758.3	298310.3	19707.9	µg/L
1	Zn 206.200	6.5	6.4	-11.3510	µg/L
2	Sc 357.253	400473.7	400473.7	100.8	µg/L
2	Y 360.064	245707.2	245707.2	101.2	µg/L
2	Ag 328.068	-924.6	-917.8	-9.84082	µg/L
2	Al 396.140	8317.8	8255.8	1095.15	µg/L
2	As 188.979	209.0	207.5	1035.09	µg/L
2	B 249.773	10006.2	9931.7	971.400	µg/L
2	Ba 455.403	8621.9	8557.7	-0.602601	µg/L
2	Be 234.861	120.2	119.3	0.119869	µg/L
2	Ca 315.887	50725.5	50347.5	5.15171	mg/L
2	Cd 214.438	122.4	121.5	1.94691	µg/L
2	Ce 413.765	-272.9	-270.9	-9.33805	µg/L
2	Co 228.616	64.8	64.4	-7.73573	µg/L
2	Cr 205.560	22284.8	22118.7	20042.1	µg/L
2	Cu 327.394	290313.4	288150.0	20154.5	µg/L
2	Fe 238.204	173.2	171.9	8.82243	µg/L
2	K 766.514	2232.1	2215.5	0.0467345	mg/L
2	Li 670.781	766.1	760.3	0.713827	µg/L
2	Mg 279.074	6338.0	6290.8	5.06511	mg/L
2	Mn 257.610	1487157.1	1476075.2	20068.0	µg/L
2	Mo 202.031	652.4	647.5	990.104	µg/L
2	Na 589.594	78522.5	77937.3	5.07196	mg/L
2	Ni 231.603	34535.9	34278.5	20272.6	µg/L
2	Pb 220.353	-13.7	-13.6	-36.4831	µg/L
2	Sb 206.831	264.7	262.8	1039.12	µg/L
2	Se 196.026	181.7	180.4	1028.75	µg/L
2	Si 251.611	5836.6	5793.1	75.6504	µg/L
2	Sn 189.933	-5.8	-5.8	-27.9361	µg/L
2	Sr 407.771	1280.0	1270.4	-1.65845	µg/L
2	Ti 334.941	1831175.6	1817530.1	20209.4	µg/L
2	Tl 190.800	132.7	131.7	1042.39	µg/L
2	V 292.402	303206.2	300946.8	19881.8	µg/L
2	Zn 206.200	28.9	28.7	-1.10902	µg/L

Mean Data

ID: 0B08006-IFB2 Seq. No.: 13 Sample No.: 7 A/S Pos: 14
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 8:15:31 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	402611.2	101.3	0.76	µg/L				0.75%
Y 360.064	247187.3	101.9	0.86	µg/L				0.85%
Ag 328.068	-885.7	-8.65737	1.673654	µg/L				19.33%

Al 396.140	8179.8	1085.01	14.344	µg/L	1.32%
As 188.979	206.9	1032.28	3.975	µg/L	0.39%
B 249.773	9816.0	959.769	16.4487	µg/L	1.71%
Ba 455.403	8462.6	-0.755127	0.2157032	µg/L	28.57%
Be 234.861	125.4	0.189582	0.0985901	µg/L	52.00%
Ca 315.887	50021.0	5.11853	0.046922	mg/L	0.92%
Cd 214.438	122.3	2.12616	0.253504	µg/L	11.92%
Ce 413.765	-229.6	-2.90540	9.097143	µg/L	313.11%
Co 228.616	65.3	-7.30769	0.605342	µg/L	8.28%
Cr 205.560	21986.1	19921.6	170.37	µg/L	0.86%
Cu 327.394	286799.8	20060.1	133.53	µg/L	0.67%
Fe 238.204	168.8	8.47568	0.490376	µg/L	5.79%
K 766.514	2122.3	0.0177614	0.04097406	mg/L	230.69%
Li 670.781	723.5	0.480152	0.3304663	µg/L	68.83%
Mg 279.074	6293.8	5.06784	0.003867	mg/L	0.08%
Mn 257.610	1470235.8	19988.6	112.27	µg/L	0.56%
Mo 202.031	646.9	989.177	1.3110	µg/L	0.13%
Na 589.594	77615.1	5.05008	0.030954	mg/L	0.61%
Ni 231.603	34065.7	20146.4	178.41	µg/L	0.89%
Pb 220.353	-14.2	-38.7427	3.19550	µg/L	8.25%
Sb 206.831	264.9	1052.09	18.330	µg/L	1.74%
Se 196.026	177.3	1004.49	34.305	µg/L	3.42%
Si 251.611	5580.8	33.2325	59.98806	µg/L	180.51%
Sn 189.933	-6.0	-31.0047	4.33971	µg/L	14.00%
Sr 407.771	1240.2	-1.68019	0.030741	µg/L	1.83%
Ti 334.941	1809758.0	20122.9	122.33	µg/L	0.61%
Tl 190.800	130.0	1030.17	17.288	µg/L	1.68%
V 292.402	299628.5	19794.8	122.98	µg/L	0.62%
Zn 206.200	17.5	-6.23001	7.242170	µg/L	116.25%

Replicate Data

ID: 0B08006-CCV Date: 2/8/10 8:18:58 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	403534.0	403534.0	101.5	µg/L		
1	Y 360.064	248470.1	248470.1	102.4	µg/L		
1	Ag 328.068	12707.8	12517.4	508.963	µg/L		
1	Al 396.140	19167.0	18879.9	2513.99	µg/L		
1	As 188.979	445.3	438.7	2522.05	µg/L		
1	B 249.773	5310.0	5230.4	498.572	µg/L		
1	Ba 455.403	326190.9	321304.8	501.478	µg/L		
1	Be 234.861	4537.2	4469.2	50.1108	µg/L		
1	Ca 315.887	49980.5	49231.9	5.02650	mg/L		
1	Cd 214.438	3293.8	3244.4	495.961	µg/L		
1	Ce 413.765	-225.8	-222.4	-1.78618	µg/L		
1	Co 228.616	1629.3	1604.9	500.500	µg/L		
1	Cr 205.560	613.9	604.7	505.726	µg/L		
1	Cu 327.394	7399.1	7288.3	512.770	µg/L		
1	Fe 238.204	4628.2	4558.8	502.862	µg/L		
1	K 766.514	18648.1	18368.8	5.05428	mg/L		
1	Li 670.781	80481.7	79276.1	499.125	µg/L		
1	Mg 279.074	6281.5	6187.4	5.05679	mg/L		
1	Mn 257.610	37533.0	36970.8	503.675	µg/L		
1	Mo 202.031	334.4	329.4	498.813	µg/L		
1	Na 589.594	78512.3	77336.2	5.01454	mg/L		
1	Ni 231.603	951.7	937.4	506.837	µg/L		
1	Pb 220.353	124.2	122.3	476.548	µg/L		
1	Sb 206.831	486.3	479.1	2482.88	µg/L		
1	Se 196.026	401.7	395.7	2546.23	µg/L		
1	Si 251.611	12529.0	12341.3	2461.63	µg/L		
1	Sn 189.933	241.7	238.1	2471.84	µg/L		
1	Sr 407.771	713268.7	702584.6	503.118	µg/L		
1	Ti 334.941	47366.1	46656.6	501.082	µg/L		
1	Tl 190.800	423.8	417.5	2469.31	µg/L		
1	V 292.402	7410.4	7299.4	499.552	µg/L		
1	Zn 206.200	1089.1	1072.8	498.872	µg/L		
2	Sc 357.253	400858.2	400858.2	100.8	µg/L		
2	Y 360.064	246530.8	246530.8	101.6	µg/L		
2	Ag 328.068	12599.8	12493.9	508.009	µg/L		

2 Al 396.140	19271.4	19109.5	2544.65	µg/L
2 As 188.979	441.3	437.6	2515.97	µg/L
2 B 249.773	5328.4	5283.6	503.923	µg/L
2 Ba 455.403	326629.7	323884.8	505.620	µg/L
2 Be 234.861	4599.5	4560.8	51.1631	µg/L
2 Ca 315.887	50445.2	50021.3	5.10658	mg/L
2 Cd 214.438	3346.5	3318.4	507.426	µg/L
2 Ce 413.765	-211.2	-209.4	0.241253	µg/L
2 Co 228.616	1637.7	1623.9	506.396	µg/L
2 Cr 205.560	618.3	613.1	513.413	µg/L
2 Cu 327.394	7378.1	7316.1	514.712	µg/L
2 Fe 238.204	4651.6	4612.5	508.903	µg/L
2 K 766.514	18638.5	18481.9	5.08944	mg/L
2 Li 670.781	80639.9	79962.2	503.480	µg/L
2 Mg 279.074	6334.9	6281.7	5.13403	mg/L
2 Mn 257.610	37950.1	37631.2	512.652	µg/L
2 Mo 202.031	339.0	336.2	509.213	µg/L
2 Na 589.594	78451.1	77791.8	5.04536	mg/L
2 Ni 231.603	941.6	933.6	504.607	µg/L
2 Pb 220.353	133.5	132.4	514.350	µg/L
2 Sb 206.831	506.2	501.9	2601.20	µg/L
2 Se 196.026	407.5	404.1	2610.96	µg/L
2 Si 251.611	12651.6	12545.3	2506.30	µg/L
2 Sn 189.933	252.2	250.1	2595.03	µg/L
2 Sr 407.771	715393.6	709381.5	508.010	µg/L
2 Ti 334.941	47710.5	47309.6	508.349	µg/L
2 Tl 190.800	424.1	420.5	2488.03	µg/L
2 V 292.402	7478.6	7415.8	507.233	µg/L
2 Zn 206.200	1099.4	1090.1	506.948	µg/L

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

ID: 0B08006-CCV Seq. No.: 14 Sample No.: 8 A/S Pos: 4

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

Data: Original Date: 2/8/10 8:18:58 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Sc 357.253	402196.1	101.2	0.48	µg/L				0.47%
Y 360.064	247500.4	102.0	0.57	µg/L				0.55%
Ag 328.068	12505.7	508.486	0.6747	µg/L				0.13%
Al 396.140	18994.7	2529.32	21.675	µg/L				0.86%
As 188.979	438.1	2519.01	4.303	µg/L				0.17%
B 249.773	5257.0	501.248	3.7837	µg/L				0.75%
Ba 455.403	322594.8	503.549	2.9288	µg/L				0.58%
Be 234.861	4515.0	50.6370	0.74404	µg/L				1.47%
Ca 315.887	49626.6	5.06654	0.056624	mg/L				1.12%
Cd 214.438	3281.4	501.693	8.1068	µg/L				1.62%
Ce 413.765	-215.9	-0.772465	1.4336131	µg/L				185.59%
Co 228.616	1614.4	503.448	4.1690	µg/L				0.83%
Cr 205.560	608.9	509.570	5.4349	µg/L				1.07%
Cu 327.394	7302.2	513.741	1.3731	µg/L				0.27%
Fe 238.204	4585.7	505.883	4.2716	µg/L				0.84%
K 766.514	18425.3	5.07186	0.024855	mg/L				0.49%
Li 670.781	79619.2	501.303	3.0797	µg/L				0.61%
Mg 279.074	6234.5	5.09541	0.054617	mg/L				1.07%
Mn 257.610	37301.0	508.164	6.3479	µg/L				1.25%
Mo 202.031	332.8	504.013	7.3538	µg/L				1.46%
Na 589.594	77564.0	5.02995	0.021790	mg/L				0.43%
Ni 231.603	935.5	505.722	1.5768	µg/L				0.31%
Pb 220.353	127.3	495.449	26.7303	µg/L				5.40%
Sb 206.831	490.5	2542.04	83.663	µg/L				3.29%
Se 196.026	399.9	2578.59	45.772	µg/L				1.78%
Si 251.611	12443.3	2483.96	31.587	µg/L				1.27%
Sn 189.933	244.1	2533.44	87.109	µg/L				3.44%
Sr 407.771	705983.0	505.564	3.4593	µg/L				0.68%
Ti 334.941	46983.1	504.715	5.1384	µg/L				1.02%
Tl 190.800	419.0	2478.67	13.234	µg/L				0.53%
V 292.402	7357.6	503.393	5.4314	µg/L				1.08%
Zn 206.200	1081.5	502.910	5.7101	µg/L				1.14%

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

ID: 0B08006-CCB Date: 2/8/10 8:22:13 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	396130.4	396130.4	99.7	µg/L		
1	Y 360.064	243858.8	243858.8	100.5	µg/L		
1	Ag 328.068	-15.8	-15.8	0.209671	µg/L		
1	Al 396.140	-30.2	-30.3	-11.4461	µg/L		
1	As 188.979	-2.4	-2.4	-64.1397	µg/L		
1	B 249.773	236.6	237.5	-3.59850	µg/L		
1	Ba 455.403	8067.1	8094.8	-1.34573	µg/L		
1	Be 234.861	99.6	99.9	-0.103106	µg/L		
1	Ca 315.887	24.2	24.3	0.0350138	mg/L		
1	Cd 214.438	45.3	45.5	-0.0398171	µg/L		
1	Ce 413.765	-169.3	-169.9	6.40766	µg/L		
1	Co 228.616	-20.8	-20.8	-2.48442	µg/L		
1	Cr 205.560	59.1	59.3	9.69366	µg/L		
1	Cu 327.394	-45.0	-45.1	0.243972	µg/L		
1	Fe 238.204	108.6	108.9	1.73405	µg/L		
1	K 766.514	2062.1	2069.2	-0.0082126	mg/L		
1	Li 670.781	244.6	245.4	-2.55485	µg/L		
1	Mg 279.074	55.6	55.7	0.0352655	mg/L		
1	Mn 257.610	-198.9	-199.6	-1.64787	µg/L		
1	Mo 202.031	8.2	8.2	2.72888	µg/L		
1	Na 589.594	2749.4	2758.9	-0.0324409	mg/L		
1	Ni 231.603	117.1	117.5	20.7711	µg/L		
1	Pb 220.353	-10.3	-10.3	-24.1055	µg/L		
1	Sb 206.831	0.4	0.4	4.84401	µg/L		
1	Se 196.026	66.2	66.4	25.7465	µg/L		
1	Si 251.611	1150.4	1154.3	11.9425	µg/L		
1	Sn 189.933	-2.9	-2.9	1.06499	µg/L		
1	Sr 407.771	717.7	720.1	-2.05453	µg/L		
1	Ti 334.941	1816.8	1823.1	2.12197	µg/L		
1	Tl 190.800	17.1	17.2	-2.23370	µg/L		
1	V 292.402	-232.3	-233.1	2.33319	µg/L		
1	Zn 206.200	6.0	6.0	1.11174	µg/L		
2	Sc 357.253	392091.3	392091.3	98.6	µg/L		
2	Y 360.064	240937.5	240937.5	99.3	µg/L		
2	Ag 328.068	-90.9	-92.1	-2.88868	µg/L		
2	Al 396.140	-93.2	-94.4	-20.0165	µg/L		
2	As 188.979	7.6	7.7	-4.49639	µg/L		
2	B 249.773	252.8	256.3	-1.70638	µg/L		
2	Ba 455.403	8236.2	8349.6	-0.936616	µg/L		
2	Be 234.861	90.3	91.5	-0.199701	µg/L		
2	Ca 315.887	-104.7	-106.2	0.0217735	mg/L		
2	Cd 214.438	40.9	41.4	-0.670781	µg/L		
2	Ce 413.765	-278.3	-282.2	-11.1004	µg/L		
2	Co 228.616	-20.8	-21.1	-2.56820	µg/L		
2	Cr 205.560	47.8	48.5	-0.184890	µg/L		
2	Cu 327.394	-65.2	-66.1	-1.22394	µg/L		
2	Fe 238.204	129.7	131.5	4.27615	µg/L		
2	K 766.514	2091.5	2120.3	0.0076757	mg/L		
2	Li 670.781	240.9	244.2	-2.56245	µg/L		
2	Mg 279.074	-2.0	-2.0	-0.0120088	mg/L		
2	Mn 257.610	-196.3	-199.0	-1.64057	µg/L		
2	Mo 202.031	2.4	2.4	-6.18338	µg/L		
2	Na 589.594	2889.6	2929.4	-0.0208986	mg/L		
2	Ni 231.603	61.9	62.7	-11.7131	µg/L		
2	Pb 220.353	0.6	0.6	17.1292	µg/L		
2	Sb 206.831	11.0	11.1	60.5243	µg/L		
2	Se 196.026	69.6	70.6	58.0197	µg/L		
2	Si 251.611	1153.7	1169.6	15.2833	µg/L		
2	Sn 189.933	-5.0	-5.1	-21.2254	µg/L		
2	Sr 407.771	701.2	710.8	-2.06124	µg/L		
2	Ti 334.941	1748.0	1772.0	1.55407	µg/L		
2	Tl 190.800	16.0	16.2	-8.32118	µg/L		
2	V 292.402	-237.3	-240.6	1.83955	µg/L		
2	Zn 206.200	-1.9	-1.9	-2.57415	µg/L		

Mean Data

ID: 0B08006-CCB Seq. No.: 15 Sample No.: 9 A/S Pos: 1

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 8:22:13 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	394110.9	99.2	0.72	µg/L				0.72%
Y 360.064	242398.2	99.9	0.85	µg/L				0.85%
Ag 328.068	-54.0	-1.33950	2.190866	µg/L				163.56%
Al 396.140	-62.4	-15.7313	6.06019	µg/L				38.52%
As 188.979	2.7	-34.3181	42.17423	µg/L				122.89%
B 249.773	246.9	-2.65244	1.337930	µg/L				50.44%
Ba 455.403	8222.2	-1.14117	0.289286	µg/L				25.35%
Be 234.861	95.7	-0.151404	0.0683026	µg/L				45.11%
Ca 315.887	-40.9	0.0283937	0.00936229	mg/L				32.97%
Cd 214.438	43.5	-0.355299	0.4461588	µg/L				125.57%
Ce 413.765	-226.0	-2.34638	12.380085	µg/L				527.63%
Co 228.616	-21.0	-2.52631	0.059247	µg/L				2.35%
Cr 205.560	53.9	4.75439	6.985193	µg/L				146.92%
Cu 327.394	-55.6	-0.489987	1.0379738	µg/L				211.84%
Fe 238.204	120.2	3.00510	1.797538	µg/L				59.82%
K 766.514	2094.8	-0.0002684	0.01123473	mg/L				>999.9%
Li 670.781	244.8	-2.55865	0.005372	µg/L				0.21%
Mg 279.074	26.9	0.0116284	0.03342804	mg/L				287.47%
Mn 257.610	-199.3	-1.64422	0.005160	µg/L				0.31%
Mo 202.031	5.3	-1.72725	6.301921	µg/L				364.85%
Na 589.594	2844.1	-0.0266698	0.00816164	mg/L				30.60%
Ni 231.603	90.1	4.52901	22.969839	µg/L				507.17%
Pb 220.353	-4.9	-3.48817	29.157365	µg/L				835.89%
Sb 206.831	5.8	32.6842	39.37194	µg/L				120.46%
Se 196.026	68.5	41.8831	22.82060	µg/L				54.49%
Si 251.611	1162.0	13.6129	2.36228	µg/L				17.35%
Sn 189.933	-4.0	-10.0802	15.76170	µg/L				156.36%
Sr 407.771	715.5	-2.05788	0.004747	µg/L				0.23%
Ti 334.941	1797.5	1.83802	0.401563	µg/L				21.85%
Tl 190.800	16.7	-5.27744	4.304496	µg/L				81.56%
V 292.402	-236.8	2.08637	0.349053	µg/L				16.73%
Zn 206.200	2.0	-0.731208	2.6063181	µg/L				356.44%

Replicate Data

ID: 1000900-blk1 Date: 2/8/10 8:25:21 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	391245.6	391245.6	98.4	µg/L		
1	Y 360.064	241022.9	241022.9	99.3	µg/L		
1	Ag 328.068	18.2	18.5	1.60267	µg/L	1.60267	µg/L
1	Al 396.140	-195.9	-199.1	-33.9890	µg/L	-33.9890	µg/L
1	As 188.979	3.0	3.0	-32.2624	µg/L	-32.2624	µg/L
1	B 249.773	4666.1	4740.6	449.305	µg/L	449.305	µg/L
1	Ba 455.403	9180.4	9326.9	0.632374	µg/L	0.632374	µg/L
1	Be 234.861	80.1	81.4	-0.315733	µg/L	-0.315733	µg/L
1	Ca 315.887	495.3	503.2	0.0836120	mg/L	0.0836120	mg/L
1	Cd 214.438	49.0	49.8	0.620681	µg/L	0.620681	µg/L
1	Ce 413.765	-162.9	-165.5	7.08896	µg/L	0.0070890	mg/L
1	Co 228.616	-12.9	-13.1	-0.0871790	µg/L	-0.0871790	µg/L
1	Cr 205.560	53.7	54.6	5.38588	µg/L	5.38588	µg/L
1	Cu 327.394	63.4	64.4	7.90180	µg/L	7.90180	µg/L
1	Fe 238.204	132.6	134.7	4.63268	µg/L	4.63268	µg/L
1	K 766.514	2190.5	2225.4	0.0403172	mg/L	0.0403172	mg/L
1	Li 670.781	237.8	241.6	-2.57932	µg/L	-2.57932	µg/L
1	Mg 279.074	18.1	18.4	0.0046438	mg/L	0.0046438	mg/L
1	Mn 257.610	-131.4	-133.5	-0.750206	µg/L	-0.750206	µg/L
1	Mo 202.031	7.2	7.3	1.37755	µg/L	1.37755	µg/L
1	Na 589.594	58123.5	59051.1	3.77795	mg/L	3.77795	mg/L
1	Ni 231.603	80.5	81.8	-0.390277	µg/L	-0.390277	µg/L
1	Pb 220.353	-6.0	-6.0	-7.90636	µg/L	-7.90636	µg/L
1	Sb 206.831	10.3	10.5	57.2530	µg/L	57.2530	µg/L
1	Se 196.026	77.1	78.3	116.933	µg/L	116.933	µg/L
1	Si 251.611	2426.5	2465.2	298.992	µg/L	298.992	µg/L
1	Sn 189.933	-0.8	-0.8	22.7934	µg/L	22.7934	µg/L
1	Sr 407.771	903.6	918.1	-1.91206	µg/L	-1.91206	µg/L

1 Ti 334.941	1727.7	1755.3	1.36741 µg/L	1.36741 µg/L	
1 Tl 190.800	8.6	8.8	-54.1976 µg/L	-54.1976 µg/L	
1 V 292.402	-311.7	-316.7	-3.18207 µg/L	-3.18207 µg/L	
1 Zn 206.200	28.0	28.4	11.5693 µg/L	11.5693 µg/L	
2 Sc 357.253	392186.6	392186.6	98.7 µg/L		
2 Y 360.064	241882.3	241882.3	99.7 µg/L		
2 Ag 328.068	3.3	3.4	0.989301 µg/L	0.989301 µg/L	
2 Al 396.140	-45.9	-46.5	-13.6110 µg/L	-13.6110 µg/L	
2 As 188.979	2.8	2.8	-33.5001 µg/L	-33.5001 µg/L	
2 B 249.773	4747.6	4811.8	456.468 µg/L	456.468 µg/L	
2 Ba 455.403	9104.3	9227.4	0.472565 µg/L	0.472565 µg/L	
2 Be 234.861	96.1	97.4	-0.132366 µg/L	-0.132366 µg/L	
2 Ca 315.887	461.1	467.3	0.0799736 mg/L	0.0799736 mg/L	
2 Cd 214.438	38.7	39.3	-1.00719 µg/L	-1.00719 µg/L	
2 Ce 413.765	-75.1	-76.1	21.0264 µg/L	0.0210264 mg/L	
2 Co 228.616	-8.6	-8.7	1.27738 µg/L	1.27738 µg/L	
2 Cr 205.560	55.0	55.7	6.42778 µg/L	6.42778 µg/L	
2 Cu 327.394	39.7	40.3	6.21250 µg/L	6.21250 µg/L	
2 Fe 238.204	142.1	144.0	5.68118 µg/L	5.68118 µg/L	
2 K 766.514	2129.7	2158.5	0.0195406 mg/L	0.0195406 mg/L	
2 Li 670.781	358.8	363.7	-1.80429 µg/L	-1.80429 µg/L	
2 Mg 279.074	60.1	60.9	0.0394858 mg/L	0.0394858 mg/L	
2 Mn 257.610	-153.3	-155.4	-1.04757 µg/L	-1.04757 µg/L	
2 Mo 202.031	7.3	7.4	1.55326 µg/L	1.55326 µg/L	
2 Na 589.594	58883.3	59679.5	3.82049 mg/L	3.82049 mg/L	
2 Ni 231.603	78.8	79.9	-1.51723 µg/L	-1.51723 µg/L	
2 Pb 220.353	-8.1	-8.2	-15.9349 µg/L	-15.9349 µg/L	
2 Sb 206.831	-1.4	-1.5	-4.69733 µg/L	-4.69733 µg/L	
2 Se 196.026	76.0	77.0	107.198 µg/L	107.198 µg/L	
2 Si 251.611	2481.0	2514.5	309.794 µg/L	309.794 µg/L	
2 Sn 189.933	-2.4	-2.5	5.64170 µg/L	5.64170 µg/L	
2 Sr 407.771	901.5	913.7	-1.91521 µg/L	-1.91521 µg/L	
2 Ti 334.941	1755.2	1778.9	1.63059 µg/L	1.63059 µg/L	
2 Tl 190.800	12.2	12.4	-31.9960 µg/L	-31.9960 µg/L	
2 V 292.402	-290.0	-293.9	-1.67971 µg/L	-1.67971 µg/L	
2 Zn 206.200	35.5	36.0	15.0987 µg/L	15.0987 µg/L	

Mean Data

ID: 1000900-blk1 Seq. No.: 16 Sample No.: 1 A/S Pos: 17
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 8:25:21 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	391716.1	98.5	0.17	µg/L				0.17%
Y 360.064	241452.6	99.5	0.25	µg/L				0.25%
Ag 328.068	10.9	1.29599	0.433718	µg/L	1.29599	0.433718	µg/L	33.47%
Al 396.140	-122.8	-23.8000	14.40941	µg/L	-23.8000	14.40941	µg/L	60.54%
As 188.979	2.9	-32.8812	0.87520	µg/L	-32.8812	0.87520	µg/L	2.66%
B 249.773	4776.2	452.886	5.0653	µg/L	452.886	5.0653	µg/L	1.12%
Ba 455.403	9277.2	0.552470	0.1130017	µg/L	0.552470	0.1130017	µg/L	20.45%
Be 234.861	89.4	-0.224050	0.1296601	µg/L	-0.224050	0.1296601	µg/L	57.87%
Ca 315.887	485.3	0.0817928	0.00257275	mg/L	0.0817928	0.00257275	mg/L	3.15%
Cd 214.438	44.5	-0.193257	1.1510816	µg/L	-0.193257	1.1510816	µg/L	595.62%
Ce 413.765	-120.8	14.0577	9.85528	µg/L	0.0140577	0.00985528	mg/L	70.11%
Co 228.616	-10.9	0.595098	0.9648855	µg/L	0.595098	0.9648855	µg/L	162.14%
Cr 205.560	55.2	5.90683	0.736740	µg/L	5.90683	0.736740	µg/L	12.47%
Cu 327.394	52.3	7.05715	1.194519	µg/L	7.05715	1.194519	µg/L	16.93%
Fe 238.204	139.3	5.15693	0.741404	µg/L	5.15693	0.741404	µg/L	14.38%
K 766.514	2192.0	0.0299289	0.01469127	mg/L	0.0299289	0.01469127	mg/L	49.09%
Li 670.781	302.6	-2.19181	0.548029	µg/L	-2.19181	0.548029	µg/L	25.00%
Mg 279.074	39.6	0.0220648	0.02463698	mg/L	0.0220648	0.02463698	mg/L	111.66%
Mn 257.610	-144.5	-0.898888	0.2102674	µg/L	-0.898888	0.2102674	µg/L	23.39%
Mo 202.031	7.4	1.46540	0.124247	µg/L	1.46540	0.124247	µg/L	8.48%
Na 589.594	59365.3	3.79922	0.030076	mg/L	3.79922	0.030076	mg/L	0.79%
Ni 231.603	80.9	-0.953753	0.7968758	µg/L	-0.953753	0.7968758	µg/L	83.55%
Pb 220.353	-7.1	-11.9206	5.67704	µg/L	-11.9206	5.67704	µg/L	47.62%
Sb 206.831	4.5	26.2778	43.80546	µg/L	26.2778	43.80546	µg/L	166.70%
Se 196.026	77.7	112.065	6.8840	µg/L	112.065	6.8840	µg/L	6.14%
Si 251.611	2489.9	304.393	7.6381	µg/L	304.393	7.6381	µg/L	2.51%
Sn 189.933	-1.6	14.2175	12.12805	µg/L	14.2175	12.12805	µg/L	85.30%

Sr 407.771	915.9	-1.91364	0.002227 µg/L	-1.91364	0.002227 µg/L	0.12%
Ti 334.941	1767.1	1.49900	0.186097 µg/L	1.49900	0.186097 µg/L	12.41%
Tl 190.800	10.6	-43.0968	15.69890 µg/L	-43.0968	15.69890 µg/L	36.43%
V 292.402	-305.3	-2.43089	1.062327 µg/L	-2.43089	1.062327 µg/L	43.70%
Zn 206.200	32.2	13.3340	2.49568 µg/L	13.3340	2.49568 µg/L	18.72%

Replicate Data

ID: 1000900-bs1 Date: 2/8/10 8:28:36 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	392638.9	392638.9	98.8	µg/L		
1	Y 360.064	240938.5	240938.5	99.3	µg/L		
1	Ag 328.068	5861.4	5933.8	241.717	µg/L	241.717	µg/L
1	Al 396.140	9215.1	9329.0	1238.47	µg/L	1238.47	µg/L
1	As 188.979	223.6	226.3	1277.19	µg/L	1277.19	µg/L
1	B 249.773	7293.2	7383.3	715.093	µg/L	715.093	µg/L
1	Ba 455.403	163305.3	165322.7	251.066	µg/L	251.066	µg/L
1	Be 234.861	2275.1	2303.2	25.2176	µg/L	25.2176	µg/L
1	Ca 315.887	126459.8	128022.0	13.0246	mg/L	13.0246	mg/L
1	Cd 214.438	1645.1	1665.4	251.134	µg/L	251.134	µg/L
1	Ce 413.765	-240.9	-243.9	-5.13125	µg/L	-0.0051313	mg/L
1	Co 228.616	789.8	799.5	251.329	µg/L	251.329	µg/L
1	Cr 205.560	330.4	334.5	259.980	µg/L	259.980	µg/L
1	Cu 327.394	3583.9	3628.1	256.966	µg/L	256.966	µg/L
1	Fe 238.204	2347.4	2376.4	257.086	µg/L	257.086	µg/L
1	K 766.514	41912.1	42429.8	12.5265	mg/L	12.5265	mg/L
1	Li 670.781	39472.1	39959.7	249.548	µg/L	249.548	µg/L
1	Mg 279.074	15514.4	15706.1	12.8535	mg/L	12.8535	mg/L
1	Mn 257.610	18442.3	18670.1	254.881	µg/L	254.881	µg/L
1	Mo 202.031	170.2	172.3	256.181	µg/L	256.181	µg/L
1	Na 589.594	242874.5	245874.8	16.4249	mg/L	16.4249	mg/L
1	Ni 231.603	508.4	514.7	256.243	µg/L	256.243	µg/L
1	Pb 220.353	63.6	64.4	257.836	µg/L	257.836	µg/L
1	Sb 206.831	253.4	256.5	1330.91	µg/L	1330.91	µg/L
1	Se 196.026	241.7	244.7	1390.42	µg/L	1390.42	µg/L
1	Si 251.611	8123.7	8224.1	1560.04	µg/L	1560.04	µg/L
1	Sn 189.933	125.1	126.7	1329.66	µg/L	1329.66	µg/L
1	Sr 407.771	347763.9	352060.0	250.825	µg/L	250.825	µg/L
1	Ti 334.941	24747.2	25052.9	260.650	µg/L	260.650	µg/L
1	Tl 190.800	215.9	218.6	1241.39	µg/L	1241.39	µg/L
1	V 292.402	3559.3	3603.2	255.570	µg/L	255.570	µg/L
1	Zn 206.200	580.5	587.6	272.500	µg/L	272.500	µg/L
2	Sc 357.253	396231.3	396231.3	99.7	µg/L		
2	Y 360.064	243043.3	243043.3	100.2	µg/L		
2	Ag 328.068	5914.8	5933.6	241.709	µg/L	241.709	µg/L
2	Al 396.140	9229.5	9258.8	1229.10	µg/L	1229.10	µg/L
2	As 188.979	216.0	216.7	1220.80	µg/L	1220.80	µg/L
2	B 249.773	7410.6	7434.1	720.208	µg/L	720.208	µg/L
2	Ba 455.403	165140.6	165664.9	251.616	µg/L	251.616	µg/L
2	Be 234.861	2304.9	2312.2	25.3218	µg/L	25.3218	µg/L
2	Ca 315.887	128543.3	128951.4	13.1190	mg/L	13.1190	mg/L
2	Cd 214.438	1661.3	1666.5	251.304	µg/L	251.304	µg/L
2	Ce 413.765	-196.4	-197.0	2.18045	µg/L	0.0021805	mg/L
2	Co 228.616	794.2	796.7	250.466	µg/L	250.466	µg/L
2	Cr 205.560	324.2	325.2	251.528	µg/L	251.528	µg/L
2	Cu 327.394	3496.3	3507.5	248.531	µg/L	248.531	µg/L
2	Fe 238.204	2349.6	2357.0	254.904	µg/L	254.904	µg/L
2	K 766.514	42209.6	42343.6	12.4997	mg/L	12.4997	mg/L
2	Li 670.781	39960.6	40087.5	250.359	µg/L	250.359	µg/L
2	Mg 279.074	15655.6	15705.3	12.8530	mg/L	12.8530	mg/L
2	Mn 257.610	18439.1	18497.7	252.537	µg/L	252.537	µg/L
2	Mo 202.031	168.5	169.1	251.166	µg/L	251.166	µg/L
2	Na 589.594	245537.1	246316.7	16.4548	mg/L	16.4548	mg/L
2	Ni 231.603	529.6	531.3	266.063	µg/L	266.063	µg/L
2	Pb 220.353	59.9	60.0	241.494	µg/L	241.494	µg/L
2	Sb 206.831	248.6	249.4	1293.84	µg/L	1293.84	µg/L
2	Se 196.026	229.4	230.1	1279.31	µg/L	1279.31	µg/L
2	Si 251.611	8149.9	8175.8	1549.48	µg/L	1549.48	µg/L
2	Sn 189.933	125.1	125.5	1317.53	µg/L	1317.53	µg/L

2 Sr 407.771	352199.6	353317.9	251.730 µg/L	251.730 µg/L	
2 Ti 334.941	24939.8	25019.0	260.273 µg/L	260.273 µg/L	
2 Tl 190.800	214.2	214.9	1218.70 µg/L	1218.70 µg/L	
2 V 292.402	3525.1	3536.3	251.151 µg/L	251.151 µg/L	
2 Zn 206.200	595.1	597.0	276.847 µg/L	276.847 µg/L	

Mean Data

ID: 1000900-bs1 Seq. No.: 17 Sample No.: 2 A/S Pos: 18
Sample Qty: . 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 8:28:36 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	394435.1	99.2	0.64	µg/L				0.64%
Y 360.064	241990.9	99.7	0.61	µg/L				0.62%
Ag 328.068	5933.7	241.713	0.0059	µg/L	241.713	0.0059	µg/L	0.00%
Al 396.140	9293.9	1233.78	6.625	µg/L	1233.78	6.625	µg/L	0.54%
As 188.979	221.5	1248.99	39.872	µg/L	1248.99	39.872	µg/L	3.19%
B 249.773	7408.7	717.651	3.6166	µg/L	717.651	3.6166	µg/L	0.50%
Ba 455.403	165493.8	251.341	0.3884	µg/L	251.341	0.3884	µg/L	0.15%
Be 234.861	2307.7	25.2697	0.07363	µg/L	25.2697	0.07363	µg/L	0.29%
Ca 315.887	128486.7	13.0718	0.06671	mg/L	13.0718	0.06671	mg/L	0.51%
Cd 214.438	1666.0	251.219	0.1201	µg/L	251.219	0.1201	µg/L	0.05%
Ce 413.765	-220.4	-1.47540	5.170156	µg/L	-0.0014754	0.00517016	mg/L	350.42%
Co 228.616	798.1	250.898	0.6099	µg/L	250.898	0.6099	µg/L	0.24%
Cr 205.560	329.8	255.754	5.9762	µg/L	255.754	5.9762	µg/L	2.34%
Cu 327.394	3567.8	252.749	5.9646	µg/L	252.749	5.9646	µg/L	2.36%
Fe 238.204	2366.7	255.995	1.5425	µg/L	255.995	1.5425	µg/L	0.60%
K 766.514	42386.7	12.5131	0.01893	mg/L	12.5131	0.01893	mg/L	0.15%
Li 670.781	40023.6	249.954	0.5736	µg/L	249.954	0.5736	µg/L	0.23%
Mg 279.074	15705.7	12.8533	0.00040	mg/L	12.8533	0.00040	mg/L	0.00%
Mn 257.610	18583.9	253.709	1.6574	µg/L	253.709	1.6574	µg/L	0.65%
Mo 202.031	170.7	253.673	3.5464	µg/L	253.673	3.5464	µg/L	1.40%
Na 589.594	246095.8	16.4399	0.02116	mg/L	16.4399	0.02116	mg/L	0.13%
Ni 231.603	523.0	261.153	6.9436	µg/L	261.153	6.9436	µg/L	2.66%
Pb 220.353	62.2	249.665	11.5556	µg/L	249.665	11.5556	µg/L	4.63%
Sb 206.831	252.9	1312.37	26.211	µg/L	1312.37	26.211	µg/L	2.00%
Se 196.026	237.4	1334.87	78.564	µg/L	1334.87	78.564	µg/L	5.89%
Si 251.611	8199.9	1554.76	7.472	µg/L	1554.76	7.472	µg/L	0.48%
Sn 189.933	126.1	1323.59	8.580	µg/L	1323.59	8.580	µg/L	0.65%
Sr 407.771	352688.9	251.278	0.6402	µg/L	251.278	0.6402	µg/L	0.25%
Ti 334.941	25035.9	260.462	0.2668	µg/L	260.462	0.2668	µg/L	0.10%
Tl 190.800	216.8	1230.04	16.048	µg/L	1230.04	16.048	µg/L	1.30%
V 292.402	3569.8	253.360	3.1246	µg/L	253.360	3.1246	µg/L	1.23%
Zn 206.200	592.3	274.674	3.0739	µg/L	274.674	3.0739	µg/L	1.12%

Replicate Data

ID: 1002004-01 Date: 2/8/10 8:31:57 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	402925.5	402925.5	101.4	µg/L		
1	Y 360.064	247343.6	247343.6	101.9	µg/L		
1	Ag 328.068	-56.9	-56.2	-1.42782	µg/L	-1.42782	µg/L
1	Al 396.140	12212.9	12048.1	1601.61	µg/L	1601.61	µg/L
1	As 188.979	13.8	13.6	30.0879	µg/L	30.0879	µg/L
1	B 249.773	1035.4	1021.5	75.2546	µg/L	75.2546	µg/L
1	Ba 455.403	39528.2	38994.9	48.2609	µg/L	48.2609	µg/L
1	Be 234.861	143.4	141.4	0.374103	µg/L	0.374103	µg/L
1	Ca 315.887	167222.7	164966.6	16.7736	mg/L	16.7736	mg/L
1	Cd 214.438	54.1	53.4	1.17771	µg/L	1.17771	µg/L
1	Ce 413.765	-216.3	-213.4	-0.381743	µg/L	-0.0003817	mg/L
1	Co 228.616	-2.5	-2.5	3.19370	µg/L	3.19370	µg/L
1	Cr 205.560	54.6	53.8	4.69504	µg/L	4.69504	µg/L
1	Cu 327.394	113.0	111.5	11.1879	µg/L	11.1879	µg/L
1	Fe 238.204	18127.2	17882.6	2003.33	µg/L	2003.33	µg/L
1	K 766.514	4420.3	4360.7	0.704511	mg/L	0.704511	mg/L
1	Li 670.781	603.6	595.5	-0.332919	µg/L	-0.332919	µg/L
1	Mg 279.074	2790.0	2752.4	2.24459	mg/L	2.24459	mg/L
1	Mn 257.610	9074.4	8951.9	122.765	µg/L	122.765	µg/L
1	Mo 202.031	12.3	12.1	8.79151	µg/L	8.79151	µg/L

1	Na 589.594	225923.4	222875.4	14.8679 mg/L	14.8679 mg/L
1	Ni 231.603	93.1	91.8	5.54756 µg/L	5.54756 µg/L
1	Pb 220.353	-11.9	-11.8	-29.5282 µg/L	-29.5282 µg/L
1	Sb 206.831	-2.8	-2.7	-11.2845 µg/L	-11.2845 µg/L
1	Se 196.026	70.3	69.3	48.3157 µg/L	48.3157 µg/L
1	Si 251.611	20875.0	20593.4	4268.63 µg/L	4268.63 µg/L
1	Sn 189.933	-6.0	-6.0	-30.0138 µg/L	-30.0138 µg/L
1	Sr 407.771	39315.5	38785.1	25.3430 µg/L	25.3430 µg/L
1	Ti 334.941	5600.4	5524.8	43.3199 µg/L	43.3199 µg/L
1	Tl 190.800	12.2	12.0	-34.3751 µg/L	-34.3751 µg/L
1	V 292.402	-205.3	-202.5	4.35506 µg/L	4.35506 µg/L
1	Zn 206.200	67.2	66.3	29.2470 µg/L	29.2470 µg/L
2	Sc 357.253	399727.4	399727.4	100.6 µg/L	
2	Y 360.064	245706.1	245706.1	101.2 µg/L	
2	Ag 328.068	-74.7	-74.2	-2.16230 µg/L	-2.16230 µg/L
2	Al 396.140	12193.9	12125.7	1611.97 µg/L	1611.97 µg/L
2	As 188.979	8.5	8.5	-0.0753377 µg/L	-0.0753377 µg/L
2	B 249.773	1019.0	1013.3	74.4345 µg/L	74.4345 µg/L
2	Ba 455.403	39344.9	39124.6	48.4692 µg/L	48.4692 µg/L
2	Be 234.861	135.1	134.3	0.292354 µg/L	0.292354 µg/L
2	Ca 315.887	166804.9	165871.0	16.8654 mg/L	16.8654 mg/L
2	Cd 214.438	65.9	65.5	3.05931 µg/L	3.05931 µg/L
2	Ce 413.765	-144.9	-144.1	10.4345 µg/L	0.0104345 mg/L
2	Co 228.616	-6.3	-6.3	2.03021 µg/L	2.03021 µg/L
2	Cr 205.560	62.2	61.8	11.9589 µg/L	11.9589 µg/L
2	Cu 327.394	129.3	128.5	12.3822 µg/L	12.3822 µg/L
2	Fe 238.204	18172.0	18070.3	2024.45 µg/L	2024.45 µg/L
2	K 766.514	4397.8	4373.2	0.708398 mg/L	0.708398 mg/L
2	Li 670.781	645.2	641.6	-0.0402207 µg/L	-0.0402207 µg/L
2	Mg 279.074	2842.9	2827.0	2.30568 mg/L	2.30568 mg/L
2	Mn 257.610	9118.2	9067.2	124.331 µg/L	124.331 µg/L
2	Mo 202.031	4.0	3.9	-3.84519 µg/L	-3.84519 µg/L
2	Na 589.594	227591.3	226317.0	15.1009 mg/L	15.1009 mg/L
2	Ni 231.603	89.3	88.8	3.75230 µg/L	3.75230 µg/L
2	Pb 220.353	-5.6	-5.6	-6.25444 µg/L	-6.25444 µg/L
2	Sb 206.831	0.1	0.1	3.44146 µg/L	3.44146 µg/L
2	Se 196.026	74.7	74.3	86.2789 µg/L	86.2789 µg/L
2	Si 251.611	20947.9	20830.6	4320.58 µg/L	4320.58 µg/L
2	Sn 189.933	-2.4	-2.4	6.55665 µg/L	6.55665 µg/L
2	Sr 407.771	39570.3	39348.8	25.7487 µg/L	25.7487 µg/L
2	Ti 334.941	5738.3	5706.2	45.3383 µg/L	45.3383 µg/L
2	Tl 190.800	9.1	9.1	-52.4958 µg/L	-52.4958 µg/L
2	V 292.402	-205.6	-204.5	4.22289 µg/L	4.22289 µg/L
2	Zn 206.200	61.9	61.5	27.0241 µg/L	27.0241 µg/L

Mean Data

ID: 1002004-01 Seq. No.: 18 Sample No.: 3 A/S Pos: 19
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 8:31:57 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	401326.5	101.0	0.57	µg/L				0.56%
Y 360.064	246524.9	101.6	0.48	µg/L				0.47%
Ag 328.068	-65.2	-1.79506	0.519356	µg/L	-1.79506	0.519356	µg/L	28.93%
Al 396.140	12086.9	1606.79	7.325	µg/L	1606.79	7.325	µg/L	0.46%
As 188.979	11.1	15.0063	21.32861	µg/L	15.0063	21.32861	µg/L	142.13%
B 249.773	1017.4	74.8446	0.57993	µg/L	74.8446	0.57993	µg/L	0.77%
Ba 455.403	39059.7	48.3651	0.14726	µg/L	48.3651	0.14726	µg/L	0.30%
Be 234.861	137.9	0.333228	0.0578055	µg/L	0.333228	0.0578055	µg/L	17.35%
Ca 315.887	165418.8	16.8195	0.06489	mg/L	16.8195	0.06489	mg/L	0.39%
Cd 214.438	59.4	2.11851	1.330493	µg/L	2.11851	1.330493	µg/L	62.80%
Ce 413.765	-178.7	5.02637	7.648233	µg/L	0.0050264	0.00764823	mg/L	152.16%
Co 228.616	-4.4	2.61195	0.822716	µg/L	2.61195	0.822716	µg/L	31.50%
Cr 205.560	57.8	8.32696	5.136311	µg/L	8.32696	5.136311	µg/L	61.68%
Cu 327.394	120.0	11.7850	0.84449	µg/L	11.7850	0.84449	µg/L	7.17%
Fe 238.204	17976.4	2013.89	14.940	µg/L	2013.89	14.940	µg/L	0.74%
K 766.514	4366.9	0.706455	0.0027480	mg/L	0.706455	0.0027480	mg/L	0.39%
Li 670.781	618.5	-0.186570	0.2069692	µg/L	-0.186570	0.2069692	µg/L	110.93%
Mg 279.074	2789.7	2.27513	0.043195	mg/L	2.27513	0.043195	mg/L	1.90%
Mn 257.610	9009.5	123.548	1.1078	µg/L	123.548	1.1078	µg/L	0.90%

Mo 202.031	8.0	2.47316	8.935493 µg/L	2.47316	8.935493 µg/L	361.30%
Na 589.594	224596.2	14.9844	0.16473 mg/L	14.9844	0.16473 mg/L	1.10%
Ni 231.603	90.3	4.64993	1.269437 µg/L	4.64993	1.269437 µg/L	27.30%
Pb 220.353	-8.7	-17.8913	16.45704 µg/L	-17.8913	16.45704 µg/L	91.98%
Sb 206.831	-1.3	-3.92152	10.412827 µg/L	-3.92152	10.412827 µg/L	265.53%
Se 196.026	71.8	67.2973	26.84398 µg/L	67.2973	26.84398 µg/L	39.89%
Si 251.611	20712.0	4294.60	36.733 µg/L	4294.60	36.733 µg/L	0.86%
Sn 189.933	-4.2	-11.7286	25.85925 µg/L	-11.7286	25.85925 µg/L	220.48%
Sr 407.771	39066.9	25.5459	0.28688 µg/L	25.5459	0.28688 µg/L	1.12%
Ti 334.941	5615.5	44.3291	1.42725 µg/L	44.3291	1.42725 µg/L	3.22%
Tl 190.800	10.5	-43.4355	12.81326 µg/L	-43.4355	12.81326 µg/L	29.50%
V 292.402	-203.5	4.28898	0.093461 µg/L	4.28898	0.093461 µg/L	2.18%
Zn 206.200	63.9	28.1356	1.57186 µg/L	28.1356	1.57186 µg/L	5.59%

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

ID: 1000900-ms1 Date: 2/8/10 8:35:20 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	407397.6	407397.6	102.5	µg/L		
1	Y 360.064	251156.1	251156.1	103.5	µg/L		
1	Ag 328.068	5691.9	5553.5	226.280	µg/L	226.280	µg/L
1	Al 396.140	12482.9	12179.3	1619.13	µg/L	1619.13	µg/L
1	As 188.979	210.1	205.0	1152.28	µg/L	1152.28	µg/L
1	B 249.773	2779.3	2711.7	245.254	µg/L	245.254	µg/L
1	Ba 455.403	170743.2	166590.7	253.102	µg/L	253.102	µg/L
1	Be 234.861	2164.3	2111.6	23.0165	µg/L	23.0165	µg/L
1	Ca 315.887	254681.4	248487.4	25.2498	mg/L	25.2498	mg/L
1	Cd 214.438	1553.6	1515.8	227.936	µg/L	227.936	µg/L
1	Ce 413.765	-146.5	-143.0	10.6084	µg/L	0.0106084	mg/L
1	Co 228.616	742.3	724.2	228.034	µg/L	228.034	µg/L
1	Cr 205.560	314.2	306.5	234.562	µg/L	234.562	µg/L
1	Cu 327.394	3507.6	3422.3	242.580	µg/L	242.580	µg/L
1	Fe 238.204	6233.6	6082.0	674.395	µg/L	674.395	µg/L
1	K 766.514	43355.0	42300.6	12.4870	mg/L	12.4870	mg/L
1	Li 670.781	38342.6	37410.1	233.363	µg/L	233.363	µg/L
1	Mg 279.074	16752.4	16345.0	13.3784	mg/L	13.3784	mg/L
1	Mn 257.610	19039.6	18576.5	253.609	µg/L	253.609	µg/L
1	Mo 202.031	164.6	160.6	238.073	µg/L	238.073	µg/L
1	Na 589.594	300278.1	292975.2	19.6138	mg/L	19.6138	mg/L
1	Ni 231.603	488.8	477.0	233.867	µg/L	233.867	µg/L
1	Pb 220.353	61.1	59.7	240.022	µg/L	240.022	µg/L
1	Sb 206.831	228.9	223.3	1159.15	µg/L	1159.15	µg/L
1	Se 196.026	225.8	220.3	1204.08	µg/L	1204.08	µg/L
1	Si 251.611	17343.7	16921.9	3464.66	µg/L	3464.66	µg/L
1	Sn 189.933	115.6	112.8	1187.46	µg/L	1187.46	µg/L
1	Sr 407.771	366135.3	357230.6	254.547	µg/L	254.547	µg/L
1	Ti 334.941	24364.6	23772.0	246.395	µg/L	246.395	µg/L
1	Tl 190.800	217.0	211.8	1199.12	µg/L	1199.12	µg/L
1	V 292.402	3381.2	3298.9	235.482	µg/L	235.482	µg/L
1	Zn 206.200	529.4	516.5	239.312	µg/L	239.312	µg/L
2	Sc 357.253	406262.1	406262.1	102.2	µg/L		
2	Y 360.064	250476.3	250476.3	103.2	µg/L		
2	Ag 328.068	5669.3	5546.9	226.012	µg/L	226.012	µg/L
2	Al 396.140	12505.2	12235.1	1626.59	µg/L	1626.59	µg/L
2	As 188.979	219.0	214.2	1206.23	µg/L	1206.23	µg/L
2	B 249.773	2766.8	2707.1	244.784	µg/L	244.784	µg/L
2	Ba 455.403	172448.9	168725.1	256.528	µg/L	256.528	µg/L
2	Be 234.861	2165.0	2118.3	23.0926	µg/L	23.0926	µg/L
2	Ca 315.887	256946.8	251398.4	25.5452	mg/L	25.5452	mg/L
2	Cd 214.438	1546.9	1513.5	227.582	µg/L	227.582	µg/L
2	Ce 413.765	-189.5	-185.4	3.98137	µg/L	0.0039814	mg/L
2	Co 228.616	751.9	735.7	231.570	µg/L	231.570	µg/L
2	Cr 205.560	311.7	304.9	233.089	µg/L	233.089	µg/L
2	Cu 327.394	3464.9	3390.1	240.329	µg/L	240.329	µg/L
2	Fe 238.204	6211.2	6077.1	673.836	µg/L	673.836	µg/L
2	K 766.514	43778.6	42833.2	12.6524	mg/L	12.6524	mg/L
2	Li 670.781	38714.0	37878.0	236.334	µg/L	236.334	µg/L
2	Mg 279.074	16792.1	16429.5	13.4476	mg/L	13.4476	mg/L
2	Mn 257.610	19024.9	18614.1	254.119	µg/L	254.119	µg/L

2 Mo 202.031	164.1	160.6	238.033 µg/L	238.033 µg/L	
2 Na 589.594	303320.5	296770.7	19.8707 mg/L	19.8707 mg/L	
2 Ni 231.603	478.8	468.4	228.805 µg/L	228.805 µg/L	
2 Pb 220.353	56.3	55.1	222.773 µg/L	222.773 µg/L	
2 Sb 206.831	229.7	224.7	1166.30 µg/L	1166.30 µg/L	
2 Se 196.026	229.3	224.3	1234.56 µg/L	1234.56 µg/L	
2 Si 251.611	17302.8	16929.1	3466.25 µg/L	3466.25 µg/L	
2 Sn 189.933	112.1	109.7	1155.76 µg/L	1155.76 µg/L	
2 Sr 407.771	369982.0	361992.8	257.974 µg/L	257.974 µg/L	
2 Ti 334.941	24325.1	23799.8	246.705 µg/L	246.705 µg/L	
2 Tl 190.800	205.5	201.1	1133.25 µg/L	1133.25 µg/L	
2 V 292.402	3380.6	3307.6	236.055 µg/L	236.055 µg/L	
2 Zn 206.200	538.8	527.2	244.294 µg/L	244.294 µg/L	

Mean Data

ID: 1000900-ms1 Seq. No.: 19 Sample No.: 4 A/S Pos: 20
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 8:35:20 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	406829.8	102.3	0.20	µg/L				0.20%
Y 360.064	250816.2	103.4	0.20	µg/L				0.19%
Ag 328.068	5550.2	226.146	0.1895	µg/L	226.146	0.1895	µg/L	0.08%
Al 396.140	12207.2	1622.86	5.274	µg/L	1622.86	5.274	µg/L	0.32%
As 188.979	209.6	1179.25	38.144	µg/L	1179.25	38.144	µg/L	3.23%
B 249.773	2709.4	245.019	0.3322	µg/L	245.019	0.3322	µg/L	0.14%
Ba 455.403	167657.9	254.815	2.4229	µg/L	254.815	2.4229	µg/L	0.95%
Be 234.861	2115.0	23.0546	0.05384	µg/L	23.0546	0.05384	µg/L	0.23%
Ca 315.887	249942.9	25.3975	0.20888	mg/L	25.3975	0.20888	mg/L	0.82%
Cd 214.438	1514.7	227.759	0.2501	µg/L	227.759	0.2501	µg/L	0.11%
Ce 413.765	-164.2	7.29486	4.685993	µg/L	0.0072949	0.00468599	mg/L	64.24%
Co 228.616	729.9	229.802	2.5008	µg/L	229.802	2.5008	µg/L	1.09%
Cr 205.560	305.7	233.826	1.0414	µg/L	233.826	1.0414	µg/L	0.45%
Cu 327.394	3406.2	241.455	1.5919	µg/L	241.455	1.5919	µg/L	0.66%
Fe 238.204	6079.5	674.116	0.3948	µg/L	674.116	0.3948	µg/L	0.06%
K 766.514	42566.9	12.5697	0.11697	mg/L	12.5697	0.11697	mg/L	0.93%
Li 670.781	37644.1	234.848	2.1006	µg/L	234.848	2.1006	µg/L	0.89%
Mg 279.074	16387.3	13.4130	0.04895	mg/L	13.4130	0.04895	mg/L	0.36%
Mn 257.610	18595.3	253.864	0.3609	µg/L	253.864	0.3609	µg/L	0.14%
Mo 202.031	160.6	238.053	0.0282	µg/L	238.053	0.0282	µg/L	0.01%
Na 589.594	294872.9	19.7422	0.18168	mg/L	19.7422	0.18168	mg/L	0.92%
Ni 231.603	472.7	231.336	3.5792	µg/L	231.336	3.5792	µg/L	1.55%
Pb 220.353	57.4	231.398	12.1965	µg/L	231.398	12.1965	µg/L	5.27%
Sb 206.831	224.0	1162.73	5.053	µg/L	1162.73	5.053	µg/L	0.43%
Se 196.026	222.3	1219.32	21.553	µg/L	1219.32	21.553	µg/L	1.77%
Si 251.611	16925.5	3465.46	1.121	µg/L	3465.46	1.121	µg/L	0.03%
Sn 189.933	111.3	1171.61	22.412	µg/L	1171.61	22.412	µg/L	1.91%
Sr 407.771	359611.7	256.260	2.4237	µg/L	256.260	2.4237	µg/L	0.95%
Ti 334.941	23785.9	246.550	0.2186	µg/L	246.550	0.2186	µg/L	0.09%
Tl 190.800	206.4	1166.19	46.574	µg/L	1166.19	46.574	µg/L	3.99%
V 292.402	3303.3	235.768	0.4051	µg/L	235.768	0.4051	µg/L	0.17%
Zn 206.200	521.9	241.803	3.5230	µg/L	241.803	3.5230	µg/L	1.46%

Replicate Data

ID: 1000900-msd1 Date: 2/8/10 8:38:42 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	396755.8	396755.8	99.8	µg/L		
1	Y 360.064	244048.3	244048.3	100.6	µg/L		
1	Ag 328.068	5519.6	5529.8	225.319	µg/L	225.319	µg/L
1	Al 396.140	12266.0	12288.7	1633.74	µg/L	1633.74	µg/L
1	As 188.979	207.2	207.6	1167.36	µg/L	1167.36	µg/L
1	B 249.773	2680.0	2685.0	242.563	µg/L	242.563	µg/L
1	Ba 455.403	166134.9	166442.1	252.863	µg/L	252.863	µg/L
1	Be 234.861	2111.6	2115.5	23.0613	µg/L	23.0613	µg/L
1	Ca 315.887	246697.2	247153.3	25.1144	mg/L	25.1144	mg/L
1	Cd 214.438	1514.6	1517.4	228.184	µg/L	228.184	µg/L
1	Ce 413.765	-155.2	-155.5	8.65228	µg/L	0.0086523	mg/L
1	Co 228.616	737.7	739.0	232.612	µg/L	232.612	µg/L

1	Cr 205.560	300.5	301.0	229.532 µg/L	229.532 µg/L	
1	Cu 327.394	3364.2	3370.5	238.957 µg/L	238.957 µg/L	
1	Fe 238.204	5980.7	5991.7	664.228 µg/L	664.228 µg/L	
1	K 766.514	42261.0	42339.2	12.4989 mg/L	12.4989 mg/L	
1	Li 670.781	37165.2	37234.0	232.245 µg/L	232.245 µg/L	
1	Mg 279.074	16325.2	16355.4	13.3869 mg/L	13.3869 mg/L	
1	Mn 257.610	18499.2	18533.4	253.023 µg/L	253.023 µg/L	
1	Mo 202.031	163.7	164.0	243.313 µg/L	243.313 µg/L	
1	Na 589.594	292143.9	292684.0	19.5940 mg/L	19.5940 mg/L	
1	Ni 231.603	480.9	481.8	236.762 µg/L	236.762 µg/L	
1	Pb 220.353	47.3	47.4	193.749 µg/L	193.749 µg/L	
1	Sb 206.831	235.5	235.9	1224.13 µg/L	1224.13 µg/L	
1	Se 196.026	227.6	228.0	1262.86 µg/L	1262.86 µg/L	
1	Si 251.611	17062.0	17093.5	3502.24 µg/L	3502.24 µg/L	
1	Sn 189.933	111.9	112.1	1180.73 µg/L	1180.73 µg/L	
1	Sr 407.771	356046.5	356704.8	254.168 µg/L	254.168 µg/L	
1	Ti 334.941	23602.3	23646.0	244.993 µg/L	244.993 µg/L	
1	Tl 190.800	210.2	210.5	1191.63 µg/L	1191.63 µg/L	
1	V 292.402	3275.0	3281.1	234.304 µg/L	234.304 µg/L	
1	Zn 206.200	500.3	501.2	232.168 µg/L	232.168 µg/L	
2	Sc 357.253	399430.3	399430.3	100.5 µg/L		
2	Y 360.064	246154.6	246154.6	101.4 µg/L		
2	Ag 328.068	5586.7	5559.5	226.526 µg/L	226.526 µg/L	
2	Al 396.140	12331.4	12271.5	1631.44 µg/L	1631.44 µg/L	
2	As 188.979	207.5	206.5	1161.03 µg/L	1161.03 µg/L	
2	B 249.773	2737.0	2723.7	246.461 µg/L	246.461 µg/L	
2	Ba 455.403	168480.1	167661.5	254.821 µg/L	254.821 µg/L	
2	Be 234.861	2130.9	2120.5	23.1184 µg/L	23.1184 µg/L	
2	Ca 315.887	250848.1	249629.2	25.3657 mg/L	25.3657 mg/L	
2	Cd 214.438	1524.3	1516.9	228.098 µg/L	228.098 µg/L	
2	Ce 413.765	-238.5	-237.3	-4.10432 µg/L	-0.0041043 mg/L	
2	Co 228.616	732.7	729.2	229.568 µg/L	229.568 µg/L	
2	Cr 205.560	310.9	309.4	237.177 µg/L	237.177 µg/L	
2	Cu 327.394	3395.4	3378.9	239.545 µg/L	239.545 µg/L	
2	Fe 238.204	6106.1	6076.4	673.766 µg/L	673.766 µg/L	
2	K 766.514	42662.1	42454.8	12.5348 mg/L	12.5348 mg/L	
2	Li 670.781	37341.6	37160.1	231.776 µg/L	231.776 µg/L	
2	Mg 279.074	16575.7	16495.1	13.5013 mg/L	13.5013 mg/L	
2	Mn 257.610	18639.8	18549.3	253.238 µg/L	253.238 µg/L	
2	Mo 202.031	158.0	157.2	232.850 µg/L	232.850 µg/L	
2	Na 589.594	295290.3	293855.4	19.6734 mg/L	19.6734 mg/L	
2	Ni 231.603	473.7	471.4	230.560 µg/L	230.560 µg/L	
2	Pb 220.353	52.7	52.4	212.705 µg/L	212.705 µg/L	
2	Sb 206.831	226.7	225.6	1171.03 µg/L	1171.03 µg/L	
2	Se 196.026	225.4	224.3	1234.51 µg/L	1234.51 µg/L	
2	Si 251.611	17244.4	17160.6	3516.94 µg/L	3516.94 µg/L	
2	Sn 189.933	109.2	108.7	1144.92 µg/L	1144.92 µg/L	
2	Sr 407.771	360799.2	359046.0	255.853 µg/L	255.853 µg/L	
2	Ti 334.941	23838.3	23722.5	245.844 µg/L	245.844 µg/L	
2	Tl 190.800	206.1	205.1	1158.21 µg/L	1158.21 µg/L	
2	V 292.402	3315.7	3299.6	235.527 µg/L	235.527 µg/L	
2	Zn 206.200	503.9	501.4	232.278 µg/L	232.278 µg/L	

Mean Data

ID: 1000900-msd1 Seq. No.: 20 Sample No.: 5 A/S Pos: 21
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 8:38:42 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	398093.1	100.2	0.48	µg/L				0.48%
Y 360.064	245101.5	101.0	0.61	µg/L				0.61%
Ag 328.068	5544.7	225.922	0.8533	µg/L	225.922	0.8533	µg/L	0.38%
Al 396.140	12280.1	1632.59	1.620	µg/L	1632.59	1.620	µg/L	0.10%
As 188.979	207.1	1164.20	4.478	µg/L	1164.20	4.478	µg/L	0.38%
B 249.773	2704.4	244.512	2.7558	µg/L	244.512	2.7558	µg/L	1.13%
Ba 455.403	167051.8	253.842	1.3842	µg/L	253.842	1.3842	µg/L	0.55%
Be 234.861	2118.0	23.0899	0.04038	µg/L	23.0899	0.04038	µg/L	0.17%
Ca 315.887	248391.3	25.2401	0.17770	mg/L	25.2401	0.17770	mg/L	0.70%
Cd 214.438	1517.2	228.141	0.0609	µg/L	228.141	0.0609	µg/L	0.03%
Ce 413.765	-196.4	2.27398	9.020273	µg/L	0.0022740	0.00902027	mg/L	396.67%

Co 228.616	734.1	231.090	2.1523 µg/L	231.090	2.1523 µg/L	0.93%
Cr 205.560	305.2	233.354	5.4061 µg/L	233.354	5.4061 µg/L	2.32%
Cu 327.394	3374.7	239.251	0.4155 µg/L	239.251	0.4155 µg/L	0.17%
Fe 238.204	6034.1	668.997	6.7445 µg/L	668.997	6.7445 µg/L	1.01%
K 766.514	42397.0	12.5169	0.02540 mg/L	12.5169	0.02540 mg/L	0.20%
Li 670.781	37197.0	232.011	0.3315 µg/L	232.011	0.3315 µg/L	0.14%
Mg 279.074	16425.3	13.4441	0.08092 mg/L	13.4441	0.08092 mg/L	0.60%
Mn 257.610	18541.4	253.131	0.1520 µg/L	253.131	0.1520 µg/L	0.06%
Mo 202.031	160.6	238.081	7.3989 µg/L	238.081	7.3989 µg/L	3.11%
Na 589.594	293269.7	19.6337	0.05610 mg/L	19.6337	0.05610 mg/L	0.29%
Ni 231.603	476.6	233.661	4.3852 µg/L	233.661	4.3852 µg/L	1.88%
Pb 220.353	49.9	203.227	13.4041 µg/L	203.227	13.4041 µg/L	6.60%
Sb 206.831	230.8	1197.58	37.544 µg/L	1197.58	37.544 µg/L	3.14%
Se 196.026	226.1	1248.69	20.049 µg/L	1248.69	20.049 µg/L	1.61%
Si 251.611	17127.1	3509.59	10.393 µg/L	3509.59	10.393 µg/L	0.30%
Sn 189.933	110.4	1162.83	25.321 µg/L	1162.83	25.321 µg/L	2.18%
Sr 407.771	357875.4	255.011	1.1915 µg/L	255.011	1.1915 µg/L	0.47%
Ti 334.941	23684.2	245.419	0.6024 µg/L	245.419	0.6024 µg/L	0.25%
Tl 190.800	207.8	1174.92	23.631 µg/L	1174.92	23.631 µg/L	2.01%
V 292.402	3290.3	234.916	0.8647 µg/L	234.916	0.8647 µg/L	0.37%
Zn 206.200	501.3	232.223	0.0777 µg/L	232.223	0.0777 µg/L	0.03%

Replicate Data

ID: 0b08006-srd1 Date: 2/8/10 8:42:04 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	400275.4	400275.4	100.7	µg/L		
1	Y 360.064	246420.2	246420.2	101.5	µg/L		
1	Ag 328.068	-38.8	-38.5	-0.710483	µg/L	-3.55241	µg/L
1	Al 396.140	2425.3	2408.4	314.239	µg/L	1571.20	µg/L
1	As 188.979	1.1	1.1	-43.4937	µg/L	-217.468	µg/L
1	B 249.773	360.9	358.4	8.56815	µg/L	42.8408	µg/L
1	Ba 455.403	14580.9	14479.4	8.90409	µg/L	44.5204	µg/L
1	Be 234.861	86.6	86.0	-0.262483	µg/L	-1.31242	µg/L
1	Ca 315.887	33776.6	33541.5	3.43639	mg/L	17.1819	mg/L
1	Cd 214.438	43.0	42.7	-0.474051	µg/L	-2.37026	µg/L
1	Ce 413.765	-174.2	-173.0	5.92727	µg/L	0.0296363	mg/L
1	Co 228.616	-18.6	-18.5	-1.76512	µg/L	-8.82560	µg/L
1	Cr 205.560	43.1	42.8	-5.35072	µg/L	-26.7536	µg/L
1	Cu 327.394	-83.8	-83.2	-2.41568	µg/L	-12.0784	µg/L
1	Fe 238.204	3763.4	3737.2	410.332	µg/L	2051.66	µg/L
1	K 766.514	2517.7	2500.2	0.125751	mg/L	0.628753	mg/L
1	Li 670.781	301.3	299.2	-2.21332	µg/L	-11.0666	µg/L
1	Mg 279.074	565.8	561.9	0.449817	mg/L	2.24908	mg/L
1	Mn 257.610	1664.2	1652.6	23.5319	µg/L	117.660	µg/L
1	Mo 202.031	8.1	8.1	2.55147	µg/L	12.7574	µg/L
1	Na 589.594	48300.7	47964.5	3.02751	mg/L	15.1375	mg/L
1	Ni 231.603	91.3	90.7	4.88090	µg/L	24.4045	µg/L
1	Pb 220.353	-2.1	-2.1	7.10133	µg/L	35.5066	µg/L
1	Sb 206.831	3.5	3.5	20.8747	µg/L	104.373	µg/L
1	Se 196.026	83.9	83.3	155.364	µg/L	776.819	µg/L
1	Si 251.611	5172.5	5136.5	883.932	µg/L	4419.66	µg/L
1	Sn 189.933	-0.3	-0.3	28.1419	µg/L	140.709	µg/L
1	Sr 407.771	8613.9	8553.9	3.58391	µg/L	17.9196	µg/L
1	Ti 334.941	2519.5	2501.9	9.67737	µg/L	48.3869	µg/L
1	Tl 190.800	27.5	27.3	60.1420	µg/L	300.710	µg/L
1	V 292.402	-263.6	-261.8	0.439149	µg/L	2.19574	µg/L
1	Zn 206.200	14.0	13.9	4.81714	µg/L	24.0857	µg/L
2	Sc 357.253	400312.8	400312.8	100.7	µg/L		
2	Y 360.064	246306.4	246306.4	101.5	µg/L		
2	Ag 328.068	7.3	7.3	1.14665	µg/L	5.73327	µg/L
2	Al 396.140	2342.3	2325.8	303.201	µg/L	1516.01	µg/L
2	As 188.979	6.5	6.4	-12.1548	µg/L	-60.7738	µg/L
2	B 249.773	372.2	369.6	9.69288	µg/L	48.4644	µg/L
2	Ba 455.403	15005.4	14899.5	9.57857	µg/L	47.8929	µg/L
2	Be 234.861	90.2	89.5	-0.222184	µg/L	-1.11092	µg/L
2	Ca 315.887	33802.7	33564.3	3.43870	mg/L	17.1935	mg/L
2	Cd 214.438	44.3	44.0	-0.272646	µg/L	-1.36323	µg/L
2	Ce 413.765	-192.5	-191.2	3.08963	µg/L	0.0154481	mg/L

2 Co 228.616	-20.2	-20.1	-2.24996 µg/L	-11.2498 µg/L	
2 Cr 205.560	48.1	47.7	-0.850804 µg/L	-4.25402 µg/L	
2 Cu 327.394	16.6	16.4	4.54739 µg/L	22.7370 µg/L	
2 Fe 238.204	3818.5	3791.6	416.458 µg/L	2082.29 µg/L	
2 K 766.514	2548.3	2530.4	0.135118 mg/L	0.675590 mg/L	
2 Li 670.781	300.9	298.8	-2.21612 µg/L	-11.0806 µg/L	
2 Mg 279.074	545.2	541.3	0.432943 mg/L	2.16472 mg/L	
2 Mn 257.610	1670.1	1658.4	23.6101 µg/L	118.050 µg/L	
2 Mo 202.031	8.8	8.7	3.51514 µg/L	17.5757 µg/L	
2 Na 589.594	48943.8	48598.6	3.07043 mg/L	15.3521 mg/L	
2 Ni 231.603	88.7	88.1	3.35482 µg/L	16.7741 µg/L	
2 Pb 220.353	-5.8	-5.8	-6.79470 µg/L	-33.9735 µg/L	
2 Sb 206.831	0.6	0.6	5.79961 µg/L	28.9980 µg/L	
2 Se 196.026	71.3	70.8	59.2407 µg/L	296.204 µg/L	
2 Si 251.611	5117.6	5081.5	871.905 µg/L	4359.52 µg/L	
2 Sn 189.933	-1.2	-1.2	18.5769 µg/L	92.8844 µg/L	
2 Sr 407.771	8511.7	8451.6	3.51028 µg/L	17.5514 µg/L	
2 Ti 334.941	2487.8	2470.3	9.32512 µg/L	46.6256 µg/L	
2 Tl 190.800	17.9	17.8	1.37908 µg/L	6.89538 µg/L	
2 V 292.402	-230.5	-228.8	2.61515 µg/L	13.0757 µg/L	
2 Zn 206.200	16.4	16.3	5.93009 µg/L	29.6505 µg/L	

Mean Data

ID: 0b08006-srd1 Seq. No.: 21 Sample No.: 6 A/S Pos: 22
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 5.0
Data: Original Date: 2/8/10 8:42:04 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	400294.1	100.7	0.01	µg/L				0.01%
Y 360.064	246363.3	101.5	0.03	µg/L				0.03%
Ag 328.068	-15.6	0.218086	1.3131940	µg/L	1.09043	6.565970	µg/L	602.15%
Al 396.140	2367.1	308.720	7.8049	µg/L	1543.60	39.024	µg/L	2.53%
As 188.979	3.8	-27.8242	22.15994	µg/L	-139.121	110.7997	µg/L	79.64%
B 249.773	364.0	9.13052	0.795301	µg/L	45.6526	3.97651	µg/L	8.71%
Ba 455.403	14689.5	9.24133	0.476935	µg/L	46.2067	2.38468	µg/L	5.16%
Be 234.861	87.8	-0.242333	0.0284963	µg/L	-1.21167	0.142481	µg/L	11.76%
Ca 315.887	33552.9	3.43754	0.001637	mg/L	17.1877	0.00819	mg/L	0.05%
Cd 214.438	43.3	-0.373349	0.1424149	µg/L	-1.86674	0.712074	µg/L	38.15%
Ce 413.765	-182.1	4.50845	2.006512	µg/L	0.0225422	0.01003256	mg/L	44.51%
Co 228.616	-19.3	-2.00754	0.342836	µg/L	-10.0377	1.71418	µg/L	17.08%
Cr 205.560	45.3	-3.10076	3.181922	µg/L	-15.5038	15.90961	µg/L	102.62%
Cu 327.394	-33.4	1.06586	4.923638	µg/L	5.32928	24.618190	µg/L	461.94%
Fe 238.204	3764.4	413.395	4.3319	µg/L	2066.98	21.660	µg/L	1.05%
K 766.514	2515.3	0.130434	0.0066238	mg/L	0.652171	0.0331191	mg/L	5.08%
Li 670.781	299.0	-2.21472	0.001981	µg/L	-11.0736	0.00991	µg/L	0.09%
Mg 279.074	551.6	0.441380	0.0119314	mg/L	2.20690	0.059657	mg/L	2.70%
Mn 257.610	1655.5	23.5710	0.05528	µg/L	117.855	0.2764	µg/L	0.23%
Mo 202.031	8.4	3.03381	0.681416	µg/L	15.1665	3.40708	µg/L	22.46%
Na 589.594	48281.5	3.04897	0.030350	mg/L	15.2448	0.15175	mg/L	1.00%
Ni 231.603	89.4	4.11786	1.079103	µg/L	20.5893	5.39551	µg/L	26.21%
Pb 220.353	-3.9	0.153311	9.8259765	µg/L	0.766555	49.1298825	µg/L	>999.9%
Sb 206.831	2.0	13.3371	10.65967	µg/L	66.6857	53.29833	µg/L	79.92%
Se 196.026	77.0	107.302	67.9692	µg/L	536.511	339.8461	µg/L	63.34%
Si 251.611	5109.0	877.919	8.5048	µg/L	4389.59	42.524	µg/L	0.97%
Sn 189.933	-0.7	23.3594	6.76349	µg/L	116.797	33.8175	µg/L	28.95%
Sr 407.771	8502.8	3.54709	0.052067	µg/L	17.7355	0.26034	µg/L	1.47%
Ti 334.941	2486.1	9.50125	0.249079	µg/L	47.5062	1.24539	µg/L	2.62%
Tl 190.800	22.5	30.7605	41.55163	µg/L	153.803	207.7582	µg/L	135.08%
V 292.402	-245.3	1.52715	1.538664	µg/L	7.63574	7.693321	µg/L	100.75%
Zn 206.200	15.1	5.37362	0.786972	µg/L	26.8681	3.93486	µg/L	14.65%

Calibration Summary

Method: AQU_6010C_101 Date: 2/8/10 8:44:48 AM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
Ag 328.068	4	Linear	-21.0	24.6	0.00000	0.999980
Al 396.140	4	Linear	55.4	7.5	0.00000	0.999952
As 188.979	4	Linear	8.5	0.2	0.00000	0.999977
B 249.773	4	Linear	273.2	9.9	0.00000	0.999911

Ba 455.403	4	Linear	8933.0	622.9	0.00000	0.999942
Be 234.861	4	Linear	108.9	87.0	0.00000	0.999991
Ca 315.887	4	Linear	-320.7	9854.0	0.00000	0.999984
Cd 214.438	4	Linear	45.8	6.4	0.00000	0.999985
Ce 413.765	1	Linear	-211.0	6.4	0.00000	1.000000
Co 228.616	4	Linear	-12.8	3.2	0.00000	0.999985
Cr 205.560	4	Linear	48.7	1.1	0.00000	0.999944
Cu 327.394	4	Linear	-48.6	14.3	0.00000	0.999941
Fe 238.204	4	Linear	93.5	8.9	0.00000	1.000000
K 766.514	4	Linear	2095.6	3220.2	0.00000	0.999810
Li 670.781	4	Linear	647.9	157.5	0.00000	0.999956
Mg 279.074	4	Linear	12.7	1221.0	0.00000	0.999993
Mn 257.610	4	Linear	-78.4	73.6	0.00000	0.999992
Mo 202.031	3	Linear	6.4	0.6	0.00000	0.999973
Na 589.594	4	Linear	3238.1	14773.3	0.00000	0.999931
Ni 231.603	4	Linear	82.5	1.7	0.00000	0.999904
Pb 220.353	4	Linear	-4.0	0.3	0.00000	0.999402
Sb 206.831	4	Linear	-0.6	0.2	0.00000	0.999979
Se 196.026	4	Linear	63.0	0.1	0.00000	0.999578
Si 251.611	4	Linear	1099.8	4.6	0.00000	0.999959
Sn 189.933	4	Linear	-3.0	0.1	0.00000	0.999958
Sr 407.771	4	Linear	3574.6	1389.4	0.00000	0.999938
Ti 334.941	3	Linear	1632.4	89.9	0.00000	0.999993
Tl 190.800	4	Linear	17.6	0.2	0.00000	0.999925
V 292.402	4	Linear	-268.5	15.1	0.00000	0.999990
Zn 206.200	4	Linear	3.6	2.1	0.00000	0.999975

Method: AQU_6010C_101 IEC: IEC-35.IEC MSF:
Results: 0B08006 Spectra Stored: Yes Method Stored: Yes
Sample Info: 0b08006 User: User1 Date: 2/8/10 8:44:48 AM
Method Description: Aqueous 6010C

Calibration Summary
Method: AQU_6010C_101 Date: 2/8/10 8:45:26 AM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
Ag 328.068	4	Linear	-21.0	24.6	0.00000	0.999980
Al 396.140	4	Linear	55.4	7.5	0.00000	0.999952
As 188.979	4	Linear	8.5	0.2	0.00000	0.999977
B 249.773	4	Linear	273.2	9.9	0.00000	0.999911
Ba 455.403	4	Linear	8933.0	622.9	0.00000	0.999942
Be 234.861	4	Linear	108.9	87.0	0.00000	0.999991
Ca 315.887	4	Linear	-320.7	9854.0	0.00000	0.999984
Cd 214.438	4	Linear	45.8	6.4	0.00000	0.999985
Ce 413.765	1	Linear	-211.0	6.4	0.00000	1.000000
Co 228.616	4	Linear	-12.8	3.2	0.00000	0.999985
Cr 205.560	4	Linear	48.7	1.1	0.00000	0.999944
Cu 327.394	4	Linear	-48.6	14.3	0.00000	0.999941
Fe 238.204	4	Linear	93.5	8.9	0.00000	1.000000
K 766.514	4	Linear	2095.6	3220.2	0.00000	0.999810
Li 670.781	4	Linear	647.9	157.5	0.00000	0.999956
Mg 279.074	4	Linear	12.7	1221.0	0.00000	0.999993
Mn 257.610	4	Linear	-78.4	73.6	0.00000	0.999992
Mo 202.031	3	Linear	6.4	0.6	0.00000	0.999973
Na 589.594	4	Linear	3238.1	14773.3	0.00000	0.999931
Ni 231.603	4	Linear	82.5	1.7	0.00000	0.999904
Pb 220.353	4	Linear	-4.0	0.3	0.00000	0.999402
Sb 206.831	4	Linear	-0.6	0.2	0.00000	0.999979
Se 196.026	4	Linear	63.0	0.1	0.00000	0.999578
Si 251.611	4	Linear	1099.8	4.6	0.00000	0.999959
Sn 189.933	4	Linear	-3.0	0.1	0.00000	0.999958
Sr 407.771	4	Linear	3574.6	1389.4	0.00000	0.999938
Ti 334.941	3	Linear	1632.4	89.9	0.00000	0.999993
Tl 190.800	4	Linear	17.6	0.2	0.00000	0.999925
V 292.402	4	Linear	-268.5	15.1	0.00000	0.999990
Zn 206.200	4	Linear	3.6	2.1	0.00000	0.999975

Replicate Data
ID: 1000900-ps1 Date: 2/8/10 8:47:05 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	398326.6	398326.6	100.2	µg/L		
1	Y 360.064	244021.1	244021.1	100.6	µg/L		
1	Ag 328.068	5985.2	5972.6	243.293	µg/L	243.293	µg/L
1	Al 396.140	21283.4	21238.6	2829.00	µg/L	2829.00	µg/L
1	As 188.979	219.6	219.1	1234.81	µg/L	1234.81	µg/L
1	B 249.773	3364.0	3356.9	310.145	µg/L	310.145	µg/L
1	Ba 455.403	190027.3	189627.9	290.085	µg/L	290.085	µg/L
1	Be 234.861	2295.7	2290.9	25.0767	µg/L	25.0767	µg/L
1	Ca 315.887	287502.6	286898.3	29.1479	mg/L	29.1479	mg/L
1	Cd 214.438	1645.6	1642.1	247.521	µg/L	247.521	µg/L
1	Ce 413.765	-215.6	-215.2	-0.654997	µg/L	-0.0006550	mg/L
1	Co 228.616	785.5	783.8	246.475	µg/L	246.475	µg/L
1	Cr 205.560	330.8	330.1	255.957	µg/L	255.957	µg/L
1	Cu 327.394	3553.4	3546.0	251.223	µg/L	251.223	µg/L
1	Fe 238.204	20184.7	20142.2	2257.79	µg/L	2257.79	µg/L
1	K 766.514	44023.4	43930.9	12.9939	mg/L	12.9939	mg/L
1	Li 670.781	39106.0	39023.8	243.607	µg/L	243.607	µg/L
1	Mg 279.074	18063.4	18025.4	14.7531	mg/L	14.7531	mg/L
1	Mn 257.610	27359.8	27302.3	372.233	µg/L	372.233	µg/L
1	Mo 202.031	165.9	165.6	245.764	µg/L	245.764	µg/L
1	Na 589.594	404371.6	403521.7	27.0969	mg/L	27.0969	mg/L
1	Ni 231.603	532.5	531.4	266.123	µg/L	266.123	µg/L
1	Pb 220.353	65.2	65.1	260.431	µg/L	260.431	µg/L
1	Sb 206.831	243.4	242.8	1260.07	µg/L	1260.07	µg/L
1	Se 196.026	237.6	237.1	1332.84	µg/L	1332.84	µg/L
1	Si 251.611	26398.4	26342.9	5527.64	µg/L	5527.64	µg/L
1	Sn 189.933	118.9	118.6	1246.95	µg/L	1246.95	µg/L
1	Sr 407.771	381788.4	380985.9	271.645	µg/L	271.645	µg/L
1	Ti 334.941	27966.3	27907.5	292.420	µg/L	292.420	µg/L
1	Tl 190.800	226.6	226.1	1287.92	µg/L	1287.92	µg/L
1	V 292.402	3573.3	3565.8	253.099	µg/L	253.099	µg/L
1	Zn 206.200	602.8	601.6	278.999	µg/L	278.999	µg/L
2	Sc 357.253	401229.7	401229.7	100.9	µg/L		
2	Y 360.064	245815.0	245815.0	101.3	µg/L		
2	Ag 328.068	5992.8	5936.9	241.845	µg/L	241.845	µg/L
2	Al 396.140	21668.9	21466.9	2859.49	µg/L	2859.49	µg/L
2	As 188.979	214.3	212.3	1194.61	µg/L	1194.61	µg/L
2	B 249.773	3446.8	3414.6	315.947	µg/L	315.947	µg/L
2	Ba 455.403	192653.6	190857.6	292.060	µg/L	292.060	µg/L
2	Be 234.861	2311.3	2289.7	25.0629	µg/L	25.0629	µg/L
2	Ca 315.887	291831.8	289111.3	29.3724	mg/L	29.3724	mg/L
2	Cd 214.438	1653.7	1638.3	246.919	µg/L	246.919	µg/L
2	Ce 413.765	-183.3	-181.6	4.57753	µg/L	0.0045775	mg/L
2	Co 228.616	809.6	802.0	252.108	µg/L	252.108	µg/L
2	Cr 205.560	335.7	332.6	258.217	µg/L	258.217	µg/L
2	Cu 327.394	3597.7	3564.2	252.498	µg/L	252.498	µg/L
2	Fe 238.204	20403.1	20212.9	2265.75	µg/L	2265.75	µg/L
2	K 766.514	44563.9	44148.4	13.0615	mg/L	13.0615	mg/L
2	Li 670.781	39756.7	39386.1	245.907	µg/L	245.907	µg/L
2	Mg 279.074	18204.6	18034.9	14.7610	mg/L	14.7610	mg/L
2	Mn 257.610	27501.7	27245.3	371.459	µg/L	371.459	µg/L
2	Mo 202.031	180.4	178.7	266.023	µg/L	266.023	µg/L
2	Na 589.594	409420.7	405604.1	27.2378	mg/L	27.2378	mg/L
2	Ni 231.603	516.2	511.3	254.252	µg/L	254.252	µg/L
2	Pb 220.353	72.3	71.7	285.311	µg/L	285.311	µg/L
2	Sb 206.831	246.6	244.3	1267.55	µg/L	1267.55	µg/L
2	Se 196.026	239.2	237.0	1331.72	µg/L	1331.72	µg/L
2	Si 251.611	26621.2	26373.0	5534.23	µg/L	5534.23	µg/L
2	Sn 189.933	120.0	118.9	1250.17	µg/L	1250.17	µg/L
2	Sr 407.771	387517.6	383905.1	273.746	µg/L	273.746	µg/L
2	Ti 334.941	28266.1	28002.6	293.479	µg/L	293.479	µg/L
2	Tl 190.800	226.7	224.6	1278.18	µg/L	1278.18	µg/L
2	V 292.402	3576.1	3542.7	251.576	µg/L	251.576	µg/L
2	Zn 206.200	606.9	601.3	278.861	µg/L	278.861	µg/L

Mean Data

ID: 1000900-ps1 Seq. No.: 16 Sample No.: 7 A/S Pos: 23

Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 8:47:05 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	399778.2	100.6	0.52	µg/L				0.51%
Y 360.064	244918.0	100.9	0.52	µg/L				0.52%
Ag 328.068	5954.8	242.569	1.0234	µg/L	242.569	1.0234	µg/L	0.42%
Al 396.140	21352.8	2844.24	21.561	µg/L	2844.24	21.561	µg/L	0.76%
As 188.979	215.7	1214.71	28.432	µg/L	1214.71	28.432	µg/L	2.34%
B 249.773	3385.8	313.046	4.1026	µg/L	313.046	4.1026	µg/L	1.31%
Ba 455.403	190242.7	291.073	1.3960	µg/L	291.073	1.3960	µg/L	0.48%
Be 234.861	2290.3	25.0698	0.00975	µg/L	25.0698	0.00975	µg/L	0.04%
Ca 315.887	288004.8	29.2602	0.15875	mg/L	29.2602	0.15875	mg/L	0.54%
Cd 214.438	1640.2	247.220	0.4254	µg/L	247.220	0.4254	µg/L	0.17%
Ce 413.765	-198.4	1.96127	3.699955	µg/L	0.0019613	0.00369995	mg/L	188.65%
Co 228.616	792.9	249.292	3.9828	µg/L	249.292	3.9828	µg/L	1.60%
Cr 205.560	331.3	257.087	1.5976	µg/L	257.087	1.5976	µg/L	0.62%
Cu 327.394	3555.1	251.860	0.9019	µg/L	251.860	0.9019	µg/L	0.36%
Fe 238.204	20177.5	2261.77	5.625	µg/L	2261.77	5.625	µg/L	0.25%
K 766.514	44039.7	13.0277	0.04777	mg/L	13.0277	0.04777	mg/L	0.37%
Li 670.781	39204.9	244.757	1.6264	µg/L	244.757	1.6264	µg/L	0.66%
Mg 279.074	18030.2	14.7571	0.00554	mg/L	14.7571	0.00554	mg/L	0.04%
Mn 257.610	27273.8	371.846	0.5476	µg/L	371.846	0.5476	µg/L	0.15%
Mo 202.031	172.1	255.894	14.3252	µg/L	255.894	14.3252	µg/L	5.60%
Na 589.594	404562.9	27.1673	0.09965	mg/L	27.1673	0.09965	mg/L	0.37%
Ni 231.603	521.4	260.187	8.3942	µg/L	260.187	8.3942	µg/L	3.23%
Pb 220.353	68.4	272.871	17.5928	µg/L	272.871	17.5928	µg/L	6.45%
Sb 206.831	243.6	1263.81	5.292	µg/L	1263.81	5.292	µg/L	0.42%
Se 196.026	237.1	1332.28	0.795	µg/L	1332.28	0.795	µg/L	0.06%
Si 251.611	26357.9	5530.93	4.660	µg/L	5530.93	4.660	µg/L	0.08%
Sn 189.933	118.8	1248.56	2.274	µg/L	1248.56	2.274	µg/L	0.18%
Sr 407.771	382445.5	272.695	1.4857	µg/L	272.695	1.4857	µg/L	0.54%
Ti 334.941	27955.1	292.949	0.7487	µg/L	292.949	0.7487	µg/L	0.26%
Tl 190.800	225.3	1283.05	6.883	µg/L	1283.05	6.883	µg/L	0.54%
V 292.402	3554.3	252.338	1.0766	µg/L	252.338	1.0766	µg/L	0.43%
Zn 206.200	601.4	278.930	0.0975	µg/L	278.930	0.0975	µg/L	0.03%

Replicate Data

ID: 1002004-02 Date: 2/8/10 8:50:28 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	403607.6	403607.6	101.5	µg/L		
1	Y 360.064	248142.0	248142.0	102.3	µg/L		
1	Ag 328.068	-31.4	-31.0	-0.405390	µg/L	-0.405390	µg/L
1	Al 396.140	10612.0	10451.2	1388.34	µg/L	1388.34	µg/L
1	As 188.979	3.2	3.2	-31.3453	µg/L	-31.3453	µg/L
1	B 249.773	4534.5	4465.8	421.668	µg/L	421.668	µg/L
1	Ba 455.403	21908.1	21576.0	20.2968	µg/L	20.2968	µg/L
1	Be 234.861	128.5	126.5	0.202737	µg/L	0.202737	µg/L
1	Ca 315.887	15137.0	14907.5	1.54539	mg/L	1.54539	mg/L
1	Cd 214.438	49.8	49.0	0.506357	µg/L	0.506357	µg/L
1	Ce 413.765	-234.1	-230.6	-3.05426	µg/L	-0.0030543	mg/L
1	Co 228.616	-25.1	-24.7	-3.67336	µg/L	-3.67336	µg/L
1	Cr 205.560	54.9	54.0	4.88301	µg/L	4.88301	µg/L
1	Cu 327.394	39.2	38.6	6.09487	µg/L	6.09487	µg/L
1	Fe 238.204	18904.2	18617.6	2086.10	µg/L	2086.10	µg/L
1	K 766.514	3340.7	3290.1	0.371376	mg/L	0.371376	mg/L
1	Li 670.781	478.1	470.9	-1.12366	µg/L	-1.12366	µg/L
1	Mg 279.074	770.7	759.0	0.609254	mg/L	0.609254	mg/L
1	Mn 257.610	11825.3	11646.1	159.391	µg/L	159.391	µg/L
1	Mo 202.031	-1.0	-1.0	-11.4188	µg/L	-11.4188	µg/L
1	Na 589.594	96796.4	95329.1	6.23359	mg/L	6.23359	mg/L
1	Ni 231.603	96.7	95.3	7.59797	µg/L	7.59797	µg/L
1	Pb 220.353	-7.4	-7.3	-12.6184	µg/L	-12.6184	µg/L
1	Sb 206.831	-0.3	-0.3	1.35489	µg/L	1.35489	µg/L
1	Se 196.026	85.8	84.5	164.806	µg/L	164.806	µg/L
1	Si 251.611	16817.5	16562.6	3385.99	µg/L	3385.99	µg/L
1	Sn 189.933	-1.4	-1.4	17.0618	µg/L	17.0618	µg/L
1	Sr 407.771	5781.1	5693.5	1.52507	µg/L	1.52507	µg/L

1 Ti 334.941	4900.9	4826.6	35.5493 µg/L	35.5493 µg/L	
1 Tl 190.800	21.4	21.1	21.8037 µg/L	21.8037 µg/L	
1 V 292.402	-264.6	-260.6	0.521077 µg/L	0.521077 µg/L	
1 Zn 206.200	39.4	38.8	16.4328 µg/L	16.4328 µg/L	
2 Sc 357.253	404502.0	404502.0	101.8 µg/L		
2 Y 360.064	248731.4	248731.4	102.5 µg/L		
2 Ag 328.068	-46.3	-45.5	-0.994055 µg/L	-0.994055 µg/L	
2 Al 396.140	10716.3	10530.5	1398.94 µg/L	1398.94 µg/L	
2 As 188.979	-2.4	-2.3	-63.5624 µg/L	-63.5624 µg/L	
2 B 249.773	4592.1	4512.5	426.365 µg/L	426.365 µg/L	
2 Ba 455.403	21969.1	21588.3	20.3166 µg/L	20.3166 µg/L	
2 Be 234.861	128.5	126.2	0.199585 µg/L	0.199585 µg/L	
2 Ca 315.887	15118.9	14856.7	1.54023 mg/L	1.54023 mg/L	
2 Cd 214.438	61.7	60.7	2.31039 µg/L	2.31039 µg/L	
2 Ce 413.765	-120.6	-118.5	14.4221 µg/L	0.0144221 mg/L	
2 Co 228.616	-16.9	-16.6	-1.16556 µg/L	-1.16556 µg/L	
2 Cr 205.560	52.1	51.2	2.29992 µg/L	2.29992 µg/L	
2 Cu 327.394	44.9	44.1	6.47994 µg/L	6.47994 µg/L	
2 Fe 238.204	18973.8	18644.9	2089.17 µg/L	2089.17 µg/L	
2 K 766.514	3409.6	3350.5	0.390122 mg/L	0.390122 mg/L	
2 Li 670.781	512.0	503.1	-0.919015 µg/L	-0.919015 µg/L	
2 Mg 279.074	784.4	770.8	0.618878 mg/L	0.618878 mg/L	
2 Mn 257.610	11835.1	11629.9	159.171 µg/L	159.171 µg/L	
2 Mo 202.031	4.1	4.0	-3.77428 µg/L	-3.77428 µg/L	
2 Na 589.594	97845.0	96148.8	6.28908 mg/L	6.28908 mg/L	
2 Ni 231.603	95.2	93.5	6.55282 µg/L	6.55282 µg/L	
2 Pb 220.353	-9.0	-8.9	-18.4941 µg/L	-18.4941 µg/L	
2 Sb 206.831	6.4	6.3	35.6265 µg/L	35.6265 µg/L	
2 Se 196.026	68.4	67.2	32.1717 µg/L	32.1717 µg/L	
2 Si 251.611	16786.4	16495.3	3371.26 µg/L	3371.26 µg/L	
2 Sn 189.933	0.2	0.2	32.6778 µg/L	32.6778 µg/L	
2 Sr 407.771	5759.0	5659.2	1.50041 µg/L	1.50041 µg/L	
2 Ti 334.941	4944.0	4858.3	35.9015 µg/L	35.9015 µg/L	
2 Tl 190.800	14.6	14.4	-19.6188 µg/L	-19.6188 µg/L	
2 V 292.402	-245.3	-241.1	1.80641 µg/L	1.80641 µg/L	
2 Zn 206.200	33.7	33.1	13.7634 µg/L	13.7634 µg/L	

Mean Data

ID: 1002004-02 Seq. No.: 17 Sample No.: 8 A/S Pos: 24
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 8:50:28 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	404054.8	101.7	0.16	µg/L				0.16%
Y 360.064	248436.7	102.4	0.17	µg/L				0.17%
Ag 328.068	-38.2	-0.699723	0.4162491	µg/L	-0.699723	0.4162491	µg/L	59.49%
Al 396.140	10490.8	1393.64	7.495	µg/L	1393.64	7.495	µg/L	0.54%
As 188.979	0.4	-47.4538	22.78094	µg/L	-47.4538	22.78094	µg/L	48.01%
B 249.773	4489.1	424.016	3.3212	µg/L	424.016	3.3212	µg/L	0.78%
Ba 455.403	21582.1	20.3067	0.01394	µg/L	20.3067	0.01394	µg/L	0.07%
Be 234.861	126.4	0.201161	0.0022284	µg/L	0.201161	0.0022284	µg/L	1.11%
Ca 315.887	14882.1	1.54281	0.003643	mg/L	1.54281	0.003643	mg/L	0.24%
Cd 214.438	54.8	1.40837	1.275641	µg/L	1.40837	1.275641	µg/L	90.58%
Ce 413.765	-174.5	5.68390	12.357622	µg/L	0.0056839	0.01235762	mg/L	217.41%
Co 228.616	-20.6	-2.41946	1.773287	µg/L	-2.41946	1.773287	µg/L	73.29%
Cr 205.560	52.6	3.59146	1.826521	µg/L	3.59146	1.826521	µg/L	50.86%
Cu 327.394	41.3	6.28740	0.272285	µg/L	6.28740	0.272285	µg/L	4.33%
Fe 238.204	18631.3	2087.63	2.169	µg/L	2087.63	2.169	µg/L	0.10%
K 766.514	3320.3	0.380749	0.0132557	mg/L	0.380749	0.0132557	mg/L	3.48%
Li 670.781	487.0	-1.02134	0.144708	µg/L	-1.02134	0.144708	µg/L	14.17%
Mg 279.074	764.9	0.614066	0.0068053	mg/L	0.614066	0.0068053	mg/L	1.11%
Mn 257.610	11638.0	159.281	0.1555	µg/L	159.281	0.1555	µg/L	0.10%
Mo 202.031	1.5	-7.59653	5.405471	µg/L	-7.59653	5.405471	µg/L	71.16%
Na 589.594	95738.9	6.26133	0.039233	mg/L	6.26133	0.039233	mg/L	0.63%
Ni 231.603	94.4	7.07540	0.739032	µg/L	7.07540	0.739032	µg/L	10.45%
Pb 220.353	-8.1	-15.5563	4.15479	µg/L	-15.5563	4.15479	µg/L	26.71%
Sb 206.831	3.0	18.4907	24.23369	µg/L	18.4907	24.23369	µg/L	131.06%
Se 196.026	75.9	98.4887	93.78639	µg/L	98.4887	93.78639	µg/L	95.23%
Si 251.611	16529.0	3378.62	10.415	µg/L	3378.62	10.415	µg/L	0.31%
Sn 189.933	-0.6	24.8698	11.04216	µg/L	24.8698	11.04216	µg/L	44.40%

Sr 407.771	5676.3	1.51274	0.017440 µg/L	1.51274	0.017440 µg/L	1.15%
Ti 334.941	4842.5	35.7254	0.24905 µg/L	35.7254	0.24905 µg/L	0.70%
Tl 190.800	17.7	1.09245	29.290147 µg/L	1.09245	29.290147 µg/L	>999.9%
V 292.402	-250.8	1.16374	0.908865 µg/L	1.16374	0.908865 µg/L	78.10%
Zn 206.200	36.0	15.0981	1.88754 µg/L	15.0981	1.88754 µg/L	12.50%

Replicate Data

ID: 1002004-03 Date: 2/8/10 8:53:51 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	410549.6	410549.6	103.3	µg/L		
1	Y 360.064	252160.3	252160.3	103.9	µg/L		
1	Ag 328.068	-40.5	-39.3	-0.741781	µg/L	-0.741781	µg/L
1	Al 396.140	1323.1	1281.0	163.678	µg/L	163.678	µg/L
1	As 188.979	-2.3	-2.2	-63.0801	µg/L	-63.0801	µg/L
1	B 249.773	1842.1	1783.5	151.891	µg/L	151.891	µg/L
1	Ba 455.403	56758.8	54953.2	73.8802	µg/L	73.8802	µg/L
1	Be 234.861	108.9	105.4	-0.0399723	µg/L	-0.0399723	µg/L
1	Ca 315.887	245028.0	237233.3	24.1073	mg/L	24.1073	mg/L
1	Cd 214.438	51.4	49.8	0.626997	µg/L	0.626997	µg/L
1	Ce 413.765	-224.0	-216.9	-0.924713	µg/L	-0.0009247	mg/L
1	Co 228.616	-15.0	-14.5	-0.527014	µg/L	-0.527014	µg/L
1	Cr 205.560	49.3	47.8	-0.816385	µg/L	-0.816385	µg/L
1	Cu 327.394	25.6	24.8	5.13083	µg/L	5.13083	µg/L
1	Fe 238.204	3190.8	3089.2	337.364	µg/L	337.364	µg/L
1	K 766.514	25837.7	25015.8	7.11846	mg/L	7.11846	mg/L
1	Li 670.781	418.2	404.9	-1.54282	µg/L	-1.54282	µg/L
1	Mg 279.074	2691.2	2605.6	2.12657	mg/L	2.12657	mg/L
1	Mn 257.610	461.4	446.7	7.13851	µg/L	7.13851	µg/L
1	Mo 202.031	17.6	17.0	16.3933	µg/L	16.3933	µg/L
1	Na 589.594	79645.6	77111.9	5.00162	mg/L	5.00162	mg/L
1	Ni 231.603	111.2	107.6	14.9246	µg/L	14.9246	µg/L
1	Pb 220.353	-1.4	-1.4	9.61892	µg/L	9.61892	µg/L
1	Sb 206.831	8.8	8.5	46.8501	µg/L	46.8501	µg/L
1	Se 196.026	72.6	70.3	55.4515	µg/L	55.4515	µg/L
1	Si 251.611	13455.1	13027.1	2611.79	µg/L	2611.79	µg/L
1	Sn 189.933	-5.5	-5.4	-24.0551	µg/L	-24.0551	µg/L
1	Sr 407.771	60608.4	58680.4	39.6628	µg/L	39.6628	µg/L
1	Ti 334.941	2180.6	2111.3	5.32951	µg/L	5.32951	µg/L
1	Tl 190.800	14.6	14.1	-21.3190	µg/L	-21.3190	µg/L
1	V 292.402	-251.6	-243.6	1.64038	µg/L	1.64038	µg/L
1	Zn 206.200	19.9	19.3	7.31886	µg/L	7.31886	µg/L
2	Sc 357.253	405452.8	405452.8	102.0	µg/L		
2	Y 360.064	249135.4	249135.4	102.7	µg/L		
2	Ag 328.068	-11.9	-11.7	0.377594	µg/L	0.377594	µg/L
2	Al 396.140	1321.1	1295.1	165.560	µg/L	165.560	µg/L
2	As 188.979	12.6	12.4	22.6623	µg/L	22.6623	µg/L
2	B 249.773	1814.8	1779.2	151.463	µg/L	151.463	µg/L
2	Ba 455.403	56739.1	55624.7	74.9583	µg/L	74.9583	µg/L
2	Be 234.861	118.3	116.0	0.0813524	µg/L	0.0813524	µg/L
2	Ca 315.887	245933.3	241103.0	24.5000	mg/L	24.5000	mg/L
2	Cd 214.438	47.0	46.1	0.0467009	µg/L	0.0467009	µg/L
2	Ce 413.765	-131.3	-128.7	12.8251	µg/L	0.0128251	mg/L
2	Co 228.616	-2.0	-1.9	3.36764	µg/L	3.36764	µg/L
2	Cr 205.560	59.1	57.9	8.43918	µg/L	8.43918	µg/L
2	Cu 327.394	-37.7	-36.9	0.817546	µg/L	0.817546	µg/L
2	Fe 238.204	3262.6	3198.5	349.672	µg/L	349.672	µg/L
2	K 766.514	25779.8	25273.5	7.19849	mg/L	7.19849	mg/L
2	Li 670.781	435.1	426.6	-1.40503	µg/L	-1.40503	µg/L
2	Mg 279.074	2701.7	2648.7	2.16190	mg/L	2.16190	mg/L
2	Mn 257.610	489.6	480.0	7.59104	µg/L	7.59104	µg/L
2	Mo 202.031	10.4	10.2	5.82301	µg/L	5.82301	µg/L
2	Na 589.594	80044.7	78472.5	5.09374	mg/L	5.09374	mg/L
2	Ni 231.603	99.5	97.5	8.91818	µg/L	8.91818	µg/L
2	Pb 220.353	-2.1	-2.0	7.30658	µg/L	7.30658	µg/L
2	Sb 206.831	7.6	7.5	41.5723	µg/L	41.5723	µg/L
2	Se 196.026	70.3	68.9	45.3139	µg/L	45.3139	µg/L
2	Si 251.611	13613.0	13345.7	2681.55	µg/L	2681.55	µg/L
2	Sn 189.933	-6.3	-6.2	-32.1235	µg/L	-32.1235	µg/L

2 Sr 407.771	60909.9	59713.6	40.4065 µg/L	40.4065 µg/L	
2 Ti 334.941	2205.8	2162.5	5.89990 µg/L	5.89990 µg/L	
2 Tl 190.800	10.0	9.8	-48.1287 µg/L	-48.1287 µg/L	
2 V 292.402	-330.8	-324.3	-3.68541 µg/L	-3.68541 µg/L	
2 Zn 206.200	27.2	26.7	10.7508 µg/L	10.7508 µg/L	

Mean Data

ID: 1002004-03 Seq. No.: 18 Sample No.: 9 A/S Pos: 25
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 8:53:51 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	408001.2	102.6	0.91	µg/L				0.88%
Y 360.064	250647.8	103.3	0.88	µg/L				0.85%
Ag 328.068	-25.5	-0.182093	0.7915179	µg/L	-0.182093	0.7915179	µg/L	434.68%
Al 396.140	1288.1	164.619	1.3311	µg/L	164.619	1.3311	µg/L	0.81%
As 188.979	5.1	-20.2089	60.62904	µg/L	-20.2089	60.62904	µg/L	300.01%
B 249.773	1781.3	151.677	0.3029	µg/L	151.677	0.3029	µg/L	0.20%
Ba 455.403	55288.9	74.4193	0.76229	µg/L	74.4193	0.76229	µg/L	1.02%
Be 234.861	110.7	0.0206901	0.08578951	µg/L	0.0206901	0.08578951	µg/L	414.64%
Ca 315.887	239168.1	24.3037	0.27768	mg/L	24.3037	0.27768	mg/L	1.14%
Cd 214.438	47.9	0.336849	0.4103316	µg/L	0.336849	0.4103316	µg/L	121.81%
Ce 413.765	-172.8	5.95018	9.722566	µg/L	0.0059502	0.00972257	mg/L	163.40%
Co 228.616	-8.2	1.42031	2.753935	µg/L	1.42031	2.753935	µg/L	193.90%
Cr 205.560	52.9	3.81139	6.544670	µg/L	3.81139	6.544670	µg/L	171.71%
Cu 327.394	-6.1	2.97419	3.049950	µg/L	2.97419	3.049950	µg/L	102.55%
Fe 238.204	3143.9	343.518	8.7033	µg/L	343.518	8.7033	µg/L	2.53%
K 766.514	25144.6	7.15848	0.056592	mg/L	7.15848	0.056592	mg/L	0.79%
Li 670.781	415.7	-1.47393	0.097436	µg/L	-1.47393	0.097436	µg/L	6.61%
Mg 279.074	2627.1	2.14423	0.024982	mg/L	2.14423	0.024982	mg/L	1.17%
Mn 257.610	463.4	7.36477	0.319987	µg/L	7.36477	0.319987	µg/L	4.34%
Mo 202.031	13.6	11.1081	7.47430	µg/L	11.1081	7.47430	µg/L	67.29%
Na 589.594	77792.2	5.04768	0.065138	mg/L	5.04768	0.065138	mg/L	1.29%
Ni 231.603	102.6	11.9214	4.24721	µg/L	11.9214	4.24721	µg/L	35.63%
Pb 220.353	-1.7	8.46275	1.635072	µg/L	8.46275	1.635072	µg/L	19.32%
Sb 206.831	8.0	44.2112	3.73196	µg/L	44.2112	3.73196	µg/L	8.44%
Se 196.026	69.6	50.3827	7.16832	µg/L	50.3827	7.16832	µg/L	14.23%
Si 251.611	13186.4	2646.67	49.331	µg/L	2646.67	49.331	µg/L	1.86%
Sn 189.933	-5.8	-28.0893	5.70525	µg/L	-28.0893	5.70525	µg/L	20.31%
Sr 407.771	59197.0	40.0346	0.52585	µg/L	40.0346	0.52585	µg/L	1.31%
Ti 334.941	2136.9	5.61471	0.403331	µg/L	5.61471	0.403331	µg/L	7.18%
Tl 190.800	11.9	-34.7239	18.95729	µg/L	-34.7239	18.95729	µg/L	54.59%
V 292.402	-283.9	-1.02251	3.765900	µg/L	-1.02251	3.765900	µg/L	368.30%
Zn 206.200	23.0	9.03482	2.426732	µg/L	9.03482	2.426732	µg/L	26.86%

Replicate Data

ID: 0B08006-CCV Date: 2/8/10 8:57:16 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	412454.3	412454.3	103.8	µg/L		
1	Y 360.064	253405.6	253405.6	104.4	µg/L		
1	Ag 328.068	12633.8	12175.4	495.078	µg/L		
1	Al 396.140	19324.7	18623.5	2479.75	µg/L		
1	As 188.979	457.0	440.4	2532.31	µg/L		
1	B 249.773	5266.8	5075.7	483.007	µg/L		
1	Ba 455.403	328133.7	316228.2	493.328	µg/L		
1	Be 234.861	4630.8	4462.7	50.0362	µg/L		
1	Ca 315.887	50669.9	48831.5	4.98586	mg/L		
1	Cd 214.438	3410.6	3286.8	502.530	µg/L		
1	Ce 413.765	-221.7	-213.6	-0.412422	µg/L		
1	Co 228.616	1678.4	1617.5	504.414	µg/L		
1	Cr 205.560	631.0	608.1	508.854	µg/L		
1	Cu 327.394	7229.0	6966.8	490.299	µg/L		
1	Fe 238.204	4734.4	4562.6	503.290	µg/L		
1	K 766.514	18878.9	18193.9	4.99998	mg/L		
1	Li 670.781	81150.6	78206.2	492.333	µg/L		
1	Mg 279.074	6425.6	6192.5	5.06101	mg/L		
1	Mn 257.610	37849.1	36475.9	496.946	µg/L		
1	Mo 202.031	343.0	330.5	500.556	µg/L		

1	Na 589.594	79330.4	76452.1	4.95470	mg/L
1	Ni 231.603	965.0	930.0	502.422	µg/L
1	Pb 220.353	143.6	138.4	537.221	µg/L
1	Sb 206.831	500.5	482.3	2499.83	µg/L
1	Se 196.026	403.6	389.0	2494.94	µg/L
1	Si 251.611	12662.7	12203.3	2431.39	µg/L
1	Sn 189.933	257.8	248.5	2578.45	µg/L
1	Sr 407.771	719869.8	693751.1	496.760	µg/L
1	Ti 334.941	47565.0	45839.2	491.985	µg/L
1	Tl 190.800	435.0	419.2	2480.37	µg/L
1	V 292.402	7590.3	7314.9	500.574	µg/L
1	Zn 206.200	1133.4	1092.3	507.940	µg/L
2	Sc 357.253	412189.3	412189.3	103.7	µg/L
2	Y 360.064	253419.4	253419.4	104.4	µg/L
2	Ag 328.068	12718.1	12264.6	498.699	µg/L
2	Al 396.140	19477.4	18782.7	2501.01	µg/L
2	As 188.979	448.9	432.8	2487.97	µg/L
2	B 249.773	5309.5	5120.2	487.482	µg/L
2	Ba 455.403	330155.5	318381.2	496.784	µg/L
2	Be 234.861	4567.6	4404.7	49.3689	µg/L
2	Ca 315.887	50628.8	48823.3	4.98504	mg/L
2	Cd 214.438	3393.7	3272.7	500.341	µg/L
2	Ce 413.765	-226.8	-218.7	-1.20178	µg/L
2	Co 228.616	1655.8	1596.7	497.984	µg/L
2	Cr 205.560	623.7	601.4	502.771	µg/L
2	Cu 327.394	7255.0	6996.3	492.362	µg/L
2	Fe 238.204	4726.8	4558.2	502.792	µg/L
2	K 766.514	18885.6	18212.1	5.00562	mg/L
2	Li 670.781	81472.5	78567.0	494.623	µg/L
2	Mg 279.074	6403.9	6175.6	5.04712	mg/L
2	Mn 257.610	37894.4	36543.0	497.859	µg/L
2	Mo 202.031	343.5	331.3	501.697	µg/L
2	Na 589.594	79537.4	76700.9	4.97153	mg/L
2	Ni 231.603	961.9	927.6	500.996	µg/L
2	Pb 220.353	133.1	128.3	499.238	µg/L
2	Sb 206.831	503.5	485.5	2516.39	µg/L
2	Se 196.026	409.8	395.2	2542.86	µg/L
2	Si 251.611	12813.0	12356.1	2464.86	µg/L
2	Sn 189.933	254.1	245.0	2543.08	µg/L
2	Sr 407.771	724539.0	698699.8	500.322	µg/L
2	Ti 334.941	47626.4	45927.9	492.972	µg/L
2	Tl 190.800	454.7	438.5	2599.37	µg/L
2	V 292.402	7467.8	7201.4	493.087	µg/L
2	Zn 206.200	1119.5	1079.6	502.016	µg/L

Mean Data

ID: 0B08006-CCV Seq. No.: 19 Sample No.: 8 A/S Pos: 4
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 8:57:16 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Sc 357.253	412321.8	103.7	0.05	µg/L				0.05%
Y 360.064	253412.5	104.4	0.00	µg/L				0.00%
Ag 328.068	12220.0	496.888	2.5606	µg/L				0.52%
Al 396.140	18703.1	2490.38	15.035	µg/L				0.60%
As 188.979	436.6	2510.14	31.351	µg/L				1.25%
B 249.773	5097.9	485.244	3.1646	µg/L				0.65%
Ba 455.403	317304.7	495.056	2.4441	µg/L				0.49%
Be 234.861	4433.7	49.7026	0.47186	µg/L				0.95%
Ca 315.887	48827.4	4.98545	0.000578	mg/L				0.01%
Cd 214.438	3279.8	501.435	1.5479	µg/L				0.31%
Ce 413.765	-216.2	-0.807101	0.5581602	µg/L				69.16%
Co 228.616	1607.1	501.199	4.5463	µg/L				0.91%
Cr 205.560	604.8	505.813	4.3010	µg/L				0.85%
Cu 327.394	6981.5	491.330	1.4587	µg/L				0.30%
Fe 238.204	4560.4	503.041	0.3522	µg/L				0.07%
K 766.514	18203.0	5.00280	0.003990	mg/L				0.08%
Li 670.781	78386.6	493.478	1.6194	µg/L				0.33%
Mg 279.074	6184.0	5.05407	0.009828	mg/L				0.19%
Mn 257.610	36509.4	497.403	0.6454	µg/L				0.13%

Mo 202.031	330.9	501.127	0.8069 µg/L	0.16%
Na 589.594	76576.5	4.96312	0.011906 mg/L	0.24%
Ni 231.603	928.8	501.709	1.0080 µg/L	0.20%
Pb 220.353	133.4	518.230	26.8580 µg/L	5.18%
Sb 206.831	483.9	2508.11	11.709 µg/L	0.47%
Se 196.026	392.1	2518.90	33.886 µg/L	1.35%
Si 251.611	12279.7	2448.13	23.664 µg/L	0.97%
Sn 189.933	246.8	2560.76	25.012 µg/L	0.98%
Sr 407.771	696225.5	498.541	2.5186 µg/L	0.51%
Ti 334.941	45883.6	492.479	0.6980 µg/L	0.14%
Tl 190.800	428.9	2539.87	84.149 µg/L	3.31%
V 292.402	7258.2	496.830	5.2945 µg/L	1.07%
Zn 206.200	1085.9	504.978	4.1891 µg/L	0.83%

Replicate Data

ID: 0B08006-CCB Date: 2/8/10 9:00:31 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	398307.7	398307.7	100.2	µg/L		
1	Y 360.064	245512.7	245512.7	101.2	µg/L		
1	Ag 328.068	-56.0	-55.9	-1.41844	µg/L		
1	Al 396.140	-38.3	-38.2	-12.5094	µg/L		
1	As 188.979	2.0	2.0	-38.4581	µg/L		
1	B 249.773	221.2	220.8	-5.27423	µg/L		
1	Ba 455.403	8251.0	8234.1	-1.12207	µg/L		
1	Be 234.861	94.8	94.6	-0.163598	µg/L		
1	Ca 315.887	-61.0	-60.9	0.0263728	mg/L		
1	Cd 214.438	42.2	42.1	-0.565438	µg/L		
1	Ce 413.765	-153.5	-153.2	9.01678	µg/L		
1	Co 228.616	-12.9	-12.9	-0.0316149	µg/L		
1	Cr 205.560	49.9	49.8	1.04592	µg/L		
1	Cu 327.394	-104.2	-104.0	-3.86879	µg/L		
1	Fe 238.204	92.4	92.3	-0.143067	µg/L		
1	K 766.514	2060.8	2056.6	-0.0121205	mg/L		
1	Li 670.781	236.8	236.3	-2.61294	µg/L		
1	Mg 279.074	-15.5	-15.4	-0.0230195	mg/L		
1	Mn 257.610	-204.0	-203.6	-1.70274	µg/L		
1	Mo 202.031	-1.6	-1.6	-12.3599	µg/L		
1	Na 589.594	2867.2	2861.3	-0.0255096	mg/L		
1	Ni 231.603	85.6	85.5	1.77221	µg/L		
1	Pb 220.353	-6.8	-6.8	-10.6457	µg/L		
1	Sb 206.831	-8.2	-8.2	-39.2851	µg/L		
1	Se 196.026	82.8	82.7	150.480	µg/L		
1	Si 251.611	1130.4	1128.0	6.18025	µg/L		
1	Sn 189.933	0.1	0.1	32.4176	µg/L		
1	Sr 407.771	701.5	700.1	-2.06897	µg/L		
1	Ti 334.941	1713.9	1710.4	0.867888	µg/L		
1	Tl 190.800	15.5	15.5	-12.9506	µg/L		
1	V 292.402	-286.9	-286.3	-1.17873	µg/L		
1	Zn 206.200	-1.2	-1.2	-2.23001	µg/L		
2	Sc 357.253	395923.5	395923.5	99.6	µg/L		
2	Y 360.064	243836.7	243836.7	100.5	µg/L		
2	Ag 328.068	38.7	38.9	2.42862	µg/L		
2	Al 396.140	-63.7	-64.0	-15.9464	µg/L		
2	As 188.979	5.4	5.4	-18.2562	µg/L		
2	B 249.773	217.9	218.8	-5.47442	µg/L		
2	Ba 455.403	8221.5	8254.0	-1.09011	µg/L		
2	Be 234.861	90.6	90.9	-0.206274	µg/L		
2	Ca 315.887	58.9	59.2	0.0385522	mg/L		
2	Cd 214.438	51.7	51.9	0.954971	µg/L		
2	Ce 413.765	-148.2	-148.8	9.70395	µg/L		
2	Co 228.616	-26.2	-26.3	-4.16306	µg/L		
2	Cr 205.560	51.9	52.1	3.16135	µg/L		
2	Cu 327.394	-111.2	-111.7	-4.40668	µg/L		
2	Fe 238.204	93.5	93.9	0.0404055	µg/L		
2	K 766.514	2015.7	2023.6	-0.0223500	mg/L		
2	Li 670.781	315.4	316.7	-2.10244	µg/L		
2	Mg 279.074	-2.0	-2.0	-0.0119931	mg/L		
2	Mn 257.610	-188.2	-189.0	-1.50381	µg/L		

2	Mo 202.031	0.8	0.8	-8.62985	µg/L
2	Na 589.594	2874.6	2886.0	-0.0238366	mg/L
2	Ni 231.603	92.3	92.6	6.02034	µg/L
2	Pb 220.353	-4.0	-4.1	-0.381346	µg/L
2	Sb 206.831	2.8	2.8	17.2929	µg/L
2	Se 196.026	72.8	73.1	76.7946	µg/L
2	Si 251.611	1098.7	1103.1	0.713477	µg/L
2	Sn 189.933	0.5	0.5	35.8451	µg/L
2	Sr 407.771	670.6	673.3	-2.08824	µg/L
2	Ti 334.941	1682.8	1689.4	0.634966	µg/L
2	Tl 190.800	14.0	14.1	-21.5196	µg/L
2	V 292.402	-252.3	-253.3	0.998278	µg/L
2	Zn 206.200	2.4	2.4	-0.566198	µg/L

Mean Data

ID: 0B08006-CCB Seq. No.: 20 Sample No.: 9 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 9:00:31 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	397115.6	99.9	0.42	µg/L				0.42%
Y 360.064	244674.7	100.8	0.49	µg/L				0.48%
Ag 328.068	-8.5	0.505090	2.7202828	µg/L				538.57%
Al 396.140	-51.1	-14.2279	2.43032	µg/L				17.08%
As 188.979	3.7	-28.3572	14.28483	µg/L				50.37%
B 249.773	219.8	-5.37432	0.141552	µg/L				2.63%
Ba 455.403	8244.0	-1.10609	0.022602	µg/L				2.04%
Be 234.861	92.8	-0.184936	0.0301768	µg/L				16.32%
Ca 315.887	-0.8	0.0324625	0.00861215	mg/L				26.53%
Cd 214.438	47.0	0.194767	1.0750916	µg/L				551.99%
Ce 413.765	-151.0	9.36036	0.485903	µg/L				5.19%
Co 228.616	-19.6	-2.09734	2.921372	µg/L				139.29%
Cr 205.560	51.0	2.10364	1.495830	µg/L				71.11%
Cu 327.394	-107.8	-4.13773	0.380344	µg/L				9.19%
Fe 238.204	93.1	-0.0513310	0.12973501	µg/L				252.74%
K 766.514	2040.1	-0.0172352	0.00723341	mg/L				41.97%
Li 670.781	276.5	-2.35769	0.360978	µg/L				15.31%
Mg 279.074	-8.7	-0.0175063	0.00779683	mg/L				44.54%
Mn 257.610	-196.3	-1.60327	0.140667	µg/L				8.77%
Mo 202.031	-0.4	-10.4949	2.63755	µg/L				25.13%
Na 589.594	2873.6	-0.0246731	0.00118303	mg/L				4.79%
Ni 231.603	89.0	3.89627	3.003878	µg/L				77.10%
Pb 220.353	-5.4	-5.51353	7.257998	µg/L				131.64%
Sb 206.831	-2.7	-10.9961	40.00672	µg/L				363.83%
Se 196.026	77.9	113.637	52.1037	µg/L				45.85%
*QC exceeds upper limit for Se 196.026 Action = Continue								
Si 251.611	1115.5	3.44686	3.865593	µg/L				112.15%
Sn 189.933	0.3	34.1313	2.42358	µg/L				7.10%
Sr 407.771	686.7	-2.07861	0.013628	µg/L				0.66%
Ti 334.941	1699.9	0.751427	0.1647013	µg/L				21.92%
Tl 190.800	14.8	-17.2351	6.05920	µg/L				35.16%
V 292.402	-269.8	-0.0902275	1.53937947	µg/L				>999.9%
Zn 206.200	0.6	-1.39811	1.176496	µg/L				84.15%

Replicate Data

ID: 1002004-04 Date: 2/8/10 9:03:42 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	388936.2	388936.2	97.8	µg/L		
1	Y 360.064	239731.2	239731.2	98.8	µg/L		
1	Ag 328.068	-115.4	-117.9	-3.93423	µg/L	-3.93423	µg/L
1	Al 396.140	15525.0	15866.4	2111.55	µg/L	2111.55	µg/L
1	As 188.979	8.7	8.9	2.20047	µg/L	2.20047	µg/L
1	B 249.773	1861.5	1902.5	163.859	µg/L	163.859	µg/L
1	Ba 455.403	20594.9	21047.8	19.4489	µg/L	19.4489	µg/L
1	Be 234.861	116.0	118.5	0.110610	µg/L	0.110610	µg/L
1	Ca 315.887	7818.9	7990.8	0.843470	mg/L	0.843470	mg/L
1	Cd 214.438	48.4	49.5	0.577074	µg/L	0.577074	µg/L
1	Ce 413.765	-228.6	-233.6	-3.53101	µg/L	-0.0035310	mg/L

1 Co 228.616	-17.4	-17.8	-1.54111 µg/L	-1.54111 µg/L	
1 Cr 205.560	54.3	55.5	6.25040 µg/L	6.25040 µg/L	
1 Cu 327.394	-27.4	-28.0	1.43969 µg/L	1.43969 µg/L	
1 Fe 238.204	16450.9	16812.7	1882.84 µg/L	1882.84 µg/L	
1 K 766.514	3738.5	3820.8	0.536241 mg/L	0.536241 mg/L	
1 Li 670.781	415.5	424.6	-1.41736 µg/L	-1.41736 µg/L	
1 Mg 279.074	537.3	549.1	0.437525 mg/L	0.437525 mg/L	
1 Mn 257.610	11063.0	11306.3	154.772 µg/L	154.772 µg/L	
1 Mo 202.031	-1.9	-2.0	-12.9399 µg/L	-12.9399 µg/L	
1 Na 589.594	65155.0	66587.8	4.28811 mg/L	4.28811 mg/L	
1 Ni 231.603	93.0	95.1	7.47566 µg/L	7.47566 µg/L	
1 Pb 220.353	-9.1	-9.3	-20.3679 µg/L	-20.3679 µg/L	
1 Sb 206.831	0.5	0.5	5.61511 µg/L	5.61511 µg/L	
1 Se 196.026	72.2	73.8	82.6184 µg/L	82.6184 µg/L	
1 Si 251.611	14421.4	14738.5	2986.55 µg/L	2986.55 µg/L	
1 Sn 189.933	-1.4	-1.5	15.8938 µg/L	15.8938 µg/L	
1 Sr 407.771	3205.9	3276.4	-0.214636 µg/L	-0.214636 µg/L	
1 Ti 334.941	5091.9	5203.9	39.7480 µg/L	39.7480 µg/L	
1 Tl 190.800	11.1	11.3	-38.4403 µg/L	-38.4403 µg/L	
1 V 292.402	-206.8	-211.4	3.76851 µg/L	3.76851 µg/L	
1 Zn 206.200	21.7	22.2	8.67320 µg/L	8.67320 µg/L	
2 Sc 357.253	386233.4	386233.4	97.2 µg/L		
2 Y 360.064	237966.7	237966.7	98.1 µg/L		
2 Ag 328.068	-50.5	-51.9	-1.25715 µg/L	-1.25715 µg/L	
2 Al 396.140	15638.5	16094.3	2141.97 µg/L	2141.97 µg/L	
2 As 188.979	13.9	14.3	34.1316 µg/L	34.1316 µg/L	
2 B 249.773	1874.6	1929.3	166.556 µg/L	166.556 µg/L	
2 Ba 455.403	20511.9	21109.7	19.5483 µg/L	19.5483 µg/L	
2 Be 234.861	137.2	141.2	0.371287 µg/L	0.371287 µg/L	
2 Ca 315.887	7789.6	8016.6	0.846086 mg/L	0.846086 mg/L	
2 Cd 214.438	54.4	56.0	1.59349 µg/L	1.59349 µg/L	
2 Ce 413.765	-182.7	-188.0	3.57866 µg/L	0.0035787 mg/L	
2 Co 228.616	-23.2	-23.8	-3.40853 µg/L	-3.40853 µg/L	
2 Cr 205.560	48.2	49.6	0.812144 µg/L	0.812144 µg/L	
2 Cu 327.394	-27.9	-28.7	1.39430 µg/L	1.39430 µg/L	
2 Fe 238.204	16526.1	17007.7	1904.79 µg/L	1904.79 µg/L	
2 K 766.514	3714.0	3822.3	0.536715 mg/L	0.536715 mg/L	
2 Li 670.781	407.0	418.9	-1.45366 µg/L	-1.45366 µg/L	
2 Mg 279.074	530.3	545.8	0.434761 mg/L	0.434761 mg/L	
2 Mn 257.610	11057.8	11380.0	155.774 µg/L	155.774 µg/L	
2 Mo 202.031	10.6	10.9	6.88548 µg/L	6.88548 µg/L	
2 Na 589.594	65472.1	67380.1	4.34174 mg/L	4.34174 mg/L	
2 Ni 231.603	71.0	73.1	-5.57757 µg/L	-5.57757 µg/L	
2 Pb 220.353	-9.4	-9.7	-21.7708 µg/L	-21.7708 µg/L	
2 Sb 206.831	0.6	0.6	6.14370 µg/L	6.14370 µg/L	
2 Se 196.026	77.9	80.2	131.159 µg/L	131.159 µg/L	
2 Si 251.611	14514.9	14938.0	3030.23 µg/L	3030.23 µg/L	
2 Sn 189.933	-1.6	-1.6	14.4060 µg/L	14.4060 µg/L	
2 Sr 407.771	3143.1	3234.7	-0.244635 µg/L	-0.244635 µg/L	
2 Ti 334.941	5078.0	5226.0	39.9938 µg/L	39.9938 µg/L	
2 Tl 190.800	13.8	14.2	-20.4547 µg/L	-20.4547 µg/L	
2 V 292.402	-230.2	-236.9	2.08545 µg/L	2.08545 µg/L	
2 Zn 206.200	33.0	34.0	14.1821 µg/L	14.1821 µg/L	

Mean Data

ID: 1002004-04 Seq. No.: 21 Sample No.: 10 A/S Pos: 26
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 9:03:42 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	387584.8	97.5	0.48	µg/L				0.49%
Y 360.064	238848.9	98.4	0.51	µg/L				0.52%
Ag 328.068	-84.9	-2.59569	1.892980	µg/L	-2.59569	1.892980	µg/L	72.93%
Al 396.140	15980.4	2126.76	21.514	µg/L	2126.76	21.514	µg/L	1.01%
As 188.979	11.6	18.1660	22.57870	µg/L	18.1660	22.57870	µg/L	124.29%
B 249.773	1915.9	165.208	1.9071	µg/L	165.208	1.9071	µg/L	1.15%
Ba 455.403	21078.8	19.4986	0.07028	µg/L	19.4986	0.07028	µg/L	0.36%
Be 234.861	129.8	0.240949	0.1843264	µg/L	0.240949	0.1843264	µg/L	76.50%
Ca 315.887	8003.7	0.844778	0.0018499	mg/L	0.844778	0.0018499	mg/L	0.22%
Cd 214.438	52.8	1.08528	0.718716	µg/L	1.08528	0.718716	µg/L	66.22%

Ce 413.765	-210.8	0.0238264	5.02729851 µg/L	0.0000238	0.00502730 mg/L	>999.9%
Co 228.616	-20.8	-2.47482	1.320462 µg/L	-2.47482	1.320462 µg/L	53.36%
Cr 205.560	52.6	3.53127	3.845429 µg/L	3.53127	3.845429 µg/L	108.90%
Cu 327.394	-28.4	1.41700	0.032098 µg/L	1.41700	0.032098 µg/L	2.27%
Fe 238.204	16910.2	1893.81	15.527 µg/L	1893.81	15.527 µg/L	0.82%
K 766.514	3821.5	0.536478	0.0003353 mg/L	0.536478	0.0003353 mg/L	0.06%
Li 670.781	421.8	-1.43551	0.025665 µg/L	-1.43551	0.025665 µg/L	1.79%
Mg 279.074	547.5	0.436143	0.0019541 mg/L	0.436143	0.0019541 mg/L	0.45%
Mn 257.610	11343.2	155.273	0.7086 µg/L	155.273	0.7086 µg/L	0.46%
Mo 202.031	4.5	-3.02721	14.018657 µg/L	-3.02721	14.018657 µg/L	463.09%
Na 589.594	66984.0	4.31493	0.037922 mg/L	4.31493	0.037922 mg/L	0.88%
Ni 231.603	84.1	0.949048	9.2300277 µg/L	0.949048	9.2300277 µg/L	972.56%
Pb 220.353	-9.5	-21.0694	0.99204 µg/L	-21.0694	0.99204 µg/L	4.71%
Sb 206.831	0.6	5.87941	0.373773 µg/L	5.87941	0.373773 µg/L	6.36%
Se 196.026	77.0	106.889	34.3233 µg/L	106.889	34.3233 µg/L	32.11%
Si 251.611	14838.2	3008.39	30.884 µg/L	3008.39	30.884 µg/L	1.03%
Sn 189.933	-1.5	15.1499	1.05205 µg/L	15.1499	1.05205 µg/L	6.94%
Sr 407.771	3255.6	-0.229635	0.0212130 µg/L	-0.229635	0.0212130 µg/L	9.24%
Ti 334.941	5214.9	39.8709	0.17381 µg/L	39.8709	0.17381 µg/L	0.44%
Tl 190.800	12.8	-29.4475	12.71772 µg/L	-29.4475	12.71772 µg/L	43.19%
V 292.402	-224.1	2.92698	1.190106 µg/L	2.92698	1.190106 µg/L	40.66%
Zn 206.200	28.1	11.4276	3.89536 µg/L	11.4276	3.89536 µg/L	34.09%

Replicate Data

ID: 1002004-05 Date: 2/8/10 9:06:53 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	399013.1	399013.1	100.4	µg/L		
1	Y 360.064	246376.9	246376.9	101.5	µg/L		
1	Ag 328.068	-57.4	-57.2	-1.47029	µg/L	-1.47029	µg/L
1	Al 396.140	27781.2	27675.1	3688.59	µg/L	3688.59	µg/L
1	As 188.979	-1.0	-1.0	-55.5189	µg/L	-55.5189	µg/L
1	B 249.773	561.9	559.7	28.8141	µg/L	28.8141	µg/L
1	Ba 455.403	47141.8	46961.8	61.0509	µg/L	61.0509	µg/L
1	Be 234.861	116.5	116.0	0.0820084	µg/L	0.0820084	µg/L
1	Ca 315.887	53197.2	52994.1	5.41047	mg/L	5.41047	mg/L
1	Cd 214.438	57.9	57.7	1.84517	µg/L	1.84517	µg/L
1	Ce 413.765	-97.0	-96.7	17.8255	µg/L	0.0178255	mg/L
1	Co 228.616	2.1	2.1	4.61262	µg/L	4.61262	µg/L
1	Cr 205.560	59.2	59.0	9.40143	µg/L	9.40143	µg/L
1	Cu 327.394	46.4	46.2	6.63024	µg/L	6.63024	µg/L
1	Fe 238.204	28247.8	28139.9	3158.46	µg/L	3158.46	µg/L
1	K 766.514	3769.7	3755.3	0.516469	mg/L	0.516469	mg/L
1	Li 670.781	750.3	747.4	0.631604	µg/L	0.631604	µg/L
1	Mg 279.074	1785.2	1778.3	1.44387	mg/L	1.44387	mg/L
1	Mn 257.610	15409.9	15351.1	209.760	µg/L	209.760	µg/L
1	Mo 202.031	8.0	8.0	2.38172	µg/L	2.38172	µg/L
1	Na 589.594	123352.0	122881.0	8.09857	mg/L	8.09857	mg/L
1	Ni 231.603	98.0	97.6	8.97176	µg/L	8.97176	µg/L
1	Pb 220.353	-10.8	-10.7	-25.4998	µg/L	-25.4998	µg/L
1	Sb 206.831	2.3	2.3	14.7385	µg/L	14.7385	µg/L
1	Se 196.026	69.5	69.2	47.3940	µg/L	47.3940	µg/L
1	Si 251.611	25079.1	24983.3	5229.93	µg/L	5229.93	µg/L
1	Sn 189.933	-2.2	-2.2	8.39627	µg/L	8.39627	µg/L
1	Sr 407.771	64251.0	64005.7	43.4957	µg/L	43.4957	µg/L
1	Ti 334.941	7942.5	7912.1	69.8884	µg/L	69.8884	µg/L
1	Tl 190.800	18.7	18.6	6.61794	µg/L	6.61794	µg/L
1	V 292.402	-121.7	-121.3	9.71579	µg/L	9.71579	µg/L
1	Zn 206.200	35.0	34.8	14.5635	µg/L	14.5635	µg/L
2	Sc 357.253	399492.6	399492.6	100.5	µg/L		
2	Y 360.064	246771.6	246771.6	101.7	µg/L		
2	Ag 328.068	-50.6	-50.4	-1.19250	µg/L	-1.19250	µg/L
2	Al 396.140	28099.3	27958.4	3726.42	µg/L	3726.42	µg/L
2	As 188.979	1.6	1.5	-40.8402	µg/L	-40.8402	µg/L
2	B 249.773	581.1	578.1	30.6669	µg/L	30.6669	µg/L
2	Ba 455.403	47758.6	47519.1	61.9457	µg/L	61.9457	µg/L
2	Be 234.861	131.8	131.2	0.256041	µg/L	0.256041	µg/L
2	Ca 315.887	53534.8	53266.4	5.43810	mg/L	5.43810	mg/L
2	Cd 214.438	61.5	61.2	2.40019	µg/L	2.40019	µg/L

2 Ce 413.765	-91.5	-91.0	18.7032 µg/L	0.0187032 mg/L
2 Co 228.616	-3.0	-3.0	3.04790 µg/L	3.04790 µg/L
2 Cr 205.560	61.2	60.9	11.1608 µg/L	11.1608 µg/L
2 Cu 327.394	36.6	36.4	5.94414 µg/L	5.94414 µg/L
2 Fe 238.204	28514.6	28371.6	3184.55 µg/L	3184.55 µg/L
2 K 766.514	3720.4	3701.7	0.499927 mg/L	0.499927 mg/L
2 Li 670.781	824.3	820.1	1.09329 µg/L	1.09329 µg/L
2 Mg 279.074	1867.7	1858.3	1.50935 mg/L	1.50935 mg/L
2 Mn 257.610	15415.1	15337.8	209.580 µg/L	209.580 µg/L
2 Mo 202.031	11.9	11.8	8.29167 µg/L	8.29167 µg/L
2 Na 589.594	124712.3	124086.9	8.18020 mg/L	8.18020 mg/L
2 Ni 231.603	97.3	96.8	8.49294 µg/L	8.49294 µg/L
2 Pb 220.353	-3.7	-3.7	1.01184 µg/L	1.01184 µg/L
2 Sb 206.831	3.4	3.4	20.5137 µg/L	20.5137 µg/L
2 Se 196.026	76.7	76.3	101.620 µg/L	101.620 µg/L
2 Si 251.611	25236.3	25109.8	5257.61 µg/L	5257.61 µg/L
2 Sn 189.933	-2.0	-2.0	10.8548 µg/L	10.8548 µg/L
2 Sr 407.771	65193.4	64866.5	44.1153 µg/L	44.1153 µg/L
2 Ti 334.941	7980.7	7940.7	70.2065 µg/L	70.2065 µg/L
2 Tl 190.800	8.3	8.2	-57.4873 µg/L	-57.4873 µg/L
2 V 292.402	-214.0	-212.9	3.66713 µg/L	3.66713 µg/L
2 Zn 206.200	29.5	29.4	12.0237 µg/L	12.0237 µg/L

Mean Data

ID: 1002004-05 Seq. No.: 22 Sample No.: 11 A/S Pos: 27
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 9:06:53 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	399252.9	100.4	0.09	µg/L				0.08%
Y 360.064	246574.2	101.6	0.11	µg/L				0.11%
Ag 328.068	-53.8	-1.33139	0.196427	µg/L	-1.33139	0.196427	µg/L	14.75%
Al 396.140	27816.8	3707.50	26.751	µg/L	3707.50	26.751	µg/L	0.72%
As 188.979	0.3	-48.1795	10.37941	µg/L	-48.1795	10.37941	µg/L	21.54%
B 249.773	568.9	29.7405	1.31011	µg/L	29.7405	1.31011	µg/L	4.41%
Ba 455.403	47240.4	61.4983	0.63267	µg/L	61.4983	0.63267	µg/L	1.03%
Be 234.861	123.6	0.169025	0.1230594	µg/L	0.169025	0.1230594	µg/L	72.81%
Ca 315.887	53130.2	5.42428	0.019537	mg/L	5.42428	0.019537	mg/L	0.36%
Cd 214.438	59.4	2.12268	0.392453	µg/L	2.12268	0.392453	µg/L	18.49%
Ce 413.765	-93.9	18.2644	0.62059	µg/L	0.0182644	0.00062059	mg/L	3.40%
Co 228.616	-0.4	3.83026	1.106430	µg/L	3.83026	1.106430	µg/L	28.89%
Cr 205.560	60.0	10.2811	1.24409	µg/L	10.2811	1.24409	µg/L	12.10%
Cu 327.394	41.3	6.28719	0.485145	µg/L	6.28719	0.485145	µg/L	7.72%
Fe 238.204	28255.8	3171.50	18.451	µg/L	3171.50	18.451	µg/L	0.58%
K 766.514	3728.5	0.508198	0.0116970	mg/L	0.508198	0.0116970	mg/L	2.30%
Li 670.781	783.8	0.862446	0.3264593	µg/L	0.862446	0.3264593	µg/L	37.85%
Mg 279.074	1818.3	1.47661	0.046304	mg/L	1.47661	0.046304	mg/L	3.14%
Mn 257.610	15344.5	209.670	0.1274	µg/L	209.670	0.1274	µg/L	0.06%
Mo 202.031	9.9	5.33669	4.178968	µg/L	5.33669	4.178968	µg/L	78.31%
Na 589.594	123484.0	8.13938	0.057722	mg/L	8.13938	0.057722	mg/L	0.71%
Ni 231.603	97.2	8.73235	0.338575	µg/L	8.73235	0.338575	µg/L	3.88%
Pb 220.353	-7.2	-12.2440	18.74656	µg/L	-12.2440	18.74656	µg/L	153.11%
Sb 206.831	2.8	17.6261	4.08369	µg/L	17.6261	4.08369	µg/L	23.17%
Se 196.026	72.8	74.5072	38.34378	µg/L	74.5072	38.34378	µg/L	51.46%
Si 251.611	25046.5	5243.77	19.578	µg/L	5243.77	19.578	µg/L	0.37%
Sn 189.933	-2.1	9.62556	1.738475	µg/L	9.62556	1.738475	µg/L	18.06%
Sr 407.771	64436.1	43.8055	0.43811	µg/L	43.8055	0.43811	µg/L	1.00%
Ti 334.941	7926.4	70.0474	0.22499	µg/L	70.0474	0.22499	µg/L	0.32%
Tl 190.800	13.4	-25.4347	45.32922	µg/L	-25.4347	45.32922	µg/L	178.22%
V 292.402	-167.1	6.69146	4.277050	µg/L	6.69146	4.277050	µg/L	63.92%
Zn 206.200	32.1	13.2936	1.79593	µg/L	13.2936	1.79593	µg/L	13.51%

Replicate Data

ID: 1002004-06 Date: 2/8/10 9:10:13 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	397620.2	397620.2	100.0	µg/L		
1	Y 360.064	244949.3	244949.3	100.9	µg/L		
1	Ag 328.068	-57.1	-57.1	-1.46574	µg/L	-1.46574	µg/L

1 Al 396.140	125258.5	125217.3	16715.3 µg/L		16715.3 µg/L
1 As 188.979	-0.3	-0.3	-51.4140 µg/L		-51.4140 µg/L
1 B 249.773	2468.8	2468.0	220.739 µg/L		220.739 µg/L
1 Ba 455.403	116373.5	116335.3	172.422 µg/L		172.422 µg/L
1 Be 234.861	316.8	316.7	0.340918 µg/L		0.340918 µg/L
1 Ca 315.887	45960.0	45944.9	4.69853 mg/L		4.69853 mg/L
1 Cd 214.438	92.5	92.5	7.24084 µg/L		7.24084 µg/L
1 Ce 413.765	-118.2	-118.2	14.4745 µg/L		0.0144745 mg/L
1 Co 228.616	12.4	12.4	7.81068 µg/L		7.81068 µg/L
1 Cr 205.560	79.1	79.1	27.6927 µg/L		27.6927 µg/L
1 Cu 327.394	111.1	111.1	11.1609 µg/L		11.1609 µg/L
1 Fe 238.204	147181.8	147133.4	16558.9 µg/L		16558.9 µg/L
1 K 766.514	6543.0	6540.9	1.38539 mg/L		1.38539 mg/L
1 Li 670.781	2907.9	2906.9	14.3400 µg/L		14.3400 µg/L
1 Mg 279.074	3652.5	3651.3	2.96522 mg/L		2.96522 mg/L
1 Mn 257.610	101349.3	101316.0	1378.43 µg/L		1378.43 µg/L
1 Mo 202.031	4.2	4.2	-3.49288 µg/L		-3.49288 µg/L
1 Na 589.594	466620.1	466466.6	31.3568 mg/L		31.3568 mg/L
1 Ni 231.603	109.7	109.7	16.1397 µg/L		16.1397 µg/L
1 Pb 220.353	7.0	7.0	41.4125 µg/L		41.4125 µg/L
1 Sb 206.831	-2.6	-2.6	-10.5948 µg/L		-10.5948 µg/L
1 Se 196.026	71.0	70.9	60.6483 µg/L		60.6483 µg/L
1 Si 251.611	77097.6	77072.3	16636.2 µg/L		16636.2 µg/L
1 Sn 189.933	-1.5	-1.5	16.1149 µg/L		16.1149 µg/L
1 Sr 407.771	73514.1	73489.9	50.3221 µg/L		50.3221 µg/L
1 Ti 334.941	31120.3	31110.1	328.062 µg/L		328.062 µg/L
1 Tl 190.800	25.8	25.8	50.9037 µg/L		50.9037 µg/L
1 V 292.402	131.9	131.9	26.4279 µg/L		26.4279 µg/L
1 Zn 206.200	136.7	136.6	62.0660 µg/L		62.0660 µg/L
2 Sc 357.253	395874.9	395874.9	99.6 µg/L		
2 Y 360.064	243964.0	243964.0	100.5 µg/L		
2 Ag 328.068	-79.7	-80.0	-2.39713 µg/L		-2.39713 µg/L
2 Al 396.140	125861.5	126374.8	16869.8 µg/L		16869.8 µg/L
2 As 188.979	12.4	12.4	22.9263 µg/L		22.9263 µg/L
2 B 249.773	2529.6	2539.9	227.967 µg/L		227.967 µg/L
2 Ba 455.403	116452.3	116927.3	173.373 µg/L		173.373 µg/L
2 Be 234.861	310.8	312.1	0.276105 µg/L		0.276105 µg/L
2 Ca 315.887	46054.1	46242.0	4.72870 mg/L		4.72870 mg/L
2 Cd 214.438	99.0	99.4	8.31703 µg/L		8.31703 µg/L
2 Ce 413.765	17.6	17.7	35.6620 µg/L		0.0356620 mg/L
2 Co 228.616	26.3	26.4	12.1447 µg/L		12.1447 µg/L
2 Cr 205.560	69.3	69.6	19.0027 µg/L		19.0027 µg/L
2 Cu 327.394	195.4	196.2	17.1140 µg/L		17.1140 µg/L
2 Fe 238.204	147364.9	147965.8	16652.7 µg/L		16652.7 µg/L
2 K 766.514	6572.2	6599.1	1.40349 mg/L		1.40349 mg/L
2 Li 670.781	2867.4	2879.1	14.1634 µg/L		14.1634 µg/L
2 Mg 279.074	3748.2	3763.4	3.05697 mg/L		3.05697 mg/L
2 Mn 257.610	101589.0	102003.3	1387.78 µg/L		1387.78 µg/L
2 Mo 202.031	13.8	13.9	11.4867 µg/L		11.4867 µg/L
2 Na 589.594	468087.2	469996.2	31.5957 mg/L		31.5957 mg/L
2 Ni 231.603	121.3	121.8	23.3052 µg/L		23.3052 µg/L
2 Pb 220.353	-1.3	-1.3	9.99981 µg/L		9.99981 µg/L
2 Sb 206.831	-3.2	-3.2	-13.7055 µg/L		-13.7055 µg/L
2 Se 196.026	69.9	70.2	54.7060 µg/L		54.7060 µg/L
2 Si 251.611	77765.7	78082.9	16857.5 µg/L		16857.5 µg/L
2 Sn 189.933	-3.1	-3.1	-1.09626 µg/L		-1.09626 µg/L
2 Sr 407.771	73847.6	74148.8	50.7963 µg/L		50.7963 µg/L
2 Ti 334.941	30989.2	31115.6	328.123 µg/L		328.123 µg/L
2 Tl 190.800	5.9	6.0	-71.6255 µg/L		-71.6255 µg/L
2 V 292.402	84.4	84.7	23.3124 µg/L		23.3124 µg/L
2 Zn 206.200	134.1	134.6	61.1260 µg/L		61.1260 µg/L

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

ID: 1002004-06 Seq. No.: 23 Sample No.: 12 A/S Pos: 28

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

Data: Original Date: 2/8/10 9:10:13 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	396747.6	99.8	0.31	µg/L				0.31%
Y 360.064	244456.6	100.7	0.29	µg/L				0.29%

Ag 328.068	-68.6	-1.93144	0.658593 µg/L	-1.93144	0.658593 µg/L	34.10%
Al 396.140	125796.1	16792.6	109.31 µg/L	16792.6	109.31 µg/L	0.65%
As 188.979	6.1	-14.2438	52.56649 µg/L	-14.2438	52.56649 µg/L	369.05%
B 249.773	2503.9	224.353	5.1116 µg/L	224.353	5.1116 µg/L	2.28%
Ba 455.403	116631.3	172.898	0.6720 µg/L	172.898	0.6720 µg/L	0.39%
Be 234.861	314.4	0.308511	0.0458296 µg/L	0.308511	0.0458296 µg/L	14.86%
Ca 315.887	46093.4	4.71361	0.021333 mg/L	4.71361	0.021333 mg/L	0.45%
Cd 214.438	95.9	7.77893	0.760981 µg/L	7.77893	0.760981 µg/L	9.78%
Ce 413.765	-50.2	25.0682	14.98179 µg/L	0.0250682	0.01498179 mg/L	59.76%
Co 228.616	19.4	9.97771	3.064638 µg/L	9.97771	3.064638 µg/L	30.71%
Cr 205.560	74.3	23.3477	6.14476 µg/L	23.3477	6.14476 µg/L	26.32%
Cu 327.394	153.7	14.1375	4.20951 µg/L	14.1375	4.20951 µg/L	29.78%
Fe 238.204	147549.6	16605.8	66.29 µg/L	16605.8	66.29 µg/L	0.40%
K 766.514	6570.0	1.39444	0.012798 mg/L	1.39444	0.012798 mg/L	0.92%
Li 670.781	2893.0	14.2517	0.12487 µg/L	14.2517	0.12487 µg/L	0.88%
Mg 279.074	3707.4	3.01109	0.064879 mg/L	3.01109	0.064879 mg/L	2.15%
Mn 257.610	101659.7	1383.10	6.607 µg/L	1383.10	6.607 µg/L	0.48%
Mo 202.031	9.0	3.99691	10.592160 µg/L	3.99691	10.592160 µg/L	265.01%
Na 589.594	468231.4	31.4763	0.16894 mg/L	31.4763	0.16894 mg/L	0.54%
Ni 231.603	115.7	19.7225	5.06683 µg/L	19.7225	5.06683 µg/L	25.69%
Pb 220.353	2.9	25.7062	22.21216 µg/L	25.7062	22.21216 µg/L	86.41%
Sb 206.831	-2.9	-12.1502	2.19961 µg/L	-12.1502	2.19961 µg/L	18.10%
Se 196.026	70.6	57.6771	4.20185 µg/L	57.6771	4.20185 µg/L	7.29%
Si 251.611	77577.6	16746.8	156.48 µg/L	16746.8	156.48 µg/L	0.93%
Sn 189.933	-2.3	7.50930	12.170107 µg/L	7.50930	12.170107 µg/L	162.07%
Sr 407.771	73819.4	50.5592	0.33534 µg/L	50.5592	0.33534 µg/L	0.66%
Ti 334.941	31112.8	328.093	0.0432 µg/L	328.093	0.0432 µg/L	0.01%
Tl 190.800	15.9	-10.3609	86.64121 µg/L	-10.3609	86.64121 µg/L	836.24%
V 292.402	108.3	24.8701	2.20300 µg/L	24.8701	2.20300 µg/L	8.86%
Zn 206.200	135.6	61.5960	0.66465 µg/L	61.5960	0.66465 µg/L	1.08%

Replicate Data

ID: 1002004-07 Date: 2/8/10 9:13:38 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	406750.5	406750.5	102.3	µg/L		
1	Y 360.064	250201.5	250201.5	103.1	µg/L		
1	Ag 328.068	-38.9	-38.0	-0.690201	µg/L	-0.690201	µg/L
1	Al 396.140	1196.3	1169.1	148.729	µg/L	148.729	µg/L
1	As 188.979	7.5	7.4	-6.69444	µg/L	-6.69444	µg/L
1	B 249.773	881.3	861.3	59.1405	µg/L	59.1405	µg/L
1	Ba 455.403	11760.7	11493.0	4.10969	µg/L	4.10969	µg/L
1	Be 234.861	111.5	109.0	0.0013286	µg/L	0.0013286	µg/L
1	Ca 315.887	87578.3	85584.3	8.71777	mg/L	8.71777	mg/L
1	Cd 214.438	52.4	51.2	0.841608	µg/L	0.841608	µg/L
1	Ce 413.765	-222.7	-217.6	-1.03039	µg/L	-0.0010304	mg/L
1	Co 228.616	-12.6	-12.3	0.155722	µg/L	0.155722	µg/L
1	Cr 205.560	63.5	62.0	12.1562	µg/L	12.1562	µg/L
1	Cu 327.394	-116.2	-113.5	-4.53724	µg/L	-4.53724	µg/L
1	Fe 238.204	453.4	443.1	39.3642	µg/L	39.3642	µg/L
1	K 766.514	2871.2	2805.8	0.220938	mg/L	0.220938	mg/L
1	Li 670.781	371.1	362.7	-1.81053	µg/L	-1.81053	µg/L
1	Mg 279.074	2240.2	2189.2	1.78364	mg/L	1.78364	mg/L
1	Mn 257.610	-19.7	-19.2	0.803571	µg/L	0.803571	µg/L
1	Mo 202.031	7.9	7.7	2.01683	µg/L	2.01683	µg/L
1	Na 589.594	41257.7	40318.4	2.50994	mg/L	2.50994	mg/L
1	Ni 231.603	87.0	85.0	1.52722	µg/L	1.52722	µg/L
1	Pb 220.353	-1.4	-1.4	9.75876	µg/L	9.75876	µg/L
1	Sb 206.831	-1.5	-1.5	-4.71980	µg/L	-4.71980	µg/L
1	Se 196.026	71.3	69.6	50.5956	µg/L	50.5956	µg/L
1	Si 251.611	8376.6	8185.9	1551.69	µg/L	1551.69	µg/L
1	Sn 189.933	-2.0	-1.9	11.4232	µg/L	11.4232	µg/L
1	Sr 407.771	23977.1	23431.2	14.2920	µg/L	14.2920	µg/L
1	Ti 334.941	1805.7	1764.6	1.47167	µg/L	1.47167	µg/L
1	Tl 190.800	19.9	19.4	11.5031	µg/L	11.5031	µg/L
1	V 292.402	-284.4	-277.9	-0.624079	µg/L	-0.624079	µg/L
1	Zn 206.200	5.8	5.6	0.942649	µg/L	0.942649	µg/L
2	Sc 357.253	404519.8	404519.8	101.8	µg/L		
2	Y 360.064	249180.0	249180.0	102.7	µg/L		

2 Ag 328.068	23.2	22.8	1.77856 µg/L	1.77856 µg/L
2 Al 396.140	1120.8	1101.3	139.679 µg/L	139.679 µg/L
2 As 188.979	6.5	6.4	-12.5427 µg/L	-12.5427 µg/L
2 B 249.773	895.0	879.5	60.9732 µg/L	60.9732 µg/L
2 Ba 455.403	11966.7	11758.7	4.53629 µg/L	4.53629 µg/L
2 Be 234.861	99.6	97.8	-0.126962 µg/L	-0.126962 µg/L
2 Ca 315.887	88736.6	87194.4	8.88116 mg/L	8.88116 mg/L
2 Cd 214.438	49.0	48.1	0.365181 µg/L	0.365181 µg/L
2 Ce 413.765	-154.4	-151.7	9.24281 µg/L	0.0092428 mg/L
2 Co 228.616	-22.5	-22.1	-2.86697 µg/L	-2.86697 µg/L
2 Cr 205.560	49.3	48.4	-0.218746 µg/L	-0.218746 µg/L
2 Cu 327.394	-97.8	-96.1	-3.31930 µg/L	-3.31930 µg/L
2 Fe 238.204	445.6	437.9	38.7782 µg/L	38.7782 µg/L
2 K 766.514	2790.7	2742.2	0.201190 mg/L	0.201190 mg/L
2 Li 670.781	293.9	288.8	-2.27972 µg/L	-2.27972 µg/L
2 Mg 279.074	2185.9	2147.9	1.74982 mg/L	1.74982 mg/L
2 Mn 257.610	0.6	0.6	1.07357 µg/L	1.07357 µg/L
2 Mo 202.031	4.0	4.0	-3.78331 µg/L	-3.78331 µg/L
2 Na 589.594	41743.9	41018.4	2.55733 mg/L	2.55733 mg/L
2 Ni 231.603	90.8	89.2	3.99994 µg/L	3.99994 µg/L
2 Pb 220.353	-11.0	-10.8	-25.7688 µg/L	-25.7688 µg/L
2 Sb 206.831	3.7	3.6	21.7835 µg/L	21.7835 µg/L
2 Se 196.026	82.4	81.0	137.761 µg/L	137.761 µg/L
2 Si 251.611	8313.8	8169.3	1548.05 µg/L	1548.05 µg/L
2 Sn 189.933	-5.1	-5.1	-20.8435 µg/L	-20.8435 µg/L
2 Sr 407.771	24320.3	23897.7	14.6277 µg/L	14.6277 µg/L
2 Ti 334.941	1800.7	1769.4	1.52461 µg/L	1.52461 µg/L
2 Tl 190.800	18.6	18.3	4.46701 µg/L	4.46701 µg/L
2 V 292.402	-275.7	-270.9	-0.160571 µg/L	-0.160571 µg/L
2 Zn 206.200	10.3	10.1	3.03409 µg/L	3.03409 µg/L

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

ID: 1002004-07 Seq. No.: 24 Sample No.: 13 A/S Pos: 29
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 9:13:38 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	405635.2	102.0	0.40	µg/L				0.39%
Y 360.064	249690.8	102.9	0.30	µg/L				0.29%
Ag 328.068	-7.6	0.544179	1.7456769	µg/L	0.544179	1.7456769	µg/L	320.79%
Al 396.140	1135.2	144.204	6.3994	µg/L	144.204	6.3994	µg/L	4.44%
As 188.979	6.9	-9.61859	4.135368	µg/L	-9.61859	4.135368	µg/L	42.99%
B 249.773	870.4	60.0569	1.29593	µg/L	60.0569	1.29593	µg/L	2.16%
Ba 455.403	11625.8	4.32299	0.301651	µg/L	4.32299	0.301651	µg/L	6.98%
Be 234.861	103.4	-0.0628168	0.09071519	µg/L	-0.0628168	0.09071519	µg/L	144.41%
Ca 315.887	86389.3	8.79947	0.115539	mg/L	8.79947	0.115539	mg/L	1.31%
Cd 214.438	49.6	0.603394	0.3368847	µg/L	0.603394	0.3368847	µg/L	55.83%
Ce 413.765	-184.6	4.10621	7.264247	µg/L	0.0041062	0.00726425	mg/L	176.91%
Co 228.616	-17.2	-1.35563	2.137369	µg/L	-1.35563	2.137369	µg/L	157.67%
Cr 205.560	55.2	5.96872	8.750393	µg/L	5.96872	8.750393	µg/L	146.60%
Cu 327.394	-104.8	-3.92827	0.861213	µg/L	-3.92827	0.861213	µg/L	21.92%
Fe 238.204	440.5	39.0712	0.41435	µg/L	39.0712	0.41435	µg/L	1.06%
K 766.514	2774.0	0.211064	0.0139641	mg/L	0.211064	0.0139641	mg/L	6.62%
Li 670.781	325.7	-2.04512	0.331767	µg/L	-2.04512	0.331767	µg/L	16.22%
Mg 279.074	2168.5	1.76673	0.023916	mg/L	1.76673	0.023916	mg/L	1.35%
Mn 257.610	-9.3	0.938569	0.1909165	µg/L	0.938569	0.1909165	µg/L	20.34%
Mo 202.031	5.9	-0.883237	4.1013212	µg/L	-0.883237	4.1013212	µg/L	464.35%
Na 589.594	40668.4	2.53364	0.033508	mg/L	2.53364	0.033508	mg/L	1.32%
Ni 231.603	87.1	2.76358	1.748475	µg/L	2.76358	1.748475	µg/L	63.27%
Pb 220.353	-6.1	-8.00503	25.121798	µg/L	-8.00503	25.121798	µg/L	313.83%
Sb 206.831	1.1	8.53186	18.740683	µg/L	8.53186	18.740683	µg/L	219.66%
Se 196.026	75.3	94.1781	61.63496	µg/L	94.1781	61.63496	µg/L	65.45%
Si 251.611	8177.6	1549.87	2.575	µg/L	1549.87	2.575	µg/L	0.17%
Sn 189.933	-3.5	-4.71015	22.816027	µg/L	-4.71015	22.816027	µg/L	484.40%
Sr 407.771	23664.4	14.4598	0.23739	µg/L	14.4598	0.23739	µg/L	1.64%
Ti 334.941	1767.0	1.49814	0.037432	µg/L	1.49814	0.037432	µg/L	2.50%
Tl 190.800	18.8	7.98505	4.975264	µg/L	7.98505	4.975264	µg/L	62.31%
V 292.402	-274.4	-0.392325	0.3277498	µg/L	-0.392325	0.3277498	µg/L	83.54%
Zn 206.200	7.9	1.98837	1.478870	µg/L	1.98837	1.478870	µg/L	74.38%

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

ID: 1002004-08 Date: 2/8/10 9:17:04 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	398333.2	398333.2	100.2	µg/L		
1	Y 360.064	245124.1	245124.1	101.0	µg/L		
1	Ag 328.068	7.1	7.1	1.13967	µg/L	1.13967	µg/L
1	Al 396.140	12448.6	12422.2	1651.57	µg/L	1651.57	µg/L
1	As 188.979	8.6	8.6	0.688761	µg/L	0.688761	µg/L
1	B 249.773	715.6	714.0	44.3348	µg/L	44.3348	µg/L
1	Ba 455.403	25854.1	25799.3	27.0769	µg/L	27.0769	µg/L
1	Be 234.861	113.0	112.8	0.0451091	µg/L	0.0451091	µg/L
1	Ca 315.887	104301.6	104080.7	10.5948	mg/L	10.5948	mg/L
1	Cd 214.438	49.2	49.1	0.517962	µg/L	0.517962	µg/L
1	Ce 413.765	-133.6	-133.3	12.1115	µg/L	0.0121115	mg/L
1	Co 228.616	-6.3	-6.3	2.02422	µg/L	2.02422	µg/L
1	Cr 205.560	53.9	53.7	4.61846	µg/L	4.61846	µg/L
1	Cu 327.394	69.1	69.0	8.22058	µg/L	8.22058	µg/L
1	Fe 238.204	17852.6	17814.8	1995.68	µg/L	1995.68	µg/L
1	K 766.514	3174.5	3167.8	0.333732	mg/L	0.333732	mg/L
1	Li 670.781	821.1	819.4	1.08859	µg/L	1.08859	µg/L
1	Mg 279.074	1150.7	1148.3	0.930080	mg/L	0.930080	mg/L
1	Mn 257.610	7802.7	7786.2	106.917	µg/L	106.917	µg/L
1	Mo 202.031	11.6	11.6	7.93109	µg/L	7.93109	µg/L
1	Na 589.594	153531.7	153206.5	10.1513	mg/L	10.1513	mg/L
1	Ni 231.603	87.1	86.9	2.63466	µg/L	2.63466	µg/L
1	Pb 220.353	-9.6	-9.6	-21.3866	µg/L	-21.3866	µg/L
1	Sb 206.831	-4.0	-4.0	-17.5447	µg/L	-17.5447	µg/L
1	Se 196.026	73.1	73.0	76.3493	µg/L	76.3493	µg/L
1	Si 251.611	16582.1	16547.0	3382.57	µg/L	3382.57	µg/L
1	Sn 189.933	-3.9	-3.9	-9.25861	µg/L	-9.25861	µg/L
1	Sr 407.771	36080.3	36003.8	23.3412	µg/L	23.3412	µg/L
1	Ti 334.941	5030.9	5020.3	37.7042	µg/L	37.7042	µg/L
1	Tl 190.800	17.4	17.4	-1.14067	µg/L	-1.14067	µg/L
1	V 292.402	-173.7	-173.4	6.27786	µg/L	6.27786	µg/L
1	Zn 206.200	32.5	32.4	13.4279	µg/L	13.4279	µg/L
2	Sc 357.253	396229.0	396229.0	99.7	µg/L		
2	Y 360.064	243885.3	243885.3	100.5	µg/L		
2	Ag 328.068	32.7	32.8	2.18288	µg/L	2.18288	µg/L
2	Al 396.140	12560.7	12600.7	1675.40	µg/L	1675.40	µg/L
2	As 188.979	13.7	13.7	30.5442	µg/L	30.5442	µg/L
2	B 249.773	752.3	754.6	48.4182	µg/L	48.4182	µg/L
2	Ba 455.403	25969.1	26051.7	27.4821	µg/L	27.4821	µg/L
2	Be 234.861	123.3	123.6	0.169718	µg/L	0.169718	µg/L
2	Ca 315.887	105025.0	105359.1	10.7245	mg/L	10.7245	mg/L
2	Cd 214.438	61.1	61.3	2.41288	µg/L	2.41288	µg/L
2	Ce 413.765	-185.0	-185.6	3.95363	µg/L	0.0039536	mg/L
2	Co 228.616	-15.2	-15.3	-0.764837	µg/L	-0.764837	µg/L
2	Cr 205.560	53.1	53.2	4.13879	µg/L	4.13879	µg/L
2	Cu 327.394	48.3	48.5	6.78610	µg/L	6.78610	µg/L
2	Fe 238.204	17965.3	18022.4	2019.07	µg/L	2019.07	µg/L
2	K 766.514	3032.2	3041.9	0.294637	mg/L	0.294637	mg/L
2	Li 670.781	694.1	696.3	0.307003	µg/L	0.307003	µg/L
2	Mg 279.074	1207.7	1211.5	0.981867	mg/L	0.981867	mg/L
2	Mn 257.610	7940.5	7965.8	109.358	µg/L	109.358	µg/L
2	Mo 202.031	2.9	2.9	-5.40109	µg/L	-5.40109	µg/L
2	Na 589.594	154948.5	155441.4	10.3031	mg/L	10.3031	mg/L
2	Ni 231.603	83.6	83.8	0.818777	µg/L	0.818777	µg/L
2	Pb 220.353	10.6	10.7	55.1818	µg/L	55.1818	µg/L
2	Sb 206.831	4.9	4.9	28.1365	µg/L	28.1365	µg/L
2	Se 196.026	72.7	72.9	75.5921	µg/L	75.5921	µg/L
2	Si 251.611	16769.5	16822.8	3442.97	µg/L	3442.97	µg/L
2	Sn 189.933	-2.7	-2.7	2.99260	µg/L	2.99260	µg/L
2	Sr 407.771	36446.4	36562.3	23.7432	µg/L	23.7432	µg/L
2	Ti 334.941	5150.1	5166.5	39.3316	µg/L	39.3316	µg/L
2	Tl 190.800	15.4	15.5	-12.8652	µg/L	-12.8652	µg/L
2	V 292.402	-260.9	-261.8	0.441179	µg/L	0.441179	µg/L
2	Zn 206.200	33.0	33.1	13.7791	µg/L	13.7791	µg/L

Mean Data

ID: 1002004-08 Seq. No.: 25 Sample No.: 14 A/S Pos: 30
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 9:17:04 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	397281.1	99.9	0.37	µg/L				0.37%
Y 360.064	244504.7	100.8	0.36	µg/L				0.36%
Ag 328.068	19.9	1.66127	0.737657	µg/L	1.66127	0.737657	µg/L	44.40%
Al 396.140	12511.4	1663.49	16.851	µg/L	1663.49	16.851	µg/L	1.01%
As 188.979	11.2	15.6165	21.11100	µg/L	15.6165	21.11100	µg/L	135.18%
B 249.773	734.3	46.3765	2.88741	µg/L	46.3765	2.88741	µg/L	6.23%
Ba 455.403	25925.5	27.2795	0.28648	µg/L	27.2795	0.28648	µg/L	1.05%
Be 234.861	118.2	0.107413	0.0881116	µg/L	0.107413	0.0881116	µg/L	82.03%
Ca 315.887	104719.9	10.6597	0.09174	mg/L	10.6597	0.09174	mg/L	0.86%
Cd 214.438	55.2	1.46542	1.339911	µg/L	1.46542	1.339911	µg/L	91.44%
Ce 413.765	-159.5	8.03258	5.768503	µg/L	0.0080326	0.00576850	mg/L	71.81%
Co 228.616	-10.8	0.629690	1.9721584	µg/L	0.629690	1.9721584	µg/L	313.20%
Cr 205.560	53.5	4.37863	0.339179	µg/L	4.37863	0.339179	µg/L	7.75%
Cu 327.394	58.7	7.50334	1.014331	µg/L	7.50334	1.014331	µg/L	13.52%
Fe 238.204	17918.6	2007.38	16.533	µg/L	2007.38	16.533	µg/L	0.82%
K 766.514	3104.9	0.314184	0.0276448	mg/L	0.314184	0.0276448	mg/L	8.80%
Li 670.781	757.8	0.697797	0.5526668	µg/L	0.697797	0.5526668	µg/L	79.20%
Mg 279.074	1179.9	0.955973	0.0366185	mg/L	0.955973	0.0366185	mg/L	3.83%
Mn 257.610	7876.0	108.137	1.7265	µg/L	108.137	1.7265	µg/L	1.60%
Mo 202.031	7.2	1.26500	9.427278	µg/L	1.26500	9.427278	µg/L	745.24%
Na 589.594	154323.9	10.2272	0.10733	mg/L	10.2272	0.10733	mg/L	1.05%
Ni 231.603	85.4	1.72672	1.284022	µg/L	1.72672	1.284022	µg/L	74.36%
Pb 220.353	0.5	16.8976	54.14205	µg/L	16.8976	54.14205	µg/L	320.41%
Sb 206.831	0.5	5.29589	32.301465	µg/L	5.29589	32.301465	µg/L	609.93%
Se 196.026	72.9	75.9707	0.53542	µg/L	75.9707	0.53542	µg/L	0.70%
Si 251.611	16684.9	3412.77	42.709	µg/L	3412.77	42.709	µg/L	1.25%
Sn 189.933	-3.3	-3.13301	8.662915	µg/L	-3.13301	8.662915	µg/L	276.50%
Sr 407.771	36283.1	23.5422	0.28423	µg/L	23.5422	0.28423	µg/L	1.21%
Ti 334.941	5093.4	38.5179	1.15076	µg/L	38.5179	1.15076	µg/L	2.99%
Tl 190.800	16.4	-7.00293	8.290484	µg/L	-7.00293	8.290484	µg/L	118.39%
V 292.402	-217.6	3.35952	4.127154	µg/L	3.35952	4.127154	µg/L	122.85%
Zn 206.200	32.8	13.6035	0.24834	µg/L	13.6035	0.24834	µg/L	1.83%

Replicate Data
ID: 1000900-ms2 Date: 2/8/10 9:20:32 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	398147.8	398147.8	100.2	µg/L		
1	Y 360.064	245323.1	245323.1	101.1	µg/L		
1	Ag 328.068	6033.4	6023.4	245.357	µg/L	245.357	µg/L
1	Al 396.140	33182.2	33127.4	4416.73	µg/L	4416.73	µg/L
1	As 188.979	223.9	223.6	1260.84	µg/L	1260.84	µg/L
1	B 249.773	3035.0	3030.0	277.259	µg/L	277.259	µg/L
1	Ba 455.403	198705.5	198376.9	304.131	µg/L	304.131	µg/L
1	Be 234.861	2351.0	2347.1	25.7220	µg/L	25.7220	µg/L
1	Ca 315.887	231422.7	231040.0	23.4792	mg/L	23.4792	mg/L
1	Cd 214.438	1676.7	1673.9	252.450	µg/L	252.450	µg/L
1	Ce 413.765	-186.8	-186.5	3.81753	µg/L	0.0038175	mg/L
1	Co 228.616	807.6	806.2	253.410	µg/L	253.410	µg/L
1	Cr 205.560	341.9	341.3	266.170	µg/L	266.170	µg/L
1	Cu 327.394	3738.9	3732.7	264.272	µg/L	264.272	µg/L
1	Fe 238.204	31246.7	31195.1	3502.51	µg/L	3502.51	µg/L
1	K 766.514	44858.9	44784.8	13.2592	mg/L	13.2592	mg/L
1	Li 670.781	41264.8	41196.5	257.399	µg/L	257.399	µg/L
1	Mg 279.074	17286.0	17257.4	14.1223	mg/L	14.1223	mg/L
1	Mn 257.610	32929.3	32874.9	447.992	µg/L	447.992	µg/L
1	Mo 202.031	175.1	174.8	260.011	µg/L	260.011	µg/L
1	Na 589.594	286592.5	286118.5	19.1496	mg/L	19.1496	mg/L
1	Ni 231.603	538.4	537.5	269.745	µg/L	269.745	µg/L
1	Pb 220.353	68.4	68.3	272.592	µg/L	272.592	µg/L
1	Sb 206.831	244.6	244.2	1266.90	µg/L	1266.90	µg/L
1	Se 196.026	251.8	251.4	1442.00	µg/L	1442.00	µg/L
1	Si 251.611	29346.0	29297.5	6174.62	µg/L	6174.62	µg/L
1	Sn 189.933	126.2	125.9	1322.15	µg/L	1322.15	µg/L

1 Sr 407.771	397606.0	396948.5	283.134 µg/L	283.134 µg/L	
1 Ti 334.941	30639.6	30589.0	322.262 µg/L	322.262 µg/L	
1 Tl 190.800	213.5	213.2	1207.94 µg/L	1207.94 µg/L	
1 V 292.402	3681.2	3675.1	260.317 µg/L	260.317 µg/L	
1 Zn 206.200	582.2	581.3	269.520 µg/L	269.520 µg/L	
2 Sc 357.253	401337.3	401337.3	101.0 µg/L		
2 Y 360.064	247366.5	247366.5	101.9 µg/L		
2 Ag 328.068	6140.1	6081.3	247.703 µg/L	247.703 µg/L	
2 Al 396.140	33518.8	33197.4	4426.08 µg/L	4426.08 µg/L	
2 As 188.979	229.0	226.8	1280.12 µg/L	1280.12 µg/L	
2 B 249.773	3067.7	3038.3	278.100 µg/L	278.100 µg/L	
2 Ba 455.403	200758.7	198833.9	304.865 µg/L	304.865 µg/L	
2 Be 234.861	2434.2	2410.8	26.4549 µg/L	26.4549 µg/L	
2 Ca 315.887	235564.4	233305.9	23.7091 mg/L	23.7091 mg/L	
2 Cd 214.438	1699.2	1682.9	253.837 µg/L	253.837 µg/L	
2 Ce 413.765	-46.1	-45.7	25.7754 µg/L	0.0257754 mg/L	
2 Co 228.616	818.3	810.5	254.726 µg/L	254.726 µg/L	
2 Cr 205.560	346.9	343.6	268.235 µg/L	268.235 µg/L	
2 Cu 327.394	3655.3	3620.2	256.414 µg/L	256.414 µg/L	
2 Fe 238.204	31913.3	31607.3	3548.93 µg/L	3548.93 µg/L	
2 K 766.514	45169.4	44736.4	13.2442 mg/L	13.2442 mg/L	
2 Li 670.781	41592.8	41194.0	257.383 µg/L	257.383 µg/L	
2 Mg 279.074	17532.9	17364.8	14.2103 mg/L	14.2103 mg/L	
2 Mn 257.610	33514.4	33193.1	452.318 µg/L	452.318 µg/L	
2 Mo 202.031	180.0	178.3	265.446 µg/L	265.446 µg/L	
2 Na 589.594	288675.1	285907.4	19.1353 mg/L	19.1353 mg/L	
2 Ni 231.603	529.0	524.0	261.728 µg/L	261.728 µg/L	
2 Pb 220.353	62.3	61.7	247.804 µg/L	247.804 µg/L	
2 Sb 206.831	253.6	251.2	1303.39 µg/L	1303.39 µg/L	
2 Se 196.026	233.9	231.7	1290.86 µg/L	1290.86 µg/L	
2 Si 251.611	29707.6	29422.7	6202.05 µg/L	6202.05 µg/L	
2 Sn 189.933	126.0	124.8	1310.47 µg/L	1310.47 µg/L	
2 Sr 407.771	401998.4	398144.2	283.995 µg/L	283.995 µg/L	
2 Ti 334.941	31010.8	30713.5	323.648 µg/L	323.648 µg/L	
2 Tl 190.800	219.6	217.5	1234.45 µg/L	1234.45 µg/L	
2 V 292.402	3759.5	3723.4	263.503 µg/L	263.503 µg/L	
2 Zn 206.200	591.6	586.0	271.715 µg/L	271.715 µg/L	

Mean Data

ID: 1000900-ms2 Seq. No.: 26 Sample No.: 15 A/S Pos: 31
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 9:20:32 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	399742.5	100.6	0.57	µg/L				0.56%
Y 360.064	246344.8	101.5	0.60	µg/L				0.59%
Ag 328.068	6052.3	246.530	1.6595	µg/L	246.530	1.6595	µg/L	0.67%
Al 396.140	33162.4	4421.40	6.613	µg/L	4421.40	6.613	µg/L	0.15%
As 188.979	225.2	1270.48	13.631	µg/L	1270.48	13.631	µg/L	1.07%
B 249.773	3034.1	277.680	0.5944	µg/L	277.680	0.5944	µg/L	0.21%
Ba 455.403	198605.4	304.498	0.5189	µg/L	304.498	0.5189	µg/L	0.17%
Be 234.861	2379.0	26.0885	0.51826	µg/L	26.0885	0.51826	µg/L	1.99%
Ca 315.887	232172.9	23.5942	0.16259	mg/L	23.5942	0.16259	mg/L	0.69%
Cd 214.438	1678.4	253.143	0.9803	µg/L	253.143	0.9803	µg/L	0.39%
Ce 413.765	-116.1	14.7965	15.52654	µg/L	0.0147965	0.01552654	mg/L	104.93%
Co 228.616	808.4	254.068	0.9304	µg/L	254.068	0.9304	µg/L	0.37%
Cr 205.560	342.4	267.203	1.4603	µg/L	267.203	1.4603	µg/L	0.55%
Cu 327.394	3676.5	260.343	5.5560	µg/L	260.343	5.5560	µg/L	2.13%
Fe 238.204	31401.2	3525.72	32.827	µg/L	3525.72	32.827	µg/L	0.93%
K 766.514	44760.6	13.2517	0.01061	mg/L	13.2517	0.01061	mg/L	0.08%
Li 670.781	41195.3	257.391	0.0114	µg/L	257.391	0.0114	µg/L	0.00%
Mg 279.074	17311.1	14.1663	0.06218	mg/L	14.1663	0.06218	mg/L	0.44%
Mn 257.610	33034.0	450.155	3.0589	µg/L	450.155	3.0589	µg/L	0.68%
Mo 202.031	176.5	262.728	3.8426	µg/L	262.728	3.8426	µg/L	1.46%
Na 589.594	286013.0	19.1424	0.01010	mg/L	19.1424	0.01010	mg/L	0.05%
Ni 231.603	530.7	265.737	5.6685	µg/L	265.737	5.6685	µg/L	2.13%
Pb 220.353	65.0	260.198	17.5278	µg/L	260.198	17.5278	µg/L	6.74%
Sb 206.831	247.7	1285.15	25.796	µg/L	1285.15	25.796	µg/L	2.01%
Se 196.026	241.5	1366.43	106.870	µg/L	1366.43	106.870	µg/L	7.82%
Si 251.611	29360.1	6188.34	19.396	µg/L	6188.34	19.396	µg/L	0.31%

Sn 189.933	125.4	1316.31	8.258 µg/L	1316.31	8.258 µg/L	0.63%
Sr 407.771	397546.3	283.564	0.6086 µg/L	283.564	0.6086 µg/L	0.21%
Ti 334.941	30651.2	322.955	0.9799 µg/L	322.955	0.9799 µg/L	0.30%
Tl 190.800	215.3	1221.20	18.747 µg/L	1221.20	18.747 µg/L	1.54%
V 292.402	3699.3	261.910	2.2535 µg/L	261.910	2.2535 µg/L	0.86%
Zn 206.200	583.6	270.617	1.5520 µg/L	270.617	1.5520 µg/L	0.57%

Replicate Data

ID: 1000900-msd2 Date: 2/8/10 9:23:56 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	399824.1	399824.1	100.6	µg/L		
1	Y 360.064	245532.0	245532.0	101.2	µg/L		
1	Ag 328.068	5875.6	5841.2	237.961	µg/L	237.961	µg/L
1	Al 396.140	32389.5	32200.4	4292.93	µg/L	4292.93	µg/L
1	As 188.979	221.8	220.5	1243.23	µg/L	1243.23	µg/L
1	B 249.773	2988.6	2971.1	271.342	µg/L	271.342	µg/L
1	Ba 455.403	192986.0	191859.1	293.667	µg/L	293.667	µg/L
1	Be 234.861	2349.0	2335.3	25.5871	µg/L	25.5871	µg/L
1	Ca 315.887	230094.9	228751.4	23.2469	mg/L	23.2469	mg/L
1	Cd 214.438	1665.9	1656.2	249.698	µg/L	249.698	µg/L
1	Ce 413.765	-99.6	-99.0	17.4640	µg/L	0.0174640	mg/L
1	Co 228.616	808.8	804.1	252.735	µg/L	252.735	µg/L
1	Cr 205.560	332.2	330.3	256.166	µg/L	256.166	µg/L
1	Cu 327.394	3735.3	3713.5	262.931	µg/L	262.931	µg/L
1	Fe 238.204	31002.9	30821.9	3460.48	µg/L	3460.48	µg/L
1	K 766.514	43221.7	42969.3	12.6954	mg/L	12.6954	mg/L
1	Li 670.781	40046.0	39812.2	248.612	µg/L	248.612	µg/L
1	Mg 279.074	16893.4	16794.8	13.7435	mg/L	13.7435	mg/L
1	Mn 257.610	32292.5	32103.9	437.511	µg/L	437.511	µg/L
1	Mo 202.031	175.3	174.2	259.172	µg/L	259.172	µg/L
1	Na 589.594	276550.9	274936.0	18.3926	mg/L	18.3926	mg/L
1	Ni 231.603	524.4	521.3	260.167	µg/L	260.167	µg/L
1	Pb 220.353	64.1	63.7	255.350	µg/L	255.350	µg/L
1	Sb 206.831	236.0	234.6	1217.29	µg/L	1217.29	µg/L
1	Se 196.026	226.5	225.2	1241.29	µg/L	1241.29	µg/L
1	Si 251.611	29139.7	28969.6	6102.83	µg/L	6102.83	µg/L
1	Sn 189.933	127.4	126.6	1328.95	µg/L	1328.95	µg/L
1	Sr 407.771	386354.5	384098.5	273.885	µg/L	273.885	µg/L
1	Ti 334.941	30114.8	29939.0	315.029	µg/L	315.029	µg/L
1	Tl 190.800	225.9	224.6	1278.50	µg/L	1278.50	µg/L
1	V 292.402	3601.3	3580.3	254.056	µg/L	254.056	µg/L
1	Zn 206.200	612.8	609.2	282.544	µg/L	282.544	µg/L
2	Sc 357.253	404897.8	404897.8	101.9	µg/L		
2	Y 360.064	248737.9	248737.9	102.5	µg/L		
2	Ag 328.068	5872.5	5765.1	234.870	µg/L	234.870	µg/L
2	Al 396.140	32531.5	31936.3	4257.66	µg/L	4257.66	µg/L
2	As 188.979	220.3	216.3	1218.31	µg/L	1218.31	µg/L
2	B 249.773	3042.6	2987.0	272.935	µg/L	272.935	µg/L
2	Ba 455.403	195203.0	191631.4	293.302	µg/L	293.302	µg/L
2	Be 234.861	2360.1	2316.9	25.3756	µg/L	25.3756	µg/L
2	Ca 315.887	232921.3	228659.6	23.2376	mg/L	23.2376	mg/L
2	Cd 214.438	1675.4	1644.7	247.923	µg/L	247.923	µg/L
2	Ce 413.765	-158.1	-155.2	8.70041	µg/L	0.0087004	mg/L
2	Co 228.616	799.0	784.4	246.658	µg/L	246.658	µg/L
2	Cr 205.560	341.5	335.3	260.687	µg/L	260.687	µg/L
2	Cu 327.394	3676.1	3608.8	255.617	µg/L	255.617	µg/L
2	Fe 238.204	31217.4	30646.2	3440.70	µg/L	3440.70	µg/L
2	K 766.514	43769.1	42968.2	12.6951	mg/L	12.6951	mg/L
2	Li 670.781	40522.0	39780.6	248.411	µg/L	248.411	µg/L
2	Mg 279.074	17061.4	16749.3	13.7062	mg/L	13.7062	mg/L
2	Mn 257.610	32384.7	31792.1	433.272	µg/L	433.272	µg/L
2	Mo 202.031	182.3	179.0	266.441	µg/L	266.441	µg/L
2	Na 589.594	279892.9	274771.7	18.3814	mg/L	18.3814	mg/L
2	Ni 231.603	528.9	519.2	258.909	µg/L	258.909	µg/L
2	Pb 220.353	64.6	63.4	254.184	µg/L	254.184	µg/L
2	Sb 206.831	243.3	238.8	1239.37	µg/L	1239.37	µg/L
2	Se 196.026	235.9	231.6	1290.58	µg/L	1290.58	µg/L
2	Si 251.611	29160.8	28627.2	6027.86	µg/L	6027.86	µg/L

2 Sn 189.933	117.8	115.7	1216.77 µg/L	1216.77 µg/L	
2 Sr 407.771	391191.0	384033.3	273.838 µg/L	273.838 µg/L	
2 Ti 334.941	30264.2	29710.4	312.485 µg/L	312.485 µg/L	
2 Tl 190.800	225.1	221.0	1256.34 µg/L	1256.34 µg/L	
2 V 292.402	3655.3	3588.4	254.593 µg/L	254.593 µg/L	
2 Zn 206.200	613.9	602.6	279.491 µg/L	279.491 µg/L	

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

ID: 1000900-msd2 Seq. No.: 27 Sample No.: 16 A/S Pos: 32
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 9:23:56 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	402361.0	101.2	0.90	µg/L				0.89%
Y 360.064	247134.9	101.8	0.93	µg/L				0.92%
Ag 328.068	5803.2	236.415	2.1858	µg/L	236.415	2.1858	µg/L	0.92%
Al 396.140	32068.3	4275.29	24.943	µg/L	4275.29	24.943	µg/L	0.58%
As 188.979	218.4	1230.77	17.617	µg/L	1230.77	17.617	µg/L	1.43%
B 249.773	2979.1	272.138	1.1261	µg/L	272.138	1.1261	µg/L	0.41%
Ba 455.403	191745.2	293.485	0.2586	µg/L	293.485	0.2586	µg/L	0.09%
Be 234.861	2326.1	25.4813	0.14950	µg/L	25.4813	0.14950	µg/L	0.59%
Ca 315.887	228705.5	23.2422	0.00659	mg/L	23.2422	0.00659	mg/L	0.03%
Cd 214.438	1650.5	248.811	1.2548	µg/L	248.811	1.2548	µg/L	0.50%
Ce 413.765	-127.1	13.0822	6.19679	µg/L	0.0130822	0.00619679	mg/L	47.37%
Co 228.616	794.2	249.697	4.2972	µg/L	249.697	4.2972	µg/L	1.72%
Cr 205.560	332.8	258.426	3.1964	µg/L	258.426	3.1964	µg/L	1.24%
Cu 327.394	3661.2	259.274	5.1718	µg/L	259.274	5.1718	µg/L	1.99%
Fe 238.204	30734.0	3450.59	13.985	µg/L	3450.59	13.985	µg/L	0.41%
K 766.514	42968.8	12.6952	0.00023	mg/L	12.6952	0.00023	mg/L	0.00%
Li 670.781	39796.4	248.511	0.1418	µg/L	248.511	0.1418	µg/L	0.06%
Mg 279.074	16772.0	13.7249	0.02634	mg/L	13.7249	0.02634	mg/L	0.19%
Mn 257.610	31948.0	435.392	2.9974	µg/L	435.392	2.9974	µg/L	0.69%
Mo 202.031	176.6	262.807	5.1400	µg/L	262.807	5.1400	µg/L	1.96%
Na 589.594	274853.8	18.3870	0.00788	mg/L	18.3870	0.00788	mg/L	0.04%
Ni 231.603	520.3	259.538	0.8898	µg/L	259.538	0.8898	µg/L	0.34%
Pb 220.353	63.6	254.767	0.8245	µg/L	254.767	0.8245	µg/L	0.32%
Sb 206.831	236.7	1228.33	15.612	µg/L	1228.33	15.612	µg/L	1.27%
Se 196.026	228.4	1265.93	34.856	µg/L	1265.93	34.856	µg/L	2.75%
Si 251.611	28798.4	6065.34	53.010	µg/L	6065.34	53.010	µg/L	0.87%
Sn 189.933	121.1	1272.86	79.327	µg/L	1272.86	79.327	µg/L	6.23%
Sr 407.771	384065.9	273.862	0.0332	µg/L	273.862	0.0332	µg/L	0.01%
Ti 334.941	29824.7	313.757	1.7986	µg/L	313.757	1.7986	µg/L	0.57%
Tl 190.800	222.8	1267.42	15.668	µg/L	1267.42	15.668	µg/L	1.24%
V 292.402	3584.4	254.324	0.3800	µg/L	254.324	0.3800	µg/L	0.15%
Zn 206.200	605.9	281.017	2.1586	µg/L	281.017	2.1586	µg/L	0.77%

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

ID: 0b08006-srd2 Date: 2/8/10 9:27:16 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	409680.0	409680.0	103.1	µg/L		
1	Y 360.064	252301.3	252301.3	104.0	µg/L		
1	Ag 328.068	-17.0	-16.5	0.181310	µg/L	0.906548	µg/L
1	Al 396.140	2390.7	2319.6	302.372	µg/L	1511.86	µg/L
1	As 188.979	14.3	13.9	31.3452	µg/L	156.726	µg/L
1	B 249.773	310.3	301.0	2.79622	µg/L	13.9811	µg/L
1	Ba 455.403	12003.7	11646.5	4.35627	µg/L	21.7813	µg/L
1	Be 234.861	99.1	96.2	-0.145823	µg/L	-0.729113	µg/L
1	Ca 315.887	20664.7	20049.7	2.06723	mg/L	10.3361	mg/L
1	Cd 214.438	45.6	44.2	-0.239850	µg/L	-1.19925	µg/L
1	Ce 413.765	-195.1	-189.3	3.37531	µg/L	0.0168766	mg/L
1	Co 228.616	-15.8	-15.3	-0.764293	µg/L	-3.82146	µg/L
1	Cr 205.560	46.8	45.4	-2.99501	µg/L	-14.9750	µg/L
1	Cu 327.394	24.9	24.1	5.08439	µg/L	25.4219	µg/L
1	Fe 238.204	3681.6	3572.1	391.739	µg/L	1958.70	µg/L
1	K 766.514	2467.0	2393.6	0.0925307	mg/L	0.462654	mg/L
1	Li 670.781	449.3	436.0	-1.34536	µg/L	-6.72679	µg/L
1	Mg 279.074	255.0	247.4	0.192221	mg/L	0.961107	mg/L
1	Mn 257.610	1399.5	1357.8	19.5247	µg/L	97.6235	µg/L

1 Mo 202.031	5.7	5.5	-1.39066 µg/L	-6.95329 µg/L	
1 Na 589.594	32807.4	31831.1	1.93545 mg/L	9.67723 mg/L	
1 Ni 231.603	87.6	85.0	1.48871 µg/L	7.44357 µg/L	
1 Pb 220.353	-12.3	-11.9	-30.0123 µg/L	-150.062 µg/L	
1 Sb 206.831	0.2	0.2	4.00088 µg/L	20.0044 µg/L	
1 Se 196.026	75.4	73.2	77.7743 µg/L	388.872 µg/L	
1 Si 251.611	4234.8	4108.8	658.891 µg/L	3294.46 µg/L	
1 Sn 189.933	-1.6	-1.5	15.2660 µg/L	76.3301 µg/L	
1 Sr 407.771	7714.8	7485.3	2.81473 µg/L	14.0737 µg/L	
1 Ti 334.941	2361.0	2290.7	7.32693 µg/L	36.6346 µg/L	
1 Tl 190.800	27.5	26.7	56.1771 µg/L	280.886 µg/L	
1 V 292.402	-322.3	-312.7	-2.92179 µg/L	-14.6090 µg/L	
1 Zn 206.200	-0.9	-0.9	-2.08642 µg/L	-10.4321 µg/L	
2 Sc 357.253	408104.0	408104.0	102.7 µg/L		
2 Y 360.064	252037.1	252037.1	103.9 µg/L		
2 Ag 328.068	-65.8	-64.1	-1.75139 µg/L	-8.75694 µg/L	
2 Al 396.140	2393.3	2331.1	303.910 µg/L	1519.55 µg/L	
2 As 188.979	12.2	11.9	19.5965 µg/L	97.9824 µg/L	
2 B 249.773	303.7	295.8	2.27301 µg/L	11.3650 µg/L	
2 Ba 455.403	11813.9	11506.6	4.13162 µg/L	20.6581 µg/L	
2 Be 234.861	110.5	107.6	-0.0142788 µg/L	-0.0713939 µg/L	
2 Ca 315.887	20789.3	20248.6	2.08741 mg/L	10.4370 mg/L	
2 Cd 214.438	54.7	53.3	1.16453 µg/L	5.82266 µg/L	
2 Ce 413.765	-155.6	-151.5	9.27259 µg/L	0.0463629 mg/L	
2 Co 228.616	-6.0	-5.9	2.14620 µg/L	10.7310 µg/L	
2 Cr 205.560	58.3	56.8	7.37447 µg/L	36.8724 µg/L	
2 Cu 327.394	-74.5	-72.6	-1.67485 µg/L	-8.37427 µg/L	
2 Fe 238.204	3729.2	3632.2	398.507 µg/L	1992.53 µg/L	
2 K 766.514	2292.8	2233.2	0.0427201 mg/L	0.213601 mg/L	
2 Li 670.781	498.8	485.8	-1.02894 µg/L	-5.14472 µg/L	
2 Mg 279.074	230.0	224.1	0.173111 mg/L	0.865554 mg/L	
2 Mn 257.610	1392.4	1356.2	19.5026 µg/L	97.5128 µg/L	
2 Mo 202.031	6.1	6.0	-0.723745 µg/L	-3.61873 µg/L	
2 Na 589.594	33242.0	32377.4	1.97242 mg/L	9.86212 mg/L	
2 Ni 231.603	88.3	86.0	2.09429 µg/L	10.4714 µg/L	
2 Pb 220.353	-2.3	-2.2	6.60113 µg/L	33.0056 µg/L	
2 Sb 206.831	-2.3	-2.2	-8.57424 µg/L	-42.8712 µg/L	
2 Se 196.026	78.1	76.1	100.254 µg/L	501.268 µg/L	
2 Si 251.611	4244.3	4133.9	664.394 µg/L	3321.97 µg/L	
2 Sn 189.933	-2.3	-2.3	7.69378 µg/L	38.4689 µg/L	
2 Sr 407.771	7707.1	7506.7	2.83014 µg/L	14.1507 µg/L	
2 Ti 334.941	2492.4	2427.5	8.84952 µg/L	44.2476 µg/L	
2 Tl 190.800	8.3	8.1	-58.2687 µg/L	-291.343 µg/L	
2 V 292.402	-287.7	-280.2	-0.773215 µg/L	-3.86607 µg/L	
2 Zn 206.200	5.6	5.4	0.843620 µg/L	4.21810 µg/L	

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

ID: 0b08006-srd2 Seq. No.: 28 Sample No.: 17 A/S Pos: 33

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

Data: Original Date: 2/8/10 9:27:16 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	408892.0	102.9	0.28	µg/L				0.27%
Y 360.064	252169.2	103.9	0.08	µg/L				0.07%
Ag 328.068	-40.3	-0.785039	1.3666239	µg/L	-3.92520	6.833119	µg/L	174.08%
Al 396.140	2325.3	303.141	1.0876	µg/L	1515.71	5.438	µg/L	0.36%
As 188.979	12.9	25.4709	8.30761	µg/L	127.354	41.5380	µg/L	32.62%
B 249.773	298.4	2.53461	0.369964	µg/L	12.6731	1.84982	µg/L	14.60%
Ba 455.403	11576.6	4.24394	0.158851	µg/L	21.2197	0.79426	µg/L	3.74%
Be 234.861	101.9	-0.0800507	0.09301549	µg/L	-0.400253	0.4650775	µg/L	116.20%
Ca 315.887	20149.2	2.07732	0.014270	mg/L	10.3866	0.07135	mg/L	0.69%
Cd 214.438	48.7	0.462341	0.9930483	µg/L	2.31171	4.965242	µg/L	214.79%
Ce 413.765	-170.4	6.32395	4.170000	µg/L	0.0316198	0.02085000	mg/L	65.94%
Co 228.616	-10.6	0.690953	2.0580286	µg/L	3.45477	10.290143	µg/L	297.85%
Cr 205.560	51.1	2.18973	7.332328	µg/L	10.9487	36.66164	µg/L	334.85%
Cu 327.394	-24.2	1.70477	4.779506	µg/L	8.52383	23.897529	µg/L	280.36%
Fe 238.204	3602.1	395.123	4.7852	µg/L	1975.62	23.926	µg/L	1.21%
K 766.514	2313.4	0.0676254	0.03522142	mg/L	0.338127	0.1761071	mg/L	52.08%
Li 670.781	460.9	-1.18715	0.223738	µg/L	-5.93576	1.118691	µg/L	18.85%
Mg 279.074	235.7	0.182666	0.0135133	mg/L	0.913330	0.0675663	mg/L	7.40%

Mn 257.610	1357.0	~~19.5136~~	0.01567 µg/L	97.5682	0.07834 µg/L	0.08%
Mo 202.031	5.7	-1.05720	0.471579 µg/L	-5.28601	2.357893 µg/L	44.61%
Na 589.594	32104.3	1.95393	0.026148 mg/L	9.76967	0.130741 mg/L	1.34%
Ni 231.603	85.5	1.79150	0.428207 µg/L	8.95751	2.141034 µg/L	23.90%
Pb 220.353	-7.1	-11.7056	25.88961 µg/L	-58.5280	129.44807 µg/L	221.17%
Sb 206.831	-1.0	-2.28668	8.891958 µg/L	-11.4334	44.45979 µg/L	388.86%
Se 196.026	74.6	89.0140	15.89527 µg/L	445.070	79.4763 µg/L	17.86%
Si 251.611	4121.3	661.643	3.8912 µg/L	3308.21	19.456 µg/L	0.59%
Sn 189.933	-1.9	11.4799	5.35439 µg/L	57.3995	26.77194 µg/L	46.64%
Sr 407.771	7496.0	2.82244	0.010893 µg/L	14.1122	0.05446 µg/L	0.39%
Ti 334.941	2359.1	8.08822	1.076633 µg/L	40.4411	5.38316 µg/L	13.31%
Tl 190.800	17.4	-1.04577	80.925392 µg/L	-5.22886	404.626962 µg/L	>999.9%
V 292.402	-296.4	-1.84750	1.519275 µg/L	-9.23752	7.596375 µg/L	82.23%
Zn 206.200	2.3	-0.621400	2.0718518 µg/L	-3.10700	10.359259 µg/L	333.42%

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

ID: 1000900-ps2 Date: 2/8/10 9:30:38 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	410646.0	410646.0	103.3	µg/L		
1	Y 360.064	252473.9	252473.9	104.0	µg/L		
1	Ag 328.068	6143.9	5947.0	242.255	µg/L	242.255	µg/L
1	Al 396.140	22129.2	21420.2	2853.25	µg/L	2853.25	µg/L
1	As 188.979	230.9	223.5	1260.30	µg/L	1260.30	µg/L
1	B 249.773	3302.8	3197.0	294.055	µg/L	294.055	µg/L
1	Ba 455.403	182295.0	176454.4	268.937	µg/L	268.937	µg/L
1	Be 234.861	2363.7	2287.9	25.0425	µg/L	25.0425	µg/L
1	Ca 315.887	229371.3	222022.5	22.5640	mg/L	22.5640	mg/L
1	Cd 214.438	1693.8	1639.5	247.112	µg/L	247.112	µg/L
1	Ce 413.765	-189.8	-183.7	4.24820	µg/L	0.0042482	mg/L
1	Co 228.616	809.9	784.0	246.517	µg/L	246.517	µg/L
1	Cr 205.560	340.4	329.5	255.401	µg/L	255.401	µg/L
1	Cu 327.394	3673.4	3555.7	251.902	µg/L	251.902	µg/L
1	Fe 238.204	19944.6	19305.6	2163.58	µg/L	2163.58	µg/L
1	K 766.514	44250.2	42832.5	12.6525	mg/L	12.6525	mg/L
1	Li 670.781	40615.7	39314.4	245.452	µg/L	245.452	µg/L
1	Mg 279.074	17012.5	16467.5	13.4765	mg/L	13.4765	mg/L
1	Mn 257.610	26630.5	25777.3	351.502	µg/L	351.502	µg/L
1	Mo 202.031	182.0	176.2	262.201	µg/L	262.201	µg/L
1	Na 589.594	339925.4	329034.6	22.0544	mg/L	22.0544	mg/L
1	Ni 231.603	512.1	495.7	244.975	µg/L	244.975	µg/L
1	Pb 220.353	66.3	64.2	257.218	µg/L	257.218	µg/L
1	Sb 206.831	258.5	250.2	1298.21	µg/L	1298.21	µg/L
1	Se 196.026	242.6	234.8	1314.99	µg/L	1314.99	µg/L
1	Si 251.611	22449.1	21729.9	4517.50	µg/L	4517.50	µg/L
1	Sn 189.933	125.9	121.9	1280.53	µg/L	1280.53	µg/L
1	Sr 407.771	391301.3	378764.5	270.046	µg/L	270.046	µg/L
1	Ti 334.941	28642.6	27724.9	290.388	µg/L	290.388	µg/L
1	Tl 190.800	230.8	223.4	1271.16	µg/L	1271.16	µg/L
1	V 292.402	3639.9	3523.3	250.291	µg/L	250.291	µg/L
1	Zn 206.200	573.8	555.4	257.440	µg/L	257.440	µg/L
2	Sc 357.253	411418.2	411418.2	103.5	µg/L		
2	Y 360.064	252970.6	252970.6	104.2	µg/L		
2	Ag 328.068	6214.5	6004.1	244.570	µg/L	244.570	µg/L
2	Al 396.140	22197.2	21445.7	2856.65	µg/L	2856.65	µg/L
2	As 188.979	234.7	226.8	1279.70	µg/L	1279.70	µg/L
2	B 249.773	3247.7	3137.7	288.098	µg/L	288.098	µg/L
2	Ba 455.403	183624.5	177407.8	270.467	µg/L	270.467	µg/L
2	Be 234.861	2378.8	2298.2	25.1607	µg/L	25.1607	µg/L
2	Ca 315.887	231892.5	224041.7	22.7690	mg/L	22.7690	mg/L
2	Cd 214.438	1706.0	1648.2	248.461	µg/L	248.461	µg/L
2	Ce 413.765	-245.9	-237.6	-4.14918	µg/L	-0.0041492	mg/L
2	Co 228.616	811.1	783.6	246.419	µg/L	246.419	µg/L
2	Cr 205.560	346.9	335.1	260.572	µg/L	260.572	µg/L
2	Cu 327.394	3730.8	3604.5	255.313	µg/L	255.313	µg/L
2	Fe 238.204	20016.4	19338.7	2167.30	µg/L	2167.30	µg/L
2	K 766.514	44537.9	43030.0	12.7139	mg/L	12.7139	mg/L
2	Li 670.781	40859.8	39476.5	246.481	µg/L	246.481	µg/L
2	Mg 279.074	17043.8	16466.8	13.4760	mg/L	13.4760	mg/L

2	Mn 257.610	26813.2	25905.4	353.243 µg/L	353.243 µg/L
2	Mo 202.031	173.3	167.5	248.715 µg/L	248.715 µg/L
2	Na 589.594	341415.8	329857.0	22.1101 mg/L	22.1101 mg/L
2	Ni 231.603	510.2	492.9	243.343 µg/L	243.343 µg/L
2	Pb 220.353	68.0	65.7	262.950 µg/L	262.950 µg/L
2	Sb 206.831	257.1	248.4	1288.58 µg/L	1288.58 µg/L
2	Se 196.026	238.3	230.2	1279.70 µg/L	1279.70 µg/L
2	Si 251.611	22567.6	21803.5	4533.63 µg/L	4533.63 µg/L
2	Sn 189.933	128.7	124.3	1305.56 µg/L	1305.56 µg/L
2	Sr 407.771	394403.4	381050.7	271.691 µg/L	271.691 µg/L
2	Ti 334.941	28644.3	27674.5	289.827 µg/L	289.827 µg/L
2	Tl 190.800	234.0	226.1	1287.80 µg/L	1287.80 µg/L
2	V 292.402	3670.4	3546.2	251.803 µg/L	251.803 µg/L
2	Zn 206.200	585.9	566.0	262.418 µg/L	262.418 µg/L

Mean Data

ID: 1000900-ps2 Seq. No.: 29 Sample No.: 18 A/S Pos: 34
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 9:30:38 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	411032.1	103.4	0.14	µg/L				0.13%
Y 360.064	252722.2	104.1	0.14	µg/L				0.14%
Ag 328.068	5975.5	243.412	1.6375	µg/L	243.412	1.6375	µg/L	0.67%
Al 396.140	21433.0	2854.95	2.401	µg/L	2854.95	2.401	µg/L	0.08%
As 188.979	225.1	1270.00	13.720	µg/L	1270.00	13.720	µg/L	1.08%
B 249.773	3167.3	291.076	4.2121	µg/L	291.076	4.2121	µg/L	1.45%
Ba 455.403	176931.1	269.702	1.0822	µg/L	269.702	1.0822	µg/L	0.40%
Be 234.861	2293.1	25.1016	0.08358	µg/L	25.1016	0.08358	µg/L	0.33%
Ca 315.887	223032.1	22.6665	0.14492	mg/L	22.6665	0.14492	mg/L	0.64%
Cd 214.438	1643.9	247.787	0.9536	µg/L	247.787	0.9536	µg/L	0.38%
Ce 413.765	-210.7	0.0495120	5.93784476	µg/L	0.0000495	0.00593784	mg/L	>999.9%
Co 228.616	783.8	246.468	0.0691	µg/L	246.468	0.0691	µg/L	0.03%
Cr 205.560	332.3	257.986	3.6561	µg/L	257.986	3.6561	µg/L	1.42%
Cu 327.394	3580.1	253.607	2.4124	µg/L	253.607	2.4124	µg/L	0.95%
Fe 238.204	19322.2	2165.44	2.636	µg/L	2165.44	2.636	µg/L	0.12%
K 766.514	42931.2	12.6832	0.04338	mg/L	12.6832	0.04338	mg/L	0.34%
Li 670.781	39395.5	245.966	0.7274	µg/L	245.966	0.7274	µg/L	0.30%
Mg 279.074	16467.1	13.4763	0.00038	mg/L	13.4763	0.00038	mg/L	0.00%
Mn 257.610	25841.3	352.372	1.2316	µg/L	352.372	1.2316	µg/L	0.35%
Mo 202.031	171.8	255.458	9.5359	µg/L	255.458	9.5359	µg/L	3.73%
Na 589.594	329445.8	22.0823	0.03940	mg/L	22.0823	0.03940	mg/L	0.18%
Ni 231.603	494.3	244.159	1.1540	µg/L	244.159	1.1540	µg/L	0.47%
Pb 220.353	65.0	260.084	4.0532	µg/L	260.084	4.0532	µg/L	1.56%
Sb 206.831	249.3	1293.39	6.807	µg/L	1293.39	6.807	µg/L	0.53%
Se 196.026	232.5	1297.34	24.949	µg/L	1297.34	24.949	µg/L	1.92%
Si 251.611	21766.7	4525.56	11.408	µg/L	4525.56	11.408	µg/L	0.25%
Sn 189.933	123.1	1293.05	17.699	µg/L	1293.05	17.699	µg/L	1.37%
Sr 407.771	379907.6	270.869	1.1636	µg/L	270.869	1.1636	µg/L	0.43%
Ti 334.941	27699.7	290.107	0.3967	µg/L	290.107	0.3967	µg/L	0.14%
Tl 190.800	224.8	1279.48	11.768	µg/L	1279.48	11.768	µg/L	0.92%
V 292.402	3534.7	251.047	1.0692	µg/L	251.047	1.0692	µg/L	0.43%
Zn 206.200	560.7	259.929	3.5202	µg/L	259.929	3.5202	µg/L	1.35%

Replicate Data

ID: 1002004-09 Date: 2/8/10 9:33:59 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	402066.4	402066.4	101.2	µg/L		
1	Y 360.064	246902.5	246902.5	101.7	µg/L		
1	Ag 328.068	26.8	26.5	1.92645	µg/L	1.92645	µg/L
1	Al 396.140	-26.4	-26.1	-10.8963	µg/L	-10.8963	µg/L
1	As 188.979	20.7	20.4	69.9436	µg/L	69.9436	µg/L
1	B 249.773	4029.4	3983.5	373.164	µg/L	373.164	µg/L
1	Ba 455.403	208412.7	206040.2	316.434	µg/L	316.434	µg/L
1	Be 234.861	95.5	94.5	-0.165742	µg/L	-0.165742	µg/L
1	Ca 315.887	210900.2	208499.4	21.1914	mg/L	21.1914	mg/L
1	Cd 214.438	52.0	51.4	0.875611	µg/L	0.875611	µg/L
1	Ce 413.765	-181.9	-179.8	4.86257	µg/L	0.0048626	mg/L

1	Co 228.616	-10.9	-10.8	0.624486 µg/L	0.624486 µg/L	
1	Cr 205.560	57.5	56.8	7.39195 µg/L	7.39195 µg/L	
1	Cu 327.394	-20.8	-20.6	1.95841 µg/L	1.95841 µg/L	
1	Fe 238.204	204.3	201.9	12.2094 µg/L	12.2094 µg/L	
1	K 766.514	4044.9	3998.9	0.591850 mg/L	0.591850 mg/L	
1	Li 670.781	712.9	704.8	0.361115 µg/L	0.361115 µg/L	
1	Mg 279.074	2386.6	2359.4	1.92459 mg/L	1.92459 mg/L	
1	Mn 257.610	5641.6	5577.4	76.8881 µg/L	76.8881 µg/L	
1	Mo 202.031	10.2	10.1	5.61309 µg/L	5.61309 µg/L	
1	Na 589.594	67856.4	67083.9	4.32269 mg/L	4.32269 mg/L	
1	Ni 231.603	108.4	107.2	14.6594 µg/L	14.6594 µg/L	
1	Pb 220.353	-6.3	-6.2	-8.52731 µg/L	-8.52731 µg/L	
1	Sb 206.831	11.3	11.2	60.8515 µg/L	60.8515 µg/L	
1	Se 196.026	76.6	75.7	96.9463 µg/L	96.9463 µg/L	
1	Si 251.611	5534.8	5471.8	957.373 µg/L	957.373 µg/L	
1	Sn 189.933	-7.5	-7.4	-44.8224 µg/L	-44.8224 µg/L	
1	Sr 407.771	313942.7	310368.9	220.818 µg/L	220.818 µg/L	
1	Ti 334.941	1864.4	1843.2	2.34618 µg/L	2.34618 µg/L	
1	Tl 190.800	18.9	18.7	7.04472 µg/L	7.04472 µg/L	
1	V 292.402	-285.1	-281.8	-0.881695 µg/L	-0.881695 µg/L	
1	Zn 206.200	26.2	25.9	10.3976 µg/L	10.3976 µg/L	
2	Sc 357.253	406585.4	406585.4	102.3 µg/L		
2	Y 360.064	249897.9	249897.9	103.0 µg/L		
2	Ag 328.068	86.1	84.1	4.26670 µg/L	4.26670 µg/L	
2	Al 396.140	-46.0	-44.9	-13.4056 µg/L	-13.4056 µg/L	
2	As 188.979	-1.8	-1.7	-60.0360 µg/L	-60.0360 µg/L	
2	B 249.773	4002.6	3913.0	366.073 µg/L	366.073 µg/L	
2	Ba 455.403	210676.0	205962.9	316.309 µg/L	316.309 µg/L	
2	Be 234.861	95.2	93.1	-0.181318 µg/L	-0.181318 µg/L	
2	Ca 315.887	213491.4	208715.2	21.2133 mg/L	21.2133 mg/L	
2	Cd 214.438	53.3	52.1	0.990845 µg/L	0.990845 µg/L	
2	Ce 413.765	-178.5	-174.5	5.69438 µg/L	0.0056944 mg/L	
2	Co 228.616	-8.3	-8.1	1.46233 µg/L	1.46233 µg/L	
2	Cr 205.560	54.2	53.0	3.90598 µg/L	3.90598 µg/L	
2	Cu 327.394	-64.2	-62.8	-0.989718 µg/L	-0.989718 µg/L	
2	Fe 238.204	195.3	190.9	10.9638 µg/L	10.9638 µg/L	
2	K 766.514	3776.9	3692.4	0.496679 mg/L	0.496679 mg/L	
2	Li 670.781	817.1	798.8	0.957780 µg/L	0.957780 µg/L	
2	Mg 279.074	2428.6	2374.3	1.93678 mg/L	1.93678 mg/L	
2	Mn 257.610	5611.6	5486.1	75.6472 µg/L	75.6472 µg/L	
2	Mo 202.031	8.9	8.7	3.53805 µg/L	3.53805 µg/L	
2	Na 589.594	68567.7	67033.8	4.31930 mg/L	4.31930 mg/L	
2	Ni 231.603	109.1	106.7	14.3653 µg/L	14.3653 µg/L	
2	Pb 220.353	-6.5	-6.4	-9.16673 µg/L	-9.16673 µg/L	
2	Sb 206.831	-7.6	-7.4	-35.6039 µg/L	-35.6039 µg/L	
2	Se 196.026	78.2	76.5	103.165 µg/L	103.165 µg/L	
2	Si 251.611	5484.4	5361.7	933.249 µg/L	933.249 µg/L	
2	Sn 189.933	-3.8	-3.7	-6.85027 µg/L	-6.85027 µg/L	
2	Sr 407.771	316997.4	309905.7	220.484 µg/L	220.484 µg/L	
2	Ti 334.941	1915.5	1872.7	2.67399 µg/L	2.67399 µg/L	
2	Tl 190.800	20.4	20.0	14.7865 µg/L	14.7865 µg/L	
2	V 292.402	-280.8	-274.5	-0.401153 µg/L	-0.401153 µg/L	
2	Zn 206.200	26.6	26.0	10.4499 µg/L	10.4499 µg/L	

Mean Data

ID: 1002004-09 Seq. No.: 30 Sample No.: 19 A/S Pos: 35
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 9:33:59 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	404325.9	101.7	0.80	µg/L				0.79%
Y 360.064	248400.2	102.4	0.87	µg/L				0.85%
Ag 328.068	55.3	3.09658	1.654804	µg/L	3.09658	1.654804	µg/L	53.44%
Al 396.140	-35.5	-12.1510	1.77436	µg/L	-12.1510	1.77436	µg/L	14.60%
As 188.979	9.4	4.95378	91.909438	µg/L	4.95378	91.909438	µg/L	>999.9%
B 249.773	3948.3	369.618	5.0137	µg/L	369.618	5.0137	µg/L	1.36%
Ba 455.403	206001.6	316.372	0.0878	µg/L	316.372	0.0878	µg/L	0.03%
Be 234.861	93.8	-0.173530	0.0110135	µg/L	-0.173530	0.0110135	µg/L	6.35%
Ca 315.887	208607.3	21.2023	0.01549	mg/L	21.2023	0.01549	mg/L	0.07%
Cd 214.438	51.8	0.933228	0.0814827	µg/L	0.933228	0.0814827	µg/L	8.73%

Ce 413.765	-177.1	5.27848	0.588179	µg/L	0.0052785	0.00058818	mg/L 11.14%
Co 228.616	-9.4	1.04341	0.592448	µg/L	1.04341	0.592448	µg/L 56.78%
Cr 205.560	54.9	5.64896	2.464957	µg/L	5.64896	2.464957	µg/L 43.64%
Cu 327.394	-41.7	0.484348	2.0846446	µg/L	0.484348	2.0846446	µg/L 430.40%
Fe 238.204	196.4	11.5866	0.88079	µg/L	11.5866	0.88079	µg/L 7.60%
K 766.514	3845.6	0.544265	0.0672966	mg/L	0.544265	0.0672966	mg/L 12.36%
Li 670.781	751.8	0.659447	0.4219060	µg/L	0.659447	0.4219060	µg/L 63.98%
Mg 279.074	2366.9	1.93069	0.008620	mg/L	1.93069	0.008620	mg/L 0.45%
Mn 257.610	5531.7	76.2676	0.87748	µg/L	76.2676	0.87748	µg/L 1.15%
Mo 202.031	9.4	4.57557	1.467277	µg/L	4.57557	1.467277	µg/L 32.07%
Na 589.594	67058.9	4.32099	0.002401	mg/L	4.32099	0.002401	mg/L 0.06%
Ni 231.603	106.9	14.5123	0.20798	µg/L	14.5123	0.20798	µg/L 1.43%
Pb 220.353	-6.3	-8.84702	0.452140	µg/L	-8.84702	0.452140	µg/L 5.11%
Sb 206.831	1.9	12.6238	68.20421	µg/L	12.6238	68.20421	µg/L 540.28%
Se 196.026	76.1	100.056	4.3975	µg/L	100.056	4.3975	µg/L 4.40%
Si 251.611	5416.8	945.311	17.0582	µg/L	945.311	17.0582	µg/L 1.80%
Sn 189.933	-5.5	-25.8363	26.85031	µg/L	-25.8363	26.85031	µg/L 103.92%
Sr 407.771	310137.3	220.651	0.2357	µg/L	220.651	0.2357	µg/L 0.11%
Ti 334.941	1857.9	2.51008	0.231797	µg/L	2.51008	0.231797	µg/L 9.23%
Tl 190.800	19.3	10.9156	5.47426	µg/L	10.9156	5.47426	µg/L 50.15%
V 292.402	-278.2	-0.641424	0.3397944	µg/L	-0.641424	0.3397944	µg/L 52.98%
Zn 206.200	26.0	10.4237	0.03698	µg/L	10.4237	0.03698	µg/L 0.35%

Replicate Data

ID: 0B08006-CCV Date: 2/8/10 9:37:22 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	472411.4	472411.4	118.8	µg/L		
1	Y 360.064	294973.5	294973.5	121.6	µg/L		
1	Ag 328.068	14973.2	12598.5	512.254	µg/L		
1	Al 396.140	22469.5	18905.9	2517.46	µg/L		
1	As 188.979	528.5	444.7	2557.37	µg/L		
1	B 249.773	6295.6	5297.2	505.284	µg/L		
1	Ba 455.403	381093.8	320654.3	500.434	µg/L		
1	Be 234.861	5391.1	4536.1	50.8788	µg/L		
1	Ca 315.887	60518.4	50920.5	5.19781	mg/L		
1	Cd 214.438	4036.3	3396.2	519.486	µg/L		
1	Ce 413.765	-123.8	-104.2	16.6511	µg/L		
1	Co 228.616	1969.2	1656.9	516.608	µg/L		
1	Cr 205.560	728.0	612.5	512.900	µg/L		
1	Cu 327.394	8665.5	7291.2	512.976	µg/L		
1	Fe 238.204	5609.8	4720.1	521.021	µg/L		
1	K 766.514	21251.9	17881.5	4.90299	mg/L		
1	Li 670.781	93561.3	78723.0	495.614	µg/L		
1	Mg 279.074	7598.9	6393.8	5.22579	mg/L		
1	Mn 257.610	45229.2	38056.1	518.429	µg/L		
1	Mo 202.031	402.1	338.3	512.578	µg/L		
1	Na 589.594	91384.9	76891.7	4.98443	mg/L		
1	Ni 231.603	1117.8	940.5	508.693	µg/L		
1	Pb 220.353	177.7	149.5	579.074	µg/L		
1	Sb 206.831	596.2	501.7	2599.88	µg/L		
1	Se 196.026	483.3	406.7	2630.51	µg/L		
1	Si 251.611	14834.1	12481.5	2492.32	µg/L		
1	Sn 189.933	310.5	261.3	2709.38	µg/L		
1	Sr 407.771	839903.4	706699.2	506.079	µg/L		
1	Ti 334.941	56306.3	47376.4	509.093	µg/L		
1	Tl 190.800	505.3	425.1	2516.74	µg/L		
1	V 292.402	9036.3	7603.2	519.604	µg/L		
1	Zn 206.200	1324.4	1114.3	518.244	µg/L		
2	Sc 357.253	435743.9	435743.9	109.6	µg/L		
2	Y 360.064	270643.6	270643.6	111.5	µg/L		
2	Ag 328.068	13518.3	12331.5	501.416	µg/L		
2	Al 396.140	21247.1	19381.8	2581.02	µg/L		
2	As 188.979	532.7	485.9	2799.06	µg/L		
2	B 249.773	5665.6	5168.2	492.310	µg/L		
2	Ba 455.403	357347.3	325975.4	508.976	µg/L		
2	Be 234.861	4824.5	4401.0	49.3262	µg/L		
2	Ca 315.887	54019.6	49277.2	5.03078	mg/L		
2	Cd 214.438	3974.3	3625.4	555.029	µg/L		

W

2	Ce 413.765	-278.2	-253.8	-6.67713 µg/L
2	Co 228.616	1956.1	1784.4	556.043 µg/L
2	Cr 205.560	727.1	663.2	558.995 µg/L
2	Cu 327.394	7889.1	7196.5	506.357 µg/L
2	Fe 238.204	5023.9	4582.8	505.564 µg/L
2	K 766.514	20233.1	18456.8	5.08177 mg/L
2	Li 670.781	87756.9	80052.7	504.054 µg/L
2	Mg 279.074	6812.7	6214.6	5.07919 mg/L
2	Mn 257.610	40380.4	36835.4	501.834 µg/L
2	Mo 202.031	404.1	368.7	559.416 µg/L
2	Na 589.594	86048.4	78494.1	5.09278 mg/L
2	Ni 231.603	1122.9	1024.3	558.378 µg/L
2	Pb 220.353	166.4	151.8	587.619 µg/L
2	Sb 206.831	593.5	541.4	2805.42 µg/L
2	Se 196.026	469.6	428.4	2796.88 µg/L
2	Si 251.611	13542.8	12353.9	2464.38 µg/L
2	Sn 189.933	307.6	280.6	2907.66 µg/L
2	Sr 407.771	785816.0	716828.3	513.370 µg/L
2	Ti 334.941	50532.0	46095.7	494.839 µg/L
2	Tl 190.800	509.6	464.9	2762.04 µg/L
2	V 292.402	8112.4	7400.2	506.208 µg/L
2	Zn 206.200	1308.5	1193.6	555.239 µg/L

Mean Data

ID: 0B08006-CCV Seq. No.: 31 Sample No.: 8 A/S Pos: 4
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 9:37:22 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	454077.6	114.2	6.52	µg/L				5.71%
Y 360.064	282808.6	116.5	7.09	µg/L				6.08%
Ag 328.068	12465.0	506.835	7.6634	µg/L				1.51%
Al 396.140	19143.9	2549.24	44.941	µg/L				1.76%
As 188.979	465.3	2678.22	170.905	µg/L				6.38%
B 249.773	5232.7	498.797	9.1740	µg/L				1.84%
Ba 455.403	323314.9	504.705	6.0404	µg/L				1.20%
Be 234.861	4468.5	50.1025	1.09785	µg/L				2.19%
Ca 315.887	50098.9	5.11429	0.118106	mg/L				2.31%
Cd 214.438	3510.8	537.258	25.1331	µg/L				4.68%
Ce 413.765	-179.0	4.98697	16.495536	µg/L				330.77%
Co 228.616	1720.7	536.325	27.8852	µg/L				5.20%
Cr 205.560	637.9	535.948	32.5944	µg/L				6.08%
Cu 327.394	7243.9	509.667	4.6803	µg/L				0.92%
Fe 238.204	4651.5	513.292	10.9297	µg/L				2.13%
K 766.514	18169.2	4.99238	0.126411	mg/L				2.53%
Li 670.781	79387.8	499.834	5.9684	µg/L				1.19%
Mg 279.074	6304.2	5.15249	0.103668	mg/L				2.01%
Mn 257.610	37445.7	510.131	11.7345	µg/L				2.30%
Mo 202.031	353.5	535.997	33.1196	µg/L				6.18%
Na 589.594	77692.9	5.03861	0.076621	mg/L				1.52%
Ni 231.603	982.4	533.536	35.1328	µg/L				6.58%
Pb 220.353	150.6	583.346	6.0417	µg/L				1.04%
*QC exceeds upper limit for Pb 220.353 Recovery = 116.67% Action = Continue								
Sb 206.831	521.5	2702.65	145.341	µg/L				5.38%
Se 196.026	417.5	2713.69	117.644	µg/L				4.34%
Si 251.611	12417.7	2478.35	19.755	µg/L				0.80%
Sn 189.933	270.9	2808.52	140.206	µg/L				4.99%
*QC exceeds upper limit for Sn 189.933 Recovery = 112.34% Action = Continue								
Sr 407.771	711763.7	509.725	5.1552	µg/L				1.01%
Ti 334.941	46736.1	501.966	10.0786	µg/L				2.01%
Tl 190.800	445.0	2639.39	173.449	µg/L				6.57%
V 292.402	7501.7	512.906	9.4728	µg/L				1.85%
Zn 206.200	1154.0	536.742	26.1598	µg/L				4.87%

Replicate Data

ID: 0B08006-CCB Date: 2/8/10 9:40:44 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	471524.0	471524.0	118.6	µg/L		

1	Y 360.064	294928.3	294928.3	121.5	µg/L
1	Ag 328.068	-89.7	-75.6	-2.21809	µg/L
1	Al 396.140	-142.6	-120.2	-23.4588	µg/L
1	As 188.979	8.3	7.0	-8.65292	µg/L
1	B 249.773	203.0	171.2	-10.2653	µg/L
1	Ba 455.403	8097.6	6826.2	-3.38222	µg/L
1	Be 234.861	112.4	94.8	-0.162067	µg/L
1	Ca 315.887	141.1	119.0	0.0446216	mg/L
1	Cd 214.438	41.6	35.0	-1.65995	µg/L
1	Ce 413.765	-153.6	-129.5	12.7088	µg/L
1	Co 228.616	-6.7	-5.6	2.21774	µg/L
1	Cr 205.560	58.7	49.5	0.774189	µg/L
1	Cu 327.394	-51.1	-43.1	0.389832	µg/L
1	Fe 238.204	104.4	88.0	-0.624356	µg/L
1	K 766.514	1992.1	1679.3	-0.129265	mg/L
1	Li 670.781	227.3	191.6	-2.89666	µg/L
1	Mg 279.074	78.5	66.1	0.0437822	mg/L
1	Mn 257.610	-203.7	-171.7	-1.26880	µg/L
1	Mo 202.031	12.3	10.4	6.06782	µg/L
1	Na 589.594	2977.8	2510.2	-0.0492727	mg/L
1	Ni 231.603	90.7	76.4	-3.57460	µg/L
1	Pb 220.353	-7.1	-6.0	-7.58151	µg/L
1	Sb 206.831	10.0	8.4	46.3966	µg/L
1	Se 196.026	80.7	68.1	38.5615	µg/L
1	Si 251.611	1135.3	957.0	-31.2664	µg/L
1	Sn 189.933	2.0	1.7	48.4711	µg/L
1	Sr 407.771	766.2	645.9	-2.10793	µg/L
1	Ti 334.941	1762.8	1486.0	-1.62886	µg/L
1	Tl 190.800	20.9	17.6	0.481457	µg/L
1	V 292.402	-368.9	-311.0	-2.80551	µg/L
1	Zn 206.200	-4.1	-3.5	-3.30738	µg/L
2	Sc 357.253	470168.3	470168.3	118.3	µg/L
2	Y 360.064	293854.5	293854.5	121.1	µg/L
2	Ag 328.068	-110.1	-93.1	-2.92694	µg/L
2	Al 396.140	-165.5	-139.9	-26.0899	µg/L
2	As 188.979	1.0	0.9	-44.6962	µg/L
2	B 249.773	213.9	180.8	-9.29183	µg/L
2	Ba 455.403	8222.8	6951.7	-3.18073	µg/L
2	Be 234.861	108.3	91.6	-0.198988	µg/L
2	Ca 315.887	122.8	103.8	0.0430807	mg/L
2	Cd 214.438	45.4	38.4	-1.14587	µg/L
2	Ce 413.765	-113.6	-96.0	17.9273	µg/L
2	Co 228.616	-8.0	-6.8	1.86743	µg/L
2	Cr 205.560	58.5	49.5	0.744044	µg/L
2	Cu 327.394	-78.6	-66.5	-1.24802	µg/L
2	Fe 238.204	121.8	102.9	1.05955	µg/L
2	K 766.514	2027.8	1714.3	-0.118400	mg/L
2	Li 670.781	164.9	139.4	-3.22787	µg/L
2	Mg 279.074	-74.4	-62.9	-0.0619138	mg/L
2	Mn 257.610	-217.1	-183.6	-1.43015	µg/L
2	Mo 202.031	7.9	6.7	0.453355	µg/L
2	Na 589.594	3062.7	2589.2	-0.0439243	mg/L
2	Ni 231.603	90.5	76.5	-3.52697	µg/L
2	Pb 220.353	-5.6	-4.7	-2.97585	µg/L
2	Sb 206.831	4.0	3.3	20.2149	µg/L
2	Se 196.026	74.9	63.3	2.50835	µg/L
2	Si 251.611	1123.4	949.7	-32.8602	µg/L
2	Sn 189.933	-3.6	-3.1	-0.562619	µg/L
2	Sr 407.771	713.3	603.0	-2.13882	µg/L
2	Ti 334.941	1710.5	1446.1	-2.07292	µg/L
2	Tl 190.800	14.9	12.6	-30.4089	µg/L
2	V 292.402	-324.7	-274.5	-0.398082	µg/L
2	Zn 206.200	-4.2	-3.5	-3.32286	µg/L

Mean Data

ID: 0B08006-CCB Seq. No.: 32 Sample No.: 9 A/S Pos: 1

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

Data: Original Date: 2/8/10 9:40:44 AM

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

Sc 357.253	470846.1	118.5	0.24 µg/L		0.20%
Y 360.064	294391.4	121.3	0.31 µg/L		0.26%
Ag 328.068	-84.4	-2.57252	0.501229 µg/L		19.48%
Al 396.140	-130.1	-24.7743	1.86046 µg/L		7.51%
As 188.979	4.0	-26.6745	25.48642 µg/L		95.55%
B 249.773	176.0	-9.77857	0.688346 µg/L		7.04%
Ba 455.403	6889.0	-3.28148	0.142475 µg/L		4.34%
Be 234.861	93.2	-0.180528	0.0261068 µg/L		14.46%
Ca 315.887	111.4	0.0438511	0.00108958 mg/L		2.48%
Cd 214.438	36.7	-1.40291	0.363509 µg/L		25.91%
Ce 413.765	-112.8	15.3180	3.69004 µg/L		24.09%
Co 228.616	-6.2	2.04259	0.247706 µg/L		12.13%
Cr 205.560	49.5	0.759116	0.0213161 µg/L		2.81%
Cu 327.394	-54.8	-0.429092	1.1581346 µg/L		269.90%
Fe 238.204	95.5	0.217595	1.1906996 µg/L		547.21%
K 766.514	1696.8	-0.123833	0.0076831 mg/L		6.20%
*QC exceeds lower limit for K 766.514			Action = Continue		
Li 670.781	165.5	-3.06226	0.234197 µg/L		7.65%
Mg 279.074	1.6	-0.0090658	0.07473831 mg/L		824.40%
Mn 257.610	-177.6	-1.34947	0.114091 µg/L		8.45%
Mo 202.031	8.5	3.26059	3.970029 µg/L		121.76%
Na 589.594	2549.7	-0.0465985	0.00378188 mg/L		8.12%
Ni 231.603	76.5	-3.55078	0.033679 µg/L		0.95%
Pb 220.353	-5.4	-5.27868	3.256693 µg/L		61.70%
Sb 206.831	5.9	33.3057	18.51330 µg/L		55.59%
Se 196.026	65.7	20.5349	25.49340 µg/L		124.15%
Si 251.611	953.4	-32.0633	1.12700 µg/L		3.51%
Sn 189.933	-0.7	23.9542	34.67207 µg/L		144.74%
Sr 407.771	624.5	-2.12338	0.021844 µg/L		1.03%
Ti 334.941	1466.1	-1.85089	0.313997 µg/L		16.96%
Tl 190.800	15.1	-14.9637	21.84279 µg/L		145.97%
V 292.402	-292.7	-1.60179	1.702307 µg/L		106.27%
Zn 206.200	-3.5	-3.31512	0.010944 µg/L		0.33%

Replicate Data

ID: 1002004-10 Date: 2/8/10 9:44:06 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	411948.8	411948.8	103.6	µg/L		
1	Y 360.064	254821.3	254821.3	105.0	µg/L		
1	Ag 328.068	-96.6	-93.2	-2.93321	µg/L	-2.93321	µg/L
1	Al 396.140	21639.0	20879.5	2781.03	µg/L	2781.03	µg/L
1	As 188.979	4.0	3.8	-27.4491	µg/L	-27.4491	µg/L
1	B 249.773	950.6	917.3	64.7747	µg/L	64.7747	µg/L
1	Ba 455.403	48325.3	46629.1	60.5169	µg/L	60.5169	µg/L
1	Be 234.861	207.6	200.4	1.05129	µg/L	1.05129	µg/L
1	Ca 315.887	125175.9	120782.2	12.2897	mg/L	12.2897	mg/L
1	Cd 214.438	59.4	57.3	1.78506	µg/L	1.78506	µg/L
1	Ce 413.765	-231.2	-223.1	-1.89352	µg/L	-0.0018935	mg/L
1	Co 228.616	3.2	3.1	4.91136	µg/L	4.91136	µg/L
1	Cr 205.560	67.3	64.9	14.7538	µg/L	14.7538	µg/L
1	Cu 327.394	354.4	341.9	27.2971	µg/L	27.2971	µg/L
1	Fe 238.204	33684.3	32502.0	3649.69	µg/L	3649.69	µg/L
1	K 766.514	3542.6	3418.3	0.412082	mg/L	0.412082	mg/L
1	Li 670.781	1204.9	1162.6	3.26753	µg/L	3.26753	µg/L
1	Mg 279.074	1399.6	1350.5	1.09409	mg/L	1.09409	mg/L
1	Mn 257.610	13825.4	13340.1	182.421	µg/L	182.421	µg/L
1	Mo 202.031	2.8	2.7	-5.80038	µg/L	-5.80038	µg/L
1	Na 589.594	165715.5	159898.8	10.6049	mg/L	10.6049	mg/L
1	Ni 231.603	89.0	85.9	2.04002	µg/L	2.04002	µg/L
1	Pb 220.353	7.5	7.2	42.1305	µg/L	42.1305	µg/L
1	Sb 206.831	-1.1	-1.1	-2.72959	µg/L	-2.72959	µg/L
1	Se 196.026	69.0	66.6	27.0495	µg/L	27.0495	µg/L
1	Si 251.611	21033.9	20295.6	4203.43	µg/L	4203.43	µg/L
1	Sn 189.933	-8.1	-7.8	-48.8784	µg/L	-48.8784	µg/L
1	Sr 407.771	68883.1	66465.3	45.2661	µg/L	45.2661	µg/L
1	Ti 334.941	8245.2	7955.8	70.3738	µg/L	70.3738	µg/L
1	Tl 190.800	18.1	17.4	-0.752705	µg/L	-0.752705	µg/L
1	V 292.402	-224.8	-217.0	3.39950	µg/L	3.39950	µg/L
1	Zn 206.200	127.1	122.6	55.5284	µg/L	55.5284	µg/L

2 Sc 357.253	410603.1	410603.1	103.3 µg/L		
2 Y 360.064	254102.1	254102.1	104.7 µg/L		
2 Ag 328.068	22.1	21.4	1.71899 µg/L	1.71899 µg/L	
2 Al 396.140	21939.2	21238.5	2828.98 µg/L	2828.98 µg/L	
2 As 188.979	11.8	11.4	16.8838 µg/L	16.8838 µg/L	
2 B 249.773	962.1	931.4	66.1961 µg/L	66.1961 µg/L	
2 Ba 455.403	48935.3	47372.4	61.7102 µg/L	61.7102 µg/L	
2 Be 234.861	181.6	175.8	0.769246 µg/L	0.769246 µg/L	
2 Ca 315.887	126361.6	122325.9	12.4464 mg/L	12.4464 mg/L	
2 Cd 214.438	50.9	49.3	0.544802 µg/L	0.544802 µg/L	
2 Ce 413.765	-247.5	-239.6	-4.46316 µg/L	-0.0044632 mg/L	
2 Co 228.616	4.2	4.1	5.21941 µg/L	5.21941 µg/L	
2 Cr 205.560	66.6	64.5	14.4165 µg/L	14.4165 µg/L	
2 Cu 327.394	307.8	297.9	24.2212 µg/L	24.2212 µg/L	
2 Fe 238.204	33890.2	32807.9	3684.14 µg/L	3684.14 µg/L	
2 K 766.514	3926.3	3800.9	0.530916 mg/L	0.530916 mg/L	
2 Li 670.781	1091.2	1056.4	2.59307 µg/L	2.59307 µg/L	
2 Mg 279.074	1423.0	1377.5	1.11624 mg/L	1.11624 mg/L	
2 Mn 257.610	13893.4	13449.6	183.910 µg/L	183.910 µg/L	
2 Mo 202.031	6.0	5.8	-1.01463 µg/L	-1.01463 µg/L	
2 Na 589.594	166818.8	161491.0	10.7126 mg/L	10.7126 mg/L	
2 Ni 231.603	89.5	86.6	2.47266 µg/L	2.47266 µg/L	
2 Pb 220.353	9.7	9.4	50.2836 µg/L	50.2836 µg/L	
2 Sb 206.831	4.7	4.5	26.2479 µg/L	26.2479 µg/L	
2 Se 196.026	68.6	66.4	25.7330 µg/L	25.7330 µg/L	
2 Si 251.611	21229.4	20551.4	4259.43 µg/L	4259.43 µg/L	
2 Sn 189.933	-5.2	-5.0	-20.6899 µg/L	-20.6899 µg/L	
2 Sr 407.771	69462.9	67244.4	45.8269 µg/L	45.8269 µg/L	
2 Ti 334.941	8355.5	8088.7	71.8533 µg/L	71.8533 µg/L	
2 Tl 190.800	27.3	26.4	54.6566 µg/L	54.6566 µg/L	
2 V 292.402	-193.6	-187.4	5.34998 µg/L	5.34998 µg/L	
2 Zn 206.200	128.9	124.8	56.5392 µg/L	56.5392 µg/L	

Mean Data

ID: 1002004-10 Seq. No.: 33 Sample No.: 20 A/S Pos: 36
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 9:44:06 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	411276.0	103.5	0.24	µg/L				0.23%
Y 360.064	254461.7	104.9	0.21	µg/L				0.20%
Ag 328.068	-35.9	-0.607111	3.2896044	µg/L	-0.607111	3.2896044	µg/L	541.85%
Al 396.140	21059.0	2805.01	33.907	µg/L	2805.01	33.907	µg/L	1.21%
As 188.979	7.6	-5.28264	31.348086	µg/L	-5.28264	31.348086	µg/L	593.42%
B 249.773	924.3	65.4854	1.00508	µg/L	65.4854	1.00508	µg/L	1.53%
Ba 455.403	47000.8	61.1135	0.84381	µg/L	61.1135	0.84381	µg/L	1.38%
Be 234.861	188.1	0.910268	0.1994349	µg/L	0.910268	0.1994349	µg/L	21.91%
Ca 315.887	121554.1	12.3680	0.11077	mg/L	12.3680	0.11077	mg/L	0.90%
Cd 214.438	53.3	1.16493	0.876995	µg/L	1.16493	0.876995	µg/L	75.28%
Ce 413.765	-231.4	-3.17834	1.817007	µg/L	-0.0031783	0.00181701	mg/L	57.17%
Co 228.616	3.6	5.06538	0.217830	µg/L	5.06538	0.217830	µg/L	4.30%
Cr 205.560	64.7	14.5852	0.23855	µg/L	14.5852	0.23855	µg/L	1.64%
Cu 327.394	319.9	25.7592	2.17504	µg/L	25.7592	2.17504	µg/L	8.44%
Fe 238.204	32654.9	3666.91	24.354	µg/L	3666.91	24.354	µg/L	0.66%
K 766.514	3609.6	0.471499	0.0840288	mg/L	0.471499	0.0840288	mg/L	17.82%
Li 670.781	1109.5	2.93030	0.476912	µg/L	2.93030	0.476912	µg/L	16.28%
Mg 279.074	1364.0	1.10516	0.015661	mg/L	1.10516	0.015661	mg/L	1.42%
Mn 257.610	13394.9	183.165	1.0530	µg/L	183.165	1.0530	µg/L	0.57%
Mo 202.031	4.2	-3.40751	3.384041	µg/L	-3.40751	3.384041	µg/L	99.31%
Na 589.594	160694.9	10.6588	0.07621	mg/L	10.6588	0.07621	mg/L	0.71%
Ni 231.603	86.3	2.25634	0.305919	µg/L	2.25634	0.305919	µg/L	13.56%
Pb 220.353	8.3	46.2070	5.76512	µg/L	46.2070	5.76512	µg/L	12.48%
Sb 206.831	1.7	11.7592	20.49019	µg/L	11.7592	20.49019	µg/L	174.25%
Se 196.026	66.5	26.3913	0.93087	µg/L	26.3913	0.93087	µg/L	3.53%
Si 251.611	20423.5	4231.43	39.595	µg/L	4231.43	39.595	µg/L	0.94%
Sn 189.933	-6.4	-34.7842	19.93231	µg/L	-34.7842	19.93231	µg/L	57.30%
Sr 407.771	66854.9	45.5465	0.39654	µg/L	45.5465	0.39654	µg/L	0.87%
Ti 334.941	8022.2	71.1135	1.04614	µg/L	71.1135	1.04614	µg/L	1.47%
Tl 190.800	21.9	26.9519	39.18027	µg/L	26.9519	39.18027	µg/L	145.37%
V 292.402	-202.2	4.37474	1.379192	µg/L	4.37474	1.379192	µg/L	31.53%

Zn 206.200	123.7	56.0338	0.71474 µg/L	56.0338	0.71474 µg/L	1.28%

Replicate Data ----------
ID: 1002004-11 Date: 2/8/10 9:47:21 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	398300.0	398300.0	100.2	µg/L		
1	Y 360.064	245701.6	245701.6	101.2	µg/L		
1	Ag 328.068	-149.9	-149.6	-5.22217	µg/L	-5.22217	µg/L
1	Al 396.140	839.0	837.3	104.411	µg/L	104.411	µg/L
1	As 188.979	5.5	5.5	-17.5586	µg/L	-17.5586	µg/L
1	B 249.773	1006.6	1004.6	73.5568	µg/L	73.5568	µg/L
1	Ba 455.403	11772.1	11748.1	4.51936	µg/L	4.51936	µg/L
1	Be 234.861	69.2	69.1	-0.457156	µg/L	-0.457156	µg/L
1	Ca 315.887	83820.0	83649.5	8.52142	mg/L	8.52142	mg/L
1	Cd 214.438	39.2	39.1	-1.03214	µg/L	-1.03214	µg/L
1	Ce 413.765	-181.2	-180.9	4.69458	µg/L	0.0046946	mg/L
1	Co 228.616	-27.3	-27.3	-4.47607	µg/L	-4.47607	µg/L
1	Cr 205.560	50.7	50.6	1.78432	µg/L	1.78432	µg/L
1	Cu 327.394	-147.7	-147.4	-6.90035	µg/L	-6.90035	µg/L
1	Fe 238.204	237.2	236.7	16.1226	µg/L	16.1226	µg/L
1	K 766.514	2640.8	2635.4	0.168029	mg/L	0.168029	mg/L
1	Li 670.781	309.4	308.8	-2.15257	µg/L	-2.15257	µg/L
1	Mg 279.074	2497.8	2492.7	2.03219	mg/L	2.03219	mg/L
1	Mn 257.610	-145.9	-145.6	-0.914259	µg/L	-0.914259	µg/L
1	Mo 202.031	15.7	15.7	14.3174	µg/L	14.3174	µg/L
1	Na 589.594	41932.8	41847.5	2.61345	mg/L	2.61345	mg/L
1	Ni 231.603	99.8	99.6	10.1701	µg/L	10.1701	µg/L
1	Pb 220.353	-5.0	-5.0	-3.91918	µg/L	-3.91918	µg/L
1	Sb 206.831	-9.0	-8.9	-43.3540	µg/L	-43.3540	µg/L
1	Se 196.026	66.9	66.8	28.7282	µg/L	28.7282	µg/L
1	Si 251.611	7660.2	7644.6	1433.15	µg/L	1433.15	µg/L
1	Sn 189.933	-2.1	-2.1	9.51093	µg/L	9.51093	µg/L
1	Sr 407.771	33446.7	33378.7	21.4517	µg/L	21.4517	µg/L
1	Ti 334.941	1691.4	1687.9	0.618170	µg/L	0.618170	µg/L
1	Tl 190.800	13.7	13.7	-24.0621	µg/L	-24.0621	µg/L
1	V 292.402	-219.7	-219.2	3.24900	µg/L	3.24900	µg/L
1	Zn 206.200	7.2	7.2	1.68449	µg/L	1.68449	µg/L
2	Sc 357.253	395905.8	395905.8	99.6	µg/L		
2	Y 360.064	243916.5	243916.5	100.5	µg/L		
2	Ag 328.068	32.5	32.7	2.17698	µg/L	2.17698	µg/L
2	Al 396.140	1018.9	1023.0	129.218	µg/L	129.218	µg/L
2	As 188.979	11.2	11.3	16.1029	µg/L	16.1029	µg/L
2	B 249.773	1048.0	1052.1	78.3395	µg/L	78.3395	µg/L
2	Ba 455.403	12176.2	12224.9	5.28478	µg/L	5.28478	µg/L
2	Be 234.861	100.8	101.2	-0.0885765	µg/L	-0.0885765	µg/L
2	Ca 315.887	84758.8	85097.9	8.66841	mg/L	8.66841	mg/L
2	Cd 214.438	39.1	39.3	-1.00242	µg/L	-1.00242	µg/L
2	Ce 413.765	-161.3	-161.9	7.65234	µg/L	0.0076523	mg/L
2	Co 228.616	-15.0	-15.0	-0.688860	µg/L	-0.688860	µg/L
2	Cr 205.560	62.8	63.1	13.0948	µg/L	13.0948	µg/L
2	Cu 327.394	-30.2	-30.3	1.27869	µg/L	1.27869	µg/L
2	Fe 238.204	266.4	267.5	19.5886	µg/L	19.5886	µg/L
2	K 766.514	2622.1	2632.5	0.167155	mg/L	0.167155	mg/L
2	Li 670.781	212.8	213.7	-2.75637	µg/L	-2.75637	µg/L
2	Mg 279.074	2485.3	2495.3	2.03433	mg/L	2.03433	mg/L
2	Mn 257.610	-148.5	-149.1	-0.962114	µg/L	-0.962114	µg/L
2	Mo 202.031	0.9	0.9	-8.48654	µg/L	-8.48654	µg/L
2	Na 589.594	42136.0	42304.5	2.64439	mg/L	2.64439	mg/L
2	Ni 231.603	82.4	82.7	0.160331	µg/L	0.160331	µg/L
2	Pb 220.353	-13.0	-13.1	-34.4784	µg/L	-34.4784	µg/L
2	Sb 206.831	4.3	4.3	25.4190	µg/L	25.4190	µg/L
2	Se 196.026	63.5	63.7	5.48226	µg/L	5.48226	µg/L
2	Si 251.611	7678.1	7708.8	1447.22	µg/L	1447.22	µg/L
2	Sn 189.933	-2.7	-2.7	3.11524	µg/L	3.11524	µg/L
2	Sr 407.771	33734.0	33868.9	21.8046	µg/L	21.8046	µg/L
2	Ti 334.941	1794.2	1801.4	1.88099	µg/L	1.88099	µg/L
2	Tl 190.800	15.0	15.1	-15.3760	µg/L	-15.3760	µg/L
2	V 292.402	-237.1	-238.0	2.00806	µg/L	2.00806	µg/L

2 Zn 206.200	2.1	2.1	-0.693770 µg/L	-0.693770 µg/L	

Mean Data

ID: 1002004-11 Seq. No.: 34 Sample No.: 21 A/S Pos: 37
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 9:47:21 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	397102.9	99.9	0.43	µg/L				0.43%
Y 360.064	244809.0	100.9	0.52	µg/L				0.52%
Ag 328.068	-58.5	-1.52260	5.231988	µg/L	-1.52260	5.231988	µg/L	343.62%
Al 396.140	930.1	116.815	17.5410	µg/L	116.815	17.5410	µg/L	15.02%
As 188.979	8.4	-0.727829	23.8022680	µg/L	-0.727829	23.8022680	µg/L	>999.9%
B 249.773	1028.4	75.9482	3.38184	µg/L	75.9482	3.38184	µg/L	4.45%
Ba 455.403	11986.5	4.90207	0.541236	µg/L	4.90207	0.541236	µg/L	11.04%
Be 234.861	85.1	-0.272866	0.2606252	µg/L	-0.272866	0.2606252	µg/L	95.51%
Ca 315.887	84373.7	8.59491	0.103936	mg/L	8.59491	0.103936	mg/L	1.21%
Cd 214.438	39.2	-1.01728	0.021009	µg/L	-1.01728	0.021009	µg/L	2.07%
Ce 413.765	-171.4	6.17346	2.091453	µg/L	0.0061735	0.00209145	mg/L	33.88%
Co 228.616	-21.2	-2.58246	2.677962	µg/L	-2.58246	2.677962	µg/L	103.70%
Cr 205.560	56.8	7.43954	7.997688	µg/L	7.43954	7.997688	µg/L	107.50%
Cu 327.394	-88.8	-2.81083	5.783454	µg/L	-2.81083	5.783454	µg/L	205.76%
Fe 238.204	252.1	17.8556	2.45085	µg/L	17.8556	2.45085	µg/L	13.73%
K 766.514	2634.0	0.167592	0.0006182	mg/L	0.167592	0.0006182	mg/L	0.37%
Li 670.781	261.2	-2.45447	0.426954	µg/L	-2.45447	0.426954	µg/L	17.39%
Mg 279.074	2494.0	2.03326	0.001512	mg/L	2.03326	0.001512	mg/L	0.07%
Mn 257.610	-147.4	-0.938187	0.0338384	µg/L	-0.938187	0.0338384	µg/L	3.61%
Mo 202.031	8.3	2.91543	16.124817	µg/L	2.91543	16.124817	µg/L	553.09%
Na 589.594	42076.0	2.62892	0.021877	mg/L	2.62892	0.021877	mg/L	0.83%
Ni 231.603	91.2	5.16522	7.077980	µg/L	5.16522	7.077980	µg/L	137.03%
Pb 220.353	-9.0	-19.1988	21.60863	µg/L	-19.1988	21.60863	µg/L	112.55%
Sb 206.831	-2.3	-8.96751	48.629880	µg/L	-8.96751	48.629880	µg/L	542.29%
Se 196.026	65.3	17.1052	16.43737	µg/L	17.1052	16.43737	µg/L	96.10%
Si 251.611	7676.7	1440.19	9.951	µg/L	1440.19	9.951	µg/L	0.69%
Sn 189.933	-2.4	6.31309	4.522438	µg/L	6.31309	4.522438	µg/L	71.64%
Sr 407.771	33623.8	21.6281	0.24953	µg/L	21.6281	0.24953	µg/L	1.15%
Ti 334.941	1744.7	1.24958	0.892948	µg/L	1.24958	0.892948	µg/L	71.46%
Tl 190.800	14.4	-19.7190	6.14199	µg/L	-19.7190	6.14199	µg/L	31.15%
V 292.402	-228.6	2.62853	0.877473	µg/L	2.62853	0.877473	µg/L	33.38%
Zn 206.200	4.7	0.495359	1.6816832	µg/L	0.495359	1.6816832	µg/L	339.49%

Replicate Data

ID: 1002004-12 Date: 2/8/10 9:50:30 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	419892.0	419892.0	105.6	µg/L		
1	Y 360.064	259712.5	259712.5	107.0	µg/L		
1	Ag 328.068	-42.7	-40.4	-0.787768	µg/L	-0.787768	µg/L
1	Al 396.140	500.7	474.0	55.8919	µg/L	55.8919	µg/L
1	As 188.979	5.1	4.9	-21.4535	µg/L	-21.4535	µg/L
1	B 249.773	1819.3	1722.3	145.736	µg/L	145.736	µg/L
1	Ba 455.403	13152.1	12450.4	5.64670	µg/L	5.64670	µg/L
1	Be 234.861	98.6	93.4	-0.178120	µg/L	-0.178120	µg/L
1	Ca 315.887	90894.3	86044.8	8.76450	mg/L	8.76450	mg/L
1	Cd 214.438	53.0	50.2	0.687549	µg/L	0.687549	µg/L
1	Ce 413.765	-221.9	-210.0	0.145645	µg/L	0.0001456	mg/L
1	Co 228.616	-7.0	-6.7	1.90012	µg/L	1.90012	µg/L
1	Cr 205.560	51.1	48.4	-0.231669	µg/L	-0.231669	µg/L
1	Cu 327.394	-78.0	-73.9	-1.76508	µg/L	-1.76508	µg/L
1	Fe 238.204	222.0	210.1	13.1303	µg/L	13.1303	µg/L
1	K 766.514	3130.8	2963.7	0.269872	mg/L	0.269872	mg/L
1	Li 670.781	430.5	407.6	-1.52556	µg/L	-1.52556	µg/L
1	Mg 279.074	1833.7	1735.9	1.41239	mg/L	1.41239	mg/L
1	Mn 257.610	-196.5	-186.0	-1.46344	µg/L	-1.46344	µg/L
1	Mo 202.031	8.3	7.8	2.14009	µg/L	2.14009	µg/L
1	Na 589.594	58271.2	55162.2	3.51472	mg/L	3.51472	mg/L
1	Ni 231.603	92.6	87.7	3.10472	µg/L	3.10472	µg/L
1	Pb 220.353	-9.8	-9.3	-20.2420	µg/L	-20.2420	µg/L
1	Sb 206.831	0.1	0.1	3.32706	µg/L	3.32706	µg/L

1 Se 196.026	77.8	73.6	81.3106 µg/L	81.3106 µg/L	
1 Si 251.611	8427.0	7977.4	1506.03 µg/L	1506.03 µg/L	
1 Sn 189.933	-2.9	-2.8	2.69125 µg/L	2.69125 µg/L	
1 Sr 407.771	18717.7	17719.0	10.1806 µg/L	10.1806 µg/L	
1 Ti 334.941	1716.3	1624.7	-0.0854953 µg/L	-0.0854953 µg/L	
1 Tl 190.800	17.5	16.5	-6.28597 µg/L	-6.28597 µg/L	
1 V 292.402	-277.4	-262.6	0.388883 µg/L	0.388883 µg/L	
1 Zn 206.200	4.2	4.0	0.189452 µg/L	0.189452 µg/L	
2 Sc 357.253	418249.7	418249.7	105.2 µg/L		
2 Y 360.064	258550.0	258550.0	106.5 µg/L		
2 Ag 328.068	12.4	11.8	1.33128 µg/L	1.33128 µg/L	
2 Al 396.140	397.2	377.5	43.0115 µg/L	43.0115 µg/L	
2 As 188.979	6.0	5.7	-16.2938 µg/L	-16.2938 µg/L	
2 B 249.773	1832.8	1741.8	147.703 µg/L	147.703 µg/L	
2 Ba 455.403	13358.2	12695.1	6.03966 µg/L	6.03966 µg/L	
2 Be 234.861	93.6	89.0	-0.228526 µg/L	-0.228526 µg/L	
2 Ca 315.887	92108.2	87536.3	8.91586 mg/L	8.91586 mg/L	
2 Cd 214.438	50.2	47.7	0.296780 µg/L	0.296780 µg/L	
2 Ce 413.765	-191.5	-182.0	4.52159 µg/L	0.0045216 mg/L	
2 Co 228.616	-15.6	-14.8	-0.621468 µg/L	-0.621468 µg/L	
2 Cr 205.560	55.1	52.4	3.37946 µg/L	3.37946 µg/L	
2 Cu 327.394	-50.1	-47.7	0.0681541 µg/L	0.0681541 µg/L	
2 Fe 238.204	239.5	227.6	15.1025 µg/L	15.1025 µg/L	
2 K 766.514	3132.2	2976.8	0.273922 mg/L	0.273922 mg/L	
2 Li 670.781	281.8	267.8	-2.41264 µg/L	-2.41264 µg/L	
2 Mg 279.074	1805.7	1716.1	1.39618 mg/L	1.39618 mg/L	
2 Mn 257.610	-205.3	-195.1	-1.58762 µg/L	-1.58762 µg/L	
2 Mo 202.031	-1.1	-1.1	-11.5967 µg/L	-11.5967 µg/L	
2 Na 589.594	58547.4	55641.4	3.54715 mg/L	3.54715 mg/L	
2 Ni 231.603	84.6	80.4	-1.24175 µg/L	-1.24175 µg/L	
2 Pb 220.353	-4.8	-4.6	-2.41440 µg/L	-2.41440 µg/L	
2 Sb 206.831	1.4	1.4	10.0241 µg/L	10.0241 µg/L	
2 Se 196.026	72.8	69.2	47.0658 µg/L	47.0658 µg/L	
2 Si 251.611	8476.7	8055.9	1523.22 µg/L	1523.22 µg/L	
2 Sn 189.933	-3.1	-2.9	0.796818 µg/L	0.796818 µg/L	
2 Sr 407.771	18906.7	17968.3	10.3600 µg/L	10.3600 µg/L	
2 Ti 334.941	1691.6	1607.6	-0.275503 µg/L	-0.275503 µg/L	
2 Tl 190.800	16.0	15.2	-14.3787 µg/L	-14.3787 µg/L	
2 V 292.402	-224.9	-213.8	3.61029 µg/L	3.61029 µg/L	
2 Zn 206.200	9.4	8.9	2.47655 µg/L	2.47655 µg/L	

Mean Data

ID: 1002004-12 Seq. No.: 35 Sample No.: 22 A/S Pos: 38
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 9:50:30 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	419070.9	105.4	0.29	µg/L				0.28%
Y 360.064	259131.2	106.8	0.34	µg/L				0.32%
Ag 328.068	-14.3	0.271754	1.4983912	µg/L	0.271754	1.4983912	µg/L	551.38%
Al 396.140	425.7	49.4517	9.10776	µg/L	49.4517	9.10776	µg/L	18.42%
As 188.979	5.3	-18.8737	3.64841	µg/L	-18.8737	3.64841	µg/L	19.33%
B 249.773	1732.0	146.719	1.3908	µg/L	146.719	1.3908	µg/L	0.95%
Ba 455.403	12572.7	5.84318	0.277863	µg/L	5.84318	0.277863	µg/L	4.76%
Be 234.861	91.2	-0.203323	0.0356423	µg/L	-0.203323	0.0356423	µg/L	17.53%
Ca 315.887	86790.6	8.84018	0.107024	mg/L	8.84018	0.107024	mg/L	1.21%
Cd 214.438	48.9	0.492164	0.2763150	µg/L	0.492164	0.2763150	µg/L	56.14%
Ce 413.765	-196.0	2.33362	3.094264	µg/L	0.0023336	0.00309426	mg/L	132.60%
Co 228.616	-10.7	0.639324	1.7830286	µg/L	0.639324	1.7830286	µg/L	278.89%
Cr 205.560	50.4	1.57390	2.553454	µg/L	1.57390	2.553454	µg/L	162.24%
Cu 327.394	-60.8	-0.848464	1.2962937	µg/L	-0.848464	1.2962937	µg/L	152.78%
Fe 238.204	218.9	14.1164	1.39450	µg/L	14.1164	1.39450	µg/L	9.88%
K 766.514	2970.3	0.271897	0.0028643	mg/L	0.271897	0.0028643	mg/L	1.05%
Li 670.781	337.7	-1.96910	0.627262	µg/L	-1.96910	0.627262	µg/L	31.86%
Mg 279.074	1726.0	1.40428	0.011465	mg/L	1.40428	0.011465	mg/L	0.82%
Mn 257.610	-190.6	-1.52553	0.087809	µg/L	-1.52553	0.087809	µg/L	5.76%
Mo 202.031	3.4	-4.72831	9.713388	µg/L	-4.72831	9.713388	µg/L	205.43%
Na 589.594	55401.8	3.53093	0.022933	mg/L	3.53093	0.022933	mg/L	0.65%
Ni 231.603	84.0	0.931484	3.0734141	µg/L	0.931484	3.0734141	µg/L	329.95%
Pb 220.353	-7.0	-11.3282	12.60600	µg/L	-11.3282	12.60600	µg/L	111.28%

Sb 206.831	0.7	6.67558	4.735525 µg/L	6.67558	4.735525 µg/L	70.94%
Se 196.026	71.4	64.1882	24.21468 µg/L	64.1882	24.21468 µg/L	37.72%
Si 251.611	8016.6	1514.62	12.159 µg/L	1514.62	12.159 µg/L	0.80%
Sn 189.933	-2.9	1.74403	1.339565 µg/L	1.74403	1.339565 µg/L	76.81%
Sr 407.771	17843.7	10.2703	0.12686 µg/L	10.2703	0.12686 µg/L	1.24%
Ti 334.941	1616.2	-0.180499	0.1343559 µg/L	-0.180499	0.1343559 µg/L	74.44%
Tl 190.800	15.9	-10.3324	5.72245 µg/L	-10.3324	5.72245 µg/L	55.38%
V 292.402	-238.2	1.99958	2.277876 µg/L	1.99958	2.277876 µg/L	113.92%
Zn 206.200	6.5	1.33300	1.617225 µg/L	1.33300	1.617225 µg/L	121.32%

Replicate Data

ID: 1000974-blk1 Date: 2/8/10 9:53:47 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	406355.5	406355.5	102.2	µg/L		
1	Y 360.064	250589.4	250589.4	103.3	µg/L		
1	Ag 328.068	94.5	92.4	4.60373	µg/L	4.60373	µg/L
1	Al 396.140	-216.8	-212.0	-35.7213	µg/L	-35.7213	µg/L
1	As 188.979	10.3	10.1	9.21762	µg/L	9.21762	µg/L
1	B 249.773	163.6	160.1	-11.3814	µg/L	-11.3814	µg/L
1	Ba 455.403	8412.7	8229.1	-1.13001	µg/L	-1.13001	µg/L
1	Be 234.861	99.4	97.2	-0.133887	µg/L	-0.133887	µg/L
1	Ca 315.887	6.1	6.0	0.0331590	mg/L	0.0331590	mg/L
1	Cd 214.438	34.0	33.3	-1.93090	µg/L	-1.93090	µg/L
1	Ce 413.765	-251.5	-246.0	-5.45888	µg/L	-0.0054589	mg/L
1	Co 228.616	-11.1	-10.8	0.613448	µg/L	0.613448	µg/L
1	Cr 205.560	55.2	54.0	4.82150	µg/L	4.82150	µg/L
1	Cu 327.394	-121.2	-118.5	-4.88585	µg/L	-4.88585	µg/L
1	Fe 238.204	232.7	227.6	15.1019	µg/L	15.1019	µg/L
1	K 766.514	1908.9	1867.3	-0.0709099	mg/L	-0.0709099	mg/L
1	Li 670.781	434.1	424.7	-1.41702	µg/L	-1.41702	µg/L
1	Mg 279.074	-0.0	-0.0	-0.0104066	mg/L	-0.0104066	mg/L
1	Mn 257.610	-200.1	-195.7	-1.59527	µg/L	-1.59527	µg/L
1	Mo 202.031	3.0	2.9	-5.36914	µg/L	-5.36914	µg/L
1	Na 589.594	3369.4	3295.9	0.0039116	mg/L	0.0039116	mg/L
1	Ni 231.603	81.7	79.9	-1.51792	µg/L	-1.51792	µg/L
1	Pb 220.353	-6.3	-6.2	-8.42982	µg/L	-8.42982	µg/L
1	Sb 206.831	-0.4	-0.4	0.731220	µg/L	0.731220	µg/L
1	Se 196.026	68.6	67.1	31.0939	µg/L	31.0939	µg/L
1	Si 251.611	1140.3	1115.5	3.42766	µg/L	3.42766	µg/L
1	Sn 189.933	0.1	0.1	31.9093	µg/L	31.9093	µg/L
1	Sr 407.771	575.7	563.2	-2.16749	µg/L	-2.16749	µg/L
1	Ti 334.941	1845.6	1805.4	1.92517	µg/L	1.92517	µg/L
1	Tl 190.800	6.2	6.0	-71.1099	µg/L	-71.1099	µg/L
1	V 292.402	-239.3	-234.1	2.27050	µg/L	2.27050	µg/L
1	Zn 206.200	13.6	13.3	4.53659	µg/L	4.53659	µg/L
2	Sc 357.253	408602.4	408602.4	102.8	µg/L		
2	Y 360.064	251828.3	251828.3	103.8	µg/L		
2	Ag 328.068	-44.7	-43.5	-0.915374	µg/L	-0.915374	µg/L
2	Al 396.140	-232.9	-226.5	-37.6587	µg/L	-37.6587	µg/L
2	As 188.979	6.9	6.7	-10.3339	µg/L	-10.3339	µg/L
2	B 249.773	141.2	137.3	-13.6699	µg/L	-13.6699	µg/L
2	Ba 455.403	8256.0	8031.4	-1.44740	µg/L	-1.44740	µg/L
2	Be 234.861	88.6	86.2	-0.260734	µg/L	-0.260734	µg/L
2	Ca 315.887	123.3	119.9	0.0447172	mg/L	0.0447172	mg/L
2	Cd 214.438	43.2	42.0	-0.579633	µg/L	-0.579633	µg/L
2	Ce 413.765	-213.7	-207.9	0.484525	µg/L	0.0004845	mg/L
2	Co 228.616	-10.9	-10.6	0.678410	µg/L	0.678410	µg/L
2	Cr 205.560	52.0	50.5	1.70269	µg/L	1.70269	µg/L
2	Cu 327.394	-47.5	-46.2	0.170235	µg/L	0.170235	µg/L
2	Fe 238.204	239.6	233.1	15.7184	µg/L	15.7184	µg/L
2	K 766.514	2116.3	2058.7	-0.0114536	mg/L	-0.0114536	mg/L
2	Li 670.781	376.8	366.5	-1.78601	µg/L	-1.78601	µg/L
2	Mg 279.074	6.4	6.2	-0.0052872	mg/L	-0.0052872	mg/L
2	Mn 257.610	-221.5	-215.5	-1.86384	µg/L	-1.86384	µg/L
2	Mo 202.031	3.1	3.0	-5.26676	µg/L	-5.26676	µg/L
2	Na 589.594	3316.8	3226.6	-0.0007825	mg/L	-0.0007825	mg/L
2	Ni 231.603	91.9	89.4	4.08672	µg/L	4.08672	µg/L
2	Pb 220.353	-12.5	-12.2	-31.1155	µg/L	-31.1155	µg/L

2 Sb 206.831	3.2	3.1	19.0115 µg/L	19.0115 µg/L	
2 Se 196.026	73.1	71.1	61.9586 µg/L	61.9586 µg/L	
2 Si 251.611	1129.3	1098.5	-0.276133 µg/L	-0.276133 µg/L	
2 Sn 189.933	-2.4	-2.3	7.48322 µg/L	7.48322 µg/L	
2 Sr 407.771	550.3	535.4	-2.18751 µg/L	-2.18751 µg/L	
2 Ti 334.941	1849.1	1798.8	1.85221 µg/L	1.85221 µg/L	
2 Tl 190.800	11.1	10.8	-41.7279 µg/L	-41.7279 µg/L	
2 V 292.402	-365.5	-355.6	-5.75114 µg/L	-5.75114 µg/L	
2 Zn 206.200	4.8	4.6	0.480930 µg/L	0.480930 µg/L	

Mean Data

ID: 1000974-blk1 Seq. No.: 36 Sample No.: 23 A/S Pos: 39
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 9:53:47 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	407478.9	102.5	0.40	µg/L				0.39%
Y 360.064	251208.8	103.5	0.36	µg/L				0.35%
Ag 328.068	24.5	1.84418	3.902599	µg/L	1.84418	3.902599	µg/L	211.62%
Al 396.140	-219.3	-36.6900	1.36997	µg/L	-36.6900	1.36997	µg/L	3.73%
As 188.979	8.4	-0.558130	13.8249938	µg/L	-0.558130	13.8249938	µg/L	>999.9%
B 249.773	148.7	-12.5257	1.61823	µg/L	-12.5257	1.61823	µg/L	12.92%
Ba 455.403	8130.3	-1.28870	0.224432	µg/L	-1.28870	0.224432	µg/L	17.42%
Be 234.861	91.7	-0.197310	0.0896943	µg/L	-0.197310	0.0896943	µg/L	45.46%
Ca 315.887	63.0	0.0389381	0.00817293	mg/L	0.0389381	0.00817293	mg/L	20.99%
Cd 214.438	37.7	-1.25527	0.955490	µg/L	-1.25527	0.955490	µg/L	76.12%
Ce 413.765	-226.9	-2.48718	4.202618	µg/L	-0.0024872	0.00420262	mg/L	168.97%
Co 228.616	-10.7	0.645929	0.0459353	µg/L	0.645929	0.0459353	µg/L	7.11%
Cr 205.560	52.3	3.26210	2.205325	µg/L	3.26210	2.205325	µg/L	67.60%
Cu 327.394	-82.4	-2.35781	3.575193	µg/L	-2.35781	3.575193	µg/L	151.63%
Fe 238.204	230.4	15.4101	0.43594	µg/L	15.4101	0.43594	µg/L	2.83%
K 766.514	1963.0	-0.0411818	0.04204190	mg/L	-0.0411818	0.04204190	mg/L	102.09%
Li 670.781	395.6	-1.60151	0.260915	µg/L	-1.60151	0.260915	µg/L	16.29%
Mg 279.074	3.1	-0.0078469	0.00361994	mg/L	-0.0078469	0.00361994	mg/L	46.13%
Mn 257.610	-205.6	-1.72955	0.189904	µg/L	-1.72955	0.189904	µg/L	10.98%
Mo 202.031	3.0	-5.31795	0.072394	µg/L	-5.31795	0.072394	µg/L	1.36%
Na 589.594	3261.3	0.0015646	0.00331918	mg/L	0.0015646	0.00331918	mg/L	212.15%
Ni 231.603	84.6	1.28440	3.963077	µg/L	1.28440	3.963077	µg/L	308.56%
Pb 220.353	-9.2	-19.7727	16.04123	µg/L	-19.7727	16.04123	µg/L	81.13%
Sb 206.831	1.3	9.87138	12.926138	µg/L	9.87138	12.926138	µg/L	130.95%
Se 196.026	69.1	46.5262	21.82464	µg/L	46.5262	21.82464	µg/L	46.91%
Si 251.611	1107.0	1.57576	2.618974	µg/L	1.57576	2.618974	µg/L	166.20%
Sn 189.933	-1.1	19.6962	17.27181	µg/L	19.6962	17.27181	µg/L	87.69%
Sr 407.771	549.3	-2.17750	0.014153	µg/L	-2.17750	0.014153	µg/L	0.65%
Ti 334.941	1802.1	1.88869	0.051588	µg/L	1.88869	0.051588	µg/L	2.73%
Tl 190.800	8.4	-56.4189	20.77626	µg/L	-56.4189	20.77626	µg/L	36.82%
V 292.402	-294.8	-1.74032	5.672155	µg/L	-1.74032	5.672155	µg/L	325.93%
Zn 206.200	9.0	2.50876	2.867783	µg/L	2.50876	2.867783	µg/L	114.31%

Replicate Data

ID: 1000974-bs1 Date: 2/8/10 9:57:12 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	475046.7	475046.7	119.5	µg/L		
1	Y 360.064	297120.5	297120.5	122.4	µg/L		
1	Ag 328.068	10919.0	9136.4	371.717	µg/L	371.717	µg/L
1	Al 396.140	17509.4	14650.7	1949.19	µg/L	1949.19	µg/L
1	As 188.979	365.8	306.1	1744.67	µg/L	1744.67	µg/L
1	B 249.773	4725.7	3954.2	370.213	µg/L	370.213	µg/L
1	Ba 455.403	309304.3	258806.5	401.144	µg/L	401.144	µg/L
1	Be 234.861	4183.2	3500.2	38.9748	µg/L	38.9748	µg/L
1	Ca 315.887	242006.8	202496.2	20.5827	mg/L	20.5827	mg/L
1	Cd 214.438	2712.1	2269.3	344.762	µg/L	344.762	µg/L
1	Ce 413.765	-164.8	-137.9	11.3980	µg/L	0.0113980	mg/L
1	Co 228.616	1317.4	1102.3	345.013	µg/L	345.013	µg/L
1	Cr 205.560	511.3	427.9	344.912	µg/L	344.912	µg/L
1	Cu 327.394	6542.3	5474.2	385.986	µg/L	385.986	µg/L
1	Fe 238.204	4276.5	3578.3	392.441	µg/L	392.441	µg/L
1	K 766.514	79521.5	66538.7	20.0141	mg/L	20.0141	mg/L

1	Li 670.781	75762.0	63392.9	398.300 µg/L	398.300 µg/L
1	Mg 279.074	29061.2	24316.6	19.9060 mg/L	19.9060 mg/L
1	Mn 257.610	34515.2	28880.1	393.684 µg/L	393.684 µg/L
1	Mo 202.031	291.5	243.9	366.711 µg/L	366.711 µg/L
1	Na 589.594	360823.8	301914.8	20.2188 mg/L	20.2188 mg/L
1	Ni 231.603	784.1	656.1	340.070 µg/L	340.070 µg/L
1	Pb 220.353	108.1	90.5	356.352 µg/L	356.352 µg/L
1	Sb 206.831	416.9	348.8	1808.84 µg/L	1808.84 µg/L
1	Se 196.026	342.3	286.4	1710.20 µg/L	1710.20 µg/L
1	Si 251.611	11575.9	9686.0	1880.16 µg/L	1880.16 µg/L
1	Sn 189.933	207.1	173.3	1807.83 µg/L	1807.83 µg/L
1	Sr 407.771	681153.3	569946.5	407.651 µg/L	407.651 µg/L
1	Ti 334.941	45472.4	38048.4	405.280 µg/L	405.280 µg/L
1	Tl 190.800	352.9	295.3	1714.75 µg/L	1714.75 µg/L
1	V 292.402	6839.6	5723.0	395.494 µg/L	395.494 µg/L
1	Zn 206.200	891.9	746.3	346.520 µg/L	346.520 µg/L
2	Sc 357.253	408034.2	408034.2	102.7 µg/L	
2	Y 360.064	251597.9	251597.9	103.7 µg/L	
2	Ag 328.068	9930.1	9673.5	393.522 µg/L	393.522 µg/L
2	Al 396.140	15762.9	15355.6	2043.32 µg/L	2043.32 µg/L
2	As 188.979	363.9	354.5	2028.44 µg/L	2028.44 µg/L
2	B 249.773	4268.1	4157.8	390.692 µg/L	390.692 µg/L
2	Ba 455.403	266874.3	259977.5	403.024 µg/L	403.024 µg/L
2	Be 234.861	3765.5	3668.2	40.9052 µg/L	40.9052 µg/L
2	Ca 315.887	206720.9	201378.6	20.4691 mg/L	20.4691 mg/L
2	Cd 214.438	2722.8	2652.4	404.166 µg/L	404.166 µg/L
2	Ce 413.765	-34.4	-33.5	27.6807 µg/L	0.0276807 mg/L
2	Co 228.616	1322.5	1288.3	402.568 µg/L	402.568 µg/L
2	Cr 205.560	511.7	498.5	409.161 µg/L	409.161 µg/L
2	Cu 327.394	5955.7	5801.8	408.878 µg/L	408.878 µg/L
2	Fe 238.204	3851.7	3752.2	412.022 µg/L	412.022 µg/L
2	K 766.514	69016.8	67233.2	20.2299 mg/L	20.2299 mg/L
2	Li 670.781	66025.2	64319.0	404.178 µg/L	404.178 µg/L
2	Mg 279.074	26074.9	25401.0	20.7940 mg/L	20.7940 mg/L
2	Mn 257.610	30940.2	30140.6	410.820 µg/L	410.820 µg/L
2	Mo 202.031	289.9	282.4	426.245 µg/L	426.245 µg/L
2	Na 589.594	312376.3	304303.5	20.3804 mg/L	20.3804 mg/L
2	Ni 231.603	776.5	756.4	399.551 µg/L	399.551 µg/L
2	Pb 220.353	105.9	103.1	404.120 µg/L	404.120 µg/L
2	Sb 206.831	420.9	410.0	2125.50 µg/L	2125.50 µg/L
2	Se 196.026	337.6	328.9	2035.17 µg/L	2035.17 µg/L
2	Si 251.611	10545.4	10272.9	2008.69 µg/L	2008.69 µg/L
2	Sn 189.933	207.9	202.5	2107.20 µg/L	2107.20 µg/L
2	Sr 407.771	584938.1	569821.6	407.561 µg/L	407.561 µg/L
2	Ti 334.941	40812.4	39757.7	424.303 µg/L	424.303 µg/L
2	Tl 190.800	357.8	348.5	2043.61 µg/L	2043.61 µg/L
2	V 292.402	6124.6	5966.3	411.558 µg/L	411.558 µg/L
2	Zn 206.200	881.4	858.6	398.910 µg/L	398.910 µg/L

Mean Data

ID: 1000974-bs1 Seq. No.: 37 Sample No.: 24 A/S Pos: 40
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 9:57:12 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	441540.5	111.1	11.92	µg/L				10.73%
Y 360.064	274359.2	113.1	13.26	µg/L				11.73%
Ag 328.068	9404.9	382.620	15.4182	µg/L	382.620	15.4182	µg/L	4.03%
Al 396.140	15003.2	1996.25	66.559	µg/L	1996.25	66.559	µg/L	3.33%
As 188.979	330.3	1886.55	200.658	µg/L	1886.55	200.658	µg/L	10.64%
B 249.773	4056.0	380.452	14.4811	µg/L	380.452	14.4811	µg/L	3.81%
Ba 455.403	259392.0	402.084	1.3293	µg/L	402.084	1.3293	µg/L	0.33%
Be 234.861	3584.2	39.9400	1.36500	µg/L	39.9400	1.36500	µg/L	3.42%
Ca 315.887	201937.4	20.5259	0.08035	mg/L	20.5259	0.08035	mg/L	0.39%
Cd 214.438	2460.9	374.464	42.0054	µg/L	374.464	42.0054	µg/L	11.22%
Ce 413.765	-85.7	19.5393	11.51361	µg/L	0.0195393	0.01151361	mg/L	58.93%
Co 228.616	1195.3	373.791	40.6972	µg/L	373.791	40.6972	µg/L	10.89%
Cr 205.560	463.2	377.037	45.4310	µg/L	377.037	45.4310	µg/L	12.05%
Cu 327.394	5638.0	397.432	16.1874	µg/L	397.432	16.1874	µg/L	4.07%
Fe 238.204	3665.3	402.231	13.8463	µg/L	402.231	13.8463	µg/L	3.44%

K 766.514	66885.9	20.1220	0.15257 mg/L	20.1220	0.15257 mg/L	0.76%
Li 670.781	63855.9	401.239	4.1567 µg/L	401.239	4.1567 µg/L	1.04%
Mg 279.074	24858.8	20.3500	0.62794 mg/L	20.3500	0.62794 mg/L	3.09%
Mn 257.610	29510.4	402.252	12.1167 µg/L	402.252	12.1167 µg/L	3.01%
Mo 202.031	263.2	396.478	42.0968 µg/L	396.478	42.0968 µg/L	10.62%
Na 589.594	303109.2	20.2996	0.11428 mg/L	20.2996	0.11428 mg/L	0.56%
Ni 231.603	706.3	369.811	42.0590 µg/L	369.811	42.0590 µg/L	11.37%
Pb 220.353	96.8	380.236	33.7772 µg/L	380.236	33.7772 µg/L	8.88%
Sb 206.831	379.4	1967.17	223.909 µg/L	1967.17	223.909 µg/L	11.38%
Se 196.026	307.7	1872.69	229.791 µg/L	1872.69	229.791 µg/L	12.27%
Si 251.611	9979.4	1944.43	90.878 µg/L	1944.43	90.878 µg/L	4.67%
Sn 189.933	187.9	1957.51	211.686 µg/L	1957.51	211.686 µg/L	10.81%
Sr 407.771	569884.0	407.606	0.0636 µg/L	407.606	0.0636 µg/L	0.02%
Ti 334.941	38903.1	414.791	13.4509 µg/L	414.791	13.4509 µg/L	3.24%
Tl 190.800	321.9	1879.18	232.544 µg/L	1879.18	232.544 µg/L	12.37%
V 292.402	5844.7	403.526	11.3593 µg/L	403.526	11.3593 µg/L	2.82%
Zn 206.200	802.4	372.715	37.0449 µg/L	372.715	37.0449 µg/L	9.94%

Replicate Data

ID: 1002041-01 Date: 2/8/10 10:00:39 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	428641.7	428641.7	107.8	µg/L		
1	Y 360.064	264945.3	264945.3	109.2	µg/L		
1	Ag 328.068	5.8	5.4	1.07006	µg/L	1.07006	µg/L
1	Al 396.140	-315.6	-292.6	-46.4846	µg/L	-46.4846	µg/L
1	As 188.979	9.6	8.9	2.07247	µg/L	2.07247	µg/L
1	B 249.773	805.3	746.7	47.6224	µg/L	47.6224	µg/L
1	Ba 455.403	84253.6	78130.3	111.089	µg/L	111.089	µg/L
1	Be 234.861	167.5	155.3	0.533898	µg/L	0.533898	µg/L
1	Ca 315.887	985486.5	913864.6	92.7758	mg/L	92.7758	mg/L
1	Cd 214.438	62.7	58.2	1.92689	µg/L	1.92689	µg/L
1	Ce 413.765	-160.5	-148.9	9.68735	µg/L	0.0096874	mg/L
1	Co 228.616	-10.8	-10.0	0.857537	µg/L	0.857537	µg/L
1	Cr 205.560	52.6	48.8	0.0941841	µg/L	0.0941841	µg/L
1	Cu 327.394	-232.9	-215.9	-11.6931	µg/L	-11.6931	µg/L
1	Fe 238.204	37813.2	35065.1	3938.33	µg/L	3938.33	µg/L
1	K 766.514	11388.3	10560.6	2.63410	mg/L	2.63410	mg/L
1	Li 670.781	853.7	791.6	0.912480	µg/L	0.912480	µg/L
1	Mg 279.074	30292.0	28090.5	23.0028	mg/L	23.0028	mg/L
1	Mn 257.610	36914.0	34231.2	466.431	µg/L	466.431	µg/L
1	Mo 202.031	-1.2	-1.2	-11.7054	µg/L	-11.7054	µg/L
1	Na 589.594	768067.6	712247.0	47.9985	mg/L	47.9985	mg/L
1	Ni 231.603	108.6	100.7	10.8243	µg/L	10.8243	µg/L
1	Pb 220.353	-11.8	-10.9	-26.3724	µg/L	-26.3724	µg/L
1	Sb 206.831	8.0	7.4	41.3417	µg/L	41.3417	µg/L
1	Se 196.026	73.6	68.3	40.1268	µg/L	40.1268	µg/L
1	Si 251.611	26608.2	24674.4	5162.28	µg/L	5162.28	µg/L
1	Sn 189.933	-16.6	-15.4	-127.116	µg/L	-127.116	µg/L
1	Sr 407.771	254347.0	235861.9	167.191	µg/L	167.191	µg/L
1	Ti 334.941	1812.3	1680.6	0.536347	µg/L	0.536347	µg/L
1	Tl 190.800	16.2	15.0	-15.7954	µg/L	-15.7954	µg/L
1	V 292.402	-222.6	-206.4	4.09373	µg/L	4.09373	µg/L
1	Zn 206.200	7.0	6.5	1.35593	µg/L	1.35593	µg/L
2	Sc 357.253	411639.0	411639.0	103.6	µg/L		
2	Y 360.064	253195.2	253195.2	104.3	µg/L		
2	Ag 328.068	-43.5	-42.0	-0.853885	µg/L	-0.853885	µg/L
2	Al 396.140	-486.6	-469.9	-70.1563	µg/L	-70.1563	µg/L
2	As 188.979	8.6	8.3	-1.48002	µg/L	-1.48002	µg/L
2	B 249.773	800.7	773.2	50.2828	µg/L	50.2828	µg/L
2	Ba 455.403	81875.9	79061.5	112.583	µg/L	112.583	µg/L
2	Be 234.861	157.5	152.1	0.496603	µg/L	0.496603	µg/L
2	Ca 315.887	956698.2	923812.8	93.7855	mg/L	93.7855	mg/L
2	Cd 214.438	69.5	67.1	3.31229	µg/L	3.31229	µg/L
2	Ce 413.765	-174.1	-168.1	6.67957	µg/L	0.0066796	mg/L
2	Co 228.616	-3.4	-3.3	2.95010	µg/L	2.95010	µg/L
2	Cr 205.560	61.0	58.9	9.27703	µg/L	9.27703	µg/L
2	Cu 327.394	-230.5	-222.5	-12.1542	µg/L	-12.1542	µg/L
2	Fe 238.204	38236.9	36922.5	4147.51	µg/L	4147.51	µg/L

2 K 766.514	11557.6	11160.3	2.82046 mg/L	2.82046 mg/L
2 Li 670.781	809.9	782.0	0.851517 µg/L	0.851517 µg/L
2 Mg 279.074	30400.2	29355.3	24.0386 mg/L	24.0386 mg/L
2 Mn 257.610	37155.9	35878.7	488.828 µg/L	488.828 µg/L
2 Mo 202.031	-3.7	-3.6	-15.4174 µg/L	-15.4174 µg/L
2 Na 589.594	740391.0	714940.9	48.1809 mg/L	48.1809 mg/L
2 Ni 231.603	101.2	97.7	9.04586 µg/L	9.04586 µg/L
2 Pb 220.353	-14.8	-14.3	-38.9359 µg/L	-38.9359 µg/L
2 Sb 206.831	-8.0	-7.7	-37.0884 µg/L	-37.0884 µg/L
2 Se 196.026	76.7	74.0	84.2351 µg/L	84.2351 µg/L
2 Si 251.611	26621.7	25706.6	5388.31 µg/L	5388.31 µg/L
2 Sn 189.933	-19.7	-19.1	-164.323 µg/L	-164.323 µg/L
2 Sr 407.771	245318.1	236885.5	167.927 µg/L	167.927 µg/L
2 Ti 334.941	1810.3	1748.1	1.28753 µg/L	1.28753 µg/L
2 Tl 190.800	4.8	4.6	-79.8368 µg/L	-79.8368 µg/L
2 V 292.402	-230.0	-222.1	3.06215 µg/L	3.06215 µg/L
2 Zn 206.200	1.2	1.1	-1.15774 µg/L	-1.15774 µg/L

Mean Data

ID: 1002041-01 Seq. No.: 38 Sample No.: 25 A/S Pos: 41
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 10:00:39 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	420140.4	105.7	3.02	µg/L				2.86%
Y 360.064	259070.2	106.8	3.42	µg/L				3.21%
Ag 328.068	-18.3	0.108089	1.3604377	µg/L	0.108089	1.3604377	µg/L	>999.9%
Al 396.140	-381.3	-58.3205	16.73843	µg/L	-58.3205	16.73843	µg/L	28.70%
As 188.979	8.6	0.296222	2.5119885	µg/L	0.296222	2.5119885	µg/L	848.01%
B 249.773	760.0	48.9526	1.88122	µg/L	48.9526	1.88122	µg/L	3.84%
Ba 455.403	78595.9	111.836	1.0571	µg/L	111.836	1.0571	µg/L	0.95%
Be 234.861	153.7	0.515250	0.0263712	µg/L	0.515250	0.0263712	µg/L	5.12%
Ca 315.887	918838.7	93.2807	0.71396	mg/L	93.2807	0.71396	mg/L	0.77%
Cd 214.438	62.7	2.61959	0.979624	µg/L	2.61959	0.979624	µg/L	37.40%
Ce 413.765	-158.5	8.18346	2.126828	µg/L	0.0081835	0.00212683	mg/L	25.99%
Co 228.616	-6.7	1.90382	1.479669	µg/L	1.90382	1.479669	µg/L	77.72%
Cr 205.560	53.8	4.68561	6.493250	µg/L	4.68561	6.493250	µg/L	138.58%
Cu 327.394	-219.2	-11.9237	0.32606	µg/L	-11.9237	0.32606	µg/L	2.73%
Fe 238.204	35993.8	4042.92	147.910	µg/L	4042.92	147.910	µg/L	3.66%
K 766.514	10860.5	2.72728	0.131777	mg/L	2.72728	0.131777	mg/L	4.83%
Li 670.781	786.8	0.881999	0.0431073	µg/L	0.881999	0.0431073	µg/L	4.89%
Mg 279.074	28722.9	23.5207	0.73241	mg/L	23.5207	0.73241	mg/L	3.11%
Mn 257.610	35055.0	477.629	15.8371	µg/L	477.629	15.8371	µg/L	3.32%
Mo 202.031	-2.4	-13.5614	2.62482	µg/L	-13.5614	2.62482	µg/L	19.36%
Na 589.594	713593.9	48.0897	0.12903	mg/L	48.0897	0.12903	mg/L	0.27%
Ni 231.603	99.2	9.93506	1.257518	µg/L	9.93506	1.257518	µg/L	12.66%
Pb 220.353	-12.6	-32.6542	8.88373	µg/L	-32.6542	8.88373	µg/L	27.21%
Sb 206.831	-0.2	2.12669	55.458470	µg/L	2.12669	55.458470	µg/L	>999.9%
Se 196.026	71.1	62.1809	31.18932	µg/L	62.1809	31.18932	µg/L	50.16%
Si 251.611	25190.5	5275.29	159.826	µg/L	5275.29	159.826	µg/L	3.03%
Sn 189.933	-17.2	-145.720	26.3092	µg/L	-145.720	26.3092	µg/L	18.05%
Sr 407.771	236373.7	167.559	0.5210	µg/L	167.559	0.5210	µg/L	0.31%
Ti 334.941	1714.3	0.911938	0.5311664	µg/L	0.911938	0.5311664	µg/L	58.25%
Tl 190.800	9.8	-47.8161	45.28410	µg/L	-47.8161	45.28410	µg/L	94.70%
V 292.402	-214.3	3.57794	0.729436	µg/L	3.57794	0.729436	µg/L	20.39%
Zn 206.200	3.8	0.0990914	1.77743205	µg/L	0.0990914	1.77743205	µg/L	>999.9%

Replicate Data

ID: 1000974-ms1 Date: 2/8/10 10:04:09 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	413350.3	413350.3	104.0	µg/L		
1	Y 360.064	253555.4	253555.4	104.5	µg/L		
1	Ag 328.068	9861.0	9482.6	385.773	µg/L	385.773	µg/L
1	Al 396.140	15413.8	14822.3	1972.10	µg/L	1972.10	µg/L
1	As 188.979	380.6	366.0	2096.19	µg/L	2096.19	µg/L
1	B 249.773	4837.1	4651.5	440.343	µg/L	440.343	µg/L
1	Ba 455.403	336016.6	323123.1	504.397	µg/L	504.397	µg/L
1	Be 234.861	3842.4	3695.0	41.2131	µg/L	41.2131	µg/L

1 Ca 315.887	1141577.4	1097773.2	111.440 mg/L	111.440 mg/L	
1 Cd 214.438	2805.0	2697.4	411.139 µg/L	411.139 µg/L	
1 Ce 413.765	-153.2	-147.4	9.92192 µg/L	0.0099219 mg/L	
1 Co 228.616	1349.4	1297.6	405.434 µg/L	405.434 µg/L	
1 Cr 205.560	531.9	511.5	421.010 µg/L	421.010 µg/L	
1 Cu 327.394	5728.7	5508.9	400.264 µg/L	400.264 µg/L	
1 Fe 238.204	41279.6	39695.6	4459.80 µg/L	4459.80 µg/L	
1 K 766.514	78045.9	75051.2	22.6631 mg/L	22.6631 mg/L	
1 Li 670.781	65814.9	63289.5	397.643 µg/L	397.643 µg/L	
1 Mg 279.074	55960.1	53812.9	44.0699 mg/L	44.0699 mg/L	
1 Mn 257.610	67325.4	64742.0	881.218 µg/L	881.218 µg/L	
1 Mo 202.031	297.5	286.1	431.872 µg/L	431.872 µg/L	
1 Na 589.594	1032005.4	992405.7	66.9636 mg/L	66.9636 mg/L	
1 Ni 231.603	798.2	767.6	406.147 µg/L	406.147 µg/L	
1 Pb 220.353	114.4	110.0	430.058 µg/L	430.058 µg/L	
1 Sb 206.831	422.9	406.6	2108.03 µg/L	2108.03 µg/L	
1 Se 196.026	356.9	343.2	2144.66 µg/L	2144.66 µg/L	
1 Si 251.611	35576.3	34211.2	7086.87 µg/L	7086.87 µg/L	
1 Sn 189.933	203.4	195.6	2036.33 µg/L	2036.33 µg/L	
1 Sr 407.771	818718.3	787302.8	564.095 µg/L	564.095 µg/L	
1 Ti 334.941	41324.4	39738.7	424.092 µg/L	424.092 µg/L	
1 Tl 190.800	347.6	334.3	1955.87 µg/L	1955.87 µg/L	
1 V 292.402	6076.0	5842.9	403.406 µg/L	403.406 µg/L	
1 Zn 206.200	908.5	873.7	405.953 µg/L	405.953 µg/L	
2 Sc 357.253	480543.3	480543.3	120.9 µg/L		
2 Y 360.064	299507.6	299507.6	123.4 µg/L		
2 Ag 328.068	11411.8	9439.4	384.020 µg/L	384.020 µg/L	
2 Al 396.140	18133.3	14999.2	1995.73 µg/L	1995.73 µg/L	
2 As 188.979	423.3	350.1	2002.83 µg/L	2002.83 µg/L	
2 B 249.773	5802.7	4799.8	455.262 µg/L	455.262 µg/L	
2 Ba 455.403	396481.5	327956.3	512.156 µg/L	512.156 µg/L	
2 Be 234.861	4427.8	3662.5	40.8396 µg/L	40.8396 µg/L	
2 Ca 315.887	1361526.5	1126209.5	114.326 mg/L	114.326 mg/L	
2 Cd 214.438	3057.3	2528.9	385.015 µg/L	385.015 µg/L	
2 Ce 413.765	-114.6	-94.8	18.1138 µg/L	0.0181138 mg/L	
2 Co 228.616	1473.5	1218.8	381.069 µg/L	381.069 µg/L	
2 Cr 205.560	573.5	474.3	387.186 µg/L	387.186 µg/L	
2 Cu 327.394	6735.8	5571.6	404.958 µg/L	404.958 µg/L	
2 Fe 238.204	48724.7	40303.5	4528.26 µg/L	4528.26 µg/L	
2 K 766.514	91265.7	75491.9	22.8001 mg/L	22.8001 mg/L	
2 Li 670.781	77136.3	63804.6	400.913 µg/L	400.913 µg/L	
2 Mg 279.074	65815.3	54440.2	44.5840 mg/L	44.5840 mg/L	
2 Mn 257.610	79382.5	65662.6	893.733 µg/L	893.733 µg/L	
2 Mo 202.031	320.9	265.5	400.029 µg/L	400.029 µg/L	
2 Na 589.594	1214291.4	1004421.5	67.7772 mg/L	67.7772 mg/L	
2 Ni 231.603	867.0	717.2	376.268 µg/L	376.268 µg/L	
2 Pb 220.353	112.7	93.2	366.739 µg/L	366.739 µg/L	
2 Sb 206.831	475.7	393.5	2039.74 µg/L	2039.74 µg/L	
2 Se 196.026	381.1	315.2	1930.47 µg/L	1930.47 µg/L	
2 Si 251.611	41564.9	34381.1	7122.17 µg/L	7122.17 µg/L	
2 Sn 189.933	227.1	187.9	1957.15 µg/L	1957.15 µg/L	
2 Sr 407.771	971803.5	803843.6	576.000 µg/L	576.000 µg/L	
2 Ti 334.941	48602.4	40202.2	429.250 µg/L	429.250 µg/L	
2 Tl 190.800	377.7	312.5	1820.96 µg/L	1820.96 µg/L	
2 V 292.402	7187.9	5945.6	410.190 µg/L	410.190 µg/L	
2 Zn 206.200	989.0	818.1	380.019 µg/L	380.019 µg/L	

Mean Data

ID: 1000974-ms1 Seq. No.: 39 Sample No.: 26 A/S Pos: 42
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 10:04:09 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	446946.8	112.4	11.95	µg/L				10.63%
Y 360.064	276531.5	114.0	13.39	µg/L				11.75%
Ag 328.068	9461.0	384.896	1.2397	µg/L	384.896	1.2397	µg/L	0.32%
Al 396.140	14910.8	1983.92	16.706	µg/L	1983.92	16.706	µg/L	0.84%
As 188.979	358.1	2049.51	66.018	µg/L	2049.51	66.018	µg/L	3.22%
B 249.773	4725.6	447.802	10.5492	µg/L	447.802	10.5492	µg/L	2.36%
Ba 455.403	325539.7	508.277	5.4865	µg/L	508.277	5.4865	µg/L	1.08%

Be 234.861	3678.8	41.0263	0.26407 µg/L	41.0263	0.26407 µg/L	0.64%
Ca 315.887	1111991.4	112.883	2.0407 mg/L	112.883	2.0407 mg/L	1.81%
Cd 214.438	2613.1	398.077	18.4729 µg/L	398.077	18.4729 µg/L	4.64%
Ce 413.765	-121.1	14.0179	5.79253 µg/L	0.0140179	0.00579253 mg/L	41.32%
Co 228.616	1258.2	393.251	17.2285 µg/L	393.251	17.2285 µg/L	4.38%
Cr 205.560	492.9	404.098	23.9174 µg/L	404.098	23.9174 µg/L	5.92%
Cu 327.394	5540.2	402.611	3.3196 µg/L	402.611	3.3196 µg/L	0.82%
Fe 238.204	39999.6	4494.03	48.405 µg/L	4494.03	48.405 µg/L	1.08%
K 766.514	75271.6	22.7316	0.09687 mg/L	22.7316	0.09687 mg/L	0.43%
Li 670.781	63547.0	399.278	2.3124 µg/L	399.278	2.3124 µg/L	0.58%
Mg 279.074	54126.5	44.3269	0.36349 mg/L	44.3269	0.36349 mg/L	0.82%
Mn 257.610	65202.3	887.476	8.8488 µg/L	887.476	8.8488 µg/L	1.00%
Mo 202.031	275.8	415.950	22.5165 µg/L	415.950	22.5165 µg/L	5.41%
Na 589.594	998413.6	67.3704	0.57529 mg/L	67.3704	0.57529 mg/L	0.85%
Ni 231.603	742.4	391.208	21.1275 µg/L	391.208	21.1275 µg/L	5.40%
Pb 220.353	101.6	398.398	44.7735 µg/L	398.398	44.7735 µg/L	11.24%
Sb 206.831	400.0	2073.89	48.290 µg/L	2073.89	48.290 µg/L	2.33%
Se 196.026	329.2	2037.56	151.455 µg/L	2037.56	151.455 µg/L	7.43%
Si 251.611	34296.1	7104.52	24.961 µg/L	7104.52	24.961 µg/L	0.35%
Sn 189.933	191.7	1996.74	55.985 µg/L	1996.74	55.985 µg/L	2.80%
Sr 407.771	795573.2	570.047	8.4184 µg/L	570.047	8.4184 µg/L	1.48%
Ti 334.941	39970.5	426.671	3.6476 µg/L	426.671	3.6476 µg/L	0.85%
Tl 190.800	323.4	1888.41	95.402 µg/L	1888.41	95.402 µg/L	5.05%
V 292.402	5894.2	406.798	4.7967 µg/L	406.798	4.7967 µg/L	1.18%
Zn 206.200	845.9	392.986	18.3379 µg/L	392.986	18.3379 µg/L	4.67%

Replicate Data

ID: 1000974-msd1 Date: 2/8/10 10:07:41 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	487393.2	487393.2	122.6	µg/L		
1	Y 360.064	303816.5	303816.5	125.2	µg/L		
1	Ag 328.068	11246.3	9171.8	373.156	µg/L	373.156	µg/L
1	Al 396.140	17876.1	14578.7	1939.57	µg/L	1939.57	µg/L
1	As 188.979	439.9	358.8	2053.72	µg/L	2053.72	µg/L
1	B 249.773	5855.8	4775.6	452.829	µg/L	452.829	µg/L
1	Ba 455.403	392029.5	319716.3	498.928	µg/L	498.928	µg/L
1	Be 234.861	4431.8	3614.3	40.2853	µg/L	40.2853	µg/L
1	Ca 315.887	1361312.9	1110207.2	112.701	mg/L	112.701	mg/L
1	Cd 214.438	3213.3	2620.6	399.228	µg/L	399.228	µg/L
1	Ce 413.765	-142.1	-115.9	14.8330	µg/L	0.0148330	mg/L
1	Co 228.616	1551.6	1265.4	395.476	µg/L	395.476	µg/L
1	Cr 205.560	599.0	488.5	400.050	µg/L	400.050	µg/L
1	Cu 327.394	6600.7	5383.1	391.609	µg/L	391.609	µg/L
1	Fe 238.204	48927.5	39902.4	4483.09	µg/L	4483.09	µg/L
1	K 766.514	90405.4	73729.4	22.2526	mg/L	22.2526	mg/L
1	Li 670.781	76061.5	62031.3	389.656	µg/L	389.656	µg/L
1	Mg 279.074	65653.3	53543.0	43.8490	mg/L	43.8490	mg/L
1	Mn 257.610	79055.4	64472.9	877.560	µg/L	877.560	µg/L
1	Mo 202.031	337.4	275.1	414.987	µg/L	414.987	µg/L
1	Na 589.594	1207050.2	984399.5	66.4218	mg/L	66.4218	mg/L
1	Ni 231.603	915.9	747.0	393.952	µg/L	393.952	µg/L
1	Pb 220.353	119.1	97.2	381.547	µg/L	381.547	µg/L
1	Sb 206.831	495.3	404.0	2094.22	µg/L	2094.22	µg/L
1	Se 196.026	392.4	320.0	1966.96	µg/L	1966.96	µg/L
1	Si 251.611	41621.6	33944.2	7029.23	µg/L	7029.23	µg/L
1	Sn 189.933	225.1	183.6	1912.74	µg/L	1912.74	µg/L
1	Sr 407.771	962337.1	784825.8	562.312	µg/L	562.312	µg/L
1	Ti 334.941	48043.4	39181.4	417.889	µg/L	417.889	µg/L
1	Tl 190.800	402.8	328.5	1919.87	µg/L	1919.87	µg/L
1	V 292.402	7120.9	5807.4	401.064	µg/L	401.064	µg/L
1	Zn 206.200	1049.6	856.0	397.719	µg/L	397.719	µg/L
2	Sc 357.253	481099.3	481099.3	121.0	µg/L		
2	Y 360.064	299158.0	299158.0	123.3	µg/L		
2	Ag 328.068	11396.8	9416.1	383.074	µg/L	383.074	µg/L
2	Al 396.140	18228.5	15060.6	2003.92	µg/L	2003.92	µg/L
2	As 188.979	419.3	346.4	1981.25	µg/L	1981.25	µg/L
2	B 249.773	5903.4	4877.4	463.068	µg/L	463.068	µg/L
2	Ba 455.403	394002.4	325529.0	508.259	µg/L	508.259	µg/L

2 Be 234.861	4503.9	3721.2	41.5140 µg/L	41.5140 µg/L	
2 Ca 315.887	1369122.7	1131183.8	114.830 mg/L	114.830 mg/L	
2 Cd 214.438	3071.9	2538.0	386.429 µg/L	386.429 µg/L	
2 Ce 413.765	-147.5	-121.8	13.9003 µg/L	0.0139003 mg/L	
2 Co 228.616	1489.3	1230.5	384.674 µg/L	384.674 µg/L	
2 Cr 205.560	581.2	480.2	392.480 µg/L	392.480 µg/L	
2 Cu 327.394	6728.7	5559.3	404.152 µg/L	404.152 µg/L	
2 Fe 238.204	49383.5	40801.2	4584.30 µg/L	4584.30 µg/L	
2 K 766.514	90565.0	74825.8	22.5933 mg/L	22.5933 mg/L	
2 Li 670.781	76536.6	63235.4	397.300 µg/L	397.300 µg/L	
2 Mg 279.074	66056.7	54576.8	44.6958 mg/L	44.6958 mg/L	
2 Mn 257.610	80023.1	66115.9	899.896 µg/L	899.896 µg/L	
2 Mo 202.031	316.2	261.2	393.477 µg/L	393.477 µg/L	
2 Na 589.594	1211736.5	1001149.7	67.5558 mg/L	67.5558 mg/L	
2 Ni 231.603	875.4	723.3	379.894 µg/L	379.894 µg/L	
2 Pb 220.353	116.9	96.6	379.300 µg/L	379.300 µg/L	
2 Sb 206.831	460.4	380.4	1972.09 µg/L	1972.09 µg/L	
2 Se 196.026	377.6	312.0	1905.91 µg/L	1905.91 µg/L	
2 Si 251.611	42075.4	34763.1	7205.42 µg/L	7205.42 µg/L	
2 Sn 189.933	221.4	182.9	1906.15 µg/L	1906.15 µg/L	
2 Sr 407.771	967010.9	798954.8	572.481 µg/L	572.481 µg/L	
2 Ti 334.941	48591.8	40147.1	428.636 µg/L	428.636 µg/L	
2 Tl 190.800	394.7	326.1	1905.03 µg/L	1905.03 µg/L	
2 V 292.402	7283.9	6018.0	414.970 µg/L	414.970 µg/L	
2 Zn 206.200	1002.1	827.9	384.615 µg/L	384.615 µg/L	

Mean Data

ID: 1000974-msd1 Seq. No.: 40 Sample No.: 27 A/S Pos: 43
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 10:07:41 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	484246.3	121.8	1.12	µg/L				0.92%
Y 360.064	301487.3	124.2	1.36	µg/L				1.09%
Ag 328.068	9294.0	378.115	7.0131	µg/L	378.115	7.0131	µg/L	1.85%
Al 396.140	14819.6	1971.75	45.500	µg/L	1971.75	45.500	µg/L	2.31%
As 188.979	352.6	2017.48	51.239	µg/L	2017.48	51.239	µg/L	2.54%
B 249.773	4826.5	457.948	7.2395	µg/L	457.948	7.2395	µg/L	1.58%
Ba 455.403	322622.7	503.594	6.5984	µg/L	503.594	6.5984	µg/L	1.31%
Be 234.861	3667.7	40.8997	0.86886	µg/L	40.8997	0.86886	µg/L	2.12%
Ca 315.887	1120695.5	113.766	1.5054	mg/L	113.766	1.5054	mg/L	1.32%
Cd 214.438	2579.3	392.829	9.0509	µg/L	392.829	9.0509	µg/L	2.30%
Ce 413.765	-118.9	14.3666	0.65952	µg/L	0.0143666	0.00065952	mg/L	4.59%
Co 228.616	1248.0	390.075	7.6380	µg/L	390.075	7.6380	µg/L	1.96%
Cr 205.560	484.3	396.265	5.3533	µg/L	396.265	5.3533	µg/L	1.35%
Cu 327.394	5471.2	397.881	8.8690	µg/L	397.881	8.8690	µg/L	2.23%
Fe 238.204	40351.8	4533.70	71.569	µg/L	4533.70	71.569	µg/L	1.58%
K 766.514	74277.6	22.4230	0.24085	mg/L	22.4230	0.24085	mg/L	1.07%
Li 670.781	62633.3	393.478	5.4046	µg/L	393.478	5.4046	µg/L	1.37%
Mg 279.074	54059.9	44.2724	0.59878	mg/L	44.2724	0.59878	mg/L	1.35%
Mn 257.610	65294.4	888.728	15.7938	µg/L	888.728	15.7938	µg/L	1.78%
Mo 202.031	268.2	404.232	15.2093	µg/L	404.232	15.2093	µg/L	3.76%
Na 589.594	992774.6	66.9888	0.80187	mg/L	66.9888	0.80187	mg/L	1.20%
Ni 231.603	735.1	386.923	9.9406	µg/L	386.923	9.9406	µg/L	2.57%
Pb 220.353	96.9	380.423	1.5890	µg/L	380.423	1.5890	µg/L	0.42%
Sb 206.831	392.2	2033.15	86.355	µg/L	2033.15	86.355	µg/L	4.25%
Se 196.026	316.0	1936.43	43.173	µg/L	1936.43	43.173	µg/L	2.23%
Si 251.611	34353.7	7117.32	124.585	µg/L	7117.32	124.585	µg/L	1.75%
Sn 189.933	183.2	1909.44	4.661	µg/L	1909.44	4.661	µg/L	0.24%
Sr 407.771	791890.3	567.396	7.1909	µg/L	567.396	7.1909	µg/L	1.27%
Ti 334.941	39664.2	423.262	7.5994	µg/L	423.262	7.5994	µg/L	1.80%
Tl 190.800	327.3	1912.45	10.494	µg/L	1912.45	10.494	µg/L	0.55%
V 292.402	5912.7	408.017	9.8324	µg/L	408.017	9.8324	µg/L	2.41%
Zn 206.200	842.0	391.167	9.2659	µg/L	391.167	9.2659	µg/L	2.37%

Replicate Data

ID: 0b08007-srd1 Date: 2/8/10 10:11:09 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units

1 Sc 357.253	437740.4	437740.4	110.1 µg/L		
1 Y 360.064	271253.2	271253.2	111.8 µg/L		
1 Ag 328.068	-59.4	-54.0	-1.33895 µg/L	-6.69475 µg/L	
1 Al 396.140	-73.6	-66.9	-16.3329 µg/L	-81.6647 µg/L	
1 As 188.979	4.7	4.3	-24.7507 µg/L	-123.754 µg/L	
1 B 249.773	362.0	328.7	5.58305 µg/L	27.9153 µg/L	
1 Ba 455.403	23348.3	21201.4	19.6955 µg/L	98.4774 µg/L	
1 Be 234.861	120.5	109.4	0.0065235 µg/L	0.0326174 µg/L	
1 Ca 315.887	195968.4	177948.8	18.0917 mg/L	90.4586 mg/L	
1 Cd 214.438	47.3	43.0	-0.429543 µg/L	-2.14771 µg/L	
1 Ce 413.765	-175.2	-159.1	8.09616 µg/L	0.0404808 mg/L	
1 Co 228.616	-23.5	-21.4	-2.65018 µg/L	-13.2509 µg/L	
1 Cr 205.560	54.8	49.7	0.978222 µg/L	4.89111 µg/L	
1 Cu 327.394	-48.8	-44.3	0.303535 µg/L	1.51767 µg/L	
1 Fe 238.204	9081.2	8246.2	918.112 µg/L	4590.56 µg/L	
1 K 766.514	4067.2	3693.2	0.497247 mg/L	2.48624 mg/L	
1 Li 670.781	532.1	483.1	-1.04579 µg/L	-5.22896 µg/L	
1 Mg 279.074	7009.4	6364.8	5.20406 mg/L	26.0203 mg/L	
1 Mn 257.610	8505.1	7723.0	106.058 µg/L	530.291 µg/L	
1 Mo 202.031	10.8	9.9	5.29070 µg/L	26.4535 µg/L	
1 Na 589.594	152443.7	138426.2	9.15167 mg/L	45.7583 mg/L	
1 Ni 231.603	81.8	74.3	-4.84466 µg/L	-24.2233 µg/L	
1 Pb 220.353	-14.6	-13.2	-35.0241 µg/L	-175.120 µg/L	
1 Sb 206.831	8.4	7.7	42.5356 µg/L	212.678 µg/L	
1 Se 196.026	70.1	63.7	4.98459 µg/L	24.9230 µg/L	
1 Si 251.611	7064.0	6414.4	1163.78 µg/L	5818.88 µg/L	
1 Sn 189.933	-2.5	-2.2	8.01575 µg/L	40.0788 µg/L	
1 Sr 407.771	50683.7	46023.2	30.5527 µg/L	152.764 µg/L	
1 Ti 334.941	1781.0	1617.3	-0.168205 µg/L	-0.841027 µg/L	
1 Tl 190.800	25.4	23.0	33.8569 µg/L	169.285 µg/L	
1 V 292.402	-258.7	-234.9	2.21274 µg/L	11.0637 µg/L	
1 Zn 206.200	2.5	2.2	-0.639131 µg/L	-3.19566 µg/L	
2 Sc 357.253	424755.0	424755.0	106.9 µg/L		
2 Y 360.064	262566.5	262566.5	108.2 µg/L		
2 Ag 328.068	-18.5	-17.3	0.150592 µg/L	0.752960 µg/L	
2 Al 396.140	-249.9	-233.8	-38.6331 µg/L	-193.165 µg/L	
2 As 188.979	-7.1	-6.6	-88.8712 µg/L	-444.356 µg/L	
2 B 249.773	372.6	348.7	7.58921 µg/L	37.9460 µg/L	
2 Ba 455.403	23280.1	21785.7	20.6335 µg/L	103.168 µg/L	
2 Be 234.861	122.1	114.2	0.0616274 µg/L	0.308137 µg/L	
2 Ca 315.887	193652.3	181221.6	18.4239 mg/L	92.1193 mg/L	
2 Cd 214.438	54.6	51.1	0.833565 µg/L	4.16782 µg/L	
2 Ce 413.765	-226.9	-212.4	-0.214796 µg/L	-0.0010740 mg/L	
2 Co 228.616	-9.1	-8.5	1.33212 µg/L	6.66058 µg/L	
2 Cr 205.560	59.3	55.5	6.21943 µg/L	31.0971 µg/L	
2 Cu 327.394	-51.3	-48.0	0.0408559 µg/L	0.204279 µg/L	
2 Fe 238.204	8873.8	8304.2	924.648 µg/L	4623.24 µg/L	
2 K 766.514	3766.7	3524.9	0.445012 mg/L	2.22506 mg/L	
2 Li 670.781	305.5	285.9	-2.29814 µg/L	-11.4907 µg/L	
2 Mg 279.074	6957.4	6510.8	5.32368 mg/L	26.6184 mg/L	
2 Mn 257.610	8321.7	7787.5	106.935 µg/L	534.673 µg/L	
2 Mo 202.031	5.7	5.3	-1.66140 µg/L	-8.30701 µg/L	
2 Na 589.594	150644.4	140974.4	9.32417 mg/L	46.6208 mg/L	
2 Ni 231.603	87.7	82.1	-0.224771 µg/L	-1.12386 µg/L	
2 Pb 220.353	-7.2	-6.7	-10.4797 µg/L	-52.3983 µg/L	
2 Sb 206.831	-1.4	-1.3	-3.96735 µg/L	-19.8368 µg/L	
2 Se 196.026	77.4	72.4	71.7633 µg/L	358.816 µg/L	
2 Si 251.611	6932.7	6487.7	1179.81 µg/L	5899.06 µg/L	
2 Sn 189.933	-1.1	-1.0	20.7647 µg/L	103.824 µg/L	
2 Sr 407.771	49827.7	46629.2	30.9889 µg/L	154.944 µg/L	
2 Ti 334.941	1812.8	1696.4	0.712385 µg/L	3.56193 µg/L	
2 Tl 190.800	19.4	18.2	3.70229 µg/L	18.5115 µg/L	
2 V 292.402	-317.8	-297.4	-1.91049 µg/L	-9.55245 µg/L	
2 Zn 206.200	-0.4	-0.3	-1.84373 µg/L	-9.21864 µg/L	

Mean Data

ID: 0b08007-srd1 Seq. No.: 41 Sample No.: 28 A/S Pos: 44

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

Data: Original Date: 2/8/10 10:11:09 AM

	Mean Corr.	Mean	Calib	Mean	Sample

Element	Intensity	Conc.	Std.Dev.	Units	Conc.	Std.Dev.	Units	RSD
Sc 357.253	431247.7	108.5	2.31	µg/L				2.13%
Y 360.064	266909.9	110.0	2.53	µg/L				2.30%
Ag 328.068	-35.6	-0.594179	1.0532649	µg/L	-2.97089	5.266325	µg/L	177.26%
Al 396.140	-150.3	-27.4830	15.76859	µg/L	-137.415	78.8429	µg/L	57.38%
As 188.979	-1.2	-56.8109	45.34000	µg/L	-284.055	226.7000	µg/L	79.81%
B 249.773	338.7	6.58613	1.418565	µg/L	32.9307	7.09283	µg/L	21.54%
Ba 455.403	21493.5	20.1645	0.66331	µg/L	100.823	3.3166	µg/L	3.29%
Be 234.861	111.8	0.0340754	0.03896434	µg/L	0.170377	0.1948217	µg/L	114.35%
Ca 315.887	179585.2	18.2578	0.23486	mg/L	91.2890	1.17431	mg/L	1.29%
Cd 214.438	47.1	0.202011	0.8931518	µg/L	1.01006	4.465759	µg/L	442.13%
Ce 413.765	-185.7	3.94068	5.876735	µg/L	0.0197034	0.02938368	mg/L	149.13%
Co 228.616	-14.9	-0.659030	2.8159069	µg/L	-3.29515	14.079535	µg/L	427.28%
Cr 205.560	52.6	3.59883	3.706093	µg/L	17.9941	18.53046	µg/L	102.98%
Cu 327.394	-46.2	0.172195	0.1857421	µg/L	0.860977	0.9287104	µg/L	107.87%
Fe 238.204	8275.2	921.380	4.6220	µg/L	4606.90	23.110	µg/L	0.50%
K 766.514	3609.1	0.471130	0.0369357	mg/L	2.35565	0.184678	mg/L	7.84%
Li 670.781	384.5	-1.67196	0.885540	µg/L	-8.35982	4.427702	µg/L	52.96%
Mg 279.074	6437.8	5.26387	0.084584	mg/L	26.3194	0.42292	mg/L	1.61%
Mn 257.610	7755.3	106.496	0.6197	µg/L	532.482	3.0987	µg/L	0.58%
Mo 202.031	7.6	1.81465	4.915880	µg/L	9.07325	24.579401	µg/L	270.90%
Na 589.594	139700.3	9.23792	0.121977	mg/L	46.1896	0.60988	mg/L	1.32%
Ni 231.603	78.2	-2.53472	3.266755	µg/L	-12.6736	16.33378	µg/L	128.88%
Pb 220.353	-10.0	-22.7519	17.35554	µg/L	-113.759	86.7777	µg/L	76.28%
Sb 206.831	3.2	19.2841	32.88256	µg/L	96.4207	164.41282	µg/L	170.52%
Se 196.026	68.0	38.3739	47.21967	µg/L	191.870	236.0983	µg/L	123.05%
Si 251.611	6451.0	1171.79	11.339	µg/L	5858.97	56.697	µg/L	0.97%
Sn 189.933	-1.6	14.3902	9.01490	µg/L	71.9512	45.07451	µg/L	62.65%
Sr 407.771	46326.2	30.7708	0.30840	µg/L	153.854	1.5420	µg/L	1.00%
Ti 334.941	1656.8	0.272090	0.6226714	µg/L	1.36045	3.113357	µg/L	228.85%
Tl 190.800	20.6	18.7796	21.32254	µg/L	93.8980	106.61268	µg/L	113.54%
V 292.402	-266.2	0.151125	2.9155623	µg/L	0.755623	14.5778116	µg/L	>999.9%
Zn 206.200	1.0	-1.24143	0.851779	µg/L	-6.20715	4.258894	µg/L	68.61%

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

ID: 1000974-ps1 Date: 2/8/10 10:14:39 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	425678.8	425678.8	107.1	µg/L		
1	Y 360.064	261336.7	261336.7	107.7	µg/L		
1	Ag 328.068	6328.1	5909.0	240.712	µg/L	240.712	µg/L
1	Al 396.140	9632.1	8994.3	1193.77	µg/L	1193.77	µg/L
1	As 188.979	242.1	226.1	1275.51	µg/L	1275.51	µg/L
1	B 249.773	3454.4	3225.7	296.943	µg/L	296.943	µg/L
1	Ba 455.403	241882.7	225864.7	348.260	µg/L	348.260	µg/L
1	Be 234.861	2478.1	2314.0	25.3421	µg/L	25.3421	µg/L
1	Ca 315.887	1083904.8	1012126.1	102.748	mg/L	102.748	mg/L
1	Cd 214.438	1757.1	1640.8	247.307	µg/L	247.307	µg/L
1	Ce 413.765	-192.5	-179.7	4.87197	µg/L	0.0048720	mg/L
1	Co 228.616	833.7	778.5	244.829	µg/L	244.829	µg/L
1	Cr 205.560	350.4	327.2	253.305	µg/L	253.305	µg/L
1	Cu 327.394	3560.7	3324.9	246.702	µg/L	246.702	µg/L
1	Fe 238.204	40773.5	38073.4	4277.11	µg/L	4277.11	µg/L
1	K 766.514	53952.6	50379.7	15.0006	mg/L	15.0006	mg/L
1	Li 670.781	42043.1	39258.9	245.099	µg/L	245.099	µg/L
1	Mg 279.074	47097.6	43978.7	36.0154	mg/L	36.0154	mg/L
1	Mn 257.610	56827.6	53064.4	722.463	µg/L	722.463	µg/L
1	Mo 202.031	173.4	162.0	240.202	µg/L	240.202	µg/L
1	Na 589.594	924828.1	863583.9	58.2432	mg/L	58.2432	mg/L
1	Ni 231.603	543.3	507.4	251.897	µg/L	251.897	µg/L
1	Pb 220.353	63.2	59.0	237.674	µg/L	237.674	µg/L
1	Sb 206.831	266.2	248.6	1289.92	µg/L	1289.92	µg/L
1	Se 196.026	247.2	230.8	1284.37	µg/L	1284.37	µg/L
1	Si 251.611	32962.2	30779.4	6365.33	µg/L	6365.33	µg/L
1	Sn 189.933	110.9	103.5	1092.27	µg/L	1092.27	µg/L
1	Sr 407.771	608906.1	568583.0	406.669	µg/L	406.669	µg/L
1	Ti 334.941	26206.4	24470.9	254.174	µg/L	254.174	µg/L
1	Tl 190.800	239.7	223.8	1273.51	µg/L	1273.51	µg/L
1	V 292.402	3707.4	3461.9	246.238	µg/L	246.238	µg/L
1	Zn 206.200	576.1	537.9	249.307	µg/L	249.307	µg/L

2 Sc 357.253	424168.8	424168.8	106.7 µg/L		
2 Y 360.064	260432.9	260432.9	107.3 µg/L		
2 Ag 328.068	7283.7	6825.5	277.916 µg/L	277.916 µg/L	
2 Al 396.140	11154.3	10452.7	1388.55 µg/L	1388.55 µg/L	
2 As 188.979	282.8	265.0	1503.76 µg/L	1503.76 µg/L	
2 B 249.773	4010.9	3758.6	350.541 µg/L	350.541 µg/L	
2 Ba 455.403	245590.3	230143.1	355.128 µg/L	355.128 µg/L	
2 Be 234.861	2852.7	2673.3	29.4710 µg/L	29.4710 µg/L	
2 Ca 315.887	1101893.9	1032587.0	104.825 mg/L	104.825 mg/L	
2 Cd 214.438	2073.3	1942.9	294.154 µg/L	294.154 µg/L	
2 Ce 413.765	-185.6	-173.9	5.78442 µg/L	0.0057844 mg/L	
2 Co 228.616	1003.8	940.6	294.992 µg/L	294.992 µg/L	
2 Cr 205.560	400.4	375.2	297.004 µg/L	297.004 µg/L	
2 Cu 327.394	4147.5	3886.7	286.186 µg/L	286.186 µg/L	
2 Fe 238.204	47298.8	44323.8	4981.00 µg/L	4981.00 µg/L	
2 K 766.514	54795.8	51349.3	15.3023 mg/L	15.3023 mg/L	
2 Li 670.781	42432.0	39763.2	248.300 µg/L	248.300 µg/L	
2 Mg 279.074	54271.2	50857.6	41.6486 mg/L	41.6486 mg/L	
2 Mn 257.610	65871.3	61728.1	840.245 µg/L	840.245 µg/L	
2 Mo 202.031	206.7	193.7	289.210 µg/L	289.210 µg/L	
2 Na 589.594	938442.1	879416.1	59.3153 mg/L	59.3153 mg/L	
2 Ni 231.603	618.8	579.8	294.860 µg/L	294.860 µg/L	
2 Pb 220.353	65.8	61.7	247.569 µg/L	247.569 µg/L	
2 Sb 206.831	301.2	282.2	1463.98 µg/L	1463.98 µg/L	
2 Se 196.026	281.5	263.8	1536.73 µg/L	1536.73 µg/L	
2 Si 251.611	37881.8	35499.1	7377.90 µg/L	7377.90 µg/L	
2 Sn 189.933	132.3	124.0	1301.75 µg/L	1301.75 µg/L	
2 Sr 407.771	618621.0	579711.0	414.679 µg/L	414.679 µg/L	
2 Ti 334.941	30107.3	28213.6	295.827 µg/L	295.827 µg/L	
2 Tl 190.800	274.5	257.3	1480.08 µg/L	1480.08 µg/L	
2 V 292.402	4408.3	4131.0	290.407 µg/L	290.407 µg/L	
2 Zn 206.200	672.3	630.0	292.268 µg/L	292.268 µg/L	

Mean Data

ID: 1000974-ps1 Seq. No.: 42 Sample No.: 29 A/S Pos: 45
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 10:14:39 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	424923.8	106.9	0.27	µg/L				0.25%
Y 360.064	260884.8	107.5	0.26	µg/L				0.24%
Ag 328.068	6367.3	259.314	26.3070	µg/L	259.314	26.3070	µg/L	10.14%
Al 396.140	9723.5	1291.16	137.725	µg/L	1291.16	137.725	µg/L	10.67%
As 188.979	245.5	1389.63	161.399	µg/L	1389.63	161.399	µg/L	11.61%
B 249.773	3492.1	323.742	37.8995	µg/L	323.742	37.8995	µg/L	11.71%
Ba 455.403	228003.9	351.694	4.8568	µg/L	351.694	4.8568	µg/L	1.38%
Be 234.861	2493.6	27.4066	2.91959	µg/L	27.4066	2.91959	µg/L	10.65%
Ca 315.887	1022356.6	103.786	1.4686	mg/L	103.786	1.4686	mg/L	1.41%
Cd 214.438	1791.8	270.730	33.1258	µg/L	270.730	33.1258	µg/L	12.24%
Ce 413.765	-176.8	5.32820	0.645193	µg/L	0.0053282	0.00064519	mg/L	12.11%
Co 228.616	859.6	269.911	35.4704	µg/L	269.911	35.4704	µg/L	13.14%
Cr 205.560	351.2	275.155	30.8998	µg/L	275.155	30.8998	µg/L	11.23%
Cu 327.394	3605.8	266.444	27.9191	µg/L	266.444	27.9191	µg/L	10.48%
Fe 238.204	41198.6	4629.06	497.727	µg/L	4629.06	497.727	µg/L	10.75%
K 766.514	50864.5	15.1515	0.21331	mg/L	15.1515	0.21331	mg/L	1.41%
Li 670.781	39511.0	246.700	2.2632	µg/L	246.700	2.2632	µg/L	0.92%
Mg 279.074	47418.2	38.8320	3.98327	mg/L	38.8320	3.98327	mg/L	10.26%
Mn 257.610	57396.3	781.354	83.2839	µg/L	781.354	83.2839	µg/L	10.66%
Mo 202.031	177.8	264.706	34.6540	µg/L	264.706	34.6540	µg/L	13.09%
Na 589.594	871500.0	58.7792	0.75806	mg/L	58.7792	0.75806	mg/L	1.29%
Ni 231.603	543.6	273.378	30.3794	µg/L	273.378	30.3794	µg/L	11.11%
Pb 220.353	60.3	242.622	6.9968	µg/L	242.622	6.9968	µg/L	2.88%
Sb 206.831	265.4	1376.95	123.080	µg/L	1376.95	123.080	µg/L	8.94%
Se 196.026	247.3	1410.55	178.440	µg/L	1410.55	178.440	µg/L	12.65%
Si 251.611	33139.3	6871.61	715.997	µg/L	6871.61	715.997	µg/L	10.42%
Sn 189.933	113.7	1197.01	148.128	µg/L	1197.01	148.128	µg/L	12.37%
Sr 407.771	574147.0	410.674	5.6636	µg/L	410.674	5.6636	µg/L	1.38%
Ti 334.941	26342.3	275.000	29.4531	µg/L	275.000	29.4531	µg/L	10.71%
Tl 190.800	240.5	1376.80	146.070	µg/L	1376.80	146.070	µg/L	10.61%
V 292.402	3796.4	268.323	31.2323	µg/L	268.323	31.2323	µg/L	11.64%

Zn 206.200	584.0	270.788	30.3778 µg/L	270.788	30.3778 µg/L	11.22%

Replicate Data

ID: 0B08006-CCV Date: 2/8/10 10:18:09 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	426073.8	426073.8	107.2	µg/L		
1	Y 360.064	263075.9	263075.9	108.4	µg/L		
1	Ag 328.068	13125.5	12244.9	497.901	µg/L		
1	Al 396.140	20165.6	18812.7	2505.02	µg/L		
1	As 188.979	464.4	433.3	2490.53	µg/L		
1	B 249.773	5527.9	5157.0	491.186	µg/L		
1	Ba 455.403	340044.8	317231.9	494.939	µg/L		
1	Be 234.861	4767.9	4448.0	49.8673	µg/L		
1	Ca 315.887	53161.2	49594.7	5.06331	mg/L		
1	Cd 214.438	3520.8	3284.6	502.193	µg/L		
1	Ce 413.765	-201.2	-187.7	3.62810	µg/L		
1	Co 228.616	1704.0	1589.7	495.816	µg/L		
1	Cr 205.560	660.0	615.7	515.804	µg/L		
1	Cu 327.394	7635.4	7123.2	501.233	µg/L		
1	Fe 238.204	4920.5	4590.4	506.414	µg/L		
1	K 766.514	19227.0	17937.1	4.92025	mg/L		
1	Li 670.781	83856.6	78230.8	492.489	µg/L		
1	Mg 279.074	6710.7	6260.5	5.11664	mg/L		
1	Mn 257.610	39805.2	37134.7	505.903	µg/L		
1	Mo 202.031	363.8	339.4	514.160	µg/L		
1	Na 589.594	82114.0	76605.1	4.96502	mg/L		
1	Ni 231.603	997.5	930.6	502.798	µg/L		
1	Pb 220.353	134.0	125.0	486.506	µg/L		
1	Sb 206.831	514.0	479.6	2485.46	µg/L		
1	Se 196.026	427.6	398.9	2570.94	µg/L		
1	Si 251.611	13215.5	12328.9	2458.91	µg/L		
1	Sn 189.933	271.6	253.4	2628.64	µg/L		
1	Sr 407.771	749330.2	699059.2	500.580	µg/L		
1	Ti 334.941	49948.0	46597.0	500.419	µg/L		
1	Tl 190.800	455.7	425.1	2516.76	µg/L		
1	V 292.402	7930.0	7398.0	506.058	µg/L		
1	Zn 206.200	1173.5	1094.8	509.116	µg/L		
2	Sc 357.253	423910.3	423910.3	106.6	µg/L		
2	Y 360.064	262021.7	262021.7	108.0	µg/L		
2	Ag 328.068	13167.1	12346.5	502.022	µg/L		
2	Al 396.140	20152.1	18896.1	2516.15	µg/L		
2	As 188.979	464.6	435.6	2504.34	µg/L		
2	B 249.773	5530.2	5185.5	494.053	µg/L		
2	Ba 455.403	341601.6	320310.8	499.882	µg/L		
2	Be 234.861	4733.9	4438.8	49.7612	µg/L		
2	Ca 315.887	53169.4	49855.6	5.08977	mg/L		
2	Cd 214.438	3547.2	3326.1	508.627	µg/L		
2	Ce 413.765	-80.5	-75.5	21.1321	µg/L		
2	Co 228.616	1740.3	1631.8	508.840	µg/L		
2	Cr 205.560	655.3	614.5	514.662	µg/L		
2	Cu 327.394	7700.6	7220.7	508.046	µg/L		
2	Fe 238.204	5018.9	4706.1	519.447	µg/L		
2	K 766.514	19198.9	18002.3	4.94050	mg/L		
2	Li 670.781	84284.1	79030.9	497.569	µg/L		
2	Mg 279.074	6703.5	6285.7	5.13730	mg/L		
2	Mn 257.610	39850.2	37366.5	509.054	µg/L		
2	Mo 202.031	355.2	333.1	504.453	µg/L		
2	Na 589.594	82515.6	77372.7	5.01700	mg/L		
2	Ni 231.603	1012.7	949.6	514.065	µg/L		
2	Pb 220.353	137.3	128.7	500.661	µg/L		
2	Sb 206.831	523.0	490.4	2541.63	µg/L		
2	Se 196.026	431.7	404.8	2616.35	µg/L		
2	Si 251.611	13337.7	12506.4	2497.78	µg/L		
2	Sn 189.933	275.6	258.5	2680.76	µg/L		
2	Sr 407.771	753105.1	706166.7	505.696	µg/L		
2	Ti 334.941	50086.6	46964.8	504.512	µg/L		
2	Tl 190.800	459.2	430.6	2550.40	µg/L		
2	V 292.402	7885.5	7394.1	505.801	µg/L		

2 Zn 206.200 1158.3 1086.1 505.082 µg/L

Mean Data

ID: 0B08006-CCV Seq. No.: 43 Sample No.: 8 A/S Pos: 4
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 10:18:09 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	424992.0	106.9	0.38	µg/L				0.36%
Y 360.064	262548.8	108.2	0.31	µg/L				0.28%
Ag 328.068	12295.7	499.962	2.9145	µg/L				0.58%
Al 396.140	18854.4	2510.58	7.872	µg/L				0.31%
As 188.979	434.5	2497.43	9.766	µg/L				0.39%
B 249.773	5171.3	492.620	2.0270	µg/L				0.41%
Ba 455.403	318771.4	497.411	3.4950	µg/L				0.70%
Be 234.861	4443.4	49.8142	0.07503	µg/L				0.15%
Ca 315.887	49725.1	5.07654	0.018709	mg/L				0.37%
Cd 214.438	3305.4	505.410	4.5495	µg/L				0.90%
Ce 413.765	-131.6	12.3801	12.37722	µg/L				99.98%
Co 228.616	1610.8	502.328	9.2093	µg/L				1.83%
Cr 205.560	615.1	515.233	0.8072	µg/L				0.16%
Cu 327.394	7171.9	504.639	4.8177	µg/L				0.95%
Fe 238.204	4648.2	512.930	9.2157	µg/L				1.80%
K 766.514	17969.7	4.93038	0.014317	mg/L				0.29%
Li 670.781	78630.9	495.029	3.5915	µg/L				0.73%
Mg 279.074	6273.1	5.12697	0.014608	mg/L				0.28%
Mn 257.610	37250.6	507.479	2.2281	µg/L				0.44%
Mo 202.031	336.2	509.307	6.8639	µg/L				1.35%
Na 589.594	76988.9	4.99101	0.036752	mg/L				0.74%
Ni 231.603	940.1	508.432	7.9667	µg/L				1.57%
Pb 220.353	126.8	493.583	10.0088	µg/L				2.03%
Sb 206.831	485.0	2513.55	39.720	µg/L				1.58%
Se 196.026	401.9	2593.65	32.110	µg/L				1.24%
Si 251.611	12417.7	2478.34	27.484	µg/L				1.11%
Sn 189.933	255.9	2654.70	36.857	µg/L				1.39%
Sr 407.771	702613.0	503.138	3.6173	µg/L				0.72%
Ti 334.941	46780.9	502.466	2.8943	µg/L				0.58%
Tl 190.800	427.9	2533.58	23.787	µg/L				0.94%
V 292.402	7396.0	505.930	0.1819	µg/L				0.04%
Zn 206.200	1090.5	507.099	2.8521	µg/L				0.56%

Replicate Data

ID: 0B08006-CCB Date: 2/8/10 10:21:33 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	420305.4	420305.4	105.7	µg/L		
1	Y 360.064	259729.6	259729.6	107.0	µg/L		
1	Ag 328.068	-58.0	-54.9	-1.37651	µg/L		
1	Al 396.140	-88.1	-83.3	-18.5317	µg/L		
1	As 188.979	5.1	4.8	-21.4797	µg/L		
1	B 249.773	215.8	204.0	-6.95840	µg/L		
1	Ba 455.403	8416.3	7959.4	-1.56301	µg/L		
1	Be 234.861	79.3	75.0	-0.388925	µg/L		
1	Ca 315.887	72.4	68.5	0.0394999	mg/L		
1	Cd 214.438	53.0	50.1	0.676622	µg/L		
1	Ce 413.765	-297.2	-281.1	-10.9340	µg/L		
1	Co 228.616	-30.6	-29.0	-4.99317	µg/L		
1	Cr 205.560	57.4	54.3	5.14359	µg/L		
1	Cu 327.394	-111.1	-105.1	-3.94454	µg/L		
1	Fe 238.204	111.5	105.5	1.34442	µg/L		
1	K 766.514	1958.8	1852.5	-0.0755001	mg/L		
1	Li 670.781	165.9	156.9	-3.11653	µg/L		
1	Mg 279.074	-7.2	-6.8	-0.0159561	mg/L		
1	Mn 257.610	-192.7	-182.3	-1.41284	µg/L		
1	Mo 202.031	12.5	11.9	8.38358	µg/L		
1	Na 589.594	2845.0	2690.6	-0.0370647	mg/L		
1	Ni 231.603	106.0	100.2	10.5179	µg/L		
1	Pb 220.353	0.8	0.8	17.8662	µg/L		
1	Sb 206.831	2.2	2.1	13.8947	µg/L		

1	Se 196.026	85.2	80.5	134.194	µg/L
1	Si 251.611	1188.9	1124.4	5.37829	µg/L
1	Sn 189.933	0.3	0.3	34.0298	µg/L
1	Sr 407.771	679.9	643.0	-2.11006	µg/L
1	Ti 334.941	1842.0	1742.1	1.22054	µg/L
1	Tl 190.800	21.6	20.4	17.7438	µg/L
1	V 292.402	-294.3	-278.3	-0.651263	µg/L
1	Zn 206.200	0.3	0.3	-1.54980	µg/L
2	Sc 357.253	416791.2	416791.2	104.9	µg/L
2	Y 360.064	257467.7	257467.7	106.1	µg/L
2	Ag 328.068	18.1	17.3	1.55215	µg/L
2	Al 396.140	-233.3	-222.5	-37.1159	µg/L
2	As 188.979	0.9	0.9	-44.8718	µg/L
2	B 249.773	176.9	168.7	-10.5122	µg/L
2	Ba 455.403	8383.1	7994.9	-1.50612	µg/L
2	Be 234.861	95.2	90.8	-0.208325	µg/L
2	Ca 315.887	30.1	28.7	0.0354643	mg/L
2	Cd 214.438	35.0	33.4	-1.92075	µg/L
2	Ce 413.765	-252.9	-241.1	-4.70477	µg/L
2	Co 228.616	-16.2	-15.5	-0.819520	µg/L
2	Cr 205.560	56.1	53.5	4.37911	µg/L
2	Cu 327.394	-126.1	-120.2	-5.00519	µg/L
2	Fe 238.204	110.3	105.2	1.30969	µg/L
2	K 766.514	2111.7	2013.9	-0.0253636	mg/L
2	Li 670.781	267.7	255.3	-2.49222	µg/L
2	Mg 279.074	-2.6	-2.5	-0.0124494	mg/L
2	Mn 257.610	-221.3	-211.0	-1.80389	µg/L
2	Mo 202.031	7.6	7.2	1.25773	µg/L
2	Na 589.594	3062.6	2920.7	-0.0214847	mg/L
2	Ni 231.603	86.7	82.7	0.119475	µg/L
2	Pb 220.353	-14.7	-14.0	-37.9038	µg/L
2	Sb 206.831	-4.0	-3.8	-16.6686	µg/L
2	Se 196.026	72.7	69.3	48.0804	µg/L
2	Si 251.611	1151.4	1098.0	-0.388098	µg/L
2	Sn 189.933	-0.7	-0.7	24.2074	µg/L
2	Sr 407.771	626.0	597.1	-2.14311	µg/L
2	Ti 334.941	1768.3	1686.4	0.601449	µg/L
2	Tl 190.800	24.5	23.4	36.0843	µg/L
2	V 292.402	-310.3	-295.9	-1.81299	µg/L
2	Zn 206.200	1.5	1.5	-0.996925	µg/L

Mean Data

ID: 0B08006-CCB Seq. No.: 44 Sample No.: 9 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 10:21:33 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Sc 357.253	418548.3	105.3	0.63	µg/L				0.59%
Y 360.064	258598.7	106.6	0.66	µg/L				0.62%
Ag 328.068	-18.8	0.0878209	2.07087576	µg/L				>999.9%
Al 396.140	-152.9	-27.8238	13.14102	µg/L				47.23%
As 188.979	2.9	-33.1758	16.54067	µg/L				49.86%
B 249.773	186.4	-8.73532	2.512944	µg/L				28.77%
Ba 455.403	7977.1	-1.53456	0.040231	µg/L				2.62%
Be 234.861	82.9	-0.298625	0.1277034	µg/L				42.76%
Ca 315.887	48.6	0.0374821	0.00285360	mg/L				7.61%
Cd 214.438	41.7	-0.622062	1.8366169	µg/L				295.25%
Ce 413.765	-261.1	-7.81939	4.404746	µg/L				56.33%
Co 228.616	-22.2	-2.90635	2.951219	µg/L				101.54%
Cr 205.560	53.9	4.76135	0.540570	µg/L				11.35%
Cu 327.394	-112.7	-4.47487	0.749992	µg/L				16.76%
Fe 238.204	105.3	1.32706	0.024559	µg/L				1.85%
K 766.514	1933.2	-0.0504319	0.03545190	mg/L				70.30%
Li 670.781	206.1	-2.80437	0.441460	µg/L				15.74%
Mg 279.074	-4.7	-0.0142027	0.00247966	mg/L				17.46%
Mn 257.610	-196.7	-1.60837	0.276514	µg/L				17.19%
Mo 202.031	9.5	4.82066	5.038736	µg/L				104.52%
Na 589.594	2805.7	-0.0292747	0.01101667	mg/L				37.63%
Ni 231.603	91.4	5.31867	7.352768	µg/L				138.24%
Pb 220.353	-6.6	-10.0188	39.43532	µg/L				393.61%

Sb 206.831	-0.8	-1.38699	21.611521	µg/L	>999.9%
Se 196.026	74.9	91.1370	60.89129	µg/L	66.81%
Si 251.611	1111.2	2.49510	4.077451	µg/L	163.42%
Sn 189.933	-0.2	29.1186	6.94544	µg/L	23.85%
Sr 407.771	620.0	-2.12658	0.023373	µg/L	1.10%
Ti 334.941	1714.2	0.910996	0.4377658	µg/L	48.05%
Tl 190.800	21.9	26.9141	12.96868	µg/L	48.19%
V 292.402	-287.1	-1.23212	0.821462	µg/L	66.67%
Zn 206.200	0.9	-1.27336	0.390939	µg/L	30.70%

Replicate Data

ID: 1002041-02 Date: 2/8/10 10:24:59 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	420329.1	420329.1	105.7	µg/L		
1	Y 360.064	257854.9	257854.9	106.3	µg/L		
1	Ag 328.068	-42.0	-39.7	-0.760055	µg/L	-0.760055	µg/L
1	Al 396.140	-366.6	-346.7	-53.7066	µg/L	-53.7066	µg/L
1	As 188.979	13.2	12.5	23.2347	µg/L	23.2347	µg/L
1	B 249.773	854.4	808.0	53.7815	µg/L	53.7815	µg/L
1	Ba 455.403	74152.2	70122.9	98.2335	µg/L	98.2335	µg/L
1	Be 234.861	124.6	117.8	0.102577	µg/L	0.102577	µg/L
1	Ca 315.887	1314721.9	1243283.2	126.206	mg/L	126.206	mg/L
1	Cd 214.438	72.2	68.2	3.48618	µg/L	3.48618	µg/L
1	Ce 413.765	-255.3	-241.4	-4.74471	µg/L	-0.0047447	mg/L
1	Co 228.616	-0.4	-0.4	3.84913	µg/L	3.84913	µg/L
1	Cr 205.560	60.5	57.2	7.80089	µg/L	7.80089	µg/L
1	Cu 327.394	-223.3	-211.1	2.06939	µg/L	2.06939	µg/L
1	Fe 238.204	41597.2	39336.9	4419.41	µg/L	4419.41	µg/L
1	K 766.514	13133.0	12419.4	3.21279	mg/L	3.21279	mg/L
1	Li 670.781	1198.5	1133.4	3.08201	µg/L	3.08201	µg/L
1	Mg 279.074	35392.6	33469.5	27.4113	mg/L	27.4113	mg/L
1	Mn 257.610	51332.8	48543.5	661.003	µg/L	661.003	µg/L
1	Mo 202.031	1.6	1.5	-7.55305	µg/L	-7.55305	µg/L
1	Na 589.594	514186.5	486246.9	32.7025	mg/L	32.7025	mg/L
1	Ni 231.603	102.3	96.7	8.46915	µg/L	8.46915	µg/L
1	Pb 220.353	-7.0	-6.6	-9.96167	µg/L	-9.96167	µg/L
1	Sb 206.831	7.7	7.3	40.5261	µg/L	40.5261	µg/L
1	Se 196.026	81.7	77.3	109.106	µg/L	109.106	µg/L
1	Si 251.611	27639.5	26137.6	5380.86	µg/L	5380.86	µg/L
1	Sn 189.933	-23.9	-22.6	-200.219	µg/L	-200.219	µg/L
1	Sr 407.771	564711.1	534026.1	381.797	µg/L	381.797	µg/L
1	Ti 334.941	1940.1	1834.7	2.25118	µg/L	2.25118	µg/L
1	Tl 190.800	23.4	22.1	28.1443	µg/L	28.1443	µg/L
1	V 292.402	-349.1	-330.2	-4.07369	µg/L	-4.07369	µg/L
1	Zn 206.200	-3.5	-3.3	-3.21146	µg/L	-3.21146	µg/L
2	Sc 357.253	422686.3	422686.3	106.3	µg/L		
2	Y 360.064	259153.5	259153.5	106.8	µg/L		
2	Ag 328.068	-38.8	-36.5	-0.629714	µg/L	-0.629714	µg/L
2	Al 396.140	-406.2	-382.0	-58.4206	µg/L	-58.4206	µg/L
2	As 188.979	18.5	17.4	52.2619	µg/L	52.2619	µg/L
2	B 249.773	838.9	788.9	51.8626	µg/L	51.8626	µg/L
2	Ba 455.403	75099.2	70622.4	99.0355	µg/L	99.0355	µg/L
2	Be 234.861	154.6	145.4	0.419690	µg/L	0.419690	µg/L
2	Ca 315.887	1334903.9	1255328.6	127.429	mg/L	127.429	mg/L
2	Cd 214.438	68.0	63.9	2.81587	µg/L	2.81587	µg/L
2	Ce 413.765	-237.5	-223.3	-1.92843	µg/L	-0.0019284	mg/L
2	Co 228.616	3.0	2.8	4.82852	µg/L	4.82852	µg/L
2	Cr 205.560	63.7	59.9	10.2275	µg/L	10.2275	µg/L
2	Cu 327.394	-296.1	-278.4	-2.50201	µg/L	-2.50201	µg/L
2	Fe 238.204	41678.3	39193.8	4403.29	µg/L	4403.29	µg/L
2	K 766.514	13365.3	12568.6	3.25917	mg/L	3.25917	mg/L
2	Li 670.781	1205.6	1133.8	3.08420	µg/L	3.08420	µg/L
2	Mg 279.074	35521.2	33403.7	27.3576	mg/L	27.3576	mg/L
2	Mn 257.610	51482.6	48413.6	659.237	µg/L	659.237	µg/L
2	Mo 202.031	-4.5	-4.2	-16.4106	µg/L	-16.4106	µg/L
2	Na 589.594	520926.1	489873.0	32.9480	mg/L	32.9480	mg/L
2	Ni 231.603	85.6	80.5	-1.17639	µg/L	-1.17639	µg/L
2	Pb 220.353	-16.6	-15.6	-43.9528	µg/L	-43.9528	µg/L

2 Sb 206.831	1.7	1.6	11.0454 µg/L	11.0454 µg/L	
2 Se 196.026	76.1	71.6	65.3423 µg/L	65.3423 µg/L	
2 Si 251.611	27767.4	26112.1	5375.48 µg/L	5375.48 µg/L	
2 Sn 189.933	-27.6	-25.9	-234.777 µg/L	-234.777 µg/L	
2 Sr 407.771	572927.1	538774.2	385.214 µg/L	385.214 µg/L	
2 Ti 334.941	1933.0	1817.8	2.06330 µg/L	2.06330 µg/L	
2 Tl 190.800	15.3	14.4	-19.5751 µg/L	-19.5751 µg/L	
2 V 292.402	-299.3	-281.5	-0.859595 µg/L	-0.859595 µg/L	
2 Zn 206.200	10.4	9.8	2.89907 µg/L	2.89907 µg/L	

Mean Data

ID: 1002041-02 Seq. No.: 45 Sample No.: 30 A/S Pos: 46
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 10:24:59 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	421507.7	106.0	0.42	µg/L				0.40%
Y 360.064	258504.2	106.5	0.38	µg/L				0.36%
Ag 328.068	-38.1	-0.694884	0.0921648	µg/L	-0.694884	0.0921648	µg/L	13.26%
Al 396.140	-364.4	-56.0636	3.33336	µg/L	-56.0636	3.33336	µg/L	5.95%
As 188.979	14.9	37.7483	20.52528	µg/L	37.7483	20.52528	µg/L	54.37%
B 249.773	798.4	52.8221	1.35687	µg/L	52.8221	1.35687	µg/L	2.57%
Ba 455.403	70372.7	98.6345	0.56705	µg/L	98.6345	0.56705	µg/L	0.57%
Be 234.861	131.6	0.261133	0.2242329	µg/L	0.261133	0.2242329	µg/L	85.87%
Ca 315.887	1249305.9	126.817	0.8644	mg/L	126.817	0.8644	mg/L	0.68%
Cd 214.438	66.1	3.15102	0.473982	µg/L	3.15102	0.473982	µg/L	15.04%
Ce 413.765	-232.4	-3.33657	1.991414	µg/L	-0.0033366	0.00199141	mg/L	59.68%
Co 228.616	1.2	4.33883	0.692535	µg/L	4.33883	0.692535	µg/L	15.96%
Cr 205.560	58.6	9.01419	1.715869	µg/L	9.01419	1.715869	µg/L	19.04%
Cu 327.394	-244.8	-0.216310	3.2324644	µg/L	-0.216310	3.2324644	µg/L	>999.9%
Fe 238.204	39265.4	4411.35	11.395	µg/L	4411.35	11.395	µg/L	0.26%
K 766.514	12494.0	3.23598	0.032797	mg/L	3.23598	0.032797	mg/L	1.01%
Li 670.781	1133.6	3.08311	0.001551	µg/L	3.08311	0.001551	µg/L	0.05%
Mg 279.074	33436.6	27.3844	0.03798	mg/L	27.3844	0.03798	mg/L	0.14%
Mn 257.610	48478.5	660.120	1.2483	µg/L	660.120	1.2483	µg/L	0.19%
Mo 202.031	-1.3	-11.9818	6.26325	µg/L	-11.9818	6.26325	µg/L	52.27%
Na 589.594	488060.0	32.8253	0.17360	mg/L	32.8253	0.17360	mg/L	0.53%
Ni 231.603	88.6	3.64638	6.820424	µg/L	3.64638	6.820424	µg/L	187.05%
Pb 220.353	-11.1	-26.9572	24.03537	µg/L	-26.9572	24.03537	µg/L	89.16%
Sb 206.831	4.4	25.7857	20.84596	µg/L	25.7857	20.84596	µg/L	80.84%
Se 196.026	74.4	87.2239	30.94526	µg/L	87.2239	30.94526	µg/L	35.48%
Si 251.611	26124.9	5378.17	3.805	µg/L	5378.17	3.805	µg/L	0.07%
Sn 189.933	-24.2	-217.498	24.4366	µg/L	-217.498	24.4366	µg/L	11.24%
Sr 407.771	536400.2	383.505	2.4165	µg/L	383.505	2.4165	µg/L	0.63%
Ti 334.941	1826.2	2.15724	0.132851	µg/L	2.15724	0.132851	µg/L	6.16%
Tl 190.800	18.3	4.28462	33.742725	µg/L	4.28462	33.742725	µg/L	787.53%
V 292.402	-305.8	-2.46664	2.272712	µg/L	-2.46664	2.272712	µg/L	92.14%
Zn 206.200	3.3	-0.156196	4.3208016	µg/L	-0.156196	4.3208016	µg/L	>999.9%

Replicate Data

ID: 1002041-03 Date: 2/8/10 10:28:28 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	424484.5	424484.5	106.8	µg/L		
1	Y 360.064	260750.5	260750.5	107.4	µg/L		
1	Ag 328.068	12.9	12.1	1.34085	µg/L	1.34085	µg/L
1	Al 396.140	-342.8	-321.0	-50.2699	µg/L	-50.2699	µg/L
1	As 188.979	7.4	7.0	-9.02170	µg/L	-9.02170	µg/L
1	B 249.773	714.0	668.6	39.7628	µg/L	39.7628	µg/L
1	Ba 455.403	64591.1	60483.4	82.7584	µg/L	82.7584	µg/L
1	Be 234.861	103.8	97.2	-0.134424	µg/L	-0.134424	µg/L
1	Ca 315.887	934823.8	875373.7	88.8695	mg/L	88.8695	mg/L
1	Cd 214.438	55.4	51.9	0.951243	µg/L	0.951243	µg/L
1	Ce 413.765	-234.4	-219.5	-1.33169	µg/L	-0.0013317	mg/L
1	Co 228.616	2.6	2.4	4.70669	µg/L	4.70669	µg/L
1	Cr 205.560	61.9	58.0	8.47735	µg/L	8.47735	µg/L
1	Cu 327.394	-103.8	-97.2	-3.39197	µg/L	-3.39197	µg/L
1	Fe 238.204	486.8	455.9	40.8054	µg/L	40.8054	µg/L
1	K 766.514	12370.2	11583.5	2.95067	mg/L	2.95067	mg/L

1 Li 670.781	1349.9	1264.1	3.91148 µg/L	3.91148 µg/L	
1 Mg 279.074	28067.6	26282.7	21.5250 mg/L	21.5250 mg/L	
1 Mn 257.610	23314.7	21832.0	297.866 µg/L	297.866 µg/L	
1 Mo 202.031	11.1	10.4	6.19276 µg/L	6.19276 µg/L	
1 Na 589.594	390528.6	365693.0	24.5401 mg/L	24.5401 mg/L	
1 Ni 231.603	108.0	101.1	11.0404 µg/L	11.0404 µg/L	
1 Pb 220.353	-7.3	-6.8	-10.8592 µg/L	-10.8592 µg/L	
1 Sb 206.831	2.5	2.3	14.9205 µg/L	14.9205 µg/L	
1 Se 196.026	72.3	67.7	35.8859 µg/L	35.8859 µg/L	
1 Si 251.611	30257.3	28333.1	5963.44 µg/L	5963.44 µg/L	
1 Sn 189.933	-23.2	-21.7	-191.761 µg/L	-191.761 µg/L	
1 Sr 407.771	263982.6	247194.6	175.347 µg/L	175.347 µg/L	
1 Ti 334.941	1857.0	1738.9	1.18579 µg/L	1.18579 µg/L	
1 Tl 190.800	19.1	17.9	2.12298 µg/L	2.12298 µg/L	
1 V 292.402	-285.1	-266.9	0.0995284 µg/L	0.0995284 µg/L	
1 Zn 206.200	22.6	21.1	8.18177 µg/L	8.18177 µg/L	
2 Sc 357.253	420586.4	420586.4	105.8 µg/L		
2 Y 360.064	258381.2	258381.2	106.5 µg/L		
2 Ag 328.068	82.1	77.6	4.00286 µg/L	4.00286 µg/L	
2 Al 396.140	-274.7	-259.6	-42.0699 µg/L	-42.0699 µg/L	
2 As 188.979	12.8	12.1	21.2138 µg/L	21.2138 µg/L	
2 B 249.773	716.4	677.0	40.6139 µg/L	40.6139 µg/L	
2 Ba 455.403	64999.1	61429.6	84.2774 µg/L	84.2774 µg/L	
2 Be 234.861	106.2	100.4	-0.0979262 µg/L	-0.0979262 µg/L	
2 Ca 315.887	938326.3	886797.1	90.0289 mg/L	90.0289 mg/L	
2 Cd 214.438	61.0	57.6	1.83760 µg/L	1.83760 µg/L	
2 Ce 413.765	-207.5	-196.1	2.32510 µg/L	0.0023251 mg/L	
2 Co 228.616	-13.0	-12.3	0.170772 µg/L	0.170772 µg/L	
2 Cr 205.560	60.4	57.0	7.62133 µg/L	7.62133 µg/L	
2 Cu 327.394	-120.6	-114.0	-4.56844 µg/L	-4.56844 µg/L	
2 Fe 238.204	492.9	465.8	41.9260 µg/L	41.9260 µg/L	
2 K 766.514	12279.2	11604.9	2.95737 mg/L	2.95737 mg/L	
2 Li 670.781	1528.8	1444.9	5.05920 µg/L	5.05920 µg/L	
2 Mg 279.074	28324.3	26768.9	21.9233 mg/L	21.9233 mg/L	
2 Mn 257.610	23453.9	22165.9	302.405 µg/L	302.405 µg/L	
2 Mo 202.031	14.7	13.9	11.5358 µg/L	11.5358 µg/L	
2 Na 589.594	391618.7	370112.5	24.8393 mg/L	24.8393 mg/L	
2 Ni 231.603	83.8	79.2	-1.90965 µg/L	-1.90965 µg/L	
2 Pb 220.353	-6.9	-6.5	-9.60058 µg/L	-9.60058 µg/L	
2 Sb 206.831	-0.1	-0.1	2.18168 µg/L	2.18168 µg/L	
2 Se 196.026	77.4	73.2	77.5891 µg/L	77.5891 µg/L	
2 Si 251.611	30588.4	28908.6	6089.48 µg/L	6089.48 µg/L	
2 Sn 189.933	-21.6	-20.4	-177.867 µg/L	-177.867 µg/L	
2 Sr 407.771	264884.9	250338.4	177.610 µg/L	177.610 µg/L	
2 Ti 334.941	1975.1	1866.7	2.60750 µg/L	2.60750 µg/L	
2 Tl 190.800	19.9	18.8	7.67964 µg/L	7.67964 µg/L	
2 V 292.402	-308.5	-291.5	-1.52189 µg/L	-1.52189 µg/L	
2 Zn 206.200	25.2	23.9	9.44796 µg/L	9.44796 µg/L	

Mean Data

ID: 1002041-03 Seq. No.: 46 Sample No.: 31 A/S Pos: 47
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 10:28:28 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	422535.5	106.3	0.69	µg/L				0.65%
Y 360.064	259565.9	107.0	0.69	µg/L				0.65%
Ag 328.068	44.8	2.67186	1.882328	µg/L	2.67186	1.882328	µg/L	70.45%
Al 396.140	-290.3	-46.1699	5.79832	µg/L	-46.1699	5.79832	µg/L	12.56%
As 188.979	9.5	6.09605	21.379734	µg/L	6.09605	21.379734	µg/L	350.71%
B 249.773	672.8	40.1884	0.60182	µg/L	40.1884	0.60182	µg/L	1.50%
Ba 455.403	60956.5	83.5179	1.07411	µg/L	83.5179	1.07411	µg/L	1.29%
Be 234.861	98.8	-0.116175	0.0258077	µg/L	-0.116175	0.0258077	µg/L	22.21%
Ca 315.887	881085.4	89.4492	0.81976	mg/L	89.4492	0.81976	mg/L	0.92%
Cd 214.438	54.7	1.39442	0.626752	µg/L	1.39442	0.626752	µg/L	44.95%
Ce 413.765	-207.8	0.496706	2.5857363	µg/L	0.0004967	0.00258574	mg/L	520.58%
Co 228.616	-4.9	2.43873	3.207376	µg/L	2.43873	3.207376	µg/L	131.52%
Cr 205.560	57.5	8.04934	0.605296	µg/L	8.04934	0.605296	µg/L	7.52%
Cu 327.394	-105.6	-3.98021	0.831890	µg/L	-3.98021	0.831890	µg/L	20.90%
Fe 238.204	460.8	41.3657	0.79234	µg/L	41.3657	0.79234	µg/L	1.92%

K 766.514	11594.2	2.95402	0.004739	mg/L	2.95402	0.004739 mg/L	0.16%
Li 670.781	1354.5	4.48534	0.811558	µg/L	4.48534	0.811558 µg/L	18.09%
Mg 279.074	26525.8	21.7241	0.28164	mg/L	21.7241	0.28164 mg/L	1.30%
Mn 257.610	21998.9	300.136	3.2099	µg/L	300.136	3.2099 µg/L	1.07%
Mo 202.031	12.2	8.86428	3.778094	µg/L	8.86428	3.778094 µg/L	42.62%
Na 589.594	367902.7	24.6897	0.21159	mg/L	24.6897	0.21159 mg/L	0.86%
Ni 231.603	90.2	4.56539	9.157099	µg/L	4.56539	9.157099 µg/L	200.58%
Pb 220.353	-6.7	-10.2299	0.89001	µg/L	-10.2299	0.89001 µg/L	8.70%
Sb 206.831	1.1	8.55110	9.007712	µg/L	8.55110	9.007712 µg/L	105.34%
Se 196.026	70.4	56.7375	29.48860	µg/L	56.7375	29.48860 µg/L	51.97%
Si 251.611	28620.8	6026.46	89.118	µg/L	6026.46	89.118 µg/L	1.48%
Sn 189.933	-21.1	-184.814	9.8243	µg/L	-184.814	9.8243 µg/L	5.32%
Sr 407.771	248766.5	176.479	1.6000	µg/L	176.479	1.6000 µg/L	0.91%
Ti 334.941	1802.8	1.89665	1.005298	µg/L	1.89665	1.005298 µg/L	53.00%
Tl 190.800	18.4	4.90131	3.929152	µg/L	4.90131	3.929152 µg/L	80.17%
V 292.402	-279.2	-0.711181	1.1465160	µg/L	-0.711181	1.1465160 µg/L	161.21%
Zn 206.200	22.5	8.81487	0.895333	µg/L	8.81487	0.895333 µg/L	10.16%

Replicate Data

ID: 1002041-04 Date: 2/8/10 10:31:54 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	419567.5	419567.5	105.6	µg/L		
1	Y 360.064	257812.4	257812.4	106.2	µg/L		
1	Ag 328.068	-102.6	-97.2	-3.09585	µg/L	-3.09585	µg/L
1	Al 396.140	-330.6	-313.2	-49.2296	µg/L	-49.2296	µg/L
1	As 188.979	-1.0	-1.0	-55.5374	µg/L	-55.5374	µg/L
1	B 249.773	686.1	650.0	37.8897	µg/L	37.8897	µg/L
1	Ba 455.403	63369.7	60035.1	82.0387	µg/L	82.0387	µg/L
1	Be 234.861	106.3	100.8	-0.0933906	µg/L	-0.0933906	µg/L
1	Ca 315.887	920697.3	872249.4	88.5525	mg/L	88.5525	mg/L
1	Cd 214.438	68.5	64.9	2.97224	µg/L	2.97224	µg/L
1	Ce 413.765	-185.8	-176.0	5.45355	µg/L	0.0054535	mg/L
1	Co 228.616	-33.6	-31.8	-5.86960	µg/L	-5.86960	µg/L
1	Cr 205.560	47.1	44.6	-3.71424	µg/L	-3.71424	µg/L
1	Cu 327.394	-74.7	-70.7	-1.54437	µg/L	-1.54437	µg/L
1	Fe 238.204	465.1	440.7	39.0931	µg/L	39.0931	µg/L
1	K 766.514	12314.8	11666.8	2.97650	mg/L	2.97650	mg/L
1	Li 670.781	1442.1	1366.2	4.55958	µg/L	4.55958	µg/L
1	Mg 279.074	27691.9	26234.7	21.4856	mg/L	21.4856	mg/L
1	Mn 257.610	23615.4	22372.7	305.217	µg/L	305.217	µg/L
1	Mo 202.031	6.9	6.5	0.121760	µg/L	0.121760	µg/L
1	Na 589.594	387781.9	367376.4	24.6540	mg/L	24.6540	mg/L
1	Ni 231.603	80.6	76.3	-3.62594	µg/L	-3.62594	µg/L
1	Pb 220.353	-21.6	-20.4	-62.1418	µg/L	-62.1418	µg/L
1	Sb 206.831	10.8	10.2	55.7487	µg/L	55.7487	µg/L
1	Se 196.026	75.0	71.0	61.4651	µg/L	61.4651	µg/L
1	Si 251.611	29866.6	28294.9	5955.09	µg/L	5955.09	µg/L
1	Sn 189.933	-22.0	-20.9	-183.058	µg/L	-183.058	µg/L
1	Sr 407.771	260014.6	246332.4	174.727	µg/L	174.727	µg/L
1	Ti 334.941	1923.6	1822.4	2.11446	µg/L	2.11446	µg/L
1	Tl 190.800	19.0	18.0	2.49971	µg/L	2.49971	µg/L
1	V 292.402	-292.8	-277.4	-0.588234	µg/L	-0.588234	µg/L
1	Zn 206.200	24.8	23.5	9.25959	µg/L	9.25959	µg/L
2	Sc 357.253	418936.2	418936.2	105.4	µg/L		
2	Y 360.064	257349.9	257349.9	106.0	µg/L		
2	Ag 328.068	-76.2	-72.3	-2.08264	µg/L	-2.08264	µg/L
2	Al 396.140	-393.2	-373.1	-57.2313	µg/L	-57.2313	µg/L
2	As 188.979	11.0	10.5	11.4055	µg/L	11.4055	µg/L
2	B 249.773	690.5	655.1	38.4091	µg/L	38.4091	µg/L
2	Ba 455.403	63574.9	60320.3	82.4966	µg/L	82.4966	µg/L
2	Be 234.861	111.4	105.7	-0.0367941	µg/L	-0.0367941	µg/L
2	Ca 315.887	927178.4	879713.0	89.3099	mg/L	89.3099	mg/L
2	Cd 214.438	68.1	64.6	2.91977	µg/L	2.91977	µg/L
2	Ce 413.765	-263.2	-249.7	-6.04229	µg/L	-0.0060423	mg/L
2	Co 228.616	10.9	10.4	7.16933	µg/L	7.16933	µg/L
2	Cr 205.560	54.3	51.5	2.56647	µg/L	2.56647	µg/L
2	Cu 327.394	-206.2	-195.6	-10.2717	µg/L	-10.2717	µg/L
2	Fe 238.204	484.3	459.5	41.2134	µg/L	41.2134	µg/L

2 K 766.514	12149.2	11527.2	2.93320 mg/L	2.93320 mg/L
2 Li 670.781	1518.0	1440.2	5.02978 µg/L	5.02978 µg/L
2 Mg 279.074	27861.6	26435.3	21.6500 mg/L	21.6500 mg/L
2 Mn 257.610	23707.0	22493.4	306.857 µg/L	306.857 µg/L
2 Mo 202.031	4.6	4.4	-3.11610 µg/L	-3.11610 µg/L
2 Na 589.594	389777.7	369823.7	24.8197 mg/L	24.8197 mg/L
2 Ni 231.603	95.7	90.8	4.92314 µg/L	4.92314 µg/L
2 Pb 220.353	-6.7	-6.4	-9.23204 µg/L	-9.23204 µg/L
2 Sb 206.831	-5.9	-5.6	-26.0938 µg/L	-26.0938 µg/L
2 Se 196.026	67.6	64.1	8.34392 µg/L	8.34392 µg/L
2 Si 251.611	30022.4	28485.5	5996.81 µg/L	5996.81 µg/L
2 Sn 189.933	-18.1	-17.1	-144.645 µg/L	-144.645 µg/L
2 Sr 407.771	261807.9	248405.0	176.219 µg/L	176.219 µg/L
2 Ti 334.941	2000.3	1897.9	2.95471 µg/L	2.95471 µg/L
2 Tl 190.800	20.3	19.3	10.7140 µg/L	10.7140 µg/L
2 V 292.402	-337.0	-319.7	-3.38461 µg/L	-3.38461 µg/L
2 Zn 206.200	23.6	22.4	8.76229 µg/L	8.76229 µg/L

Mean Data

ID: 1002041-04 Seq. No.: 47 Sample No.: 32 A/S Pos: 48
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 10:31:54 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	419251.8	105.5	0.11	µg/L				0.11%
Y 360.064	257581.2	106.1	0.13	µg/L				0.13%
Ag 328.068	-84.8	-2.58924	0.716451	µg/L	-2.58924	0.716451	µg/L	27.67%
Al 396.140	-343.1	-53.2305	5.65806	µg/L	-53.2305	5.65806	µg/L	10.63%
As 188.979	4.7	-22.0659	47.33578	µg/L	-22.0659	47.33578	µg/L	214.52%
B 249.773	652.5	38.1494	0.36728	µg/L	38.1494	0.36728	µg/L	0.96%
Ba 455.403	60177.7	82.2676	0.32377	µg/L	82.2676	0.32377	µg/L	0.39%
Be 234.861	103.2	-0.0650924	0.04001981	µg/L	-0.0650924	0.04001981	µg/L	61.48%
Ca 315.887	875981.2	88.9312	0.53559	mg/L	88.9312	0.53559	mg/L	0.60%
Cd 214.438	64.8	2.94600	0.037103	µg/L	2.94600	0.037103	µg/L	1.26%
Ce 413.765	-212.9	-0.294370	8.1287807	µg/L	-0.0002944	0.00812878	mg/L	>999.9%
Co 228.616	-10.7	0.649866	9.2199121	µg/L	0.649866	9.2199121	µg/L	>999.9%
Cr 205.560	48.0	-0.573884	4.4411331	µg/L	-0.573884	4.4411331	µg/L	773.87%
Cu 327.394	-133.2	-5.90804	6.171166	µg/L	-5.90804	6.171166	µg/L	104.45%
Fe 238.204	450.1	40.1533	1.49925	µg/L	40.1533	1.49925	µg/L	3.73%
K 766.514	11597.0	2.95485	0.030618	mg/L	2.95485	0.030618	mg/L	1.04%
Li 670.781	1403.2	4.79468	0.332485	µg/L	4.79468	0.332485	µg/L	6.93%
Mg 279.074	26335.0	21.5678	0.11623	mg/L	21.5678	0.11623	mg/L	0.54%
Mn 257.610	22433.0	306.037	1.1596	µg/L	306.037	1.1596	µg/L	0.38%
Mo 202.031	5.5	-1.49717	2.289515	µg/L	-1.49717	2.289515	µg/L	152.92%
Na 589.594	368600.1	24.7369	0.11717	mg/L	24.7369	0.11717	mg/L	0.47%
Ni 231.603	83.6	0.648596	6.0451116	µg/L	0.648596	6.0451116	µg/L	932.03%
Pb 220.353	-13.4	-35.6869	37.41284	µg/L	-35.6869	37.41284	µg/L	104.84%
Sb 206.831	2.3	14.8275	57.87136	µg/L	14.8275	57.87136	µg/L	390.30%
Se 196.026	67.6	34.9045	37.56233	µg/L	34.9045	37.56233	µg/L	107.61%
Si 251.611	28390.2	5975.95	29.500	µg/L	5975.95	29.500	µg/L	0.49%
Sn 189.933	-19.0	-163.852	27.1621	µg/L	-163.852	27.1621	µg/L	16.58%
Sr 407.771	247368.7	175.473	1.0549	µg/L	175.473	1.0549	µg/L	0.60%
Ti 334.941	1860.1	2.53458	0.594150	µg/L	2.53458	0.594150	µg/L	23.44%
Tl 190.800	18.6	6.60683	5.808350	µg/L	6.60683	5.808350	µg/L	87.91%
V 292.402	-298.5	-1.98642	1.977334	µg/L	-1.98642	1.977334	µg/L	99.54%
Zn 206.200	22.9	9.01094	0.351642	µg/L	9.01094	0.351642	µg/L	3.90%

Replicate Data

ID: 0B08006-CCV Date: 2/8/10 10:35:18 AM

Repl# Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1 Sc 357.253	425416.8	425416.8	107.0	µg/L		
1 Y 360.064	262824.3	262824.3	108.3	µg/L		
1 Ag 328.068	13270.7	12399.6	504.178	µg/L		
1 Al 396.140	20068.0	18750.6	2496.72	µg/L		
1 As 188.979	465.1	434.6	2498.03	µg/L		
1 B 249.773	5467.7	5108.8	486.338	µg/L		
1 Ba 455.403	340792.4	318420.3	496.847	µg/L		
1 Be 234.861	4802.0	4486.7	50.3117	µg/L		

1	Ca 315.887	53490.4	49978.9	5.10227	mg/L
1	Cd 214.438	3563.0	3329.1	509.091	µg/L
1	Ce 413.765	-190.6	-178.1	5.13279	µg/L
1	Co 228.616	1738.7	1624.6	506.606	µg/L
1	Cr 205.560	662.1	618.6	518.414	µg/L
1	Cu 327.394	7683.9	7179.5	505.168	µg/L
1	Fe 238.204	4909.6	4587.3	506.071	µg/L
1	K 766.514	19361.9	18090.8	4.96799	mg/L
1	Li 670.781	84084.0	78564.2	494.606	µg/L
1	Mg 279.074	6755.8	6312.3	5.15911	mg/L
1	Mn 257.610	39912.6	37292.4	508.047	µg/L
1	Mo 202.031	363.0	339.1	513.805	µg/L
1	Na 589.594	82162.4	76768.7	4.97610	mg/L
1	Ni 231.603	1021.2	954.1	516.762	µg/L
1	Pb 220.353	148.4	138.7	538.322	µg/L
1	Sb 206.831	512.0	478.4	2479.37	µg/L
1	Se 196.026	426.0	398.0	2564.35	µg/L
1	Si 251.611	13219.6	12351.7	2463.91	µg/L
1	Sn 189.933	275.4	257.3	2669.07	µg/L
1	Sr 407.771	750602.0	701327.1	502.213	µg/L
1	Ti 334.941	50160.5	46867.6	503.430	µg/L
1	Tl 190.800	453.8	424.0	2509.75	µg/L
1	V 292.402	7942.4	7421.0	507.581	µg/L
1	Zn 206.200	1190.1	1112.0	517.139	µg/L
2	Sc 357.253	425719.7	425719.7	107.1	µg/L
2	Y 360.064	262919.4	262919.4	108.3	µg/L
2	Ag 328.068	13314.3	12431.4	505.472	µg/L
2	Al 396.140	20151.5	18815.2	2505.35	µg/L
2	As 188.979	474.8	443.3	2549.09	µg/L
2	B 249.773	5554.2	5185.9	494.093	µg/L
2	Ba 455.403	344544.9	321697.5	502.108	µg/L
2	Be 234.861	4832.0	4511.6	50.5978	µg/L
2	Ca 315.887	53656.7	50098.6	5.11442	mg/L
2	Cd 214.438	3584.6	3346.9	511.852	µg/L
2	Ce 413.765	-260.8	-243.5	-5.07162	µg/L
2	Co 228.616	1738.6	1623.4	506.221	µg/L
2	Cr 205.560	649.1	606.0	506.971	µg/L
2	Cu 327.394	7670.6	7162.0	503.942	µg/L
2	Fe 238.204	4969.3	4639.8	511.979	µg/L
2	K 766.514	19526.8	18231.9	5.01180	mg/L
2	Li 670.781	84843.8	79217.7	498.754	µg/L
2	Mg 279.074	6726.3	6280.2	5.13284	mg/L
2	Mn 257.610	40060.7	37404.2	509.567	µg/L
2	Mo 202.031	362.6	338.6	512.925	µg/L
2	Na 589.594	82947.1	77446.7	5.02199	mg/L
2	Ni 231.603	1033.2	964.7	523.037	µg/L
2	Pb 220.353	148.2	138.3	536.905	µg/L
2	Sb 206.831	525.0	490.2	2540.41	µg/L
2	Se 196.026	436.1	407.2	2634.43	µg/L
2	Si 251.611	13385.1	12497.5	2495.82	µg/L
2	Sn 189.933	280.8	262.2	2718.99	µg/L
2	Sr 407.771	759706.2	709328.7	507.972	µg/L
2	Ti 334.941	50362.6	47022.9	505.159	µg/L
2	Tl 190.800	464.6	433.8	2570.13	µg/L
2	V 292.402	7948.7	7421.6	507.618	µg/L
2	Zn 206.200	1179.6	1101.4	512.212	µg/L

Mean Data

ID: 0B08006-CCV Seq. No.: 48 Sample No.: 8 A/S Pos: 4
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/8/10 10:35:18 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	425568.2	107.1	0.05	µg/L				0.05%
Y 360.064	262871.8	108.3	0.03	µg/L				0.03%
Ag 328.068	12415.5	504.825	0.9153	µg/L				0.18%
Al 396.140	18782.9	2501.04	6.099	µg/L				0.24%
As 188.979	438.9	2523.56	36.110	µg/L				1.43%
B 249.773	5147.3	490.216	5.4837	µg/L				1.12%
Ba 455.403	320058.9	499.478	3.7201	µg/L				0.74%

Be 234.861	4499.2	50.4547	0.20229	µg/L	0.40%
Ca 315.887	50038.8	5.10835	0.008586	mg/L	0.17%
Cd 214.438	3338.0	510.472	1.9529	µg/L	0.38%
Ce 413.765	-210.8	0.0305847	7.21561167	µg/L	>999.9%
Co 228.616	1624.0	506.414	0.2728	µg/L	0.05%
Cr 205.560	612.3	512.692	8.0916	µg/L	1.58%
Cu 327.394	7170.7	504.555	0.8666	µg/L	0.17%
Fe 238.204	4613.6	509.025	4.1777	µg/L	0.82%
K 766.514	18161.4	4.98989	0.030978	mg/L	0.62%
Li 670.781	78890.9	496.680	2.9333	µg/L	0.59%
Mg 279.074	6296.3	5.14598	0.018579	mg/L	0.36%
Mn 257.610	37348.3	508.807	1.0743	µg/L	0.21%
Mo 202.031	338.8	513.365	0.6223	µg/L	0.12%
Na 589.594	77107.7	4.99904	0.032453	mg/L	0.65%
Ni 231.603	959.4	519.899	4.4371	µg/L	0.85%
Pb 220.353	138.5	537.613	1.0019	µg/L	0.19%
Sb 206.831	484.3	2509.89	43.162	µg/L	1.72%
Se 196.026	402.6	2599.39	49.550	µg/L	1.91%
Si 251.611	12424.6	2479.87	22.567	µg/L	0.91%
Sn 189.933	259.8	2694.03	35.298	µg/L	1.31%
Sr 407.771	705327.9	505.092	4.0724	µg/L	0.81%
Ti 334.941	46945.3	504.294	1.2225	µg/L	0.24%
Tl 190.800	428.9	2539.94	42.697	µg/L	1.68%
V 292.402	7421.3	507.600	0.0264	µg/L	0.01%
Zn 206.200	1106.7	514.675	3.4842	µg/L	0.68%

Replicate Data

ID: 0B08006-CCB Date: 2/8/10 10:38:42 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	418668.4	418668.4	105.3	µg/L		
1	Y 360.064	258632.6	258632.6	106.6	µg/L		
1	Ag 328.068	-23.9	-22.7	-0.0684455	µg/L		
1	Al 396.140	-162.8	-154.6	-28.0453	µg/L		
1	As 188.979	-1.2	-1.2	-56.6604	µg/L		
1	B 249.773	198.7	188.6	-8.51097	µg/L		
1	Ba 455.403	8519.8	8088.8	-1.35526	µg/L		
1	Be 234.861	83.3	79.1	-0.342524	µg/L		
1	Ca 315.887	146.6	139.2	0.0466707	mg/L		
1	Cd 214.438	51.3	48.7	0.455965	µg/L		
1	Ce 413.765	-152.8	-145.1	10.2796	µg/L		
1	Co 228.616	-20.8	-19.8	-2.15842	µg/L		
1	Cr 205.560	65.6	62.3	12.3792	µg/L		
1	Cu 327.394	-66.7	-63.4	-1.03048	µg/L		
1	Fe 238.204	78.8	74.8	-2.11307	µg/L		
1	K 766.514	2126.6	2019.1	-0.0237751	mg/L		
1	Li 670.781	269.2	255.6	-2.49045	µg/L		
1	Mg 279.074	10.9	10.3	-0.0019172	mg/L		
1	Mn 257.610	-236.7	-224.8	-1.99043	µg/L		
1	Mo 202.031	8.7	8.3	2.82328	µg/L		
1	Na 589.594	2978.1	2827.5	-0.0277975	mg/L		
1	Ni 231.603	81.4	77.3	-3.07865	µg/L		
1	Pb 220.353	3.6	3.4	27.6407	µg/L		
1	Sb 206.831	6.6	6.3	35.5187	µg/L		
1	Se 196.026	80.5	76.5	102.861	µg/L		
1	Si 251.611	1151.1	1092.8	-1.52644	µg/L		
1	Sn 189.933	-1.2	-1.1	19.4631	µg/L		
1	Sr 407.771	707.2	671.4	-2.08957	µg/L		
1	Ti 334.941	1735.6	1647.8	0.171957	µg/L		
1	Tl 190.800	15.6	14.8	-17.1727	µg/L		
1	V 292.402	-252.6	-239.9	1.88723	µg/L		
1	Zn 206.200	3.2	3.0	-0.278545	µg/L		
2	Sc 357.253	417951.4	417951.4	105.1	µg/L		
2	Y 360.064	258242.9	258242.9	106.4	µg/L		
2	Ag 328.068	4.1	3.9	1.00934	µg/L		
2	Al 396.140	-75.8	-72.1	-17.0320	µg/L		
2	As 188.979	14.7	14.0	31.9900	µg/L		
2	B 249.773	196.5	186.8	-8.68868	µg/L		
2	Ba 455.403	8520.9	8103.7	-1.33138	µg/L		

2 Be 234.861	119.7	113.9	0.0573483	µg/L
2 Ca 315.887	129.6	123.2	0.0450540	mg/L
2 Cd 214.438	26.9	25.6	-3.13025	µg/L
2 Ce 413.765	-121.3	-115.4	14.9096	µg/L
2 Co 228.616	-13.2	-12.6	0.0767183	µg/L
2 Cr 205.560	66.5	63.2	13.2155	µg/L
2 Cu 327.394	-99.7	-94.8	-3.23025	µg/L
2 Fe 238.204	98.7	93.8	0.0348770	µg/L
2 K 766.514	1923.2	1829.0	-0.0827798	mg/L
2 Li 670.781	323.9	308.1	-2.15730	µg/L
2 Mg 279.074	29.2	27.7	0.0123295	mg/L
2 Mn 257.610	-224.6	-213.6	-1.83888	µg/L
2 Mo 202.031	16.4	15.6	14.0986	µg/L
2 Na 589.594	3106.3	2954.2	-0.0192195	mg/L
2 Ni 231.603	98.5	93.7	6.63525	µg/L
2 Pb 220.353	-0.1	-0.1	14.3992	µg/L
2 Sb 206.831	-3.5	-3.3	-14.1483	µg/L
2 Se 196.026	75.2	71.5	64.9538	µg/L
2 Si 251.611	1160.8	1103.9	0.906525	µg/L
2 Sn 189.933	-4.1	-3.9	-9.13537	µg/L
2 Sr 407.771	645.8	614.1	-2.13081	µg/L
2 Ti 334.941	1765.0	1678.6	0.513932	µg/L
2 Tl 190.800	22.1	21.0	21.2379	µg/L
2 V 292.402	-227.5	-216.3	3.44084	µg/L
2 Zn 206.200	3.5	3.3	-0.135457	µg/L

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

ID: 0B08006-CCB Seq. No.: 49 Sample No.: 9 A/S Pos: 1

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

Data: Original Date: 2/8/10 10:38:42 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Sc 357.253	418309.9	105.2	0.13	µg/L				0.12%
Y 360.064	258437.8	106.5	0.11	µg/L				0.11%
Ag 328.068	-9.4	0.470449	0.7621112	µg/L				162.00%
Al 396.140	-113.3	-22.5386	7.78761	µg/L				34.55%
As 188.979	6.4	-12.3352	62.68534	µg/L				508.18%
B 249.773	187.7	-8.59983	0.125659	µg/L				1.46%
Ba 455.403	8096.3	-1.34332	0.016891	µg/L				1.26%
Be 234.861	96.5	-0.142588	0.2827522	µg/L				198.30%
Ca 315.887	131.2	0.0458624	0.00114317	mg/L				2.49%
Cd 214.438	37.1	-1.33714	2.535834	µg/L				189.65%
Ce 413.765	-130.2	12.5946	3.27393	µg/L				25.99%
Co 228.616	-16.2	-1.04085	1.580478	µg/L				151.85%
Cr 205.560	62.7	12.7974	0.59138	µg/L				4.62%
*QC exceeds upper limit for Cr 205.560 Action = Continue								
Cu 327.394	-79.1	-2.13037	1.555476	µg/L				73.01%
Fe 238.204	84.3	-1.03910	1.518829	µg/L				146.17%
K 766.514	1924.0	-0.0532774	0.04172264	mg/L				78.31%
Li 670.781	281.8	-2.32388	0.235571	µg/L				10.14%
Mg 279.074	19.0	0.0052062	0.01007392	mg/L				193.50%
Mn 257.610	-219.2	-1.91465	0.107166	µg/L				5.60%
Mo 202.031	11.9	8.46094	7.972854	µg/L				94.23%
Na 589.594	2890.8	-0.0235085	0.00606557	mg/L				25.80%
Ni 231.603	85.5	1.77830	6.868769	µg/L				386.25%
Pb 220.353	1.6	21.0200	9.36317	µg/L				44.54%
Sb 206.831	1.5	10.6852	35.11992	µg/L				328.68%
Se 196.026	74.0	83.9072	26.80418	µg/L				31.95%
Si 251.611	1098.4	-0.309959	1.7203692	µg/L				555.03%
Sn 189.933	-2.5	5.16388	20.222187	µg/L				391.61%
Sr 407.771	642.8	-2.11019	0.029163	µg/L				1.38%
Ti 334.941	1663.2	0.342945	0.2418131	µg/L				70.51%
Tl 190.800	17.9	2.03260	27.160408	µg/L				>999.9%
V 292.402	-228.1	2.66403	1.098567	µg/L				41.24%
Zn 206.200	3.2	-0.207001	0.1011789	µg/L				48.88%

Calibration Summary

Method: AQU_6010C_101 Date: 2/8/10 11:27:06 AM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
Ag 328.068	4	Linear	-21.0	24.6	0.00000	0.999980
Al 396.140	4	Linear	55.4	7.5	0.00000	0.999952
As 188.979	4	Linear	8.5	0.2	0.00000	0.999977
B 249.773	4	Linear	273.2	9.9	0.00000	0.999911
Ba 455.403	4	Linear	8933.0	622.9	0.00000	0.999942
Be 234.861	4	Linear	108.9	87.0	0.00000	0.999991
Ca 315.887	4	Linear	-320.7	9854.0	0.00000	0.999984
Cd 214.438	4	Linear	45.8	6.4	0.00000	0.999985
Ce 413.765	1	Linear	-211.0	6.4	0.00000	1.000000
Co 228.616	4	Linear	-12.8	3.2	0.00000	0.999985
Cr 205.560	4	Linear	48.7	1.1	0.00000	0.999944
Cu 327.394	4	Linear	-48.6	14.3	0.00000	0.999941
Fe 238.204	4	Linear	93.5	8.9	0.00000	1.000000
K 766.514	4	Linear	2095.6	3220.2	0.00000	0.999810
Li 670.781	4	Linear	647.9	157.5	0.00000	0.999956
Mg 279.074	4	Linear	12.7	1221.0	0.00000	0.999993
Mn 257.610	4	Linear	-78.4	73.6	0.00000	0.999992
Mo 202.031	3	Linear	6.4	0.6	0.00000	0.999973
Na 589.594	4	Linear	3238.1	14773.3	0.00000	0.999931
Ni 231.603	4	Linear	82.5	1.7	0.00000	0.999904
Pb 220.353	4	Linear	-4.0	0.3	0.00000	0.999402
Sb 206.831	4	Linear	-0.6	0.2	0.00000	0.999979
Se 196.026	4	Linear	63.0	0.1	0.00000	0.999578
Si 251.611	4	Linear	1099.8	4.6	0.00000	0.999959
Sn 189.933	4	Linear	-3.0	0.1	0.00000	0.999958
Sr 407.771	4	Linear	3574.6	1389.4	0.00000	0.999938
Ti 334.941	3	Linear	1632.4	89.9	0.00000	0.999993
Tl 190.800	4	Linear	17.6	0.2	0.00000	0.999925
V 292.402	4	Linear	-268.5	15.1	0.00000	0.999990
Zn 206.200	4	Linear	3.6	2.1	0.00000	0.999975

Method: AQU_6010C_101 IEC: IEC-35.IEC MSF:
Results: 0B08006 Spectra Stored: Yes Method Stored: Yes
Sample Info: 0b08006 User: User1 Date: 2/8/10 11:27:06 AM
Method Description: Aqueous 6010C

Replicate Data

ID: 1002004-08 Date: 2/8/10 11:28:41 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	437356.3	437356.3	110.0	µg/L		
1	Y 360.064	271758.7	271758.7	112.0	µg/L		
1	Ag 328.068	-101.3	-92.1	-2.88588	µg/L	-14.4294	µg/L
1	Al 396.140	2650.6	2409.0	314.318	µg/L	1571.59	µg/L
1	As 188.979	8.8	8.0	-3.02138	µg/L	-15.1069	µg/L
1	B 249.773	253.0	229.9	-4.35548	µg/L	-21.7774	µg/L
1	Ba 455.403	12052.0	10953.4	3.24349	µg/L	16.2174	µg/L
1	Be 234.861	115.4	104.9	-0.0457809	µg/L	-0.228905	µg/L
1	Ca 315.887	21678.7	19702.6	2.03200	mg/L	10.1600	mg/L
1	Cd 214.438	45.5	41.4	-0.677088	µg/L	-3.38544	µg/L
1	Ce 413.765	-213.3	-193.8	2.67302	µg/L	0.0133651	mg/L
1	Co 228.616	-22.2	-20.2	-2.28205	µg/L	-11.4103	µg/L
1	Cr 205.560	48.9	44.4	-3.86558	µg/L	-19.3279	µg/L
1	Cu 327.394	-78.5	-71.4	-1.58901	µg/L	-7.94504	µg/L
1	Fe 238.204	3849.1	3498.2	383.422	µg/L	1917.11	µg/L
1	K 766.514	2230.7	2027.4	-0.0211834	mg/L	-0.105917	mg/L
1	Li 670.781	359.2	326.4	-2.04062	µg/L	-10.2031	µg/L
1	Mg 279.074	300.0	272.6	0.212889	mg/L	1.06445	mg/L
1	Mn 257.610	1436.2	1305.2	18.8097	µg/L	94.0484	µg/L
1	Mo 202.031	1.6	1.4	-7.74503	µg/L	-38.7252	µg/L
1	Na 589.594	34016.2	30915.5	1.87346	mg/L	9.36732	mg/L
1	Ni 231.603	86.4	78.5	-2.33495	µg/L	-11.6748	µg/L

1	Pb 220.353	-5.0	-4.5	-2.21566 µg/L	-11.0783 µg/L
1	Sb 206.831	10.4	9.4	51.6221 µg/L	258.110 µg/L
1	Se 196.026	63.5	57.7	-40.5602 µg/L	-202.801 µg/L
1	Si 251.611	4521.5	4109.3	659.011 µg/L	3295.05 µg/L
1	Sn 189.933	-1.8	-1.6	14.3169 µg/L	71.5844 µg/L
1	Sr 407.771	8056.4	7322.0	2.69721 µg/L	13.4860 µg/L
1	Ti 334.941	2635.1	2394.9	8.48613 µg/L	42.4307 µg/L
1	Tl 190.800	11.9	10.8	-41.6885 µg/L	-208.442 µg/L
1	V 292.402	-315.6	-286.8	-1.21042 µg/L	-6.05208 µg/L
1	Zn 206.200	-2.1	-1.9	-2.58223 µg/L	-12.9112 µg/L
2	Sc 357.253	426206.2	426206.2	107.2 µg/L	
2	Y 360.064	264435.0	264435.0	109.0 µg/L	
2	Ag 328.068	-42.1	-39.3	-0.743576 µg/L	-3.71788 µg/L
2	Al 396.140	2586.9	2412.6	314.797 µg/L	1573.99 µg/L
2	As 188.979	2.4	2.2	-36.7306 µg/L	-183.653 µg/L
2	B 249.773	249.6	232.8	-4.07041 µg/L	-20.3520 µg/L
2	Ba 455.403	11999.3	11190.8	3.62459 µg/L	18.1230 µg/L
2	Be 234.861	117.1	109.2	0.0032992 µg/L	0.0164958 µg/L
2	Ca 315.887	21769.9	20303.1	2.09294 mg/L	10.4647 mg/L
2	Cd 214.438	59.8	55.7	1.54822 µg/L	7.74112 µg/L
2	Ce 413.765	-172.5	-160.9	7.81068 µg/L	0.0390534 mg/L
2	Co 228.616	-7.1	-6.6	1.93012 µg/L	9.65058 µg/L
2	Cr 205.560	50.7	47.3	-1.27025 µg/L	-6.35124 µg/L
2	Cu 327.394	-68.8	-64.1	-1.08369 µg/L	-5.41844 µg/L
2	Fe 238.204	3858.3	3598.4	394.699 µg/L	1973.49 µg/L
2	K 766.514	2322.7	2166.2	0.0219188 mg/L	0.109594 mg/L
2	Li 670.781	423.9	395.4	-1.60306 µg/L	-8.01529 µg/L
2	Mg 279.074	304.9	284.4	0.222520 mg/L	1.11260 mg/L
2	Mn 257.610	1457.8	1359.6	19.5488 µg/L	97.7440 µg/L
2	Mo 202.031	6.7	6.3	-0.218270 µg/L	-1.09135 µg/L
2	Na 589.594	34434.0	32113.9	1.95459 mg/L	9.77295 mg/L
2	Ni 231.603	83.5	77.8	-2.74837 µg/L	-13.7419 µg/L
2	Pb 220.353	-8.9	-8.3	-16.3570 µg/L	-81.7851 µg/L
2	Sb 206.831	1.4	1.3	9.74232 µg/L	48.7116 µg/L
2	Se 196.026	78.7	73.4	79.4438 µg/L	397.219 µg/L
2	Si 251.611	4476.1	4174.5	673.283 µg/L	3366.41 µg/L
2	Sn 189.933	-3.1	-2.9	1.17332 µg/L	5.86662 µg/L
2	Sr 407.771	7959.1	7422.9	2.76983 µg/L	13.8492 µg/L
2	Ti 334.941	2548.1	2376.5	8.28087 µg/L	41.4043 µg/L
2	Tl 190.800	17.5	16.3	-7.86781 µg/L	-39.3391 µg/L
2	V 292.402	-258.7	-241.3	1.79391 µg/L	8.96954 µg/L
2	Zn 206.200	5.4	5.0	0.666711 µg/L	3.33356 µg/L

Mean Data

ID: 1002004-08 Seq. No.: 1 Sample No.: 1 A/S Pos: 49
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 5.0
Data: Original Date: 2/8/10 11:28:41 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	431781.3	108.6	1.98	µg/L				1.83%
Y 360.064	268096.9	110.5	2.13	µg/L				1.93%
Ag 328.068	-65.7	-1.81473	1.514835	µg/L	-9.07363	7.574176	µg/L	83.47%
Al 396.140	2410.8	314.558	0.3389	µg/L	1572.79	1.695	µg/L	0.11%
As 188.979	5.1	-19.8760	23.83604	µg/L	-99.3800	119.18020	µg/L	119.92%
B 249.773	231.3	-4.21294	0.201575	µg/L	-21.0647	1.00787	µg/L	4.78%
Ba 455.403	11072.1	3.43404	0.269482	µg/L	17.1702	1.34741	µg/L	7.85%
Be 234.861	107.0	-0.0212409	0.03470486	µg/L	-0.106204	0.1735243	µg/L	163.39%
Ca 315.887	20002.8	2.06247	0.043090	mg/L	10.3123	0.21545	mg/L	2.09%
Cd 214.438	48.6	0.435568	1.5735328	µg/L	2.17784	7.867664	µg/L	361.26%
Ce 413.765	-177.4	5.24185	3.632874	µg/L	0.0262092	0.01816437	mg/L	69.31%
Co 228.616	-13.4	-0.175969	2.9784548	µg/L	-0.879844	14.8922742	µg/L	>999.9%
Cr 205.560	45.8	-2.56792	1.835179	µg/L	-12.8396	9.17589	µg/L	71.47%
Cu 327.394	-67.7	-1.33635	0.357315	µg/L	-6.68174	1.786577	µg/L	26.74%
Fe 238.204	3548.3	389.061	7.9740	µg/L	1945.30	39.870	µg/L	2.05%
K 766.514	2096.8	0.0003677	0.03047786	mg/L	0.0018385	0.15238928	mg/L	>999.9%
Li 670.781	360.9	-1.82184	0.309402	µg/L	-9.10919	1.547012	µg/L	16.98%
Mg 279.074	278.5	0.217704	0.0068101	mg/L	1.08852	0.034050	mg/L	3.13%
Mn 257.610	1332.4	19.1792	0.52264	µg/L	95.8962	2.61321	µg/L	2.73%
Mo 202.031	3.8	-3.98165	5.322225	µg/L	-19.9083	26.61112	µg/L	133.67%
Na 589.594	31514.7	1.91403	0.057364	mg/L	9.57013	0.286821	mg/L	3.00%

Ni 231.603	78.2	-2.54166	0.292331 µg/L	-12.7083	1.46166 µg/L	11.50%
Pb 220.353	-6.4	-9.28634	9.999450 µg/L	-46.4317	49.99725 µg/L	107.68%
Sb 206.831	5.4	30.6822	29.61348 µg/L	153.411	148.0674 µg/L	96.52%
Se 196.026	65.6	19.4418	84.85566 µg/L	97.2088	424.27831 µg/L	436.46%
Si 251.611	4141.9	666.147	10.0918 µg/L	3330.73	50.459 µg/L	1.51%
Sn 189.933	-2.3	7.74510	9.293896 µg/L	38.7255	46.46948 µg/L	120.00%
Sr 407.771	7372.4	2.73352	0.051353 µg/L	13.6676	0.25676 µg/L	1.88%
Ti 334.941	2385.7	8.38350	0.145145 µg/L	41.9175	0.72572 µg/L	1.73%
Tl 190.800	13.5	-24.7781	23.91482 µg/L	-123.891	119.5741 µg/L	96.52%
V 292.402	-264.0	0.291746	2.1243779 µg/L	1.45873	10.621889 µg/L	728.16%
Zn 206.200	1.6	-0.957760	2.2973493 µg/L	-4.78880	11.486747 µg/L	239.87%

Replicate Data

ID: 0B08006-SRD3 Date: 2/8/10 11:32:01 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Calib Units	Sample Conc.	Sample Units
1	Sc 357.253	420858.6	420858.6	105.9	µg/L		
1	Y 360.064	260838.9	260838.9	107.5	µg/L		
1	Ag 328.068	26.0	24.5	1.84681	µg/L	46.1702	µg/L
1	Al 396.140	482.4	455.6	53.4367	µg/L	1335.92	µg/L
1	As 188.979	6.1	5.8	-15.9463	µg/L	-398.657	µg/L
1	B 249.773	161.6	152.6	-12.1337	µg/L	-303.341	µg/L
1	Ba 455.403	9025.9	8524.7	-0.655508	µg/L	-16.3877	µg/L
1	Be 234.861	88.5	83.6	-0.290888	µg/L	-7.27219	µg/L
1	Ca 315.887	4033.1	3809.1	0.419105	mg/L	10.4776	mg/L
1	Cd 214.438	58.6	55.4	1.49414	µg/L	37.3535	µg/L
1	Ce 413.765	-167.8	-158.5	8.18249	µg/L	0.204562	mg/L
1	Co 228.616	-11.9	-11.3	0.477965	µg/L	11.9491	µg/L
1	Cr 205.560	54.8	51.8	2.81932	µg/L	70.4829	µg/L
1	Cu 327.394	-32.9	-31.0	1.22951	µg/L	30.7377	µg/L
1	Fe 238.204	827.0	781.1	77.4271	µg/L	1935.68	µg/L
1	K 766.514	2012.6	1900.8	-0.0604934	mg/L	-1.51233	mg/L
1	Li 670.781	401.6	379.3	-1.70528	µg/L	-42.6320	µg/L
1	Mg 279.074	21.6	20.4	0.0062951	mg/L	0.157377	mg/L
1	Mn 257.610	148.8	140.5	2.97583	µg/L	74.3958	µg/L
1	Mo 202.031	8.0	7.5	1.69649	µg/L	42.4123	µg/L
1	Na 589.594	9244.4	8731.1	0.371817	mg/L	9.29543	mg/L
1	Ni 231.603	94.5	89.2	4.02055	µg/L	100.514	µg/L
1	Pb 220.353	-13.0	-12.3	-31.5716	µg/L	-789.289	µg/L
1	Sb 206.831	-1.5	-1.4	-4.40133	µg/L	-110.033	µg/L
1	Se 196.026	67.2	63.5	3.71532	µg/L	92.8831	µg/L
1	Si 251.611	1769.9	1671.6	125.220	µg/L	3130.50	µg/L
1	Sn 189.933	-1.3	-1.2	18.8367	µg/L	470.918	µg/L
1	Sr 407.771	2214.7	2091.7	-1.06732	µg/L	-26.6831	µg/L
1	Ti 334.941	1882.9	1778.3	1.62395	µg/L	40.5988	µg/L
1	Tl 190.800	17.1	16.1	-8.72525	µg/L	-218.131	µg/L
1	V 292.402	-291.6	-275.4	-0.458782	µg/L	-11.4695	µg/L
1	Zn 206.200	2.7	2.6	-0.485618	µg/L	-12.1404	µg/L
2	Sc 357.253	420262.3	420262.3	105.7	µg/L		
2	Y 360.064	260655.7	260655.7	107.4	µg/L		
2	Ag 328.068	-64.1	-60.6	-1.60982	µg/L	-40.2456	µg/L
2	Al 396.140	426.7	403.6	46.4965	µg/L	1162.41	µg/L
2	As 188.979	7.7	7.3	-7.25063	µg/L	-181.266	µg/L
2	B 249.773	145.2	137.3	-13.6726	µg/L	-341.816	µg/L
2	Ba 455.403	9110.5	8616.9	-0.507548	µg/L	-12.6887	µg/L
2	Be 234.861	81.5	77.1	-0.365707	µg/L	-9.14266	µg/L
2	Ca 315.887	4081.1	3859.9	0.424261	mg/L	10.6065	mg/L
2	Cd 214.438	51.7	48.9	0.489218	µg/L	12.2305	µg/L
2	Ce 413.765	-283.2	-267.8	-8.86350	µg/L	-0.221588	mg/L
2	Co 228.616	-11.8	-11.2	0.501013	µg/L	12.5253	µg/L
2	Cr 205.560	50.0	47.3	-1.22573	µg/L	-30.6434	µg/L
2	Cu 327.394	7.9	7.4	3.91838	µg/L	97.9594	µg/L
2	Fe 238.204	855.3	808.9	80.5665	µg/L	2014.16	µg/L
2	K 766.514	1790.3	1693.3	-0.124936	mg/L	-3.12341	mg/L
2	Li 670.781	325.1	307.5	-2.16103	µg/L	-54.0257	µg/L
2	Mg 279.074	63.1	59.7	0.0385008	mg/L	0.962521	mg/L
2	Mn 257.610	135.1	127.8	2.80238	µg/L	70.0594	µg/L
2	Mo 202.031	2.3	2.2	-6.56595	µg/L	-164.149	µg/L
2	Na 589.594	9332.2	8826.5	0.378276	mg/L	9.45689	mg/L

2 Ni 231.603	85.5	80.9	-0.924602 µg/L	-23.1150 µg/L	
2 Pb 220.353	-12.2	-11.6	-28.6972 µg/L	-717.430 µg/L	
2 Sb 206.831	3.2	3.0	18.4665 µg/L	461.662 µg/L	
2 Se 196.026	66.9	63.3	1.96539 µg/L	49.1348 µg/L	
2 Si 251.611	1810.1	1712.1	134.069 µg/L	3351.73 µg/L	
2 Sn 189.933	-0.5	-0.5	25.8295 µg/L	645.737 µg/L	
2 Sr 407.771	2188.7	2070.1	-1.08287 µg/L	-27.0717 µg/L	
2 Ti 334.941	2030.0	1920.0	3.20088 µg/L	80.0221 µg/L	
2 Tl 190.800	21.6	20.4	17.5360 µg/L	438.400 µg/L	
2 V 292.402	-319.5	-302.1	-2.22407 µg/L	-55.6018 µg/L	
2 Zn 206.200	-9.6	-9.1	-5.92428 µg/L	-148.107 µg/L	

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

ID: 0B08006-SRD3 Seq. No.: 2 Sample No.: 2 A/S Pos: 50
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 25.0
Data: Original Date: 2/8/10 11:32:01 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	420560.5	105.8	0.11	µg/L				0.10%
Y 360.064	260747.3	107.4	0.05	µg/L				0.05%
Ag 328.068	-18.1	0.118492	2.4442070	µg/L	2.96231	61.105174	µg/L	>999.9%
Al 396.140	429.6	49.9666	4.90748	µg/L	1249.17	122.687	µg/L	9.82%
As 188.979	6.5	-11.5985	6.14875	µg/L	-289.961	153.7188	µg/L	53.01%
B 249.773	144.9	-12.9031	1.08821	µg/L	-322.579	27.2053	µg/L	8.43%
Ba 455.403	8570.8	-0.581528	0.1046236	µg/L	-14.5382	2.61559	µg/L	17.99%
Be 234.861	80.3	-0.328297	0.0529050	µg/L	-8.20743	1.322625	µg/L	16.11%
Ca 315.887	3834.5	0.421683	0.0036457	mg/L	10.5421	0.09114	mg/L	0.86%
Cd 214.438	52.2	0.991680	0.7105879	µg/L	24.7920	17.76470	µg/L	71.65%
Ce 413.765	-213.2	-0.340505	12.0533417	µg/L	-0.0085126	0.30133354	mg/L	>999.9%
Co 228.616	-11.2	0.489489	0.0162973	µg/L	12.2372	0.40743	µg/L	3.33%
Cr 205.560	49.5	0.796791	2.8602823	µg/L	19.9198	71.50706	µg/L	358.98%
Cu 327.394	-11.8	2.57394	1.901317	µg/L	64.3486	47.53293	µg/L	73.87%
Fe 238.204	795.0	78.9968	2.21985	µg/L	1974.92	55.496	µg/L	2.81%
K 766.514	1797.1	-0.0927149	0.04556815	mg/L	-2.31787	1.139204	mg/L	49.15%
Li 670.781	343.4	-1.93315	0.322263	µg/L	-48.3288	8.05658	µg/L	16.67%
Mg 279.074	40.0	0.0223980	0.02277291	mg/L	0.559949	0.5693228	mg/L	101.67%
Mn 257.610	134.2	2.88910	0.122654	µg/L	72.2276	3.06634	µg/L	4.25%
Mo 202.031	4.8	-2.43473	5.842427	µg/L	-60.8682	146.06068	µg/L	239.96%
Na 589.594	8778.8	0.375046	0.0045669	mg/L	9.37616	0.114171	mg/L	1.22%
Ni 231.603	85.1	1.54797	3.496748	µg/L	38.6993	87.41870	µg/L	225.89%
Pb 220.353	-11.9	-30.1344	2.03248	µg/L	-753.360	50.8119	µg/L	6.74%
Sb 206.831	0.8	7.03257	16.169984	µg/L	175.814	404.2496	µg/L	229.93%
Se 196.026	63.4	2.84036	1.237389	µg/L	71.0089	30.93473	µg/L	43.56%
Si 251.611	1691.9	129.645	6.2575	µg/L	3241.12	156.437	µg/L	4.83%
Sn 189.933	-0.8	22.3331	4.94464	µg/L	558.328	123.6160	µg/L	22.14%
Sr 407.771	2080.9	-1.07510	0.010991	µg/L	-26.8774	0.27478	µg/L	1.02%
Ti 334.941	1849.1	2.41242	1.115059	µg/L	60.3105	27.87647	µg/L	46.22%
Tl 190.800	18.3	4.40538	18.569508	µg/L	110.134	464.2377	µg/L	421.52%
V 292.402	-288.8	-1.34143	1.248250	µg/L	-33.5357	31.20625	µg/L	93.05%
Zn 206.200	-3.3	-3.20495	3.845716	µg/L	-80.1237	96.14289	µg/L	119.99%

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

ID: 1000900-PS2 Date: 2/8/10 11:35:23 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	426524.2	426524.2	107.3	µg/L		
1	Y 360.064	263869.8	263869.8	108.7	µg/L		
1	Ag 328.068	6413.9	5977.3	243.483	µg/L	1217.42	µg/L
1	Al 396.140	12425.1	11579.3	1539.00	µg/L	7694.98	µg/L
1	As 188.979	237.0	220.9	1245.20	µg/L	6225.99	µg/L
1	B 249.773	2856.2	2661.7	240.225	µg/L	1201.13	µg/L
1	Ba 455.403	172656.5	160903.3	243.971	µg/L	1219.86	µg/L
1	Be 234.861	2402.0	2238.5	24.4747	µg/L	122.374	µg/L
1	Ca 315.887	153390.4	142948.6	14.5395	mg/L	72.6973	mg/L
1	Cd 214.438	1783.0	1661.6	250.539	µg/L	1252.69	µg/L
1	Ce 413.765	-262.2	-244.4	-5.20472	µg/L	-0.0260236	mg/L
1	Co 228.616	831.4	774.8	243.676	µg/L	1218.38	µg/L
1	Cr 205.560	354.6	330.5	256.348	µg/L	1281.74	µg/L
1	Cu 327.394	3754.9	3499.3	247.962	µg/L	1239.81	µg/L

1	Fe 238.204	6224.5	5800.8	642.725 µg/L	3213.62 µg/L
1	K 766.514	44437.9	41412.8	12.2109 mg/L	61.0544 mg/L
1	Li 670.781	41336.9	38523.0	240.427 µg/L	1202.14 µg/L
1	Mg 279.074	16848.2	15701.3	12.8498 mg/L	64.2489 mg/L
1	Mn 257.610	21257.7	19810.7	270.387 µg/L	1351.93 µg/L
1	Mo 202.031	178.2	166.1	246.526 µg/L	1232.63 µg/L
1	Na 589.594	227783.7	212277.8	14.1508 mg/L	70.7541 mg/L
1	Ni 231.603	543.7	506.6	251.471 µg/L	1257.35 µg/L
1	Pb 220.353	61.4	57.3	230.992 µg/L	1154.96 µg/L
1	Sb 206.831	260.1	242.4	1257.67 µg/L	6288.33 µg/L
1	Se 196.026	240.3	224.0	1232.04 µg/L	6160.21 µg/L
1	Si 251.611	10709.7	9980.7	1944.71 µg/L	9723.53 µg/L
1	Sn 189.933	135.0	125.8	1321.08 µg/L	6605.41 µg/L
1	Sr 407.771	375161.9	349623.5	249.071 µg/L	1245.36 µg/L
1	Ti 334.941	26805.1	24980.4	259.844 µg/L	1299.22 µg/L
1	Tl 190.800	246.2	229.5	1308.61 µg/L	6543.06 µg/L
1	V 292.402	3730.5	3476.6	247.209 µg/L	1236.04 µg/L
1	Zn 206.200	589.6	549.4	254.673 µg/L	1273.36 µg/L
2	Sc 357.253	425003.0	425003.0	106.9 µg/L	
2	Y 360.064	262854.1	262854.1	108.3 µg/L	
2	Ag 328.068	6379.8	5966.8	243.059 µg/L	1215.29 µg/L
2	Al 396.140	12421.3	11617.2	1544.06 µg/L	7720.28 µg/L
2	As 188.979	227.4	212.7	1197.05 µg/L	5985.26 µg/L
2	B 249.773	2868.8	2683.1	242.373 µg/L	1211.87 µg/L
2	Ba 455.403	173409.6	162183.5	246.027 µg/L	1230.13 µg/L
2	Be 234.861	2424.5	2267.6	24.8082 µg/L	124.041 µg/L
2	Ca 315.887	153853.6	143893.6	14.6353 mg/L	73.1767 mg/L
2	Cd 214.438	1770.3	1655.7	249.619 µg/L	1248.10 µg/L
2	Ce 413.765	-284.5	-266.0	-8.58689 µg/L	-0.0429345 mg/L
2	Co 228.616	845.4	790.7	248.604 µg/L	1243.02 µg/L
2	Cr 205.560	354.9	331.9	257.653 µg/L	1288.26 µg/L
2	Cu 327.394	3677.8	3439.7	243.794 µg/L	1218.97 µg/L
2	Fe 238.204	6230.2	5826.9	645.661 µg/L	3228.30 µg/L
2	K 766.514	44428.4	41552.2	12.2542 mg/L	61.2708 mg/L
2	Li 670.781	41385.7	38706.5	241.592 µg/L	1207.96 µg/L
2	Mg 279.074	16879.8	15787.0	12.9200 mg/L	64.6000 mg/L
2	Mn 257.610	21224.0	19850.1	270.922 µg/L	1354.61 µg/L
2	Mo 202.031	183.0	171.2	254.402 µg/L	1272.01 µg/L
2	Na 589.594	228630.3	213829.4	14.2558 mg/L	71.2792 mg/L
2	Ni 231.603	535.4	500.8	247.994 µg/L	1239.97 µg/L
2	Pb 220.353	66.1	61.9	248.336 µg/L	1241.68 µg/L
2	Sb 206.831	251.7	235.4	1221.63 µg/L	6108.13 µg/L
2	Se 196.026	256.0	239.4	1350.48 µg/L	6752.40 µg/L
2	Si 251.611	10737.3	10042.2	1958.17 µg/L	9790.84 µg/L
2	Sn 189.933	133.9	125.3	1315.10 µg/L	6575.51 µg/L
2	Sr 407.771	376720.6	352332.7	251.021 µg/L	1255.11 µg/L
2	Ti 334.941	26682.1	24954.7	259.558 µg/L	1297.79 µg/L
2	Tl 190.800	240.2	224.7	1278.77 µg/L	6393.83 µg/L
2	V 292.402	3694.3	3455.1	245.794 µg/L	1228.97 µg/L
2	Zn 206.200	587.2	549.2	254.544 µg/L	1272.72 µg/L

KW 2-8-10

Mean Data

ID: 1000900-PS2 Seq. No.: 3 Sample No.: 3 A/S Pos: 51
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 5.0
Data: Original Date: 2/8/10 11:35:23 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	425763.6	107.1	0.27	µg/L				0.25%
Y 360.064	263362.0	108.5	0.30	µg/L				0.27%
Ag 328.068	5972.1	243.271	0.3002	µg/L	1216.35	1.501	µg/L	0.12%
Al 396.140	11598.2	1541.53	3.579	µg/L	7707.63	17.895	µg/L	0.23%
As 188.979	216.8	1221.12	34.045	µg/L	6105.62	170.223	µg/L	2.79%
B 249.773	2672.4	241.299	1.5188	µg/L	1206.50	7.594	µg/L	0.63%
Ba 455.403	161543.4	244.999	1.4533	µg/L	1224.99	7.266	µg/L	0.59%
Be 234.861	2253.0	24.6415	0.23584	µg/L	123.207	1.1792	µg/L	0.96%
Ca 315.887	143421.1	14.5874	0.06779	mg/L	72.9370	0.33894	mg/L	0.46%
Cd 214.438	1658.6	250.079	0.6502	µg/L	1250.39	3.251	µg/L	0.26%
Ce 413.765	-255.2	-6.89581	2.391557	µg/L	-0.0344790	0.01195778	mg/L	34.68%
Co 228.616	782.7	246.140	3.4843	µg/L	1230.70	17.422	µg/L	1.42%
Cr 205.560	331.2	257.000	0.9229	µg/L	1285.00	4.615	µg/L	0.36%

Cu 327.394	3469.5	245.878	2.9470 µg/L	1229.39	14.735 µg/L	1.20%
Fe 238.204	5813.8	644.193	2.0761 µg/L	3220.96	10.381 µg/L	0.32%
K 766.514	41482.5	12.2325	0.03061 mg/L	61.1626	0.15303 mg/L	0.25%
Li 670.781	38614.7	241.010	0.8238 µg/L	1205.05	4.119 µg/L	0.34%
Mg 279.074	15744.2	12.8849	0.04965 mg/L	64.4245	0.24827 mg/L	0.39%
Mn 257.610	19830.4	270.654	0.3787 µg/L	1353.27	1.894 µg/L	0.14%
Mo 202.031	168.6	250.464	5.5690 µg/L	1252.32	27.845 µg/L	2.22%
Na 589.594	213053.6	14.2033	0.07426 mg/L	71.0167	0.37130 mg/L	0.52%
Ni 231.603	503.7	249.733	2.4581 µg/L	1248.66	12.291 µg/L	0.98%
Pb 220.353	59.6	239.664	12.2637 µg/L	1198.32	61.318 µg/L	5.12%
Sb 206.831	238.9	1239.65	25.484 µg/L	6198.23	127.420 µg/L	2.06%
Se 196.026	231.7	1291.26	83.749 µg/L	6456.30	418.747 µg/L	6.49%
Si 251.611	10011.4	1951.44	9.520 µg/L	9757.18	47.598 µg/L	0.49%
Sn 189.933	125.5	1318.09	4.228 µg/L	6590.46	21.142 µg/L	0.32%
Sr 407.771	350978.1	250.046	1.3788 µg/L	1250.23	6.894 µg/L	0.55%
Ti 334.941	24967.6	259.701	0.2017 µg/L	1298.50	1.009 µg/L	0.08%
Tl 190.800	227.1	1293.69	21.104 µg/L	6468.45	105.520 µg/L	1.63%
V 292.402	3465.9	246.501	1.0006 µg/L	1232.51	5.003 µg/L	0.41%
Zn 206.200	549.3	254.608	0.0910 µg/L	1273.04	0.455 µg/L	0.04%

Replicate Data

ID: 1002041-01 Date: 2/8/10 11:38:44 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	425883.2	425883.2	107.1	µg/L		
1	Y 360.064	264326.3	264326.3	108.9	µg/L		
1	Ag 328.068	11.8	11.0	1.29813	µg/L	12.9813	µg/L
1	Al 396.140	-92.0	-85.9	-18.8706	µg/L	-188.706	µg/L
1	As 188.979	19.9	18.5	58.8046	µg/L	588.046	µg/L
1	B 249.773	239.9	223.9	-4.96121	µg/L	-49.6121	µg/L
1	Ba 455.403	15676.3	14631.1	9.14765	µg/L	91.4765	µg/L
1	Be 234.861	102.8	96.0	-0.148211	µg/L	-1.48211	µg/L
1	Ca 315.887	96613.4	90172.1	9.18335	mg/L	91.8335	mg/L
1	Cd 214.438	44.8	41.8	-0.606049	µg/L	-6.06049	µg/L
1	Ce 413.765	-283.7	-264.8	-8.39529	µg/L	-0.0839529	mg/L
1	Co 228.616	-16.7	-15.6	-0.861290	µg/L	-8.61290	µg/L
1	Cr 205.560	57.4	53.6	4.48702	µg/L	44.8702	µg/L
1	Cu 327.394	-119.0	-111.1	-4.36499	µg/L	-43.6499	µg/L
1	Fe 238.204	4088.3	3815.7	419.173	µg/L	4191.73	µg/L
1	K 766.514	3092.1	2886.0	0.245890	mg/L	2.45890	mg/L
1	Li 670.781	309.7	289.1	-2.27783	µg/L	-22.7783	µg/L
1	Mg 279.074	3132.2	2923.4	2.38502	mg/L	23.8502	mg/L
1	Mn 257.610	3621.4	3380.0	47.0155	µg/L	470.155	µg/L
1	Mo 202.031	1.0	1.0	-8.44123	µg/L	-84.4123	µg/L
1	Na 589.594	78020.8	72819.1	4.70990	mg/L	47.0990	mg/L
1	Ni 231.603	88.9	83.0	0.315507	µg/L	3.15507	µg/L
1	Pb 220.353	-1.0	-0.9	11.5043	µg/L	115.043	µg/L
1	Sb 206.831	-9.8	-9.1	-44.2310	µg/L	-442.310	µg/L
1	Se 196.026	62.1	58.0	-38.6066	µg/L	-386.066	µg/L
1	Si 251.611	3708.1	3460.9	517.019	µg/L	5170.19	µg/L
1	Sn 189.933	-4.5	-4.2	-11.6956	µg/L	-116.956	µg/L
1	Sr 407.771	25417.1	23722.5	14.5016	µg/L	145.016	µg/L
1	Ti 334.941	1685.9	1573.5	-0.654818	µg/L	-6.54818	µg/L
1	Tl 190.800	14.7	13.8	-23.4770	µg/L	-234.770	µg/L
1	V 292.402	-313.4	-292.5	-1.58750	µg/L	-15.8750	µg/L
1	Zn 206.200	-1.9	-1.7	-2.49546	µg/L	-24.9546	µg/L
2	Sc 357.253	426847.6	426847.6	107.4	µg/L		
2	Y 360.064	265520.2	265520.2	109.4	µg/L		
2	Ag 328.068	-26.9	-25.0	-0.164141	µg/L	-1.64141	µg/L
2	Al 396.140	-173.3	-161.4	-28.9591	µg/L	-289.591	µg/L
2	As 188.979	2.7	2.5	-35.1021	µg/L	-351.021	µg/L
2	B 249.773	231.3	215.4	-5.81957	µg/L	-58.1957	µg/L
2	Ba 455.403	15716.9	14635.9	9.15531	µg/L	91.5531	µg/L
2	Be 234.861	85.0	79.2	-0.341114	µg/L	-3.41114	µg/L
2	Ca 315.887	98224.6	91468.8	9.31493	mg/L	93.1493	mg/L
2	Cd 214.438	46.8	43.6	-0.332846	µg/L	-3.32846	µg/L
2	Ce 413.765	-259.1	-241.3	-4.72844	µg/L	-0.0472844	mg/L
2	Co 228.616	-16.1	-15.0	-0.675856	µg/L	-6.75856	µg/L
2	Cr 205.560	59.8	55.7	6.42399	µg/L	64.2399	µg/L

2	Cu 327.394	-87.3	-81.3	-2.28168 µg/L	-22.8168 µg/L
2	Fe 238.204	4055.9	3776.9	414.804 µg/L	4148.04 µg/L
2	K 766.514	2889.6	2690.8	0.185293 mg/L	1.85293 mg/L
2	Li 670.781	186.6	173.8	-3.00973 µg/L	-30.0973 µg/L
2	Mg 279.074	3139.4	2923.5	2.38510 mg/L	23.8510 mg/L
2	Mn 257.610	3679.0	3426.0	47.6406 µg/L	476.406 µg/L
2	Mo 202.031	1.0	0.9	-8.51723 µg/L	-85.1723 µg/L
2	Na 589.594	78772.6	73354.7	4.74616 mg/L	47.4616 mg/L
2	Ni 231.603	77.9	72.5	-5.88111 µg/L	-58.8111 µg/L
2	Pb 220.353	-5.7	-5.3	-4.96228 µg/L	-49.6228 µg/L
2	Sb 206.831	3.7	3.4	20.6578 µg/L	206.578 µg/L
2	Se 196.026	78.0	72.7	73.7324 µg/L	737.324 µg/L
2	Si 251.611	3710.3	3455.1	515.756 µg/L	5157.56 µg/L
2	Sn 189.933	-4.9	-4.6	-15.9704 µg/L	-159.704 µg/L
2	Sr 407.771	25868.5	24089.3	14.7656 µg/L	147.656 µg/L
2	Ti 334.941	1782.2	1659.6	0.302780 µg/L	3.02780 µg/L
2	Tl 190.800	17.7	16.5	-6.44311 µg/L	-64.4311 µg/L
2	V 292.402	-288.0	-268.2	0.0178056 µg/L	0.178056 µg/L
2	Zn 206.200	-5.0	-4.7	-3.86107 µg/L	-38.6107 µg/L

Mean Data

ID: 1002041-01 Seq. No.: 4 Sample No.: 4 A/S Pos: 52
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 10.0
Data: Original Date: 2/8/10 11:38:44 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	426365.4	107.3	0.17	µg/L				0.16%
Y 360.064	264923.2	109.2	0.35	µg/L				0.32%
Ag 328.068	-7.0	0.566995	1.0339821	µg/L	5.66995	10.339821	µg/L	182.36%
Al 396.140	-123.6	-23.9149	7.13370	µg/L	-239.149	71.3370	µg/L	29.83%
As 188.979	10.5	11.8512	66.40206	µg/L	118.512	664.0206	µg/L	560.30%
B 249.773	219.6	-5.39039	0.606953	µg/L	-53.9039	6.06953	µg/L	11.26%
Ba 455.403	14633.5	9.15148	0.005416	µg/L	91.5148	0.05416	µg/L	0.06%
Be 234.861	87.6	-0.244662	0.1364030	µg/L	-2.44662	1.364030	µg/L	55.75%
Ca 315.887	90820.5	9.24914	0.093045	mg/L	92.4914	0.93045	mg/L	1.01%
Cd 214.438	42.7	-0.469447	0.1931839	µg/L	-4.69447	1.931839	µg/L	41.15%
Ce 413.765	-253.1	-6.56187	2.592852	µg/L	-0.0656187	0.02592852	mg/L	39.51%
Co 228.616	-15.3	-0.768573	0.1311213	µg/L	-7.68573	1.311213	µg/L	17.06%
Cr 205.560	54.7	5.45550	1.369648	µg/L	54.5550	13.69648	µg/L	25.11%
Cu 327.394	-96.2	-3.32333	1.473123	µg/L	-33.2333	14.73123	µg/L	44.33%
Fe 238.204	3796.3	416.989	3.0889	µg/L	4169.89	30.889	µg/L	0.74%
K 766.514	2788.4	0.215592	0.0428488	mg/L	2.15592	0.428488	mg/L	19.87%
Li 670.781	231.4	-2.64378	0.517531	µg/L	-26.4378	5.17531	µg/L	19.58%
Mg 279.074	2923.4	2.38506	0.000058	mg/L	23.8506	0.00058	mg/L	0.00%
Mn 257.610	3403.0	47.3281	0.44200	µg/L	473.281	4.4200	µg/L	0.93%
Mo 202.031	0.9	-8.47923	0.053739	µg/L	-84.7923	0.53739	µg/L	0.63%
Na 589.594	73086.9	4.72803	0.025637	mg/L	47.2803	0.25637	mg/L	0.54%
Ni 231.603	77.8	-2.78280	4.381668	µg/L	-27.8280	43.81668	µg/L	157.46%
Pb 220.353	-3.1	3.27102	11.643642	µg/L	32.7102	116.43642	µg/L	355.96%
Sb 206.831	-2.8	-11.7866	45.88336	µg/L	-117.866	458.8336	µg/L	389.28%
Se 196.026	65.3	17.5629	79.43569	µg/L	175.629	794.3569	µg/L	452.29%
Si 251.611	3458.0	516.388	0.8927	µg/L	5163.88	8.927	µg/L	0.17%
Sn 189.933	-4.4	-13.8330	3.02277	µg/L	-138.330	30.2277	µg/L	21.85%
Sr 407.771	23905.9	14.6336	0.18665	µg/L	146.336	1.8665	µg/L	1.28%
Ti 334.941	1616.6	-0.176019	0.6771239	µg/L	-1.76019	6.771239	µg/L	384.69%
Tl 190.800	15.1	-14.9601	12.04481	µg/L	-149.601	120.4481	µg/L	80.51%
V 292.402	-280.3	-0.784845	1.1351196	µg/L	-7.84845	11.351196	µg/L	144.63%
Zn 206.200	-3.2	-3.17827	0.965633	µg/L	-31.7827	9.65633	µg/L	30.38%

Replicate Data

ID: 0B08007-SRD2 Date: 2/8/10 11:42:04 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	417042.2	417042.2	104.9	µg/L		
1	Y 360.064	258522.3	258522.3	106.5	µg/L		
1	Ag 328.068	25.7	24.5	1.84604	µg/L	92.3022	µg/L
1	Al 396.140	-79.3	-75.6	-17.5017	µg/L	-875.084	µg/L
1	As 188.979	-0.3	-0.3	-51.6250	µg/L	-2581.25	µg/L
1	B 249.773	174.0	165.8	-10.8025	µg/L	-540.123	µg/L

1	Ba 455.403	9854.4	9392.4	0.737515 µg/L	36.8757 µg/L	
1	Be 234.861	80.5	76.7	-0.370052 µg/L	-18.5026 µg/L	
1	Ca 315.887	19770.5	18843.6	1.94482 mg/L	97.2411 mg/L	
1	Cd 214.438	49.7	47.4	0.249821 µg/L	12.4911 µg/L	
1	Ce 413.765	-171.9	-163.9	7.34887 µg/L	0.367444 mg/L	
1	Co 228.616	-3.1	-3.0	3.03960 µg/L	151.980 µg/L	
1	Cr 205.560	58.0	55.3	6.04752 µg/L	302.376 µg/L	
1	Cu 327.394	-35.8	-34.1	1.01521 µg/L	50.7603 µg/L	
1	Fe 238.204	902.5	860.2	86.3345 µg/L	4316.72 µg/L	
1	K 766.514	2178.1	2076.0	-0.0060965 mg/L	-0.304823 mg/L	
1	Li 670.781	271.8	259.1	-2.46834 µg/L	-123.417 µg/L	
1	Mg 279.074	657.4	626.6	0.502776 mg/L	25.1388 mg/L	
1	Mn 257.610	574.7	547.7	8.51117 µg/L	425.559 µg/L	
1	Mo 202.031	4.4	4.2	-3.37784 µg/L	-168.892 µg/L	
1	Na 589.594	18128.0	17278.0	0.950354 mg/L	47.5177 mg/L	
1	Ni 231.603	107.2	102.1	11.6589 µg/L	582.945 µg/L	
1	Pb 220.353	-8.8	-8.4	-16.8061 µg/L	-840.305 µg/L	
1	Sb 206.831	11.9	11.4	61.7705 µg/L	3088.53 µg/L	
1	Se 196.026	69.3	66.0	22.9730 µg/L	1148.65 µg/L	
1	Si 251.611	1635.9	1559.2	100.595 µg/L	5029.75 µg/L	
1	Sn 189.933	-0.6	-0.6	25.1127 µg/L	1255.64 µg/L	
1	Sr 407.771	5726.9	5458.4	1.35590 µg/L	67.7952 µg/L	
1	Ti 334.941	1708.4	1628.3	-0.0452822 µg/L	-2.26411 µg/L	
1	Tl 190.800	22.1	21.0	21.4818 µg/L	1074.09 µg/L	
1	V 292.402	-319.0	-304.0	-2.34949 µg/L	-117.475 µg/L	
1	Zn 206.200	-5.4	-5.1	-4.07077 µg/L	-203.539 µg/L	
2	Sc 357.253	417406.0	417406.0	105.0 µg/L		
2	Y 360.064	258660.9	258660.9	106.6 µg/L		
2	Ag 328.068	-87.0	-82.9	-2.51192 µg/L	-125.596 µg/L	
2	Al 396.140	-106.3	-101.3	-20.9264 µg/L	-1046.32 µg/L	
2	As 188.979	15.4	14.7	36.3020 µg/L	1815.10 µg/L	
2	B 249.773	155.1	147.7	-12.6257 µg/L	-631.287 µg/L	
2	Ba 455.403	9898.0	9425.7	0.790931 µg/L	39.5466 µg/L	
2	Be 234.861	104.9	99.9	-0.103534 µg/L	-5.17669 µg/L	
2	Ca 315.887	19974.4	19021.3	1.96286 mg/L	98.1431 mg/L	
2	Cd 214.438	56.6	53.9	1.26674 µg/L	63.3368 µg/L	
2	Ce 413.765	-240.3	-228.8	-2.77863 µg/L	-0.138932 mg/L	
2	Co 228.616	-0.6	-0.6	3.79007 µg/L	189.503 µg/L	
2	Cr 205.560	56.0	53.4	4.25951 µg/L	212.976 µg/L	
2	Cu 327.394	-95.9	-91.3	-2.98446 µg/L	-149.223 µg/L	
2	Fe 238.204	915.0	871.3	87.5888 µg/L	4379.44 µg/L	
2	K 766.514	2118.6	2017.5	-0.0242510 mg/L	-1.21255 mg/L	
2	Li 670.781	267.4	254.7	-2.49611 µg/L	-124.805 µg/L	
2	Mg 279.074	689.6	656.7	0.527479 mg/L	26.3740 mg/L	
2	Mn 257.610	573.5	546.2	8.49009 µg/L	424.505 µg/L	
2	Mo 202.031	8.3	7.9	2.21315 µg/L	110.658 µg/L	
2	Na 589.594	18405.4	17527.2	0.967218 mg/L	48.3609 mg/L	
2	Ni 231.603	102.0	97.1	8.67762 µg/L	433.881 µg/L	
2	Pb 220.353	3.1	3.0	26.1109 µg/L	1305.54 µg/L	
2	Sb 206.831	0.1	0.1	3.37519 µg/L	168.759 µg/L	
2	Se 196.026	76.6	73.0	76.0778 µg/L	3803.89 µg/L	
2	Si 251.611	1631.5	1553.7	99.3865 µg/L	4969.33 µg/L	
2	Sn 189.933	-1.1	-1.1	19.7978 µg/L	989.890 µg/L	
2	Sr 407.771	5770.9	5495.5	1.38258 µg/L	69.1290 µg/L	
2	Ti 334.941	1730.3	1647.7	0.170533 µg/L	8.52664 µg/L	
2	Tl 190.800	16.5	15.7	-11.3908 µg/L	-569.539 µg/L	
2	V 292.402	-277.2	-264.0	0.296625 µg/L	14.8312 µg/L	
2	Zn 206.200	-5.9	-5.6	-4.31353 µg/L	-215.676 µg/L	

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

ID: 0B08007-SRD2 Seq. No.: 5 Sample No.: 5 A/S Pos: 53

Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 50.0

Data: Original Date: 2/8/10 11:42:04 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	417224.1	105.0	0.06	µg/L				0.06%
Y 360.064	258591.6	106.6	0.04	µg/L				0.04%
Ag 328.068	-29.2	-0.332937	3.0815448	µg/L	-16.6469	154.07724	µg/L	925.56%
Al 396.140	-88.4	-19.2140	2.42165	µg/L	-960.702	121.0825	µg/L	12.60%
As 188.979	7.2	-7.66148	62.173746	µg/L	-383.074	3108.6873	µg/L	811.51%

B 249.773	156.8	-11.7141	1.28925 µg/L	-585.705	64.4623 µg/L	11.01%
Ba 455.403	9409.1	0.764223	0.0377709 µg/L	38.2111	1.88854 µg/L	4.94%
Be 234.861	88.3	-0.236793	0.1884566 µg/L	-11.8396	9.42283 µg/L	79.59%
Ca 315.887	18932.5	1.95384	0.012757 mg/L	97.6921	0.63786 mg/L	0.65%
Cd 214.438	50.6	0.758279	0.7190679 µg/L	37.9139	35.95339 µg/L	94.83%
Ce 413.765	-196.3	2.28512	7.161227 µg/L	0.114256	0.3580613 mg/L	313.39%
Co 228.616	-1.8	3.41483	0.530660 µg/L	170.742	26.5330 µg/L	15.54%
Cr 205.560	54.3	5.15352	1.264310 µg/L	257.676	63.2155 µg/L	24.53%
Cu 327.394	-62.7	-0.984626	2.8281906 µg/L	-49.2313	141.40953 µg/L	287.24%
Fe 238.204	865.7	86.9616	0.88693 µg/L	4348.08	44.347 µg/L	1.02%
K 766.514	2046.8	-0.0151737	0.01283718 mg/L	-0.758685	0.6418591 mg/L	84.60%
Li 670.781	256.9	-2.48223	0.019633 µg/L	-124.111	0.9816 µg/L	0.79%
Mg 279.074	641.7	0.515128	0.0174679 mg/L	25.7564	0.87340 mg/L	3.39%
Mn 257.610	546.9	8.50063	0.014907 µg/L	425.032	0.7453 µg/L	0.18%
Mo 202.031	6.0	-0.582342	3.9534243 µg/L	-29.1171	197.67122 µg/L	678.88%
Na 589.594	17402.6	0.958786	0.0119248 mg/L	47.9393	0.59624 mg/L	1.24%
Ni 231.603	99.6	10.1683	2.10808 µg/L	508.413	105.4041 µg/L	20.73%
Pb 220.353	-2.7	4.65239	30.346887 µg/L	232.619	1517.3443 µg/L	652.29%
Sb 206.831	5.7	32.5728	41.29173 µg/L	1628.64	2064.586 µg/L	126.77%
Se 196.026	69.5	49.5254	37.55082 µg/L	2476.27	1877.541 µg/L	75.82%
Si 251.611	1556.4	99.9907	0.85447 µg/L	4999.54	42.724 µg/L	0.85%
Sn 189.933	-0.8	22.4553	3.75821 µg/L	1122.76	187.910 µg/L	16.74%
Sr 407.771	5477.0	1.36924	0.018864 µg/L	68.4621	0.94318 µg/L	1.38%
Ti 334.941	1638.0	0.0626253	0.15260425 µg/L	3.13126	7.630212 µg/L	243.68%
Tl 190.800	18.4	5.04553	23.244445 µg/L	252.277	1162.2222 µg/L	460.69%
V 292.402	-284.0	-1.02643	1.871088 µg/L	-51.3217	93.55441 µg/L	182.29%
Zn 206.200	-5.4	-4.19215	0.171655 µg/L	-209.607	8.5828 µg/L	4.09%

Replicate Data

ID: 1000974-PS2 Date: 2/8/10 11:45:27 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	422626.3	422626.3	106.3	µg/L		
1	Y 360.064	261175.6	261175.6	107.6	µg/L		
1	Ag 328.068	6482.5	6097.0	248.341	µg/L	2483.41	µg/L
1	Al 396.140	9831.1	9246.3	1227.43	µg/L	12274.3	µg/L
1	As 188.979	223.1	209.8	1180.37	µg/L	11803.7	µg/L
1	B 249.773	2748.2	2584.8	232.485	µg/L	2324.85	µg/L
1	Ba 455.403	175496.1	165057.9	250.641	µg/L	2506.41	µg/L
1	Be 234.861	2403.4	2260.4	24.7264	µg/L	247.264	µg/L
1	Ca 315.887	227946.0	214388.3	21.7896	mg/L	217.896	mg/L
1	Cd 214.438	1758.8	1654.2	249.384	µg/L	2493.84	µg/L
1	Ce 413.765	-242.3	-227.9	-2.64048	µg/L	-0.0264048	mg/L
1	Co 228.616	829.8	780.5	245.441	µg/L	2454.41	µg/L
1	Cr 205.560	363.3	341.7	266.500	µg/L	2665.00	µg/L
1	Cu 327.394	3672.6	3454.1	244.804	µg/L	2448.04	µg/L
1	Fe 238.204	6446.3	6062.9	672.244	µg/L	6722.44	µg/L
1	K 766.514	44642.5	41987.3	12.3897	mg/L	123.897	mg/L
1	Li 670.781	41014.6	38575.2	240.759	µg/L	2407.59	µg/L
1	Mg 279.074	19721.4	18548.4	15.1824	mg/L	151.824	mg/L
1	Mn 257.610	23323.2	21936.0	299.280	µg/L	2992.80	µg/L
1	Mo 202.031	177.5	167.0	247.960	µg/L	2479.60	µg/L
1	Na 589.594	269939.9	253884.5	16.9677	mg/L	169.677	mg/L
1	Ni 231.603	520.4	489.4	241.264	µg/L	2412.64	µg/L
1	Pb 220.353	77.8	73.2	291.114	µg/L	2911.14	µg/L
1	Sb 206.831	259.7	244.3	1267.53	µg/L	12675.3	µg/L
1	Se 196.026	259.8	244.4	1388.35	µg/L	13883.5	µg/L
1	Si 251.611	9946.3	9354.8	1807.64	µg/L	18076.4	µg/L
1	Sn 189.933	131.3	123.5	1296.96	µg/L	12969.6	µg/L
1	Sr 407.771	390463.0	367239.1	261.750	µg/L	2617.50	µg/L
1	Ti 334.941	25940.5	24397.6	253.358	µg/L	2533.58	µg/L
1	Tl 190.800	228.3	214.7	1217.34	µg/L	12173.4	µg/L
1	V 292.402	3711.1	3490.4	248.121	µg/L	2481.21	µg/L
1	Zn 206.200	573.5	539.4	249.989	µg/L	2499.89	µg/L
2	Sc 357.253	421998.0	421998.0	106.2	µg/L		
2	Y 360.064	260990.8	260990.8	107.5	µg/L		
2	Ag 328.068	6441.2	6067.1	247.130	µg/L	2471.30	µg/L
2	Al 396.140	9753.2	9186.7	1219.47	µg/L	12194.7	µg/L
2	As 188.979	233.8	220.2	1241.12	µg/L	12411.2	µg/L

2 B 249.773	2779.4	2618.0	235.823 µg/L	2358.23 µg/L	
2 Ba 455.403	177357.9	167057.4	253.851 µg/L	2538.51 µg/L	
2 Be 234.861	2425.5	2284.6	25.0041 µg/L	250.041 µg/L	
2 Ca 315.887	230731.8	217331.4	22.0882 mg/L	220.882 mg/L	
2 Cd 214.438	1767.3	1664.6	251.010 µg/L	2510.10 µg/L	
2 Ce 413.765	-272.9	-257.1	-7.18711 µg/L	-0.0718711 mg/L	
2 Co 228.616	832.5	784.2	246.586 µg/L	2465.86 µg/L	
2 Cr 205.560	360.4	339.5	264.545 µg/L	2645.45 µg/L	
2 Cu 327.394	3676.8	3463.3	245.445 µg/L	2454.45 µg/L	
2 Fe 238.204	6520.9	6142.2	681.169 µg/L	6811.69 µg/L	
2 K 766.514	45214.3	42588.4	12.5763 mg/L	125.763 mg/L	
2 Li 670.781	41105.6	38718.3	241.668 µg/L	2416.68 µg/L	
2 Mg 279.074	19790.9	18641.5	15.2586 mg/L	152.586 mg/L	
2 Mn 257.610	23377.6	22019.9	300.421 µg/L	3004.21 µg/L	
2 Mo 202.031	189.5	178.5	265.806 µg/L	2658.06 µg/L	
2 Na 589.594	272431.6	256609.5	17.1521 mg/L	171.521 mg/L	
2 Ni 231.603	541.0	509.6	253.194 µg/L	2531.94 µg/L	
2 Pb 220.353	70.7	66.6	266.136 µg/L	2661.36 µg/L	
2 Sb 206.831	256.7	241.8	1254.54 µg/L	12545.4 µg/L	
2 Se 196.026	244.5	230.3	1280.55 µg/L	12805.5 µg/L	
2 Si 251.611	9980.6	9401.0	1817.76 µg/L	18177.6 µg/L	
2 Sn 189.933	132.2	124.5	1307.28 µg/L	13072.8 µg/L	
2 Sr 407.771	394525.4	371612.3	264.898 µg/L	2648.98 µg/L	
2 Ti 334.941	26092.7	24577.3	255.357 µg/L	2553.57 µg/L	
2 Tl 190.800	230.9	217.5	1234.52 µg/L	12345.2 µg/L	
2 V 292.402	3672.3	3459.0	246.050 µg/L	2460.50 µg/L	
2 Zn 206.200	571.5	538.3	249.493 µg/L	2494.93 µg/L	

Mean Data

ID: 1000974-PS2 Seq. No.: 6 Sample No.: 6 A/S Pos: 54
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 10.0
Data: Original Date: 2/8/10 11:45:27 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Sc 357.253	422312.2	106.2	0.11	µg/L				0.11%
Y 360.064	261083.2	107.6	0.05	µg/L				0.05%
Ag 328.068	6082.0	247.736	0.8564	µg/L	2477.36	8.564	µg/L	0.35%
Al 396.140	9216.5	1223.45	5.629	µg/L	12234.5	56.29	µg/L	0.46%
As 188.979	215.0	1210.74	42.959	µg/L	12107.4	429.59	µg/L	3.55%
B 249.773	2601.4	234.154	2.3609	µg/L	2341.54	23.609	µg/L	1.01%
Ba 455.403	166057.6	252.246	2.2697	µg/L	2522.46	22.697	µg/L	0.90%
Be 234.861	2272.5	24.8652	0.19635	µg/L	248.652	1.9635	µg/L	0.79%
Ca 315.887	215859.8	21.9389	0.21117	mg/L	219.389	2.1117	mg/L	0.96%
Cd 214.438	1659.4	250.197	1.1499	µg/L	2501.97	11.499	µg/L	0.46%
Ce 413.765	-242.5	-4.91380	3.214955	µg/L	-0.0491380	0.03214955	mg/L	65.43%
Co 228.616	782.3	246.013	0.8097	µg/L	2460.13	8.097	µg/L	0.33%
Cr 205.560	340.6	265.522	1.3819	µg/L	2655.22	13.819	µg/L	0.52%
Cu 327.394	3458.7	245.124	0.4533	µg/L	2451.24	4.533	µg/L	0.18%
Fe 238.204	6102.5	676.707	6.3111	µg/L	6767.07	63.111	µg/L	0.93%
K 766.514	42287.8	12.4830	0.13199	mg/L	124.830	1.3199	mg/L	1.06%
Li 670.781	38646.7	241.213	0.6425	µg/L	2412.13	6.425	µg/L	0.27%
Mg 279.074	18595.0	15.2205	0.05391	mg/L	152.205	0.5391	mg/L	0.35%
Mn 257.610	21978.0	299.850	0.8067	µg/L	2998.50	8.067	µg/L	0.27%
Mo 202.031	172.8	256.883	12.6186	µg/L	2568.83	126.186	µg/L	4.91%
Na 589.594	255247.0	17.0599	0.13041	mg/L	170.599	1.3041	mg/L	0.76%
Ni 231.603	499.5	247.229	8.4360	µg/L	2472.29	84.360	µg/L	3.41%
Pb 220.353	69.9	278.625	17.6621	µg/L	2786.25	176.621	µg/L	6.34%
Sb 206.831	243.0	1261.04	9.184	µg/L	12610.4	91.84	µg/L	0.73%
Se 196.026	237.4	1334.45	76.225	µg/L	13344.5	762.25	µg/L	5.71%
Si 251.611	9377.9	1812.70	7.155	µg/L	18127.0	71.55	µg/L	0.39%
Sn 189.933	124.0	1302.12	7.296	µg/L	13021.2	72.96	µg/L	0.56%
Sr 407.771	369425.7	263.324	2.2257	µg/L	2633.24	22.257	µg/L	0.85%
Ti 334.941	24487.5	254.358	1.4135	µg/L	2543.58	14.135	µg/L	0.56%
Tl 190.800	216.1	1225.93	12.147	µg/L	12259.3	121.47	µg/L	0.99%
V 292.402	3474.7	247.085	1.4646	µg/L	2470.85	14.646	µg/L	0.59%
Zn 206.200	538.9	249.741	0.3508	µg/L	2497.41	3.508	µg/L	0.14%

Replicate Data

ID: 0B08006-CCV Date: 2/8/10 11:48:53 AM

	Net	Corrected	Calib	Sample

Repl#	Element	Intensity	Intensity	Conc.	Units	Conc. Units
1	Sc 357.253	429186.4	429186.4	108.0	µg/L	
1	Y 360.064	265929.2	265929.2	109.6	µg/L	
1	Ag 328.068	13241.7	12263.8	498.665	µg/L	
1	Al 396.140	20255.4	18759.4	2497.90	µg/L	
1	As 188.979	473.3	438.3	2520.08	µg/L	
1	B 249.773	5465.4	5061.8	481.608	µg/L	
1	Ba 455.403	342450.7	317159.5	494.823	µg/L	
1	Be 234.861	4836.0	4478.9	50.2213	µg/L	
1	Ca 315.887	53853.9	49876.6	5.09191	mg/L	
1	Cd 214.438	3592.8	3327.5	508.838	µg/L	
1	Ce 413.765	-172.3	-159.5	8.02073	µg/L	
1	Co 228.616	1762.2	1632.1	508.925	µg/L	
1	Cr 205.560	657.9	609.3	509.982	µg/L	
1	Cu 327.394	7671.2	7104.7	499.938	µg/L	
1	Fe 238.204	4961.7	4595.3	506.963	µg/L	
1	K 766.514	19291.5	17866.7	4.89840	mg/L	
1	Li 670.781	84570.4	78324.6	493.085	µg/L	
1	Mg 279.074	6823.0	6319.1	5.16464	mg/L	
1	Mn 257.610	40205.9	37236.5	507.287	µg/L	
1	Mo 202.031	360.8	334.2	506.151	µg/L	
1	Na 589.594	82919.6	76795.7	4.97794	mg/L	
1	Ni 231.603	1028.4	952.4	515.754	µg/L	
1	Pb 220.353	144.4	133.8	519.723	µg/L	
1	Sb 206.831	514.6	476.6	2470.34	µg/L	
1	Se 196.026	432.2	400.3	2581.47	µg/L	
1	Si 251.611	13236.7	12259.1	2443.63	µg/L	
1	Sn 189.933	282.4	261.5	2712.32	µg/L	
1	Sr 407.771	757885.0	701912.5	502.634	µg/L	
1	Ti 334.941	50410.4	46687.5	501.425	µg/L	
1	Tl 190.800	478.2	442.9	2626.47	µg/L	
1	V 292.402	8046.1	7451.9	509.616	µg/L	
1	Zn 206.200	1185.3	1097.8	510.521	µg/L	
2	Sc 357.253	429990.3	429990.3	108.2	µg/L	
2	Y 360.064	266442.7	266442.7	109.8	µg/L	
2	Ag 328.068	13392.2	12380.0	503.383	µg/L	
2	Al 396.140	20517.0	18966.2	2525.52	µg/L	
2	As 188.979	466.1	430.9	2476.51	µg/L	
2	B 249.773	5650.2	5223.1	497.834	µg/L	
2	Ba 455.403	345647.8	319522.0	498.616	µg/L	
2	Be 234.861	4870.1	4502.0	50.4873	µg/L	
2	Ca 315.887	54167.8	50073.6	5.11187	mg/L	
2	Cd 214.438	3603.5	3331.1	509.399	µg/L	
2	Ce 413.765	-185.1	-171.1	6.21991	µg/L	
2	Co 228.616	1751.6	1619.2	504.941	µg/L	
2	Cr 205.560	669.0	618.5	518.279	µg/L	
2	Cu 327.394	7715.2	7132.1	501.853	µg/L	
2	Fe 238.204	5007.5	4629.0	510.764	µg/L	
2	K 766.514	19513.8	18038.9	4.95187	mg/L	
2	Li 670.781	85231.7	78789.5	496.036	µg/L	
2	Mg 279.074	6912.4	6389.9	5.22269	mg/L	
2	Mn 257.610	40633.7	37562.4	511.717	µg/L	
2	Mo 202.031	371.0	342.9	519.682	µg/L	
2	Na 589.594	83643.1	77320.9	5.01346	mg/L	
2	Ni 231.603	1021.2	944.0	510.753	µg/L	
2	Pb 220.353	148.2	137.0	531.971	µg/L	
2	Sb 206.831	528.7	488.7	2532.84	µg/L	
2	Se 196.026	447.2	413.4	2682.19	µg/L	
2	Si 251.611	13438.4	12422.6	2479.43	µg/L	
2	Sn 189.933	281.0	259.8	2694.03	µg/L	
2	Sr 407.771	764848.7	707037.6	506.323	µg/L	
2	Ti 334.941	50947.0	47096.2	505.974	µg/L	
2	Tl 190.800	464.4	429.3	2542.14	µg/L	
2	V 292.402	8038.8	7431.2	508.251	µg/L	
2	Zn 206.200	1199.7	1109.0	515.764	µg/L	

Mean Data

ID: 0B08006-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: 2/8/10 11:48:53 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Sc 357.253	429588.3	108.1	0.14	µg/L				0.13%
Y 360.064	266186.0	109.7	0.15	µg/L				0.14%
Ag 328.068	12321.9	501.024	3.3357	µg/L				0.67%
Al 396.140	18862.8	2511.71	19.528	µg/L				0.78%
As 188.979	434.6	2498.30	30.809	µg/L				1.23%
B 249.773	5142.4	489.721	11.4738	µg/L				2.34%
Ba 455.403	318340.7	496.720	2.6818	µg/L				0.54%
Be 234.861	4490.4	50.3543	0.18812	µg/L				0.37%
Ca 315.887	49975.1	5.10189	0.014119	mg/L				0.28%
Cd 214.438	3329.3	509.118	0.3972	µg/L				0.08%
Ce 413.765	-165.3	7.12032	1.273377	µg/L				17.88%
Co 228.616	1625.7	506.933	2.8169	µg/L				0.56%
Cr 205.560	613.9	514.131	5.8666	µg/L				1.14%
Cu 327.394	7118.4	500.895	1.3541	µg/L				0.27%
Fe 238.204	4612.1	508.864	2.6878	µg/L				0.53%
K 766.514	17952.8	4.92513	0.037808	mg/L				0.77%
Li 670.781	78557.0	494.560	2.0868	µg/L				0.42%
Mg 279.074	6354.5	5.19366	0.041045	mg/L				0.79%
Mn 257.610	37399.5	509.502	3.1323	µg/L				0.61%
Mo 202.031	338.6	512.917	9.5677	µg/L				1.87%
Na 589.594	77058.3	4.99570	0.025114	mg/L				0.50%
Ni 231.603	948.2	513.254	3.5362	µg/L				0.69%
Pb 220.353	135.4	525.847	8.6602	µg/L				1.65%
Sb 206.831	482.7	2501.59	44.198	µg/L				1.77%
Se 196.026	406.8	2631.83	71.216	µg/L				2.71%
Si 251.611	12340.9	2461.53	25.314	µg/L				1.03%
Sn 189.933	260.7	2703.17	12.931	µg/L				0.48%
Sr 407.771	704475.0	504.479	2.6084	µg/L				0.52%
Ti 334.941	46891.8	503.699	3.2163	µg/L				0.64%
Tl 190.800	436.1	2584.31	59.630	µg/L				2.31%
V 292.402	7441.5	508.934	0.9653	µg/L				0.19%
Zn 206.200	1103.4	513.143	3.7077	µg/L				0.72%

Replicate Data

ID: 0B08006-CCB Date: 2/8/10 11:52:17 AM

Repl#	Element	Net Intensity	Corrected Intensity	Calib Conc.	Units	Sample Conc.	Units
1	Sc 357.253	421188.8	421188.8	106.0	µg/L		
1	Y 360.064	261167.2	261167.2	107.6	µg/L		
1	Ag 328.068	-122.9	-116.0	-3.85835	µg/L		
1	Al 396.140	-187.3	-176.7	-31.0049	µg/L		
1	As 188.979	-7.7	-7.3	-92.5317	µg/L		
1	B 249.773	189.9	179.2	-9.45878	µg/L		
1	Ba 455.403	8341.6	7872.2	-1.70299	µg/L		
1	Be 234.861	96.6	91.1	-0.203962	µg/L		
1	Ca 315.887	120.5	113.8	0.0440927	mg/L		
1	Cd 214.438	38.0	35.8	-1.53652	µg/L		
1	Ce 413.765	-153.3	-144.7	10.3330	µg/L		
1	Co 228.616	-13.8	-13.0	-0.0540717	µg/L		
1	Cr 205.560	55.6	52.4	3.43235	µg/L		
1	Cu 327.394	-37.6	-35.5	0.917258	µg/L		
1	Fe 238.204	118.5	111.9	2.06317	µg/L		
1	K 766.514	2057.5	1941.8	-0.0477747	mg/L		
1	Li 670.781	324.8	306.5	-2.16700	µg/L		
1	Mg 279.074	-8.3	-7.8	-0.0167777	mg/L		
1	Mn 257.610	-174.8	-164.9	-1.17692	µg/L		
1	Mo 202.031	9.4	8.9	3.77101	µg/L		
1	Na 589.594	2817.7	2659.2	-0.0391893	mg/L		
1	Ni 231.603	94.9	89.6	4.23061	µg/L		
1	Pb 220.353	0.6	0.5	16.8853	µg/L		
1	Sb 206.831	6.2	5.9	33.2261	µg/L		
1	Se 196.026	70.1	66.2	23.9868	µg/L		
1	Si 251.611	1143.1	1078.7	-4.61375	µg/L		
1	Sn 189.933	-5.6	-5.2	-22.7730	µg/L		
1	Sr 407.771	632.0	596.5	-2.14354	µg/L		
1	Ti 334.941	1751.1	1652.5	0.224289	µg/L		
1	Tl 190.800	6.1	5.8	-72.7983	µg/L		

1 V 292.402	-326.4	-308.0	-2.60958	µg/L
1 Zn 206.200	4.3	4.1	0.226102	µg/L
2 Sc 357.253	419172.5	419172.5	105.5	µg/L
2 Y 360.064	259563.4	259563.4	107.0	µg/L
2 Ag 328.068	-55.7	-52.8	-1.29137	µg/L
2 Al 396.140	-316.4	-300.1	-47.4800	µg/L
2 As 188.979	11.3	10.7	13.0024	µg/L
2 B 249.773	198.0	187.8	-8.59395	µg/L
2 Ba 455.403	8301.1	7871.7	-1.70375	µg/L
2 Be 234.861	112.3	106.5	-0.0276385	µg/L
2 Ca 315.887	154.2	146.2	0.0473902	mg/L
2 Cd 214.438	44.0	41.8	-0.618830	µg/L
2 Ce 413.765	-218.4	-207.1	0.608038	µg/L
2 Co 228.616	-3.2	-3.0	3.02969	µg/L
2 Cr 205.560	50.9	48.3	-0.372899	µg/L
2 Cu 327.394	-87.7	-83.1	-2.41143	µg/L
2 Fe 238.204	119.2	113.1	2.20077	µg/L
2 K 766.514	1842.6	1747.3	-0.108179	mg/L
2 Li 670.781	284.1	269.4	-2.40288	µg/L
2 Mg 279.074	-11.3	-10.7	-0.0191501	mg/L
2 Mn 257.610	-196.4	-186.2	-1.46607	µg/L
2 Mo 202.031	12.7	12.0	8.64741	µg/L
2 Na 589.594	3061.3	2903.0	-0.0226882	mg/L
2 Ni 231.603	81.7	77.4	-2.97246	µg/L
2 Pb 220.353	-14.6	-13.9	-37.5057	µg/L
2 Sb 206.831	6.0	5.6	32.1578	µg/L
2 Se 196.026	83.2	78.9	121.698	µg/L
2 Si 251.611	1120.1	1062.2	-8.24082	µg/L
2 Sn 189.933	-1.0	-0.9	21.5284	µg/L
2 Sr 407.771	698.2	662.1	-2.09631	µg/L
2 Ti 334.941	1775.9	1684.1	0.575352	µg/L
2 Tl 190.800	9.5	9.0	-52.7668	µg/L
2 V 292.402	-291.5	-276.4	-0.525374	µg/L
2 Zn 206.200	-1.3	-1.2	-2.26604	µg/L

Mean Data

ID: 0B08006-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: 2/8/10 11:52:17 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Sc 357.253	420180.7	105.7	0.36	µg/L				0.34%
Y 360.064	260365.3	107.3	0.47	µg/L				0.44%
Ag 328.068	-84.4	-2.57486	1.815132	µg/L				70.49%
Al 396.140	-238.4	-39.2424	11.64964	µg/L				29.69%
As 188.979	1.7	-39.7646	74.62388	µg/L				187.66%
B 249.773	183.5	-9.02636	0.611525	µg/L				6.77%
Ba 455.403	7872.0	-1.70337	0.000541	µg/L				0.03%
Be 234.861	98.8	-0.115800	0.1246793	µg/L				107.67%
Ca 315.887	130.0	0.0457415	0.00233162	mg/L				5.10%
Cd 214.438	38.8	-1.07767	0.648902	µg/L				60.21%
Ce 413.765	-175.9	5.47053	6.876597	µg/L				125.70%
Co 228.616	-8.0	1.48781	2.180547	µg/L				146.56%
Cr 205.560	50.4	1.52973	2.690717	µg/L				175.90%
Cu 327.394	-59.3	-0.747088	2.3537406	µg/L				315.06%
Fe 238.204	112.5	2.13197	0.097298	µg/L				4.56%
K 766.514	1844.5	-0.0779767	0.04271210	mg/L				54.78%
Li 670.781	287.9	-2.28494	0.166796	µg/L				7.30%
Mg 279.074	-9.2	-0.0179639	0.00167750	mg/L				9.34%
Mn 257.610	-175.6	-1.32150	0.204462	µg/L				15.47%
Mo 202.031	10.4	6.20921	3.448129	µg/L				55.53%
Na 589.594	2781.1	-0.0309388	0.01166801	mg/L				37.71%
Ni 231.603	83.5	0.629073	5.0933387	µg/L				809.66%
Pb 220.353	-6.7	-10.3102	38.46024	µg/L				373.03%
Sb 206.831	5.8	32.6919	0.75543	µg/L				2.31%
Se 196.026	72.5	72.8424	69.09218	µg/L				94.85%
Si 251.611	1070.5	-6.42729	2.564728	µg/L				39.90%
Sn 189.933	-3.1	-0.622312	31.3258332	µg/L				>999.9%
Sr 407.771	629.3	-2.11992	0.033399	µg/L				1.58%
Ti 334.941	1668.3	0.399820	0.2482389	µg/L				62.09%

Tl 190.800	7.4	-62.7826	14.16446 µg/L	22.56%
V 292.402	-292.2	-1.56748	1.473755 µg/L	94.02%
Zn 206.200	1.4	-1.01997	1.762213 µg/L	172.77%

Due 2/11

WTR - OB10038
Cal OB10010

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence

Calib. OB10008

Instrument #: 311
Date: 2/10/10
Analyst: [illegible]

Data File: OB10018
Calibration BLK/ICB/CCB: 5%HNO3/1109060/5%HCL/4109080
Internal Standard #: 0010676

Autosampler Position:

1. BLK/CCB/9110898
2. STD 1/0010621
3. STD 2/0010622
4. STD3/CCV/0010623
5. STD4/0010624
9. DAILY SCV/CCV1/9110899
10. CRL/0010356
11. IFA1/0010740
12. IFA2/0020174
13. IFB1/0010637
14. IFB2/0010316

Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor	Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor
1/17	1000900-BLK1				35/51				
2/18	BS1				36/52				
3/19	1002004-01				37/53				
4/20	MS1				38/54				
5/21	MSD1				39/55				
6/22	SRD1				40/56				
7/23	PS1				41/57				
8/24	-02				42/58				
9/25	03				43/59				
10/26	04				44/60				
11/27	05				45/61				
12/28	06				46/62				
13/29	07				47/63				
14/30	08				48/64				
15/31	MS2				49/65				
16/32	MSD2				50/66				
17/33	SRD2				51/67				
18/34	PS2				52/68				
19/35	-09				53/69				
20/36	-10				54/70				
21/37	11				55/71				
22/38	12				56/72				
23/39	1001064-BLK1				57/73				
24/40	BS1				58/74				
25/41	1002085-01				59/75				
26/42	MS1				60/76				
27/43	MSD1				61/77				
28/44	SRD1				62/78				
29/45	PS1				63/79				
30/46	1002085-02				64/80				
31/47					65/81				
32/48					66/82				
33/49					67/83				
34/50					68/84				

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Analysis Begun

Start Time: 2/10/2010 10:31:18 AM
Logged In Analyst: analystME
Spectrometer Model: Optima 5300 DV, S/N 077C7032601
Plasma On Time: 2/10/2010 7:08:10 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\analystME\Sample Information\0B10018.sif
Batch ID:
Results Data Set: 0B10018
Results Library: C:\pe\analystME\Results\Results.mdb

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Sequence No.: 1
Sample ID: 0B10018-CAL1
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 2/10/2010 10:31:19 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B10018-CAL1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	198401.9	198401.9	99.9314	%	10:32:24
1	Al 396.153†	190.8	191.0	[0.00]	ug/L	10:32:24
1	Ba 455.398†	12.9	12.9	[0.00]	ug/L	10:32:24
1	Ca 315.887†	115.1	115.2	[0.00]	mg/L	10:32:44
1	Fe 238.204†	29.2	29.2	[0.00]	ug/L	10:32:44
1	K 766.490	80.7	80.7	[0.00]	mg/L	10:32:24
1	Li 670.784†	41.9	41.9	[0.00]	ug/L	10:32:24
1	Mg 279.071†	9.7	9.7	[0.00]	mg/L	10:32:44
1	Na 589.592†	718.3	718.8	[0.00]	mg/L	10:32:24
1	Sr 407.771†	243.1	243.3	[0.00]	ug/L	10:32:24
1	Ti 334.940†	-32.7	-32.8	[0.00]	ug/L	10:32:44
1	Y 360.076	272188.0	272188.0	100.273	%	10:33:15
1	Ag 328.068†	106.7	106.4	[0.00]	ug/L	10:33:36
1	As 188.979†	-30.7	-30.6	[0.00]	ug/L	10:33:36
1	B 249.677†	342.6	341.7	[0.00]	ug/L	10:33:36
1	Be 234.861†	-860.3	-858.0	[0.00]	ug/L	10:33:36
1	Cd 214.437†	468.5	467.2	[0.00]	ug/L	10:33:36
1	Ce 413.764†	918.5	916.0	[0.00]	ug/L	10:33:15
1	Co 228.616†	-91.2	-90.9	[0.00]	ug/L	10:33:36
1	Cr 205.557†	-34.3	-34.2	[0.00]	ug/L	10:33:36
1	Cu 327.397†	23.4	23.4	[0.00]	ug/L	10:33:15
1	Mn 257.610†	441.3	440.1	[0.00]	ug/L	10:33:36
1	Mo 202.031†	100.5	100.2	[0.00]	ug/L	10:33:36
1	Ni 231.604†	361.7	360.7	[0.00]	ug/L	10:33:36
1	Pb 220.353†	29.9	29.8	[0.00]	ug/L	10:33:36
1	Sb 217.584†	-46.1	-46.0	[0.00]	ug/L	10:33:36
1	Se 196.026†	-41.8	-41.7	[0.00]	ug/L	10:33:36
1	Si 251.611†	10.1	10.1	[0.00]	ug/L	10:33:36
1	Sn 189.927†	10.7	10.7	[0.00]	ug/L	10:33:36
1	Tl 190.801†	-46.7	-46.6	[0.00]	ug/L	10:33:36
1	V 292.395†	-1286.0	-1282.5	[0.00]	ug/L	10:33:36
1	Zn 206.200†	-68.2	-68.0	[0.00]	ug/L	10:33:36
2	Sc 357.234	198674.4	198674.4	100.069	%	10:32:49
2	Al 396.153†	181.4	181.3	[0.00]	ug/L	10:32:49
2	Ba 455.398†	1.3	1.3	[0.00]	ug/L	10:32:49
2	Ca 315.887†	124.6	124.5	[0.00]	mg/L	10:33:09
2	Fe 238.204†	24.8	24.7	[0.00]	ug/L	10:33:09
2	K 766.490	95.5	95.5	[0.00]	mg/L	10:32:49
2	Li 670.784†	91.7	91.7	[0.00]	ug/L	10:32:49
2	Mg 279.071†	13.9	13.9	[0.00]	mg/L	10:33:09
2	Na 589.592†	724.5	724.0	[0.00]	mg/L	10:32:49
2	Sr 407.771†	246.9	246.8	[0.00]	ug/L	10:32:49
2	Ti 334.940†	-17.4	-17.4	[0.00]	ug/L	10:33:09
2	Y 360.076	270705.5	270705.5	99.7269	%	10:33:41
2	Ag 328.068†	107.4	107.7	[0.00]	ug/L	10:34:01
2	As 188.979†	-28.0	-28.1	[0.00]	ug/L	10:34:01
2	B 249.677†	348.2	349.2	[0.00]	ug/L	10:34:01

2	Be 234.861†	-886.1	-888.6	[0.00] ug/L	10:34:01
2	Cd 214.437†	462.1	463.4	[0.00] ug/L	10:34:01
2	Ce 413.764†	803.4	805.6	[0.00] ug/L	10:33:41
2	Co 228.616†	-92.5	-92.8	[0.00] ug/L	10:34:01
2	Cr 205.557†	-31.4	-31.5	[0.00] ug/L	10:34:01
2	Cu 327.397†	-1.2	-1.2	[0.00] ug/L	10:33:41
2	Mn 257.610†	459.2	460.5	[0.00] ug/L	10:34:01
2	Mo 202.031†	95.4	95.6	[0.00] ug/L	10:34:01
2	Ni 231.604†	375.8	376.9	[0.00] ug/L	10:34:01
2	Pb 220.353†	37.6	37.7	[0.00] ug/L	10:34:01
2	Sb 217.584†	-58.4	-58.6	[0.00] ug/L	10:34:01
2	Se 196.026†	-36.5	-36.6	[0.00] ug/L	10:34:01
2	Si 251.611†	1.8	1.8	[0.00] ug/L	10:34:01
2	Sn 189.927†	4.7	4.7	[0.00] ug/L	10:34:01
2	Tl 190.801†	-45.6	-45.7	[0.00] ug/L	10:34:01
2	V 292.395†	-1280.8	-1284.3	[0.00] ug/L	10:34:01
2	Zn 206.200†	-68.1	-68.3	[0.00] ug/L	10:34:01

Mean Data: 0B10018-CAL1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	198538.1	192.68	0.10%	100.000	%
Y 360.076	271446.7	1048.29	0.39%	100.000	%
Ag 328.068†	107.1	0.91	0.85%	[0.00]	ug/L
Al 396.153†	186.1	6.83	3.67%	[0.00]	ug/L
As 188.979†	-29.3	1.74	5.94%	[0.00]	ug/L
B 249.677†	345.4	5.29	1.53%	[0.00]	ug/L
Ba 455.398†	7.1	8.23	116.28%	[0.00]	ug/L
Be 234.861†	-873.3	21.63	2.48%	[0.00]	ug/L
Ca 315.887†	119.9	6.61	5.52%	[0.00]	mg/L
Cd 214.437†	465.3	2.71	0.58%	[0.00]	ug/L
Ce 413.764†	860.8	78.08	9.07%	[0.00]	ug/L
Co 228.616†	-91.9	1.30	1.42%	[0.00]	ug/L
Cr 205.557†	-32.8	1.90	5.77%	[0.00]	ug/L
Cu 327.397†	11.1	17.39	157.09%	[0.00]	ug/L
Fe 238.204†	27.0	3.19	11.81%	[0.00]	ug/L
K 766.490	88.1	10.45	11.86%	[0.00]	mg/L
Li 670.784†	66.8	35.16	52.64%	[0.00]	ug/L
Mg 279.071†	11.8	2.98	25.24%	[0.00]	mg/L
Mn 257.610†	450.3	14.41	3.20%	[0.00]	ug/L
Mo 202.031†	97.9	3.25	3.32%	[0.00]	ug/L
Na 589.592†	721.4	3.69	0.51%	[0.00]	mg/L
Ni 231.604†	368.8	11.41	3.09%	[0.00]	ug/L
Pb 220.353†	33.8	5.61	16.62%	[0.00]	ug/L
Sb 217.584†	-52.3	8.90	17.02%	[0.00]	ug/L
Se 196.026†	-39.2	3.59	9.17%	[0.00]	ug/L
Si 251.611†	6.0	5.86	98.42%	[0.00]	ug/L
Sn 189.927†	7.7	4.20	54.38%	[0.00]	ug/L
Sr 407.771†	245.0	2.45	1.00%	[0.00]	ug/L
Ti 334.940†	-25.1	10.85	43.23%	[0.00]	ug/L
Tl 190.801†	-46.1	0.66	1.42%	[0.00]	ug/L
V 292.395†	-1283.4	1.27	0.10%	[0.00]	ug/L
Zn 206.200†	-68.1	0.19	0.28%	[0.00]	ug/L

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Sequence No.: 2
Sample ID: 0B10018-CAL2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 2/10/2010 10:35:13 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B10018-CAL2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	199637.8	199637.8	100.554	%	10:36:18
1	Al 396.153†	389.4	201.1	[50.00]	ug/L	10:36:18
1	Ba 455.398†	3169.7	3145.2	[10.00]	ug/L	10:36:18
1	Ca 315.887†	906.4	781.6	[0.500]	mg/L	10:36:38
1	Fe 238.204†	65.6	38.2	[10.00]	ug/L	10:36:38

1	K 766.490	182.7	94.6	[0.100] mg/L	10:36:18
1	Li 670.784†	382.7	313.8	[8.00] ug/L	10:36:18
1	Mg 279.071†	259.6	246.3	[0.500] mg/L	10:36:38
1	Na 589.592†	4115.4	3371.3	[0.500] mg/L	10:36:18
1	Sr 407.771†	41334.7	40862.0	[50.00] ug/L	10:36:18
1	Y 360.076	272980.0	272980.0	100.565 %	10:37:10
1	Ag 328.068†	398.4	289.1	[5.000] ug/L	10:37:30
1	As 188.979†	38.1	67.2	[100.00] ug/L	10:37:30
1	B 249.677†	1380.5	1027.3	[50.00] ug/L	10:37:30
1	Be 234.861†	-664.0	213.0	[1.000] ug/L	10:37:30
1	Cd 214.437†	608.1	139.4	[5.00] ug/L	10:37:30
1	Co 228.616†	-20.3	71.7	[10.00] ug/L	10:37:30
1	Cr 205.557†	86.7	119.1	[10.00] ug/L	10:37:30
1	Cu 327.397†	357.3	344.3	[10.00] ug/L	10:37:10
1	Mn 257.610†	1958.5	1497.2	[10.00] ug/L	10:37:30
1	Ni 231.604†	497.3	125.7	[10.00] ug/L	10:37:30
1	Pb 220.353†	118.4	84.0	[50.00] ug/L	10:37:30
1	Sb 217.584†	89.3	141.1	[100.00] ug/L	10:37:30
1	Se 196.026†	-2.3	36.8	[100.00] ug/L	10:37:30
1	Si 251.611†	1360.5	1346.9	[100.00] ug/L	10:37:30
1	Sn 189.927†	237.1	228.0	[100.00] ug/L	10:37:30
1	Tl 190.801†	27.3	73.3	[100.00] ug/L	10:37:30
1	V 292.395†	-838.2	450.0	[10.00] ug/L	10:37:30
1	Zn 206.200†	24.9	92.9	[10.00] ug/L	10:37:30
2	Sc 357.234	199755.4	199755.4	100.613 %	10:36:43
2	Al 396.153†	382.9	194.4	[50.00] ug/L	10:36:43
2	Ba 455.398†	3130.3	3104.1	[10.00] ug/L	10:36:43
2	Ca 315.887†	899.7	774.4	[0.500] mg/L	10:37:03
2	Fe 238.204†	62.8	35.4	[10.00] ug/L	10:37:03
2	K 766.490	133.6	45.5	[0.100] mg/L	10:36:43
2	Li 670.784†	315.6	246.9	[8.00] ug/L	10:36:43
2	Mg 279.071†	255.3	242.0	[0.500] mg/L	10:37:03
2	Na 589.592†	4115.0	3368.5	[0.500] mg/L	10:36:43
2	Sr 407.771†	41307.9	40811.2	[50.00] ug/L	10:36:43
2	Y 360.076	273958.9	273958.9	100.925 %	10:37:35
2	Ag 328.068†	415.1	304.3	[5.000] ug/L	10:37:55
2	As 188.979†	36.6	65.6	[100.00] ug/L	10:37:55
2	B 249.677†	1388.9	1030.7	[50.00] ug/L	10:37:55
2	Be 234.861†	-638.4	240.8	[1.000] ug/L	10:37:55
2	Cd 214.437†	604.7	133.9	[5.00] ug/L	10:37:55
2	Co 228.616†	-26.8	65.3	[10.00] ug/L	10:37:55
2	Cr 205.557†	91.2	123.2	[10.00] ug/L	10:37:55
2	Cu 327.397†	360.3	346.0	[10.00] ug/L	10:37:35
2	Mn 257.610†	1960.9	1492.6	[10.00] ug/L	10:37:55
2	Ni 231.604†	506.0	132.6	[10.00] ug/L	10:37:55
2	Pb 220.353†	122.9	88.0	[50.00] ug/L	10:37:55
2	Sb 217.584†	100.1	151.5	[100.00] ug/L	10:37:55
2	Se 196.026†	4.7	43.8	[100.00] ug/L	10:37:55
2	Si 251.611†	1373.5	1355.0	[100.00] ug/L	10:37:55
2	Sn 189.927†	235.6	225.7	[100.00] ug/L	10:37:55
2	Tl 190.801†	26.5	72.4	[100.00] ug/L	10:37:55
2	V 292.395†	-856.1	435.2	[10.00] ug/L	10:37:55
2	Zn 206.200†	22.8	90.7	[10.00] ug/L	10:37:55

Mean Data: 0B10018-CAL2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	199696.6	83.16	0.04%	100.583	%
Y 360.076	273469.5	692.19	0.25%	100.745	%
Ag 328.068†	296.7	10.70	3.61%	[5.000]	ug/L
Al 396.153†	197.8	4.74	2.40%	[50.00]	ug/L
As 188.979†	66.4	1.13	1.70%	[100.00]	ug/L
B 249.677†	1029.0	2.43	0.24%	[50.00]	ug/L
Ba 455.398†	3124.7	29.06	0.93%	[10.00]	ug/L
Be 234.861†	226.9	19.59	8.64%	[1.000]	ug/L
Ca 315.887†	778.0	5.10	0.66%	[0.500]	mg/L
Cd 214.437†	136.6	3.88	2.84%	[5.00]	ug/L
Co 228.616†	68.5	4.52	6.60%	[10.00]	ug/L
Cr 205.557†	121.1	2.90	2.40%	[10.00]	ug/L
Cu 327.397†	345.1	1.20	0.35%	[10.00]	ug/L

Fe 238.204†	36.8	2.00	5.44%	[10.00] ug/L
K 766.490	70.0	34.74	49.60%	[0.100] mg/L
Li 670.784†	280.4	47.33	16.88%	[8.00] ug/L
Mg 279.071†	244.1	3.09	1.27%	[0.500] mg/L
Mn 257.610†	1494.9	3.27	0.22%	[10.00] ug/L
Na 589.592†	3369.9	2.00	0.06%	[0.500] mg/L
Ni 231.604†	129.1	4.84	3.75%	[10.00] ug/L
Pb 220.353†	86.0	2.84	3.30%	[50.00] ug/L
Sb 217.584†	146.3	7.36	5.03%	[100.00] ug/L
Se 196.026†	40.3	4.93	12.23%	[100.00] ug/L
Si 251.611†	1350.9	5.73	0.42%	[100.00] ug/L
Sn 189.927†	226.9	1.65	0.73%	[100.00] ug/L
Sr 407.771†	40836.6	35.94	0.09%	[50.00] ug/L
Tl 190.801†	72.8	0.65	0.89%	[100.00] ug/L
V 292.395†	442.6	10.46	2.36%	[10.00] ug/L
Zn 206.200†	91.8	1.53	1.67%	[10.00] ug/L

Sequence No.: 3
Sample ID: 0B10018-CAL3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 2/10/2010 10:39:09 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B10018-CAL3

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	201744.2	201744.2	101.615	%	10:40:14
1	Al 396.153†	1932.3	1715.4	[500.00]	ug/L	10:40:34
1	Ba 455.398†	30971.7	30472.4	[100.00]	ug/L	10:40:14
1	Ca 315.887†	1753.8	1606.1	[1.000]	mg/L	10:40:34
1	Fe 238.204†	278.3	246.9	[100.00]	ug/L	10:40:34
1	K 766.490	872.9	784.8	[1.000]	mg/L	10:40:14
1	Li 670.784†	3877.1	3748.7	[100.00]	ug/L	10:40:14
1	Mg 279.071†	519.7	499.6	[1.000]	mg/L	10:40:34
1	Na 589.592†	7756.7	6912.1	[1.000]	mg/L	10:40:14
1	Sr 407.771†	84548.2	82959.5	[100.00]	ug/L	10:40:14
1	Ti 334.940†	1535.9	1536.5	[100.00]	ug/L	10:40:34
1	Y 360.076	270381.4	270381.4	99.6076	%	10:41:05
1	Ag 328.068†	6746.3	6665.8	[100.00]	ug/L	10:41:05
1	As 188.979†	329.1	359.8	[500.00]	ug/L	10:41:26
1	B 249.677†	2503.2	2167.6	[100.00]	ug/L	10:41:26
1	Be 234.861†	1366.3	2245.0	[10.00]	ug/L	10:41:26
1	Cd 214.437†	3274.3	2821.9	[100.00]	ug/L	10:41:26
1	Co 228.616†	589.1	683.3	[100.00]	ug/L	10:41:26
1	Cr 205.557†	1223.0	1260.7	[100.00]	ug/L	10:41:26
1	Cu 327.397†	3593.3	3596.4	[100.00]	ug/L	10:41:05
1	Mn 257.610†	15791.1	15403.0	[100.00]	ug/L	10:41:05
1	Mo 202.031†	927.5	833.2	[100.00]	ug/L	10:41:26
1	Ni 231.604†	1719.4	1357.4	[100.00]	ug/L	10:41:26
1	Pb 220.353†	211.1	178.1	[100.00]	ug/L	10:41:26
1	Sb 217.584†	649.8	704.7	[500.00]	ug/L	10:41:26
1	Se 196.026†	187.2	227.1	[500.00]	ug/L	10:41:26
1	Si 251.611†	6017.4	6035.1	[500.00]	ug/L	10:41:05
1	Sn 189.927†	1149.4	1146.2	[500.00]	ug/L	10:41:26
1	Tl 190.801†	370.4	418.0	[500.00]	ug/L	10:41:26
1	V 292.395†	3656.1	4953.9	[100.00]	ug/L	10:41:05
1	Zn 206.200†	968.0	1039.9	[100.00]	ug/L	10:41:26
2	Sc 357.234	201728.6	201728.6	101.607	%	10:40:39
2	Al 396.153†	1943.8	1726.9	[500.00]	ug/L	10:40:59
2	Ba 455.398†	31140.5	30640.9	[100.00]	ug/L	10:40:39
2	Ca 315.887†	1749.4	1601.9	[1.000]	mg/L	10:40:59
2	Fe 238.204†	273.6	242.3	[100.00]	ug/L	10:40:59
2	K 766.490	832.7	744.6	[1.000]	mg/L	10:40:39
2	Li 670.784†	3894.4	3766.1	[100.00]	ug/L	10:40:39
2	Mg 279.071†	515.5	495.5	[1.000]	mg/L	10:40:59
2	Na 589.592†	7801.2	6956.4	[1.000]	mg/L	10:40:39
2	Sr 407.771†	84860.7	83273.5	[100.00]	ug/L	10:40:39
2	Ti 334.940†	1547.3	1547.9	[100.00]	ug/L	10:40:59
2	Y 360.076	269625.0	269625.0	99.3289	%	10:41:31

2	Ag 328.068†	6759.7	6698.3	[100.00] ug/L	10:41:31
2	As 188.979†	324.9	356.5	[500.00] ug/L	10:41:51
2	B 249.677†	2501.9	2173.4	[100.00] ug/L	10:41:51
2	Be 234.861†	1355.3	2237.8	[10.00] ug/L	10:41:51
2	Cd 214.437†	3272.7	2829.5	[100.00] ug/L	10:41:51
2	Co 228.616†	590.1	686.0	[100.00] ug/L	10:41:51
2	Cr 205.557†	1212.0	1253.0	[100.00] ug/L	10:41:51
2	Cu 327.397†	3637.9	3651.4	[100.00] ug/L	10:41:31
2	Mn 257.610†	15893.9	15551.0	[100.00] ug/L	10:41:31
2	Mo 202.031†	926.2	834.5	[100.00] ug/L	10:41:51
2	Ni 231.604†	1716.4	1359.2	[100.00] ug/L	10:41:51
2	Pb 220.353†	211.8	179.4	[100.00] ug/L	10:41:51
2	Sb 217.584†	649.8	706.5	[500.00] ug/L	10:41:51
2	Se 196.026†	188.9	229.3	[500.00] ug/L	10:41:51
2	Si 251.611†	6006.5	6041.1	[500.00] ug/L	10:41:31
2	Sn 189.927†	1144.9	1144.9	[500.00] ug/L	10:41:51
2	Tl 190.801†	372.5	421.2	[500.00] ug/L	10:41:51
2	V 292.395†	3702.8	5011.2	[100.00] ug/L	10:41:31
2	Zn 206.200†	972.1	1046.8	[100.00] ug/L	10:41:51

Mean Data: 0B10018-CAL3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	201736.4	11.02	0.01%	101.611	%
Y 360.076	270003.2	534.91	0.20%	99.4682	%
Ag 328.068†	6682.1	23.00	0.34%	[100.00]	ug/L
Al 396.153†	1721.2	8.13	0.47%	[500.00]	ug/L
As 188.979†	358.1	2.34	0.65%	[500.00]	ug/L
B 249.677†	2170.5	4.09	0.19%	[100.00]	ug/L
Ba 455.398†	30556.7	119.15	0.39%	[100.00]	ug/L
Be 234.861†	2241.4	5.13	0.23%	[10.00]	ug/L
Ca 315.887†	1604.0	2.99	0.19%	[1.000]	mg/L
Cd 214.437†	2825.7	5.36	0.19%	[100.00]	ug/L
Co 228.616†	684.7	1.90	0.28%	[100.00]	ug/L
Cr 205.557†	1256.8	5.42	0.43%	[100.00]	ug/L
Cu 327.397†	3623.9	38.90	1.07%	[100.00]	ug/L
Fe 238.204†	244.6	3.20	1.31%	[100.00]	ug/L
K 766.490	764.7	28.43	3.72%	[1.000]	mg/L
Li 670.784†	3757.4	12.29	0.33%	[100.00]	ug/L
Mg 279.071†	497.5	2.89	0.58%	[1.000]	mg/L
Mn 257.610†	15477.0	104.61	0.68%	[100.00]	ug/L
Mo 202.031†	833.8	0.92	0.11%	[100.00]	ug/L
Na 589.592†	6934.2	31.36	0.45%	[1.000]	mg/L
Ni 231.604†	1358.3	1.27	0.09%	[100.00]	ug/L
Pb 220.353†	178.8	0.91	0.51%	[100.00]	ug/L
Sb 217.584†	705.6	1.30	0.18%	[500.00]	ug/L
Se 196.026†	228.2	1.54	0.68%	[500.00]	ug/L
Si 251.611†	6038.1	4.23	0.07%	[500.00]	ug/L
Sn 189.927†	1145.5	0.92	0.08%	[500.00]	ug/L
Sr 407.771†	83116.5	221.99	0.27%	[100.00]	ug/L
Ti 334.940†	1542.2	8.02	0.52%	[100.00]	ug/L
Tl 190.801†	419.6	2.24	0.53%	[500.00]	ug/L
V 292.395†	4982.6	40.50	0.81%	[100.00]	ug/L
Zn 206.200†	1043.3	4.84	0.46%	[100.00]	ug/L

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Sequence No.: 4
Sample ID: 0B10018-CAL4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 2/10/2010 10:43:04 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B10018-CAL4

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	199001.4	199001.4	100.233	%	10:44:10
1	Al 396.153†	8524.9	8318.9	[2500.00]	ug/L	10:44:30
1	Ba 455.398†	156114.8	155744.3	[500.00]	ug/L	10:44:10
1	Ca 315.887†	7890.2	7752.0	[5.000]	mg/L	10:44:30

1	Fe 238.204†	1250.5	1220.6	[500.00]	ug/L	10:44:30
1	K 766.490	3891.3	3803.2	[5.000]	mg/L	10:44:30
1	Li 670.784†	18221.9	18112.7	[500.00]	ug/L	10:44:30
1	Mg 279.071†	2443.2	2425.7	[5.000]	mg/L	10:44:30
1	Na 589.592†	35396.5	34592.8	[5.000]	mg/L	10:44:10
1	Sr 407.771†	418321.6	417102.8	[500.00]	ug/L	10:44:10
1	Ti 334.940†	7769.2	7776.3	[500.00]	ug/L	10:44:30
1	Y 360.076	270615.7	270615.7	99.6939	%	10:45:01
1	Ag 328.068†	33550.4	33546.4	[500.00]	ug/L	10:45:01
1	As 188.979†	1738.7	1773.3	[2500.00]	ug/L	10:45:22
1	B 249.677†	9751.1	9435.6	[500.00]	ug/L	10:45:01
1	Be 234.861†	9946.8	10850.7	[50.00]	ug/L	10:45:22
1	Cd 214.437†	14003.2	13580.9	[500.00]	ug/L	10:45:22
1	Co 228.616†	3237.5	3339.3	[500.00]	ug/L	10:45:22
1	Cr 205.557†	6081.7	6133.2	[500.00]	ug/L	10:45:22
1	Cu 327.397†	17757.0	17800.5	[500.00]	ug/L	10:45:01
1	Mn 257.610†	75346.5	75127.5	[500.00]	ug/L	10:45:01
1	Mo 202.031†	4228.3	4143.3	[500.00]	ug/L	10:45:22
1	Ni 231.604†	6832.5	6484.7	[500.00]	ug/L	10:45:22
1	Pb 220.353†	907.8	876.9	[500.00]	ug/L	10:45:22
1	Sb 217.584†	3451.5	3514.4	[2500.00]	ug/L	10:45:22
1	Se 196.026†	1137.5	1180.1	[2500.00]	ug/L	10:45:22
1	Si 251.611†	29373.7	29457.9	[2500.00]	ug/L	10:45:01
1	Sn 189.927†	5657.9	5667.6	[2500.00]	ug/L	10:45:22
1	Tl 190.801†	2040.4	2092.8	[2500.00]	ug/L	10:45:22
1	V 292.395†	23497.8	24853.4	[500.00]	ug/L	10:45:01
1	Zn 206.200†	4959.2	5042.6	[500.00]	ug/L	10:45:22
2	Sc 357.234	200972.5	200972.5	101.226	%	10:44:35
2	Al 396.153†	8628.3	8337.6	[2500.00]	ug/L	10:44:55
2	Ba 455.398†	156752.8	154846.9	[500.00]	ug/L	10:44:35
2	Ca 315.887†	7961.9	7745.6	[5.000]	mg/L	10:44:55
2	Fe 238.204†	1269.0	1226.6	[500.00]	ug/L	10:44:55
2	K 766.490	3933.8	3845.7	[5.000]	mg/L	10:44:55
2	Li 670.784†	18360.0	18070.8	[500.00]	ug/L	10:44:55
2	Mg 279.071†	2460.1	2418.5	[5.000]	mg/L	10:44:55
2	Na 589.592†	35521.4	34369.7	[5.000]	mg/L	10:44:35
2	Sr 407.771†	419388.0	414062.9	[500.00]	ug/L	10:44:35
2	Ti 334.940†	7842.3	7772.4	[500.00]	ug/L	10:44:55
2	Y 360.076	274216.1	274216.1	101.020	%	10:45:27
2	Ag 328.068†	33620.6	33174.0	[500.00]	ug/L	10:45:27
2	As 188.979†	1730.7	1742.6	[2500.00]	ug/L	10:45:47
2	B 249.677†	9848.4	9403.5	[500.00]	ug/L	10:45:27
2	Be 234.861†	9929.9	10702.9	[50.00]	ug/L	10:45:47
2	Cd 214.437†	13970.8	13364.5	[500.00]	ug/L	10:45:47
2	Co 228.616†	3216.7	3276.1	[500.00]	ug/L	10:45:47
2	Cr 205.557†	6048.7	6020.4	[500.00]	ug/L	10:45:47
2	Cu 327.397†	17791.5	17600.8	[500.00]	ug/L	10:45:27
2	Mn 257.610†	75541.9	74328.7	[500.00]	ug/L	10:45:27
2	Mo 202.031†	4237.2	4096.5	[500.00]	ug/L	10:45:47
2	Ni 231.604†	6805.6	6368.1	[500.00]	ug/L	10:45:47
2	Pb 220.353†	909.9	866.9	[500.00]	ug/L	10:45:47
2	Sb 217.584†	3461.6	3478.9	[2500.00]	ug/L	10:45:47
2	Se 196.026†	1147.7	1175.3	[2500.00]	ug/L	10:45:47
2	Si 251.611†	29386.9	29084.2	[2500.00]	ug/L	10:45:27
2	Sn 189.927†	5635.2	5570.5	[2500.00]	ug/L	10:45:47
2	Tl 190.801†	2049.2	2074.7	[2500.00]	ug/L	10:45:47
2	V 292.395†	23537.8	24583.5	[500.00]	ug/L	10:45:27
2	Zn 206.200†	4941.0	4959.3	[500.00]	ug/L	10:45:47

Mean Data: 0B10018-CAL4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	199986.9	1393.80	0.70%	100.730	%
Y 360.076	272415.9	2545.80	0.93%	100.357	%
Ag 328.068†	33360.2	263.27	0.79%	[500.00]	ug/L
Al 396.153†	8328.3	13.24	0.16%	[2500.00]	ug/L
As 188.979†	1758.0	21.74	1.24%	[2500.00]	ug/L
B 249.677†	9419.5	22.65	0.24%	[500.00]	ug/L
Ba 455.398†	155295.6	634.51	0.41%	[500.00]	ug/L
Be 234.861†	10776.8	104.52	0.97%	[50.00]	ug/L

Ca 315.887†	7748.8	4.50	0.06%	[5.000] mg/L
Cd 214.437†	13472.7	153.07	1.14%	[500.00] ug/L
Co 228.616†	3307.7	44.72	1.35%	[500.00] ug/L
Cr 205.557†	6076.8	79.76	1.31%	[500.00] ug/L
Cu 327.397†	17700.6	141.19	0.80%	[500.00] ug/L
Fe 238.204†	1223.6	4.26	0.35%	[500.00] ug/L
K 766.490	3824.4	30.03	0.79%	[5.000] mg/L
Li 670.784†	18091.7	29.61	0.16%	[500.00] ug/L
Mg 279.071†	2422.1	5.07	0.21%	[5.000] mg/L
Mn 257.610†	74728.1	564.85	0.76%	[500.00] ug/L
Mo 202.031†	4119.9	33.12	0.80%	[500.00] ug/L
Na 589.592†	34481.2	157.73	0.46%	[5.000] mg/L
Ni 231.604†	6426.4	82.45	1.28%	[500.00] ug/L
Pb 220.353†	871.9	7.03	0.81%	[500.00] ug/L
Sb 217.584†	3496.7	25.08	0.72%	[2500.00] ug/L
Se 196.026†	1177.7	3.42	0.29%	[2500.00] ug/L
Si 251.611†	29271.1	264.27	0.90%	[2500.00] ug/L
Sn 189.927†	5619.0	68.62	1.22%	[2500.00] ug/L
Sr 407.771†	415582.8	2149.50	0.52%	[500.00] ug/L
Ti 334.940†	7774.3	2.70	0.03%	[500.00] ug/L
Tl 190.801†	2083.8	12.84	0.62%	[2500.00] ug/L
V 292.395†	24718.4	190.83	0.77%	[500.00] ug/L
Zn 206.200†	5000.9	58.91	1.18%	[500.00] ug/L

Sequence No.: 5 **Autosampler Location: 5**
Sample ID: 0B10018-CAL5 **Date Collected: 2/10/2010 10:47:01 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0B10018-CAL5

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	197657.6	197657.6	99.5565	%	10:48:08
1	Al 396.153†	16698.8	16587.1	[5000]	ug/L	10:48:28
1	Ba 455.398†	312685.4	314071.3	[1000]	ug/L	10:48:08
1	Ca 315.887†	15575.3	15524.8	[10]	mg/L	10:48:28
1	Fe 238.204†	2462.0	2446.0	[1000]	ug/L	10:48:28
1	K 766.490	7600.4	7512.3	[10]	mg/L	10:48:28
1	Li 670.784†	36747.8	36844.7	[1000]	ug/L	10:48:08
1	Mg 279.071†	4846.8	4856.6	[10]	mg/L	10:48:28
1	Na 589.592†	70356.9	69949.0	[10]	mg/L	10:48:08
1	Sr 407.771†	836399.0	839880.0	[1000]	ug/L	10:48:08
1	Ti 334.940†	15653.9	15748.7	[1000]	ug/L	10:48:28
1	Y 360.076	272092.4	272092.4	100.238	%	10:49:00
1	Ag 328.068†	66466.7	66201.9	[1000]	ug/L	10:49:00
1	As 188.979†	3488.3	3509.4	[5000]	ug/L	10:49:20
1	B 249.677†	19273.3	18882.1	[1000]	ug/L	10:49:00
1	Be 234.861†	20683.6	21507.8	[100]	ug/L	10:49:20
1	Cd 214.437†	27332.2	26802.1	[1000]	ug/L	10:49:20
1	Ce 413.764†	38516.3	37564.1	[1000]	ug/L	10:49:00
1	Co 228.616†	6500.6	6577.1	[1000]	ug/L	10:49:20
1	Cr 205.557†	12070.0	12074.2	[1000]	ug/L	10:49:20
1	Cu 327.397†	35271.7	35176.9	[1000]	ug/L	10:49:00
1	Mn 257.610†	148275.6	147473.4	[1000]	ug/L	10:49:00
1	Mo 202.031†	8393.3	8275.5	[1000]	ug/L	10:49:20
1	Ni 231.604†	13134.7	12734.7	[1000]	ug/L	10:49:20
1	Pb 220.353†	1754.9	1716.9	[1000]	ug/L	10:49:20
1	Sb 217.584†	6965.8	7001.6	[5000]	ug/L	10:49:20
1	Se 196.026†	2322.3	2356.0	[5000]	ug/L	10:49:20
1	Si 251.611†	58084.2	57940.4	[5000]	ug/L	10:49:00
1	Sn 189.927†	11270.1	11235.7	[5000]	ug/L	10:49:20
1	Tl 190.801†	4140.3	4176.6	[5000]	ug/L	10:49:20
1	V 292.395†	48093.9	49263.2	[1000]	ug/L	10:49:00
1	Zn 206.200†	9853.2	9897.9	[1000]	ug/L	10:49:20
2	Sc 357.234	199213.8	199213.8	100.340	%	10:48:33
2	Al 396.153†	16762.9	16519.9	[5000]	ug/L	10:48:54
2	Ba 455.398†	312449.5	311382.8	[1000]	ug/L	10:48:33
2	Ca 315.887†	15655.8	15482.8	[10]	mg/L	10:48:54

2	Fe 238.204†	2469.3	2433.9	[1000] ug/L	10:48:54
2	K 766.490	7602.2	7514.1	[10] mg/L	10:48:54
2	Li 670.784†	36701.8	36510.5	[1000] ug/L	10:48:33
2	Mg 279.071†	4861.0	4832.7	[10] mg/L	10:48:54
2	Na 589.592†	70255.9	69296.3	[10] mg/L	10:48:33
2	Sr 407.771†	835753.6	832674.0	[1000] ug/L	10:48:33
2	Ti 334.940†	15724.1	15695.9	[1000] ug/L	10:48:54
2	Y 360.076	274820.9	274820.9	101.243 %	10:49:25
2	Ag 328.068†	67018.7	66088.8	[1000] ug/L	10:49:25
2	As 188.979†	3465.1	3452.0	[5000] ug/L	10:49:45
2	B 249.677†	19524.0	18938.9	[1000] ug/L	10:49:25
2	Be 234.861†	20650.5	21270.3	[100] ug/L	10:49:45
2	Cd 214.437†	27208.1	26408.7	[1000] ug/L	10:49:45
2	Ce 413.764†	38757.4	37420.8	[1000] ug/L	10:49:25
2	Co 228.616†	6479.9	6492.2	[1000] ug/L	10:49:45
2	Cr 205.557†	12053.7	11938.6	[1000] ug/L	10:49:45
2	Cu 327.397†	35582.9	35134.9	[1000] ug/L	10:49:25
2	Mn 257.610†	149701.5	147413.2	[1000] ug/L	10:49:25
2	Mo 202.031†	8371.5	8170.8	[1000] ug/L	10:49:45
2	Ni 231.604†	13080.1	12550.7	[1000] ug/L	10:49:45
2	Pb 220.353†	1742.3	1687.1	[1000] ug/L	10:49:45
2	Sb 217.584†	6961.9	6928.7	[5000] ug/L	10:49:45
2	Se 196.026†	2301.0	2311.9	[5000] ug/L	10:49:45
2	Si 251.611†	58555.2	57830.3	[5000] ug/L	10:49:25
2	Sn 189.927†	11232.8	11087.1	[5000] ug/L	10:49:45
2	Tl 190.801†	4109.5	4105.2	[5000] ug/L	10:49:45
2	V 292.395†	48483.2	49171.4	[1000] ug/L	10:49:25
2	Zn 206.200†	9815.7	9763.3	[1000] ug/L	10:49:45

Mean Data: 0B10018-CAL5

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	198435.7	1100.40	0.55%	99.9484	%
Y 360.076	273456.6	1929.33	0.71%	100.740	%
Ag 328.068†	66145.4	79.99	0.12%	[1000]	ug/L
Al 396.153†	16553.5	47.51	0.29%	[5000]	ug/L
As 188.979†	3480.7	40.61	1.17%	[5000]	ug/L
B 249.677†	18910.5	40.13	0.21%	[1000]	ug/L
Ba 455.398†	312727.0	1901.07	0.61%	[1000]	ug/L
Be 234.861†	21389.0	167.92	0.79%	[100]	ug/L
Ca 315.887†	15503.8	29.66	0.19%	[10]	mg/L
Cd 214.437†	26605.4	278.14	1.05%	[1000]	ug/L
Ce 413.764†	37492.5	101.33	0.27%	[1000]	ug/L
Co 228.616†	6534.7	60.00	0.92%	[1000]	ug/L
Cr 205.557†	12006.4	95.92	0.80%	[1000]	ug/L
Cu 327.397†	35155.9	29.71	0.08%	[1000]	ug/L
Fe 238.204†	2440.0	8.56	0.35%	[1000]	ug/L
K 766.490	7513.2	1.26	0.02%	[10]	mg/L
Li 670.784†	36677.6	236.30	0.64%	[1000]	ug/L
Mg 279.071†	4844.6	16.89	0.35%	[10]	mg/L
Mn 257.610†	147443.3	42.58	0.03%	[1000]	ug/L
Mo 202.031†	8223.1	74.00	0.90%	[1000]	ug/L
Na 589.592†	69622.6	461.54	0.66%	[10]	mg/L
Ni 231.604†	12642.7	130.13	1.03%	[1000]	ug/L
Pb 220.353†	1702.0	21.10	1.24%	[1000]	ug/L
Sb 217.584†	6965.1	51.52	0.74%	[5000]	ug/L
Se 196.026†	2333.9	31.16	1.34%	[5000]	ug/L
Si 251.611†	57885.3	77.83	0.13%	[5000]	ug/L
Sn 189.927†	11161.4	105.03	0.94%	[5000]	ug/L
Sr 407.771†	836277.0	5095.47	0.61%	[1000]	ug/L
Ti 334.940†	15722.3	37.33	0.24%	[1000]	ug/L
Tl 190.801†	4140.9	50.54	1.22%	[5000]	ug/L
V 292.395†	49217.3	64.94	0.13%	[1000]	ug/L
Zn 206.200†	9830.6	95.19	0.97%	[1000]	ug/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	4	Lin, Calc Int	43.8	66.21	0.00000	0.999990	

Al 396.153	4	Lin, Calc Int	36.6	3.307	0.00000	0.999992
As 188.979	4	Lin, Calc Int	4.1	0.6966	0.00000	0.999983
B 249.677	4	Lin, Calc Int	108.5	18.78	0.00000	0.999896
Ba 455.398	4	Lin, Calc Int	-344.1	312.7	0.00000	0.999993
Be 234.861	4	Lin, Calc Int	44.8	213.7	0.00000	0.999986
Ca 315.887	4	Lin, Calc Int	16.9	1548	0.00000	0.999994
Cd 214.437	4	Lin, Calc Int	70.9	26.60	0.00000	0.999969
Ce 413.764	1	Lin, Calc Int	0.0	37.49	0.00000	1.000000
Co 228.616	4	Lin, Calc Int	15.3	6.534	0.00000	0.999976
Cr 205.557	4	Lin, Calc Int	26.0	12.01	0.00000	0.999976
Cu 327.397	4	Lin, Calc Int	45.0	35.16	0.00000	0.999991
Fe 238.204	4	Lin, Calc Int	4.8	2.435	0.00000	0.999989
K 766.490	4	Lin, Calc Int	10.6	752.8	0.00000	0.999958
Li 670.784	4	Lin, Calc Int	-8.2	36.60	0.00000	0.999971
Mg 279.071	4	Lin, Calc Int	4.6	484.0	0.00000	0.999997
Mn 257.610	4	Lin, Calc Int	347.5	147.5	0.00000	0.999971
Mo 202.031	3	Lin, Calc Int	6.7	8.219	0.00000	0.999999
Na 589.592	4	Lin, Calc Int	-85.3	6960	0.00000	0.999989
Ni 231.604	4	Lin, Calc Int	41.7	12.64	0.00000	0.999951
Pb 220.353	4	Lin, Calc Int	5.5	1.704	0.00000	0.999922
Sb 217.584	4	Lin, Calc Int	6.8	1.393	0.00000	0.999998
Se 196.026	4	Lin, Calc Int	-2.3	0.4681	0.00000	0.999982
Si 251.611	4	Lin, Calc Int	179.3	11.56	0.00000	0.999983
Sn 189.927	4	Lin, Calc Int	14.7	2.232	0.00000	0.999993
Sr 407.771	4	Lin, Calc Int	-788.9	836.2	0.00000	0.999996
Ti 334.940	3	Lin, Calc Int	-29.4	15.72	0.00000	0.999984
Tl 190.801	4	Lin, Calc Int	-0.1	0.8293	0.00000	0.999989
V 292.395	4	Lin, Calc Int	14.9	49.25	0.00000	0.999996
Zn 206.200	4	Lin, Calc Int	26.2	9.836	0.00000	0.999951

Sequence No.: 6
Sample ID: 0B10018-SCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 2/10/2010 10:51:00 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B10018-SCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	198491.4	198491.4	99.9765	%			10:52:05
1	Al 396.153†	8100.3	7916.1	2374.66	ug/L	2374.66	ug/L	10:52:05
1	Ba 455.398†	149694.8	149723.0	479.929	ug/L	479.929	ug/L	10:52:05
1	Ca 315.887†	7918.6	7800.7	5.02669	mg/L	5.02669	mg/L	10:52:25
1	Fe 238.204†	1238.6	1211.9	494.969	ug/L	494.969	ug/L	10:52:25
1	K 766.490	3732.4	3644.3	4.82723	mg/L	4.82723	mg/L	10:52:25
1	Li 670.784†	17924.1	17861.5	488.284	ug/L	488.284	ug/L	10:52:05
1	Mg 279.071†	2465.9	2454.6	5.06247	mg/L	5.06247	mg/L	10:52:25
1	Na 589.592†	34379.6	33666.3	4.84960	mg/L	4.84960	mg/L	10:52:05
1	Sr 407.771†	409470.5	409321.8	490.436	ug/L	490.436	ug/L	10:52:05
1	Ti 334.940†	8001.2	8028.2	512.478	ug/L	512.478	ug/L	10:52:25
1	Y 360.076	269811.2	269811.2	99.3975	%			10:52:57
1	Ag 328.068†	33360.7	33455.8	504.873	ug/L	504.873	ug/L	10:52:57
1	As 188.979†	1666.2	1705.7	2438.03	ug/L	2438.03	ug/L	10:53:17
1	B 249.677†	9733.7	9447.2	495.969	ug/L	495.969	ug/L	10:52:57
1	Be 234.861†	9589.6	10521.0	48.8336	ug/L	48.8336	ug/L	10:53:17
1	Cd 214.437†	13662.1	13279.6	496.102	ug/L	496.102	ug/L	10:53:17
1	Ce 413.764†	820.2	-35.6	-1.04658	ug/L	-1.04658	ug/L	10:52:57
1	Co 228.616†	3097.6	3208.3	487.541	ug/L	487.541	ug/L	10:53:17
1	Cr 205.557†	5995.2	6064.3	502.614	ug/L	502.614	ug/L	10:53:17
1	Cu 327.397†	17449.6	17544.3	498.123	ug/L	498.123	ug/L	10:52:57
1	Mn 257.610†	73604.9	73600.7	496.795	ug/L	496.795	ug/L	10:52:57
1	Mo 202.031†	4253.1	4180.9	507.884	ug/L	507.884	ug/L	10:53:17
1	Ni 231.604†	6712.0	6383.9	501.936	ug/L	501.936	ug/L	10:53:17
1	Pb 220.353†	882.3	853.8	496.965	ug/L	496.965	ug/L	10:53:17
1	Sb 217.584†	2985.7	3056.1	2192.06	ug/L	2192.06	ug/L	10:53:17
1	Se 196.026†	1101.7	1147.5	2456.83	ug/L	2456.83	ug/L	10:53:17
1	Si 251.611†	29227.4	29398.6	2513.98	ug/L	2513.98	ug/L	10:52:57
1	Sn 189.927†	5598.0	5624.2	2514.31	ug/L	2514.31	ug/L	10:53:17
1	Tl 190.801†	1993.4	2051.6	2476.49	ug/L	2476.49	ug/L	10:53:17

1	V 292.395†	22897.2	24319.4	498.363 ug/L	498.363 ug/L	10:52:57
1	Zn 206.200†	4786.0	4883.1	493.745 ug/L	493.745 ug/L	10:53:17
2	Sc 357.234	198417.6	198417.6	99.9393 %		10:52:31
2	Al 396.153†	8240.4	8059.3	2418.10 ug/L	2418.10 ug/L	10:52:31
2	Ba 455.398†	151692.5	151777.6	486.500 ug/L	486.500 ug/L	10:52:31
2	Ca 315.887†	7908.6	7793.6	5.02211 mg/L	5.02211 mg/L	10:52:51
2	Fe 238.204†	1238.2	1212.0	495.013 ug/L	495.013 ug/L	10:52:51
2	K 766.490	3746.0	3657.9	4.84526 mg/L	4.84526 mg/L	10:52:51
2	Li 670.784†	18189.2	18133.4	495.713 ug/L	495.713 ug/L	10:52:31
2	Mg 279.071†	2463.5	2453.1	5.05935 mg/L	5.05935 mg/L	10:52:51
2	Na 589.592†	34822.3	34122.1	4.91509 mg/L	4.91509 mg/L	10:52:31
2	Sr 407.771†	415135.6	415142.9	497.397 ug/L	497.397 ug/L	10:52:31
2	Ti 334.940†	7987.6	8017.6	511.804 ug/L	511.804 ug/L	10:52:51
2	Y 360.076	275619.8	275619.8	101.537 %		10:53:22
2	Ag 328.068†	33415.5	32802.5	495.006 ug/L	495.006 ug/L	10:53:22
2	As 188.979†	1667.0	1671.2	2388.50 ug/L	2388.50 ug/L	10:53:42
2	B 249.677†	9764.9	9271.6	486.628 ug/L	486.628 ug/L	10:53:22
2	Be 234.861†	9645.5	10372.8	48.1397 ug/L	48.1397 ug/L	10:53:42
2	Cd 214.437†	13682.7	13010.3	485.978 ug/L	485.978 ug/L	10:53:42
2	Ce 413.764†	865.0	-8.8	-0.335030 ug/L	-0.335030 ug/L	10:53:22
2	Co 228.616†	3122.4	3167.0	481.229 ug/L	481.229 ug/L	10:53:42
2	Cr 205.557†	6020.6	5962.3	494.124 ug/L	494.124 ug/L	10:53:42
2	Cu 327.397†	17420.9	17146.0	486.793 ug/L	486.793 ug/L	10:53:22
2	Mn 257.610†	73602.2	72037.5	486.194 ug/L	486.194 ug/L	10:53:22
2	Mo 202.031†	4281.1	4118.3	500.267 ug/L	500.267 ug/L	10:53:42
2	Ni 231.604†	6751.2	6280.2	493.729 ug/L	493.729 ug/L	10:53:42
2	Pb 220.353†	884.8	837.6	487.470 ug/L	487.470 ug/L	10:53:42
2	Sb 217.584†	2991.7	2998.7	2150.79 ug/L	2150.79 ug/L	10:53:42
2	Se 196.026†	1117.0	1139.3	2439.18 ug/L	2439.18 ug/L	10:53:42
2	Si 251.611†	29304.5	28854.8	2466.96 ug/L	2466.96 ug/L	10:53:22
2	Sn 189.927†	5626.1	5533.2	2473.52 ug/L	2473.52 ug/L	10:53:42
2	Tl 190.801†	2009.5	2025.2	2444.70 ug/L	2444.70 ug/L	10:53:42
2	V 292.395†	22886.0	23822.9	488.203 ug/L	488.203 ug/L	10:53:22
2	Zn 206.200†	4796.0	4791.5	484.427 ug/L	484.427 ug/L	10:53:42

Mean Data: 0B10018-SCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	198454.5	99.9579	%	0.02632				0.03%
Y 360.076	272715.5	100.467	%	1.5131				1.51%
Ag 328.068†	33129.2	499.939	ug/L	6.9768	499.939	ug/L	6.9768	1.40%
QC value within limits for Ag 328.068 Recovery = 99.99%								
Al 396.153†	7987.7	2396.38	ug/L	30.720	2396.38	ug/L	30.720	1.28%
QC value within limits for Al 396.153 Recovery = 95.86%								
As 188.979†	1688.4	2413.27	ug/L	35.021	2413.27	ug/L	35.021	1.45%
QC value within limits for As 188.979 Recovery = 96.53%								
B 249.677†	9359.4	491.298	ug/L	6.6046	491.298	ug/L	6.6046	1.34%
QC value within limits for B 249.677 Recovery = 98.26%								
Ba 455.398†	150750.3	483.214	ug/L	4.6465	483.214	ug/L	4.6465	0.96%
QC value within limits for Ba 455.398 Recovery = 96.64%								
Be 234.861†	10446.9	48.4866	ug/L	0.49063	48.4866	ug/L	0.49063	1.01%
QC value within limits for Be 234.861 Recovery = 96.97%								
Ca 315.887†	7797.1	5.02440	mg/L	0.003239	5.02440	mg/L	0.003239	0.06%
QC value within limits for Ca 315.887 Recovery = 100.49%								
Cd 214.437†	13144.9	491.040	ug/L	7.1583	491.040	ug/L	7.1583	1.46%
QC value within limits for Cd 214.437 Recovery = 98.21%								
Ce 413.764†	-22.2	-0.690807	ug/L	0.5031443	-0.690807	ug/L	0.5031443	72.83%
Co 228.616†	3187.6	484.385	ug/L	4.4637	484.385	ug/L	4.4637	0.92%
QC value within limits for Co 228.616 Recovery = 96.88%								
Cr 205.557†	6013.3	498.369	ug/L	6.0038	498.369	ug/L	6.0038	1.20%
QC value within limits for Cr 205.557 Recovery = 99.67%								
Cu 327.397†	17345.2	492.458	ug/L	8.0117	492.458	ug/L	8.0117	1.63%
QC value within limits for Cu 327.397 Recovery = 98.49%								
Fe 238.204†	1211.9	494.991	ug/L	0.0306	494.991	ug/L	0.0306	0.01%
QC value within limits for Fe 238.204 Recovery = 99.00%								
K 766.490	3651.1	4.83624	mg/L	0.012750	4.83624	mg/L	0.012750	0.26%
QC value within limits for K 766.490 Recovery = 96.72%								
Li 670.784†	17997.5	491.998	ug/L	5.2536	491.998	ug/L	5.2536	1.07%
QC value within limits for Li 670.784 Recovery = 98.40%								
Mg 279.071†	2453.9	5.06091	mg/L	0.002205	5.06091	mg/L	0.002205	0.04%

QC value within limits for Mg 279.071 Recovery = 101.22%

Mn 257.610†	72819.1	491.495 ug/L	7.4962	491.495 ug/L	7.4962	1.53%
QC value within limits for Mn 257.610 Recovery = 98.30%						
Mo 202.031†	4149.6	504.076 ug/L	5.3859	504.076 ug/L	5.3859	1.07%
QC value within limits for Mo 202.031 Recovery = 100.82%						
Na 589.592†	33894.2	4.88234 mg/L	0.046311	4.88234 mg/L	0.046311	0.95%
QC value within limits for Na 589.592 Recovery = 97.65%						
Ni 231.604†	6332.0	497.832 ug/L	5.8032	497.832 ug/L	5.8032	1.17%
QC value within limits for Ni 231.604 Recovery = 99.57%						
Pb 220.353†	845.7	492.218 ug/L	6.7142	492.218 ug/L	6.7142	1.36%
QC value within limits for Pb 220.353 Recovery = 98.44%						
Sb 217.584†	3027.4	2171.42 ug/L	29.183	2171.42 ug/L	29.183	1.34%
QC value less than the lower limit for Sb 217.584 Recovery = 86.86%						
Se 196.026†	1143.4	2448.01 ug/L	12.483	2448.01 ug/L	12.483	0.51%
QC value within limits for Se 196.026 Recovery = 97.92%						
Si 251.611†	29126.7	2490.47 ug/L	33.245	2490.47 ug/L	33.245	1.33%
QC value within limits for Si 251.611 Recovery = 99.62%						
Sn 189.927†	5578.7	2493.91 ug/L	28.847	2493.91 ug/L	28.847	1.16%
QC value within limits for Sn 189.927 Recovery = 99.76%						
Sr 407.771†	412232.3	493.917 ug/L	4.9223	493.917 ug/L	4.9223	1.00%
QC value within limits for Sr 407.771 Recovery = 98.78%						
Ti 334.940†	8022.9	512.141 ug/L	0.4770	512.141 ug/L	0.4770	0.09%
QC value within limits for Ti 334.940 Recovery = 102.43%						
Tl 190.801†	2038.4	2460.60 ug/L	22.479	2460.60 ug/L	22.479	0.91%
QC value within limits for Tl 190.801 Recovery = 98.42%						
V 292.395†	24071.1	493.283 ug/L	7.1841	493.283 ug/L	7.1841	1.46%
QC value within limits for V 292.395 Recovery = 98.66%						
Zn 206.200†	4837.3	489.086 ug/L	6.5890	489.086 ug/L	6.5890	1.35%
QC value within limits for Zn 206.200 Recovery = 97.82%						

QC Failed. Continue with analysis.

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Sequence No.: 7 **Autosampler Location: 1**
Sample ID: 0B10018-CCB **Date Collected: 2/10/2010 10:54:58 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0B10018-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	199769.0	199769.0	100.620	%			10:56:03
1	Al 396.153†	181.7	-5.6	-12.7874	ug/L	-12.7874	ug/L	10:56:03
1	Ba 455.398†	-4.9	-12.0	1.06226	ug/L	1.06226	ug/L	10:56:03
1	Ca 315.887†	125.7	5.0	-0.0076620	mg/L	-0.0076620	mg/L	10:56:23
1	Fe 238.204†	35.7	8.5	1.52319	ug/L	1.52319	ug/L	10:56:23
1	K 766.490	57.6	-30.5	-0.0545720	mg/L	-0.0545720	mg/L	10:56:03
1	Li 670.784†	55.4	-11.7	-0.0959458	ug/L	-0.0959458	ug/L	10:56:03
1	Mg 279.071†	14.6	2.7	-0.0040082	mg/L	-0.0040082	mg/L	10:56:23
1	Na 589.592†	709.0	-16.8	0.0098534	mg/L	0.0098534	mg/L	10:56:03
1	Sr 407.771†	264.9	18.2	0.965229	ug/L	0.965229	ug/L	10:56:03
1	Ti 334.940†	-29.5	-4.2	1.60495	ug/L	1.60495	ug/L	10:56:23
1	Y 360.076	271496.2	271496.2	100.018	%			10:56:54
1	Ag 328.068†	94.8	-12.3	-0.849866	ug/L	-0.849866	ug/L	10:57:14
1	As 188.979†	-38.7	-9.4	-19.3691	ug/L	-19.3691	ug/L	10:57:14
1	B 249.677†	517.7	172.1	3.39480	ug/L	3.39480	ug/L	10:57:14
1	Be 234.861†	-856.8	16.6	-0.132550	ug/L	-0.132550	ug/L	10:57:14
1	Cd 214.437†	463.8	-1.5	-2.71910	ug/L	-2.71910	ug/L	10:57:14
1	Ce 413.764†	838.1	-22.8	-0.608220	ug/L	-0.608220	ug/L	10:56:54
1	Co 228.616†	-96.4	-4.5	-3.03244	ug/L	-3.03244	ug/L	10:57:14
1	Cr 205.557†	-29.2	3.6	-1.86833	ug/L	-1.86833	ug/L	10:57:14
1	Cu 327.397†	21.0	9.9	-0.996999	ug/L	-0.996999	ug/L	10:56:54
1	Mn 257.610†	368.4	-82.0	-2.91300	ug/L	-2.91300	ug/L	10:57:14
1	Mo 202.031†	110.4	12.4	0.700889	ug/L	0.700889	ug/L	10:57:14
1	Ni 231.604†	382.1	13.2	-2.24270	ug/L	-2.24270	ug/L	10:57:14
1	Pb 220.353†	34.6	0.8	-2.70703	ug/L	-2.70703	ug/L	10:57:14
1	Sb 217.584†	-44.5	7.8	0.732566	ug/L	0.732566	ug/L	10:57:14
1	Se 196.026†	-39.8	-0.6	3.65607	ug/L	3.65607	ug/L	10:57:14
1	Si 251.611†	141.0	135.0	-3.87253	ug/L	-3.87253	ug/L	10:57:14
1	Sn 189.927†	18.4	10.7	-1.79121	ug/L	-1.79121	ug/L	10:57:14

1	Tl 190.801†	-38.8	7.3	8.92505 ug/L	8.92505 ug/L		10:57:14
1	V 292.395†	-1287.1	-3.4	-0.364344 ug/L	-0.364344 ug/L		10:57:14
1	Zn 206.200†	-73.8	-5.6	-3.23026 ug/L	-3.23026 ug/L		10:57:14
2	Sc 357.234	199683.0	199683.0	100.577 %			10:56:28
2	Al 396.153†	184.1	-3.0	-11.9836 ug/L	-11.9836 ug/L		10:56:28
2	Ba 455.398†	32.5	25.3	1.18139 ug/L	1.18139 ug/L		10:56:28
2	Ca 315.887†	128.1	7.5	-0.0060921 mg/L	-0.0060921 mg/L		10:56:48
2	Fe 238.204†	37.7	10.5	2.34776 ug/L	2.34776 ug/L		10:56:48
2	K 766.490	80.2	-7.9	-0.0245717 mg/L	-0.0245717 mg/L		10:56:28
2	Li 670.784†	46.4	-20.6	-0.339539 ug/L	-0.339539 ug/L		10:56:28
2	Mg 279.071†	23.7	11.7	0.0146872 mg/L	0.0146872 mg/L		10:56:48
2	Na 589.592†	736.2	10.6	0.0137839 mg/L	0.0137839 mg/L		10:56:28
2	Sr 407.771†	246.6	0.1	0.943637 ug/L	0.943637 ug/L		10:56:28
2	Ti 334.940†	-31.0	-5.7	1.50641 ug/L	1.50641 ug/L		10:56:48
2	Y 360.076	272322.2	272322.2	100.323 %			10:57:19
2	Ag 328.068†	113.0	5.5	-0.581122 ug/L	-0.581122 ug/L		10:57:39
2	As 188.979†	-34.8	-5.3	-13.5544 ug/L	-13.5544 ug/L		10:57:39
2	B 249.677†	507.7	160.7	2.78014 ug/L	2.78014 ug/L		10:57:39
2	Be 234.861†	-864.6	11.5	-0.156626 ug/L	-0.156626 ug/L		10:57:39
2	Cd 214.437†	468.7	1.9	-2.58797 ug/L	-2.58797 ug/L		10:57:39
2	Ce 413.764†	840.0	-23.5	-0.626795 ug/L	-0.626795 ug/L		10:57:19
2	Co 228.616†	-87.9	4.3	-1.68052 ug/L	-1.68052 ug/L		10:57:39
2	Cr 205.557†	-30.0	2.9	-1.92677 ug/L	-1.92677 ug/L		10:57:39
2	Cu 327.397†	15.8	4.6	-1.14622 ug/L	-1.14622 ug/L		10:57:19
2	Mn 257.610†	379.6	-71.9	-2.84463 ug/L	-2.84463 ug/L		10:57:39
2	Mo 202.031†	95.6	-2.6	-1.13090 ug/L	-1.13090 ug/L		10:57:39
2	Ni 231.604†	368.5	-1.4	-3.40976 ug/L	-3.40976 ug/L		10:57:39
2	Pb 220.353†	43.7	9.8	2.55317 ug/L	2.55317 ug/L		10:57:39
2	Sb 217.584†	-41.2	11.2	3.17470 ug/L	3.17470 ug/L		10:57:39
2	Se 196.026†	-37.6	1.6	8.53109 ug/L	8.53109 ug/L		10:57:39
2	Si 251.611†	108.0	101.7	-6.74552 ug/L	-6.74552 ug/L		10:57:39
2	Sn 189.927†	18.6	10.8	-1.73165 ug/L	-1.73165 ug/L		10:57:39
2	Tl 190.801†	-44.0	2.3	2.88235 ug/L	2.88235 ug/L		10:57:39
2	V 292.395†	-1286.2	1.4	-0.286331 ug/L	-0.286331 ug/L		10:57:39
2	Zn 206.200†	-64.6	3.7	-2.28631 ug/L	-2.28631 ug/L		10:57:39

Mean Data: 0B10018-CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	199726.0	100.598	%	0.0306				0.03%
Y 360.076	271909.2	100.170	%	0.2152				0.21%
Ag 328.068†	-3.4	-0.715494	ug/L	0.1900310	-0.715494	ug/L	0.1900310	26.56%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-4.3	-12.3855	ug/L	0.56837	-12.3855	ug/L	0.56837	4.59%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-7.4	-16.4617	ug/L	4.11160	-16.4617	ug/L	4.11160	24.98%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	166.4	3.08747	ug/L	0.434632	3.08747	ug/L	0.434632	14.08%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	6.6	1.12182	ug/L	0.084242	1.12182	ug/L	0.084242	7.51%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	14.1	-0.144588	ug/L	0.0170242	-0.144588	ug/L	0.0170242	11.77%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	6.3	-0.0068771	mg/L	0.00111002	-0.0068771	mg/L	0.00111002	16.14%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	0.2	-2.65354	ug/L	0.092721	-2.65354	ug/L	0.092721	3.49%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	-23.1	-0.617507	ug/L	0.0131350	-0.617507	ug/L	0.0131350	2.13%
Co 228.616†	-0.1	-2.35648	ug/L	0.955949	-2.35648	ug/L	0.955949	40.57%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	3.2	-1.89755	ug/L	0.041322	-1.89755	ug/L	0.041322	2.18%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	7.3	-1.07161	ug/L	0.105515	-1.07161	ug/L	0.105515	9.85%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	9.5	1.93547	ug/L	0.583061	1.93547	ug/L	0.583061	30.13%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	-19.2	-0.0395719	mg/L	0.02121343	-0.0395719	mg/L	0.02121343	53.61%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	-16.2	-0.217742	ug/L	0.1722462	-0.217742	ug/L	0.1722462	79.11%
QC value within limits for Li 670.784 Recovery = Not calculated								

Mg 279.071†	7.2	0.0053395 mg/L	0.01321966	0.0053395 mg/L	0.01321966	247.58%
QC value within limits for Mg 279.071 Recovery = Not calculated						
Mn 257.610†	-77.0	-2.87882 ug/L	0.048345	-2.87882 ug/L	0.048345	1.68%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	4.9	-0.215007 ug/L	1.2952719	-0.215007 ug/L	1.2952719	602.43%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	-3.1	0.0118187 mg/L	0.00277928	0.0118187 mg/L	0.00277928	23.52%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	5.9	-2.82623 ug/L	0.825235	-2.82623 ug/L	0.825235	29.20%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	5.3	-0.0769297 ug/L	3.71951717	-0.0769297 ug/L	3.71951717	>999.9%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 217.584†	9.5	1.95363 ug/L	1.726847	1.95363 ug/L	1.726847	88.39%
QC value within limits for Sb 217.584 Recovery = Not calculated						
Se 196.026†	0.5	6.09358 ug/L	3.447158	6.09358 ug/L	3.447158	56.57%
QC value within limits for Se 196.026 Recovery = Not calculated						
Si 251.611†	118.4	-5.30902 ug/L	2.031510	-5.30902 ug/L	2.031510	38.27%
QC value within limits for Si 251.611 Recovery = Not calculated						
Sn 189.927†	10.8	-1.76143 ug/L	0.042117	-1.76143 ug/L	0.042117	2.39%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	9.2	0.954433 ug/L	0.0152684	0.954433 ug/L	0.0152684	1.60%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 334.940†	-5.0	1.55568 ug/L	0.069678	1.55568 ug/L	0.069678	4.48%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Tl 190.801†	4.8	5.90370 ug/L	4.272836	5.90370 ug/L	4.272836	72.38%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.395†	-1.0	-0.325338 ug/L	0.0551634	-0.325338 ug/L	0.0551634	16.96%
QC value within limits for V 292.395 Recovery = Not calculated						
Zn 206.200†	-1.0	-2.75829 ug/L	0.667475	-2.75829 ug/L	0.667475	24.20%
QC value within limits for Zn 206.200 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 8 **Autosampler Location: 10**
Sample ID: 0B10018-CRL1 **Date Collected: 2/10/2010 10:58:54 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0B10018-CRL1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	200005.1	200005.1	100.739	%			11:00:00
1	Al 396.153†	622.8	432.2	116.032	ug/L	116.032	ug/L	11:00:00
1	Ba 455.398†	6491.0	6436.3	21.6846	ug/L	21.6846	ug/L	11:00:00
1	Ca 315.887†	1774.8	1641.9	1.04943	mg/L	1.04943	mg/L	11:00:20
1	Fe 238.204†	86.5	58.8	22.1157	ug/L	22.1157	ug/L	11:00:20
1	K 766.490	250.4	162.3	0.201566	mg/L	0.201566	mg/L	11:00:00
1	Li 670.784†	696.3	624.4	17.2862	ug/L	17.2862	ug/L	11:00:00
1	Mg 279.071†	531.7	516.0	1.05665	mg/L	1.05665	mg/L	11:00:20
1	Na 589.592†	7848.7	7069.7	1.02808	mg/L	1.02808	mg/L	11:00:00
1	Sr 407.771†	86720.4	85839.4	103.596	ug/L	103.596	ug/L	11:00:00
1	Ti 334.940†	3134.4	3136.5	201.360	ug/L	201.360	ug/L	11:00:00
1	Y 360.076	273097.6	273097.6	100.608	%			11:00:51
1	Ag 328.068†	790.1	678.2	9.59215	ug/L	9.59215	ug/L	11:01:11
1	As 188.979†	117.8	146.5	202.970	ug/L	202.970	ug/L	11:01:11
1	B 249.677†	2348.1	1988.4	99.9244	ug/L	99.9244	ug/L	11:01:11
1	Be 234.861†	-397.0	478.7	2.02173	ug/L	2.02173	ug/L	11:01:11
1	Cd 214.437†	767.5	297.5	8.54495	ug/L	8.54495	ug/L	11:01:11
1	Ce 413.764†	798.2	-67.4	-1.86965	ug/L	-1.86965	ug/L	11:00:51
1	Co 228.616†	47.0	138.6	18.4220	ug/L	18.4220	ug/L	11:01:11
1	Cr 205.557†	221.7	253.2	18.9109	ug/L	18.9109	ug/L	11:01:11
1	Cu 327.397†	739.1	723.5	19.4245	ug/L	19.4245	ug/L	11:00:51
1	Mn 257.610†	3574.7	3102.8	18.6858	ug/L	18.6858	ug/L	11:01:11
1	Mo 202.031†	1797.7	1688.8	204.674	ug/L	204.674	ug/L	11:01:11
1	Ni 231.604†	642.8	270.1	18.4117	ug/L	18.4117	ug/L	11:01:11
1	Pb 220.353†	216.3	181.2	103.224	ug/L	103.224	ug/L	11:01:11
1	Sb 217.584†	240.0	290.8	204.065	ug/L	204.065	ug/L	11:01:11
1	Se 196.026†	55.5	94.4	206.636	ug/L	206.636	ug/L	11:01:11
1	Si 251.611†	2513.7	2492.5	194.814	ug/L	194.814	ug/L	11:01:11

1	Sn 189.927†	475.9	465.3	202.104 ug/L	202.104 ug/L	11:01:11
1	Tl 190.801†	114.5	160.0	194.765 ug/L	194.765 ug/L	11:01:11
1	V 292.395†	-360.5	925.1	20.5271 ug/L	20.5271 ug/L	11:01:11
1	Zn 206.200†	145.4	212.6	19.0652 ug/L	19.0652 ug/L	11:01:11
2	Sc 357.234	200263.7	200263.7	100.869 %		11:00:25
2	Al 396.153†	601.9	410.6	109.558 ug/L	109.558 ug/L	11:00:25
2	Ba 455.398†	6505.0	6441.9	21.7024 ug/L	21.7024 ug/L	11:00:25
2	Ca 315.887†	1790.4	1655.1	1.05792 mg/L	1.05792 mg/L	11:00:45
2	Fe 238.204†	88.0	60.3	22.7012 ug/L	22.7012 ug/L	11:00:45
2	K 766.490	286.8	198.7	0.249897 mg/L	0.249897 mg/L	11:00:25
2	Li 670.784†	687.4	614.7	17.0198 ug/L	17.0198 ug/L	11:00:25
2	Mg 279.071†	540.3	523.9	1.07297 mg/L	1.07297 mg/L	11:00:45
2	Na 589.592†	7945.7	7155.8	1.04045 mg/L	1.04045 mg/L	11:00:25
2	Sr 407.771†	87348.5	86350.8	104.207 ug/L	104.207 ug/L	11:00:25
2	Ti 334.940†	3137.2	3135.3	201.282 ug/L	201.282 ug/L	11:00:25
2	Y 360.076	274480.1	274480.1	101.117 %		11:01:16
2	Ag 328.068†	789.9	674.2	9.53472 ug/L	9.53472 ug/L	11:01:36
2	As 188.979†	117.7	145.8	201.966 ug/L	201.966 ug/L	11:01:36
2	B 249.677†	2368.5	1996.9	100.374 ug/L	100.374 ug/L	11:01:36
2	Be 234.861†	-416.6	461.3	1.94007 ug/L	1.94007 ug/L	11:01:36
2	Cd 214.437†	761.1	287.4	8.16529 ug/L	8.16529 ug/L	11:01:36
2	Ce 413.764†	831.9	-38.0	-1.08602 ug/L	-1.08602 ug/L	11:01:16
2	Co 228.616†	49.4	140.7	18.7559 ug/L	18.7559 ug/L	11:01:36
2	Cr 205.557†	223.3	253.6	18.9469 ug/L	18.9469 ug/L	11:01:36
2	Cu 327.397†	781.9	762.2	20.5241 ug/L	20.5241 ug/L	11:01:16
2	Mn 257.610†	3602.0	3111.9	18.7476 ug/L	18.7476 ug/L	11:01:36
2	Mo 202.031†	1790.9	1673.1	202.760 ug/L	202.760 ug/L	11:01:36
2	Ni 231.604†	633.6	257.8	17.4298 ug/L	17.4298 ug/L	11:01:36
2	Pb 220.353†	221.2	185.0	105.459 ug/L	105.459 ug/L	11:01:36
2	Sb 217.584†	237.4	287.0	201.345 ug/L	201.345 ug/L	11:01:36
2	Se 196.026†	61.6	100.1	218.783 ug/L	218.783 ug/L	11:01:36
2	Si 251.611†	2520.1	2486.3	194.273 ug/L	194.273 ug/L	11:01:36
2	Sn 189.927†	472.8	459.9	199.692 ug/L	199.692 ug/L	11:01:36
2	Tl 190.801†	120.0	164.9	200.665 ug/L	200.665 ug/L	11:01:36
2	V 292.395†	-329.6	957.5	21.1631 ug/L	21.1631 ug/L	11:01:36
2	Zn 206.200†	129.4	196.1	17.3807 ug/L	17.3807 ug/L	11:01:36

Mean Data: 0B10018-CRL1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	200134.4	100.804	%	0.0921				0.09%
Y 360.076	273788.8	100.863	%	0.3601				0.36%
Ag 328.068†	676.2	9.56344	ug/L	0.040607	9.56344	ug/L	0.040607	0.42%
QC value within limits for Ag 328.068 Recovery = 95.63%								
Al 396.153†	421.4	112.795	ug/L	4.5778	112.795	ug/L	4.5778	4.06%
QC value within limits for Al 396.153 Recovery = 112.79%								
As 188.979†	146.1	202.468	ug/L	0.7101	202.468	ug/L	0.7101	0.35%
QC value within limits for As 188.979 Recovery = 101.23%								
B 249.677†	1992.7	100.149	ug/L	0.3182	100.149	ug/L	0.3182	0.32%
QC value within limits for B 249.677 Recovery = 100.15%								
Ba 455.398†	6439.1	21.6935	ug/L	0.01265	21.6935	ug/L	0.01265	0.06%
QC value within limits for Ba 455.398 Recovery = 108.47%								
Be 234.861†	470.0	1.98090	ug/L	0.057741	1.98090	ug/L	0.057741	2.91%
QC value within limits for Be 234.861 Recovery = 99.04%								
Ca 315.887†	1648.5	1.05367	mg/L	0.006001	1.05367	mg/L	0.006001	0.57%
QC value within limits for Ca 315.887 Recovery = 105.37%								
Cd 214.437†	292.5	8.35512	ug/L	0.268458	8.35512	ug/L	0.268458	3.21%
QC value within limits for Cd 214.437 Recovery = 83.55%								
Ce 413.764†	-52.7	-1.47784	ug/L	0.554107	-1.47784	ug/L	0.554107	37.49%
Co 228.616†	139.7	18.5890	ug/L	0.23608	18.5890	ug/L	0.23608	1.27%
QC value within limits for Co 228.616 Recovery = 92.94%								
Cr 205.557†	253.4	18.9289	ug/L	0.02548	18.9289	ug/L	0.02548	0.13%
QC value within limits for Cr 205.557 Recovery = 94.64%								
Cu 327.397†	742.9	19.9743	ug/L	0.77750	19.9743	ug/L	0.77750	3.89%
QC value within limits for Cu 327.397 Recovery = 99.87%								
Fe 238.204†	59.5	22.4084	ug/L	0.41402	22.4084	ug/L	0.41402	1.85%
QC value within limits for Fe 238.204 Recovery = 112.04%								
K 766.490	180.5	0.225731	mg/L	0.0341753	0.225731	mg/L	0.0341753	15.14%
QC value within limits for K 766.490 Recovery = 112.87%								
Li 670.784†	619.6	17.1530	ug/L	0.18841	17.1530	ug/L	0.18841	1.10%

QC value within limits for Li 670.784 Recovery = 107.21%						
Mg 279.071†	519.9	1.06481 mg/L	0.011535	1.06481 mg/L	0.011535	1.08%
QC value within limits for Mg 279.071 Recovery = 106.48%						
Mn 257.610†	3107.3	18.7167 ug/L	0.04367	18.7167 ug/L	0.04367	0.23%
QC value within limits for Mn 257.610 Recovery = 93.58%						
Mo 202.031†	1681.0	203.717 ug/L	1.3532	203.717 ug/L	1.3532	0.66%
QC value within limits for Mo 202.031 Recovery = 101.86%						
Na 589.592†	7112.8	1.03426 mg/L	0.008747	1.03426 mg/L	0.008747	0.85%
QC value within limits for Na 589.592 Recovery = 103.43%						
Ni 231.604†	263.9	17.9208 ug/L	0.69433	17.9208 ug/L	0.69433	3.87%
QC value within limits for Ni 231.604 Recovery = 89.60%						
Pb 220.353†	183.1	104.342 ug/L	1.5801	104.342 ug/L	1.5801	1.51%
QC value within limits for Pb 220.353 Recovery = 104.34%						
Sb 217.584†	288.9	202.705 ug/L	1.9237	202.705 ug/L	1.9237	0.95%
QC value within limits for Sb 217.584 Recovery = 101.35%						
Se 196.026†	97.2	212.710 ug/L	8.5890	212.710 ug/L	8.5890	4.04%
QC value within limits for Se 196.026 Recovery = 106.35%						
Si 251.611†	2489.4	194.543 ug/L	0.3819	194.543 ug/L	0.3819	0.20%
QC value within limits for Si 251.611 Recovery = 97.27%						
Sn 189.927†	462.6	200.898 ug/L	1.7052	200.898 ug/L	1.7052	0.85%
QC value within limits for Sn 189.927 Recovery = 100.45%						
Sr 407.771†	86095.1	103.901 ug/L	0.4325	103.901 ug/L	0.4325	0.42%
QC value within limits for Sr 407.771 Recovery = 103.90%						
Ti 334.940†	3135.9	201.321 ug/L	0.0552	201.321 ug/L	0.0552	0.03%
QC value within limits for Ti 334.940 Recovery = 100.66%						
Tl 190.801†	162.4	197.715 ug/L	4.1721	197.715 ug/L	4.1721	2.11%
QC value within limits for Tl 190.801 Recovery = 98.86%						
V 292.395†	941.3	20.8451 ug/L	0.44977	20.8451 ug/L	0.44977	2.16%
QC value within limits for V 292.395 Recovery = 104.23%						
Zn 206.200†	204.3	18.2229 ug/L	1.19116	18.2229 ug/L	1.19116	6.54%
QC value within limits for Zn 206.200 Recovery = 91.11%						

All analyte(s) passed QC.

Sequence No.: 9 **Autosampler Location: 11**
Sample ID: 0B10018-IFA1 **Date Collected: 2/10/2010 11:02:52 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0B10018-IFA1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	198855.7	198855.7	100.160	%			11:03:58
1	Al 396.153†	325206.0	324500.5	98150.3	ug/L	98150.3	ug/L	11:03:58
1	Ba 455.398†	61.8	54.6	1.27528	ug/L	1.27528	ug/L	11:04:18
1	Ca 315.887†	150302.3	149942.4	96.8209	mg/L	96.8209	mg/L	11:03:58
1	Fe 238.204†	94339.7	94162.1	38656.0	ug/L	38656.0	ug/L	11:03:58
1	K 766.490	81.0	-7.1	-0.0235323	mg/L	-0.0235323	mg/L	11:04:18
1	Li 670.784†	5.7	-61.1	-1.44624	ug/L	-1.44624	ug/L	11:04:18
1	Mg 279.071†	46928.9	46842.1	96.7793	mg/L	96.7793	mg/L	11:03:58
1	Na 589.592†	679.6	-42.9	0.0060984	mg/L	0.0060984	mg/L	11:04:18
1	Sr 407.771†	985.4	738.8	1.82693	ug/L	1.82693	ug/L	11:04:18
1	Ti 334.940†	-35.0	-9.8	1.24582	ug/L	1.24582	ug/L	11:04:18
1	Y 360.076	263705.4	263705.4	97.1481	%			11:04:50
1	Ag 328.068†	-369.6	-487.5	-1.89145	ug/L	-1.89145	ug/L	11:04:50
1	As 188.979†	-31.6	-3.2	-10.4116	ug/L	-10.4116	ug/L	11:05:10
1	B 249.677†	446.0	113.7	4.63942	ug/L	4.63942	ug/L	11:04:50
1	Be 234.861†	2000.9	2932.9	-0.167111	ug/L	-0.167111	ug/L	11:04:50
1	Cd 214.437†	784.2	341.9	-3.95401	ug/L	-3.95401	ug/L	11:05:10
1	Ce 413.764†	738.1	-101.0	-2.69268	ug/L	-2.69268	ug/L	11:04:50
1	Co 228.616†	-77.3	12.3	-1.81365	ug/L	-1.81365	ug/L	11:05:10
1	Cr 205.557†	-59.5	-28.4	-2.15687	ug/L	-2.15687	ug/L	11:05:10
1	Cu 327.397†	37.8	27.8	-0.486323	ug/L	-0.486323	ug/L	11:04:50
1	Mn 257.610†	602.0	169.4	0.245523	ug/L	0.245523	ug/L	11:04:50
1	Mo 202.031†	169.0	76.0	8.43313	ug/L	8.43313	ug/L	11:05:10
1	Ni 231.604†	368.4	10.5	-2.45148	ug/L	-2.45148	ug/L	11:05:10
1	Pb 220.353†	37.3	4.6	-0.498804	ug/L	-0.498804	ug/L	11:05:10
1	Sb 217.584†	-287.4	-243.6	-63.6322	ug/L	-63.6322	ug/L	11:05:10
1	Se 196.026†	-65.3	-28.0	-9.28759	ug/L	-9.28759	ug/L	11:05:10

1	Si 251.611†	232.6	233.5	14.5611 ug/L	14.5611 ug/L	11:05:10
1	Sn 189.927†	-89.5	-99.8	-30.1862 ug/L	-30.1862 ug/L	11:05:10
1	Tl 190.801†	-67.3	-23.2	-27.8497 ug/L	-27.8497 ug/L	11:05:10
1	V 292.395†	-1052.8	199.7	-3.22784 ug/L	-3.22784 ug/L	11:05:10
1	Zn 206.200†	-20.3	47.2	-5.06062 ug/L	-5.06062 ug/L	11:05:10
2	Sc 357.234	197099.2	197099.2	99.2752 %		11:04:23
2	Al 396.153†	329893.3	332115.6	100454 ug/L	100454 ug/L	11:04:23
2	Ba 455.398†	82.6	76.1	1.34391 ug/L	1.34391 ug/L	11:04:43
2	Ca 315.887†	152332.3	153324.5	99.0051 mg/L	99.0051 mg/L	11:04:23
2	Fe 238.204†	95676.4	96347.9	39553.4 ug/L	39553.4 ug/L	11:04:23
2	K 766.490	72.9	-15.2	-0.0342321 mg/L	-0.0342321 mg/L	11:04:43
2	Li 670.784†	55.0	-11.4	-0.0871651 ug/L	-0.0871651 ug/L	11:04:43
2	Mg 279.071†	47507.7	47842.7	98.8468 mg/L	98.8468 mg/L	11:04:23
2	Na 589.592†	646.2	-70.5	0.0021330 mg/L	0.0021330 mg/L	11:04:43
2	Sr 407.771†	957.8	719.7	1.80418 ug/L	1.80418 ug/L	11:04:43
2	Ti 334.940†	-44.8	-20.0	0.597585 ug/L	0.597585 ug/L	11:04:43
2	Y 360.076	262752.9	262752.9	96.7972 %		11:05:15
2	Ag 328.068†	-422.4	-543.4	-2.58541 ug/L	-2.58541 ug/L	11:05:15
2	As 188.979†	-24.7	3.8	-0.449228 ug/L	-0.449228 ug/L	11:05:35
2	B 249.677†	425.3	93.9	3.68670 ug/L	3.68670 ug/L	11:05:15
2	Be 234.861†	2005.3	2944.9	-0.428636 ug/L	-0.428636 ug/L	11:05:15
2	Cd 214.437†	792.9	353.8	-3.83723 ug/L	-3.83723 ug/L	11:05:35
2	Ce 413.764†	797.3	-37.1	-0.989638 ug/L	-0.989638 ug/L	11:05:15
2	Co 228.616†	-73.7	15.7	-1.31997 ug/L	-1.31997 ug/L	11:05:35
2	Cr 205.557†	-54.4	-23.4	-1.67943 ug/L	-1.67943 ug/L	11:05:35
2	Cu 327.397†	34.5	24.6	-0.579518 ug/L	-0.579518 ug/L	11:05:15
2	Mn 257.610†	598.6	168.1	0.270534 ug/L	0.270534 ug/L	11:05:15
2	Mo 202.031†	169.2	76.9	8.54226 ug/L	8.54226 ug/L	11:05:35
2	Ni 231.604†	374.4	18.0	-1.86077 ug/L	-1.86077 ug/L	11:05:35
2	Pb 220.353†	29.7	-3.1	-5.02882 ug/L	-5.02882 ug/L	11:05:35
2	Sb 217.584†	-293.5	-251.0	-66.2503 ug/L	-66.2503 ug/L	11:05:35
2	Se 196.026†	-69.7	-32.9	-18.6369 ug/L	-18.6369 ug/L	11:05:35
2	Si 251.611†	240.3	242.3	15.5703 ug/L	15.5703 ug/L	11:05:35
2	Sn 189.927†	-73.9	-84.1	-22.6484 ug/L	-22.6484 ug/L	11:05:35
2	Tl 190.801†	-56.8	-12.5	-14.9979 ug/L	-14.9979 ug/L	11:05:35
2	V 292.395†	-1044.1	204.8	-3.28733 ug/L	-3.28733 ug/L	11:05:35
2	Zn 206.200†	-8.4	59.5	-3.97538 ug/L	-3.97538 ug/L	11:05:35

Mean Data: 0B10018-IFA1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	197977.5	99.7176	%	0.62559				0.63%
Y 360.076	263229.1	96.9727	%	0.24813				0.26%
Ag 328.068†	-515.5	-2.23843	ug/L	0.490703	-2.23843	ug/L	0.490703	21.92%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	328308.0	99302.1	ug/L	1628.84	99302.1	ug/L	1628.84	1.64%
QC value within limits for Al 396.153 Recovery = 99.30%								
As 188.979†	0.3	-5.43044	ug/L	7.044492	-5.43044	ug/L	7.044492	129.72%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	103.8	4.16306	ug/L	0.673674	4.16306	ug/L	0.673674	16.18%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	65.4	1.30960	ug/L	0.048529	1.30960	ug/L	0.048529	3.71%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	2938.9	-0.297873	ug/L	0.1849258	-0.297873	ug/L	0.1849258	62.08%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	151633.4	97.9130	mg/L	1.54445	97.9130	mg/L	1.54445	1.58%
QC value within limits for Ca 315.887 Recovery = 97.91%								
Cd 214.437†	347.8	-3.89562	ug/L	0.082576	-3.89562	ug/L	0.082576	2.12%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	-69.0	-1.84116	ug/L	1.204234	-1.84116	ug/L	1.204234	65.41%
Co 228.616†	14.0	-1.56681	ug/L	0.349082	-1.56681	ug/L	0.349082	22.28%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	-25.9	-1.91815	ug/L	0.337601	-1.91815	ug/L	0.337601	17.60%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	26.2	-0.532921	ug/L	0.0658984	-0.532921	ug/L	0.0658984	12.37%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	95255.0	39104.7	ug/L	634.55	39104.7	ug/L	634.55	1.62%
QC value within limits for Fe 238.204 Recovery = 97.76%								
K 766.490	-11.2	-0.0288822	mg/L	0.00756593	-0.0288822	mg/L	0.00756593	26.20%
QC value within limits for K 766.490 Recovery = Not calculated								

Li 670.784†	-36.3	-0.766705 ug/L	0.9610142	-0.766705 ug/L	0.9610142	125.34%
QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.071†	47342.4	97.8130 mg/L	1.46195	97.8130 mg/L	1.46195	1.49%
QC value within limits for Mg 279.071 Recovery = 97.81%						
Mn 257.610†	168.7	0.258028 ug/L	0.0176853	0.258028 ug/L	0.0176853	6.85%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	76.4	8.48770 ug/L	0.077167	8.48770 ug/L	0.077167	0.91%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	-56.7	0.0041157 mg/L	0.00280399	0.0041157 mg/L	0.00280399	68.13%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	14.2	-2.15613 ug/L	0.417694	-2.15613 ug/L	0.417694	19.37%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	0.7	-2.76381 ug/L	3.203207	-2.76381 ug/L	3.203207	115.90%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 217.584†	-247.3	-64.9412 ug/L	1.85130	-64.9412 ug/L	1.85130	2.85%
QC value within limits for Sb 217.584 Recovery = Not calculated						
Se 196.026†	-30.4	-13.9622 ug/L	6.61097	-13.9622 ug/L	6.61097	47.35%
QC value within limits for Se 196.026 Recovery = Not calculated						
Si 251.611†	237.9	15.0657 ug/L	0.71358	15.0657 ug/L	0.71358	4.74%
QC value within limits for Si 251.611 Recovery = Not calculated						
Sn 189.927†	-92.0	-26.4173 ug/L	5.33004	-26.4173 ug/L	5.33004	20.18%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	729.2	1.81555 ug/L	0.016087	1.81555 ug/L	0.016087	0.89%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 334.940†	-14.9	0.921703 ug/L	0.4583718	0.921703 ug/L	0.4583718	49.73%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Tl 190.801†	-17.8	-21.4238 ug/L	9.08765	-21.4238 ug/L	9.08765	42.42%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.395†	202.2	-3.25758 ug/L	0.042065	-3.25758 ug/L	0.042065	1.29%
QC value within limits for V 292.395 Recovery = Not calculated						
Zn 206.200†	53.4	-4.51800 ug/L	0.767382	-4.51800 ug/L	0.767382	16.99%
QC value within limits for Zn 206.200 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 10 **Autosampler Location: 12**
Sample ID: 0B10018-IFA2 **Date Collected: 2/10/2010 11:08:51 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0B10018-IFA2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	201725.7	201725.7	101.606	%			11:09:57
1	Al 396.153†	479.6	285.9	61.4086	ug/L	61.4086	ug/L	11:09:57
1	Ba 455.398†	-41.5	-47.9	0.947284	ug/L	0.947284	ug/L	11:09:57
1	Ca 315.887†	137.7	15.7	-0.0007738	mg/L	-0.0007738	mg/L	11:10:18
1	Fe 238.204†	46.2	18.5	-3.04688	ug/L	-3.04688	ug/L	11:10:18
1	K 766.490	79.4	-8.7	-0.0256727	mg/L	-0.0256727	mg/L	11:09:57
1	Li 670.784†	130.6	61.8	1.91183	ug/L	1.91183	ug/L	11:09:57
1	Mg 279.071†	-70.0	-80.7	-0.176200	mg/L	-0.176200	mg/L	11:10:18
1	Na 589.592†	971.5	234.7	0.0459870	mg/L	0.0459870	mg/L	11:09:57
1	Sr 407.771†	295.0	45.3	0.997587	ug/L	0.997587	ug/L	11:09:57
1	Ti 334.940†	316217.4	311245.7	19797.7	ug/L	19797.7	ug/L	11:09:57
1	Y 360.076	264924.1	264924.1	97.5971	%			11:10:50
1	Ag 328.068†	90.4	-14.5	3.67217	ug/L	3.67217	ug/L	11:10:55
1	As 188.979†	77.3	108.6	-27.4396	ug/L	-27.4396	ug/L	11:11:15
1	B 249.677†	455.1	120.9	11.4316	ug/L	11.4316	ug/L	11:11:15
1	Be 234.861†	-820.9	32.2	-0.0614394	ug/L	-0.0614394	ug/L	11:11:15
1	Cd 214.437†	786.4	340.5	-1.89058	ug/L	-1.89058	ug/L	11:10:55
1	Ce 413.764†	1031.9	196.5	1.71063	ug/L	1.71063	ug/L	11:10:55
1	Co 228.616†	190.9	287.5	-2.57058	ug/L	-2.57058	ug/L	11:11:15
1	Cr 205.557†	236277.2	242127.3	20150.5	ug/L	20150.5	ug/L	11:10:50
1	Cu 327.397†	728745.6	746676.7	21256.4	ug/L	21256.4	ug/L	11:10:50
1	Mn 257.610†	2872498.2	2942770.6	19954.5	ug/L	19954.5	ug/L	11:10:50
1	Mo 202.031†	122.8	27.9	2.58331	ug/L	2.58331	ug/L	11:11:15
1	Ni 231.604†	254208.3	260098.3	20576.3	ug/L	20576.3	ug/L	11:10:50
1	Pb 220.353†	77.7	45.8	-18.4463	ug/L	-18.4463	ug/L	11:11:15
1	Sb 217.584†	-132.6	-83.5	-28.8414	ug/L	-28.8414	ug/L	11:11:15

1	Se 196.026†	-43.1	-5.0	-5.70983 ug/L	-5.70983 ug/L	11:11:15
1	Si 251.611†	9582.1	9812.1	314.687 ug/L	314.687 ug/L	11:10:55
1	Sn 189.927†	-36.9	-45.5	-26.9575 ug/L	-26.9575 ug/L	11:11:15
1	Tl 190.801†	-231.8	-191.3	-5.89879 ug/L	-5.89879 ug/L	11:11:15
1	V 292.395†	978726.5	1004106.8	20370.2 ug/L	20370.2 ug/L	11:10:50
1	Zn 206.200†	97.5	168.0	6.30115 ug/L	6.30115 ug/L	11:10:55
2	Sc 357.234	201357.0	201357.0	101.420 %		11:10:23
2	Al 396.153†	502.9	309.8	68.5695 ug/L	68.5695 ug/L	11:10:23
2	Ba 455.398†	38.8	31.2	1.20046 ug/L	1.20046 ug/L	11:10:23
2	Ca 315.887†	141.6	19.7	0.0018164 mg/L	0.0018164 mg/L	11:10:43
2	Fe 238.204†	41.4	13.8	-5.00945 ug/L	-5.00945 ug/L	11:10:43
2	K 766.490	98.7	10.5	-0.0000511 mg/L	-0.0000511 mg/L	11:10:23
2	Li 670.784†	171.6	102.4	3.02157 ug/L	3.02157 ug/L	11:10:23
2	Mg 279.071†	-77.9	-88.7	-0.192706 mg/L	-0.192706 mg/L	11:10:43
2	Na 589.592†	961.7	226.8	0.0448511 mg/L	0.0448511 mg/L	11:10:23
2	Sr 407.771†	285.4	36.4	0.987012 ug/L	0.987012 ug/L	11:10:23
2	Ti 334.940†	317034.0	312620.8	19885.1 ug/L	19885.1 ug/L	11:10:23
2	Y 360.076	268377.6	268377.6	98.8694 %		11:11:21
2	Ag 328.068†	77.5	-28.7	3.48016 ug/L	3.48016 ug/L	11:11:26
2	As 188.979†	79.5	109.8	-26.5698 ug/L	-26.5698 ug/L	11:11:46
2	B 249.677†	462.4	122.2	11.5783 ug/L	11.5783 ug/L	11:11:46
2	Be 234.861†	-822.1	41.8	-0.0161204 ug/L	-0.0161204 ug/L	11:11:46
2	Cd 214.437†	808.3	352.2	-1.54338 ug/L	-1.54338 ug/L	11:11:26
2	Ce 413.764†	1088.4	240.1	2.85471 ug/L	2.85471 ug/L	11:11:26
2	Co 228.616†	202.5	296.7	-1.36037 ug/L	-1.36037 ug/L	11:11:46
2	Cr 205.557†	240713.6	243499.1	20264.7 ug/L	20264.7 ug/L	11:11:21
2	Cu 327.397†	739108.9	747550.1	21281.3 ug/L	21281.3 ug/L	11:11:21
2	Mn 257.610†	2921939.6	2954903.8	20036.7 ug/L	20036.7 ug/L	11:11:21
2	Mo 202.031†	123.5	27.0	2.47610 ug/L	2.47610 ug/L	11:11:46
2	Ni 231.604†	259237.9	261833.7	20713.6 ug/L	20713.6 ug/L	11:11:21
2	Pb 220.353†	79.1	46.2	-18.2409 ug/L	-18.2409 ug/L	11:11:46
2	Sb 217.584†	-135.6	-84.9	-29.6223 ug/L	-29.6223 ug/L	11:11:46
2	Se 196.026†	-44.6	-6.0	-7.68257 ug/L	-7.68257 ug/L	11:11:46
2	Si 251.611†	9834.4	9941.0	323.542 ug/L	323.542 ug/L	11:11:26
2	Sn 189.927†	-39.0	-47.1	-27.7009 ug/L	-27.7009 ug/L	11:11:46
2	Tl 190.801†	-235.9	-192.5	-6.29790 ug/L	-6.29790 ug/L	11:11:46
2	V 292.395†	995213.3	1007877.7	20446.7 ug/L	20446.7 ug/L	11:11:21
2	Zn 206.200†	105.5	174.9	6.94962 ug/L	6.94962 ug/L	11:11:26

Mean Data: 0B10018-IFA2

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	201541.4	101.513	%	0.1313				0.13%
Y 360.076	266650.9	98.2332	%	0.89962				0.92%
Ag 328.068†	-21.6	3.57617	ug/L	0.135774	3.57617	ug/L	0.135774	3.80%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	297.8	64.9890	ug/L	5.06354	64.9890	ug/L	5.06354	7.79%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	109.2	-27.0047	ug/L	0.61502	-27.0047	ug/L	0.61502	2.28%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	121.5	11.5049	ug/L	0.10369	11.5049	ug/L	0.10369	0.90%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	-8.4	1.07387	ug/L	0.179025	1.07387	ug/L	0.179025	16.67%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	37.0	-0.0387799	ug/L	0.03204536	-0.0387799	ug/L	0.03204536	82.63%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	17.7	0.0005213	mg/L	0.00183155	0.0005213	mg/L	0.00183155	351.33%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	346.4	-1.71698	ug/L	0.245512	-1.71698	ug/L	0.245512	14.30%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	218.3	2.28267	ug/L	0.808983	2.28267	ug/L	0.808983	35.44%
Co 228.616†	292.1	-1.96547	ug/L	0.855743	-1.96547	ug/L	0.855743	43.54%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	242813.2	20207.6	ug/L	80.73	20207.6	ug/L	80.73	0.40%
QC value within limits for Cr 205.557 Recovery = 101.04%								
Cu 327.397†	747113.4	21268.9	ug/L	17.62	21268.9	ug/L	17.62	0.08%
QC value within limits for Cu 327.397 Recovery = 106.34%								
Fe 238.204†	16.2	-4.02816	ug/L	1.387751	-4.02816	ug/L	1.387751	34.45%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	0.9	-0.0128619	mg/L	0.01811717	-0.0128619	mg/L	0.01811717	140.86%

QC value within limits for K 766.490 Recovery = Not calculated

Li 670.784†	82.1	2.46670 ug/L	0.784709	2.46670 ug/L	0.784709	31.81%
QC value within limits for Li 670.784 Recovery = Not calculated							
Mg 279.071†	-84.7	-0.184453 mg/L	0.0116711	-0.184453 mg/L	0.0116711	6.33%
QC value within limits for Mg 279.071 Recovery = Not calculated							
Mn 257.610†	2948837.2	19995.6 ug/L	58.18	19995.6 ug/L	58.18	0.29%
QC value within limits for Mn 257.610 Recovery = 99.98%							
Mo 202.031†	27.4	2.52971 ug/L	0.075809	2.52971 ug/L	0.075809	3.00%
QC value within limits for Mo 202.031 Recovery = Not calculated							
Na 589.592†	230.8	0.0454190 mg/L	0.00080319	0.0454190 mg/L	0.00080319	1.77%
QC value within limits for Na 589.592 Recovery = Not calculated							
Ni 231.604†	260966.0	20644.9 ug/L	97.09	20644.9 ug/L	97.09	0.47%
QC value within limits for Ni 231.604 Recovery = 103.22%							
Pb 220.353†	46.0	-18.3436 ug/L	0.14525	-18.3436 ug/L	0.14525	0.79%
QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb 217.584†	-84.2	-29.2319 ug/L	0.55213	-29.2319 ug/L	0.55213	1.89%
QC value within limits for Sb 217.584 Recovery = Not calculated							
Se 196.026†	-5.5	-6.69620 ug/L	1.394934	-6.69620 ug/L	1.394934	20.83%
QC value within limits for Se 196.026 Recovery = Not calculated							
Si 251.611†	9876.5	319.114 ug/L	6.2609	319.114 ug/L	6.2609	1.96%
QC value within limits for Si 251.611 Recovery = Not calculated							
Sn 189.927†	-46.3	-27.3292 ug/L	0.52563	-27.3292 ug/L	0.52563	1.92%
QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr 407.771†	40.8	0.992300 ug/L	0.0074783	0.992300 ug/L	0.0074783	0.75%
QC value within limits for Sr 407.771 Recovery = Not calculated							
Ti 334.940†	311933.3	19841.4 ug/L	61.84	19841.4 ug/L	61.84	0.31%
QC value within limits for Ti 334.940 Recovery = 99.21%							
Tl 190.801†	-191.9	-6.09834 ug/L	0.282207	-6.09834 ug/L	0.282207	4.63%
QC value within limits for Tl 190.801 Recovery = Not calculated							
V 292.395†	1005992.2	20408.5 ug/L	54.08	20408.5 ug/L	54.08	0.26%
QC value within limits for V 292.395 Recovery = 102.04%							
Zn 206.200†	171.5	6.62538 ug/L	0.458540	6.62538 ug/L	0.458540	6.92%
QC value within limits for Zn 206.200 Recovery = Not calculated							

All analyte(s) passed QC.

Sequence No.: 11 **Autosampler Location: 13**
Sample ID: 0B10018-IFB1 **Date Collected: 2/10/2010 11:15:03 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0B10018-IFB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	195575.8	195575.8	98.5079	%			11:16:09
1	Al 396.153†	326856.9	331621.7	100304	ug/L	100304	ug/L	11:16:09
1	Ba 455.398†	137540.7	139616.9	447.609	ug/L	447.609	ug/L	11:16:09
1	Ca 315.887†	150422.4	152581.0	98.5249	mg/L	98.5249	mg/L	11:16:09
1	Fe 238.204†	94334.8	95736.7	39302.0	ug/L	39302.0	ug/L	11:16:09
1	K 766.490	62.1	-26.1	-0.0486714	mg/L	-0.0486714	mg/L	11:16:29
1	Li 670.784†	31.4	-34.9	-0.730823	ug/L	-0.730823	ug/L	11:16:29
1	Mg 279.071†	47103.4	47805.0	98.7689	mg/L	98.7689	mg/L	11:16:09
1	Na 589.592†	676.2	-34.9	0.0072463	mg/L	0.0072463	mg/L	11:16:29
1	Sr 407.771†	985.0	754.9	1.84625	ug/L	1.84625	ug/L	11:16:29
1	Ti 334.940†	-36.3	-11.8	1.12346	ug/L	1.12346	ug/L	11:16:29
1	Y 360.076	263278.0	263278.0	96.9907	%			11:17:01
1	Ag 328.068†	65417.4	67340.0	1022.78	ug/L	1022.78	ug/L	11:17:01
1	As 188.979†	-28.0	0.5	-6.30200	ug/L	-6.30200	ug/L	11:17:21
1	B 249.677†	410.6	77.9	1.78677	ug/L	1.78677	ug/L	11:17:01
1	Be 234.861†	12520.9	13782.7	50.3653	ug/L	50.3653	ug/L	11:17:01
1	Cd 214.437†	25947.9	26287.7	970.493	ug/L	970.493	ug/L	11:17:01
1	Ce 413.764†	768.4	-68.5	-1.73090	ug/L	-1.73090	ug/L	11:17:01
1	Co 228.616†	3053.9	3240.5	492.132	ug/L	492.132	ug/L	11:17:21
1	Cr 205.557†	5763.8	5975.5	497.300	ug/L	497.300	ug/L	11:17:21
1	Cu 327.397†	17934.6	18480.0	524.434	ug/L	524.434	ug/L	11:17:01
1	Mn 257.610†	72502.2	74301.4	503.007	ug/L	503.007	ug/L	11:17:01
1	Mo 202.031†	171.3	78.6	8.75645	ug/L	8.75645	ug/L	11:17:21
1	Ni 231.604†	12332.7	12346.5	972.816	ug/L	972.816	ug/L	11:17:01
1	Pb 220.353†	1688.0	1706.7	997.068	ug/L	997.068	ug/L	11:17:21

1	Sb 217.584†	-293.1	-249.9	-64.4820 ug/L	-64.4820 ug/L	11:17:21
1	Se 196.026†	-63.9	-26.8	-5.86124 ug/L	-5.86124 ug/L	11:17:21
1	Si 251.611†	282.4	285.2	19.2038 ug/L	19.2038 ug/L	11:17:21
1	Sn 189.927†	-94.7	-105.4	-32.2878 ug/L	-32.2878 ug/L	11:17:21
1	Tl 190.801†	-61.2	-16.9	-22.7292 ug/L	-22.7292 ug/L	11:17:21
1	V 292.395†	22802.0	24792.9	495.887 ug/L	495.887 ug/L	11:17:01
1	Zn 206.200†	9201.9	9555.6	961.295 ug/L	961.295 ug/L	11:17:01
2	Sc 357.234	198388.3	198388.3	99.9245 %		11:16:34
2	Al 396.153†	329861.9	329924.9	99791.2 ug/L	99791.2 ug/L	11:16:34
2	Ba 455.398†	138702.2	138799.9	444.996 ug/L	444.996 ug/L	11:16:34
2	Ca 315.887†	151982.9	151977.8	98.1354 mg/L	98.1354 mg/L	11:16:34
2	Fe 238.204†	95306.3	95351.3	39143.8 ug/L	39143.8 ug/L	11:16:34
2	K 766.490	72.4	-15.7	-0.0348751 mg/L	-0.0348751 mg/L	11:16:54
2	Li 670.784†	25.9	-40.9	-0.894166 ug/L	-0.894166 ug/L	11:16:54
2	Mg 279.071†	47525.5	47549.6	98.2411 mg/L	98.2411 mg/L	11:16:34
2	Na 589.592†	690.4	-30.5	0.0078828 mg/L	0.0078828 mg/L	11:16:54
2	Sr 407.771†	972.6	728.3	1.81436 ug/L	1.81436 ug/L	11:16:54
2	Ti 334.940†	-38.2	-13.2	1.03446 ug/L	1.03446 ug/L	11:16:54
2	Y 360.076	261127.3	261127.3	96.1984 %		11:17:26
2	Ag 328.068†	65540.0	68023.0	1033.07 ug/L	1033.07 ug/L	11:17:26
2	As 188.979†	-24.9	3.4	-2.08633 ug/L	-2.08633 ug/L	11:17:46
2	B 249.677†	401.6	72.0	1.43622 ug/L	1.43622 ug/L	11:17:26
2	Be 234.861†	12517.5	13885.5	50.9032 ug/L	50.9032 ug/L	11:17:26
2	Cd 214.437†	26125.8	26693.0	985.786 ug/L	985.786 ug/L	11:17:26
2	Ce 413.764†	768.0	-62.4	-1.56730 ug/L	-1.56730 ug/L	11:17:26
2	Co 228.616†	3087.2	3301.0	501.398 ug/L	501.398 ug/L	11:17:46
2	Cr 205.557†	5821.6	6084.5	506.362 ug/L	506.362 ug/L	11:17:46
2	Cu 327.397†	17940.1	18638.0	528.927 ug/L	528.927 ug/L	11:17:26
2	Mn 257.610†	72787.9	75214.1	509.190 ug/L	509.190 ug/L	11:17:26
2	Mo 202.031†	167.2	75.9	8.42463 ug/L	8.42463 ug/L	11:17:46
2	Ni 231.604†	12377.8	12498.2	984.799 ug/L	984.799 ug/L	11:17:26
2	Pb 220.353†	1698.9	1732.2	1012.07 ug/L	1012.07 ug/L	11:17:46
2	Sb 217.584†	-291.2	-250.4	-65.2775 ug/L	-65.2775 ug/L	11:17:46
2	Se 196.026†	-62.0	-25.3	-2.90554 ug/L	-2.90554 ug/L	11:17:46
2	Si 251.611†	340.4	347.9	24.5855 ug/L	24.5855 ug/L	11:17:46
2	Sn 189.927†	-87.1	-98.3	-29.2117 ug/L	-29.2117 ug/L	11:17:46
2	Tl 190.801†	-53.8	-9.8	-14.1567 ug/L	-14.1567 ug/L	11:17:46
2	V 292.395†	22884.3	25072.1	501.579 ug/L	501.579 ug/L	11:17:26
2	Zn 206.200†	9246.8	9680.4	974.013 ug/L	974.013 ug/L	11:17:26

Mean Data: 0B10018-IFB1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	196982.0	99.2162	%	1.00171				1.01%
Y 360.076	262202.7	96.5945	%	0.56026				0.58%
Ag 328.068†	67681.5	1027.92	ug/L	7.278	1027.92	ug/L	7.278	0.71%
QC value within limits for Ag 328.068 Recovery = 102.79%								
Al 396.153†	330773.3	100048	ug/L	362.9	100048	ug/L	362.9	0.36%
QC value within limits for Al 396.153 Recovery = 100.05%								
As 188.979†	1.9	-4.19416	ug/L	2.980932	-4.19416	ug/L	2.980932	71.07%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	74.9	1.61150	ug/L	0.247878	1.61150	ug/L	0.247878	15.38%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	139208.4	446.302	ug/L	1.8476	446.302	ug/L	1.8476	0.41%
QC value within limits for Ba 455.398 Recovery = 89.26%								
Be 234.861†	13834.1	50.6343	ug/L	0.38035	50.6343	ug/L	0.38035	0.75%
QC value within limits for Be 234.861 Recovery = 101.27%								
Ca 315.887†	152279.4	98.3302	mg/L	0.27545	98.3302	mg/L	0.27545	0.28%
QC value within limits for Ca 315.887 Recovery = 98.33%								
Cd 214.437†	26490.3	978.139	ug/L	10.8141	978.139	ug/L	10.8141	1.11%
QC value within limits for Cd 214.437 Recovery = 97.81%								
Ce 413.764†	-65.4	-1.64910	ug/L	0.115685	-1.64910	ug/L	0.115685	7.02%
Co 228.616†	3270.8	496.765	ug/L	6.5520	496.765	ug/L	6.5520	1.32%
QC value within limits for Co 228.616 Recovery = 99.35%								
Cr 205.557†	6030.0	501.831	ug/L	6.4079	501.831	ug/L	6.4079	1.28%
QC value within limits for Cr 205.557 Recovery = 100.37%								
Cu 327.397†	18559.0	526.681	ug/L	3.1774	526.681	ug/L	3.1774	0.60%
QC value within limits for Cu 327.397 Recovery = 105.34%								
Fe 238.204†	95544.0	39222.9	ug/L	111.87	39222.9	ug/L	111.87	0.29%
QC value within limits for Fe 238.204 Recovery = 98.06%								

K 766.490	-20.9	-0.0417733 mg/L	0.00975546	-0.0417733 mg/L	0.00975546	23.35%
QC value within limits for K 766.490 Recovery = Not calculated						
Li 670.784†	-37.9	-0.812494 ug/L	0.1155008	-0.812494 ug/L	0.1155008	14.22%
QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.071†	47677.3	98.5050 mg/L	0.37318	98.5050 mg/L	0.37318	0.38%
QC value within limits for Mg 279.071 Recovery = 98.50%						
Mn 257.610†	74757.8	506.098 ug/L	4.3725	506.098 ug/L	4.3725	0.86%
QC value within limits for Mn 257.610 Recovery = 101.22%						
Mo 202.031†	77.3	8.59054 ug/L	0.234636	8.59054 ug/L	0.234636	2.73%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	-32.7	0.0075645 mg/L	0.00045007	0.0075645 mg/L	0.00045007	5.95%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	12422.3	978.807 ug/L	8.4727	978.807 ug/L	8.4727	0.87%
QC value within limits for Ni 231.604 Recovery = 97.88%						
Pb 220.353†	1719.4	1004.57 ug/L	10.609	1004.57 ug/L	10.609	1.06%
QC value within limits for Pb 220.353 Recovery = 100.46%						
Sb 217.584†	-250.2	-64.8797 ug/L	0.56249	-64.8797 ug/L	0.56249	0.87%
QC value within limits for Sb 217.584 Recovery = Not calculated						
Se 196.026†	-26.0	-4.38339 ug/L	2.089990	-4.38339 ug/L	2.089990	47.68%
QC value within limits for Se 196.026 Recovery = Not calculated						
Si 251.611†	316.6	21.8947 ug/L	3.80541	21.8947 ug/L	3.80541	17.38%
QC value within limits for Si 251.611 Recovery = Not calculated						
Sn 189.927†	-101.8	-30.7498 ug/L	2.17516	-30.7498 ug/L	2.17516	7.07%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	741.6	1.83030 ug/L	0.022547	1.83030 ug/L	0.022547	1.23%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 334.940†	-12.5	1.07896 ug/L	0.062929	1.07896 ug/L	0.062929	5.83%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Tl 190.801†	-13.4	-18.4429 ug/L	6.06165	-18.4429 ug/L	6.06165	32.87%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.395†	24932.5	498.733 ug/L	4.0250	498.733 ug/L	4.0250	0.81%
QC value within limits for V 292.395 Recovery = 99.75%						
Zn 206.200†	9618.0	967.654 ug/L	8.9931	967.654 ug/L	8.9931	0.93%
QC value within limits for Zn 206.200 Recovery = 96.77%						

All analyte(s) passed QC.

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Sequence No.: 12 **Autosampler Location: 14**
Sample ID: 0B10018-IFB2 **Date Collected: 2/10/2010 11:21:03 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0B10018-IFB2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	199226.1	199226.1	100.347	%			11:22:08
1	Al 396.153†	3793.6	3594.4	1045.08	ug/L	1045.08	ug/L	11:22:08
1	Ba 455.398†	112.4	105.0	1.43630	ug/L	1.43630	ug/L	11:22:08
1	Ca 315.887†	7855.8	7708.8	4.96740	mg/L	4.96740	mg/L	11:22:08
1	Fe 238.204†	48.9	21.7	-1.87682	ug/L	-1.87682	ug/L	11:22:28
1	K 766.490	98.5	10.4	-0.0002890	mg/L	-0.0002890	mg/L	11:22:08
1	Li 670.784†	163.7	96.4	2.85777	ug/L	2.85777	ug/L	11:22:08
1	Mg 279.071†	2394.6	2374.5	4.89683	mg/L	4.89683	mg/L	11:22:28
1	Na 589.592†	35824.7	34979.6	5.03830	mg/L	5.03830	mg/L	11:22:08
1	Sr 407.771†	748.1	500.5	1.54201	ug/L	1.54201	ug/L	11:22:08
1	Ti 334.940†	313372.1	312315.1	19865.7	ug/L	19865.7	ug/L	11:22:08
1	Y 360.076	267481.5	267481.5	98.5392	%			11:23:05
1	Ag 328.068†	145.2	40.3	4.48225	ug/L	4.48225	ug/L	11:23:05
1	As 188.979†	791.8	832.9	1012.45	ug/L	1012.45	ug/L	11:23:25
1	B 249.677†	18197.1	18121.4	969.534	ug/L	969.534	ug/L	11:23:05
1	Be 234.861†	-807.4	53.9	0.0326074	ug/L	0.0326074	ug/L	11:23:25
1	Cd 214.437†	792.1	338.5	-1.74903	ug/L	-1.74903	ug/L	11:23:25
1	Ce 413.764†	979.4	133.1	-0.0625590	ug/L	-0.0625590	ug/L	11:23:05
1	Co 228.616†	182.8	277.4	-4.26213	ug/L	-4.26213	ug/L	11:23:25
1	Cr 205.557†	235150.4	238669.1	19862.7	ug/L	19862.7	ug/L	11:23:05
1	Cu 327.397†	719481.4	730136.0	20785.8	ug/L	20785.8	ug/L	11:23:00
1	Mn 257.610†	2858749.6	2900677.8	19669.0	ug/L	19669.0	ug/L	11:23:00
1	Mo 202.031†	8241.8	8266.0	1004.92	ug/L	1004.92	ug/L	11:23:25
1	Ni 231.604†	252733.8	256111.6	20262.6	ug/L	20262.6	ug/L	11:23:05

1	Pb 220.353†	71.5	38.8	-21.2821 ug/L	-21.2821 ug/L	11:23:25
1	Sb 217.584†	1247.9	1318.7	977.325 ug/L	977.325 ug/L	11:23:25
1	Se 196.026†	410.5	455.8	978.609 ug/L	978.609 ug/L	11:23:25
1	Si 251.611†	9591.0	9727.3	305.569 ug/L	305.569 ug/L	11:23:25
1	Sn 189.927†	-38.4	-46.7	-26.4089 ug/L	-26.4089 ug/L	11:23:25
1	Tl 190.801†	574.1	628.8	983.118 ug/L	983.118 ug/L	11:23:25
1	V 292.395†	973849.2	989569.0	20085.7 ug/L	20085.7 ug/L	11:23:00
1	Zn 206.200†	114.8	184.6	8.68187 ug/L	8.68187 ug/L	11:23:05
2	Sc 357.234	200310.7	200310.7	100.893 %		11:22:33
2	Al 396.153†	3807.1	3587.3	1043.34 ug/L	1043.34 ug/L	11:22:33
2	Ba 455.398†	143.7	135.4	1.53350 ug/L	1.53350 ug/L	11:22:33
2	Ca 315.887†	7885.7	7696.1	4.95917 mg/L	4.95917 mg/L	11:22:33
2	Fe 238.204†	47.1	19.7	-2.55749 ug/L	-2.55749 ug/L	11:22:53
2	K 766.490	55.8	-32.3	-0.0569587 mg/L	-0.0569587 mg/L	11:22:33
2	Li 670.784†	167.3	99.0	2.92941 ug/L	2.92941 ug/L	11:22:33
2	Mg 279.071†	2391.8	2358.8	4.86452 mg/L	4.86452 mg/L	11:22:53
2	Na 589.592†	35895.7	34856.7	5.02064 mg/L	5.02064 mg/L	11:22:33
2	Sr 407.771†	771.7	519.8	1.56507 ug/L	1.56507 ug/L	11:22:33
2	Ti 334.940†	314589.2	311830.6	19834.9 ug/L	19834.9 ug/L	11:22:33
2	Y 360.076	273554.2	273554.2	100.776 %		11:23:36
2	Ag 328.068†	154.3	46.1	4.47020 ug/L	4.47020 ug/L	11:23:36
2	As 188.979†	799.5	822.7	998.624 ug/L	998.624 ug/L	11:23:56
2	B 249.677†	18429.0	17941.6	959.655 ug/L	959.655 ug/L	11:23:36
2	Be 234.861†	-805.2	74.3	0.128451 ug/L	0.128451 ug/L	11:23:56
2	Cd 214.437†	795.0	323.5	-2.09950 ug/L	-2.09950 ug/L	11:23:56
2	Ce 413.764†	960.3	92.1	-1.22556 ug/L	-1.22556 ug/L	11:23:36
2	Co 228.616†	189.0	279.4	-3.87544 ug/L	-3.87544 ug/L	11:23:56
2	Cr 205.557†	237309.1	235513.7	19600.0 ug/L	19600.0 ug/L	11:23:36
2	Cu 327.397†	718645.7	713098.1	20301.0 ug/L	20301.0 ug/L	11:23:31
2	Mn 257.610†	2862859.1	2840352.9	19259.9 ug/L	19259.9 ug/L	11:23:31
2	Mo 202.031†	8245.6	8084.1	982.795 ug/L	982.795 ug/L	11:23:56
2	Ni 231.604†	254866.5	252534.2	19979.5 ug/L	19979.5 ug/L	11:23:36
2	Pb 220.353†	79.4	45.0	-16.4041 ug/L	-16.4041 ug/L	11:23:56
2	Sb 217.584†	1240.1	1282.9	951.039 ug/L	951.039 ug/L	11:23:56
2	Se 196.026†	394.7	430.8	925.252 ug/L	925.252 ug/L	11:23:56
2	Si 251.611†	9781.8	9700.5	304.063 ug/L	304.063 ug/L	11:23:56
2	Sn 189.927†	-43.2	-50.5	-28.1454 ug/L	-28.1454 ug/L	11:23:56
2	Tl 190.801†	579.3	621.0	972.665 ug/L	972.665 ug/L	11:23:56
2	V 292.395†	974883.4	968656.1	19660.9 ug/L	19660.9 ug/L	11:23:31
2	Zn 206.200†	93.6	161.0	6.37289 ug/L	6.37289 ug/L	11:23:36

Mean Data: 0B10018-IFB2

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	199768.4	100.620	%	0.3863				0.38%
Y 360.076	270517.9	99.6578	%	1.58191				1.59%
Ag 328.068†	43.2	4.47622	ug/L	0.008524	4.47622	ug/L	0.008524	0.19%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	3590.8	1044.21	ug/L	1.229	1044.21	ug/L	1.229	0.12%
QC value within limits for Al 396.153 Recovery = 104.42%								
As 188.979†	827.8	1005.54	ug/L	9.780	1005.54	ug/L	9.780	0.97%
QC value within limits for As 188.979 Recovery = 100.55%								
B 249.677†	18031.5	964.594	ug/L	6.9852	964.594	ug/L	6.9852	0.72%
QC value within limits for B 249.677 Recovery = 96.46%								
Ba 455.398†	120.2	1.48490	ug/L	0.068731	1.48490	ug/L	0.068731	4.63%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	64.1	0.0805294	ug/L	0.06777191	0.0805294	ug/L	0.06777191	84.16%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	7702.5	4.96329	mg/L	0.005820	4.96329	mg/L	0.005820	0.12%
QC value within limits for Ca 315.887 Recovery = 99.27%								
Cd 214.437†	331.0	-1.92426	ug/L	0.247817	-1.92426	ug/L	0.247817	12.88%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	112.6	-0.644061	ug/L	0.8223686	-0.644061	ug/L	0.8223686	127.68%
Co 228.616†	278.4	-4.06878	ug/L	0.273432	-4.06878	ug/L	0.273432	6.72%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	237091.4	19731.4	ug/L	185.70	19731.4	ug/L	185.70	0.94%
QC value within limits for Cr 205.557 Recovery = 98.66%								
Cu 327.397†	721617.0	20543.4	ug/L	342.80	20543.4	ug/L	342.80	1.67%
QC value within limits for Cu 327.397 Recovery = 102.72%								
Fe 238.204†	20.7	-2.21715	ug/L	0.481309	-2.21715	ug/L	0.481309	21.71%

QC value within limits for Fe 238.204 Recovery = Not calculated

K 766.490		-11.0	-0.0286238 mg/L	0.04007151	-0.0286238 mg/L	0.04007151	139.99%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†		97.7	2.89359 ug/L	0.050658	2.89359 ug/L	0.050658	1.75%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†		2366.7	4.88067 mg/L	0.022848	4.88067 mg/L	0.022848	0.47%
QC value within limits for Mg 279.071 Recovery = 97.61%								
Mn 257.610†		2870515.3	19464.4 ug/L	289.28	19464.4 ug/L	289.28	1.49%
QC value within limits for Mn 257.610 Recovery = 97.32%								
Mo 202.031†		8175.1	993.859 ug/L	15.6473	993.859 ug/L	15.6473	1.57%
QC value within limits for Mo 202.031 Recovery = 99.39%								
Na 589.592†		34918.1	5.02947 mg/L	0.012489	5.02947 mg/L	0.012489	0.25%
QC value within limits for Na 589.592 Recovery = 100.59%								
Ni 231.604†		254322.9	20121.1 ug/L	200.17	20121.1 ug/L	200.17	0.99%
QC value within limits for Ni 231.604 Recovery = 100.61%								
Pb 220.353†		41.9	-18.8431 ug/L	3.44928	-18.8431 ug/L	3.44928	18.31%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†		1300.8	964.182 ug/L	18.5870	964.182 ug/L	18.5870	1.93%
QC value within limits for Sb 217.584 Recovery = 96.42%								
Se 196.026†		443.3	951.931 ug/L	37.7287	951.931 ug/L	37.7287	3.96%
QC value within limits for Se 196.026 Recovery = 95.19%								
Si 251.611†		9713.9	304.816 ug/L	1.0647	304.816 ug/L	1.0647	0.35%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†		-48.6	-27.2771 ug/L	1.22790	-27.2771 ug/L	1.22790	4.50%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†		510.2	1.55354 ug/L	0.016304	1.55354 ug/L	0.016304	1.05%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†		312072.8	19850.3 ug/L	21.79	19850.3 ug/L	21.79	0.11%
QC value within limits for Ti 334.940 Recovery = 99.25%								
Tl 190.801†		624.9	977.891 ug/L	7.3913	977.891 ug/L	7.3913	0.76%
QC value within limits for Tl 190.801 Recovery = 97.79%								
V 292.395†		979112.6	19873.3 ug/L	300.37	19873.3 ug/L	300.37	1.51%
QC value within limits for V 292.395 Recovery = 99.37%								
Zn 206.200†		172.8	7.52738 ug/L	1.632699	7.52738 ug/L	1.632699	21.69%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 13 **Autosampler Location: 4**
Sample ID: 0B10018-CCV **Date Collected: 2/10/2010 11:27:11 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

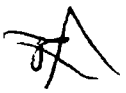
Replicate Data: 0B10018-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	199849.1	199849.1	100.660	%			11:28:17
1	Al 396.153†	8581.9	8339.5	2502.81	ug/L	2502.81	ug/L	11:28:37
1	Ba 455.398†	155914.2	154884.3	496.435	ug/L	496.435	ug/L	11:28:17
1	Ca 315.887†	7905.1	7733.4	4.98326	mg/L	4.98326	mg/L	11:28:37
1	Fe 238.204†	1258.4	1223.1	499.590	ug/L	499.590	ug/L	11:28:37
1	K 766.490	3888.7	3800.6	5.03484	mg/L	5.03484	mg/L	11:28:37
1	Li 670.784†	18300.8	18114.0	495.181	ug/L	495.181	ug/L	11:28:37
1	Mg 279.071†	2452.3	2424.4	4.99990	mg/L	4.99990	mg/L	11:28:37
1	Na 589.592†	35369.4	34416.0	4.95732	mg/L	4.95732	mg/L	11:28:17
1	Sr 407.771†	417417.7	414434.4	496.550	ug/L	496.550	ug/L	11:28:17
1	Ti 334.940†	7834.7	7808.4	498.499	ug/L	498.499	ug/L	11:28:37
1	Y 360.076	269914.5	269914.5	99.4355	%			11:29:09
1	Ag 328.068†	33293.3	33375.2	503.660	ug/L	503.660	ug/L	11:29:09
1	As 188.979†	1714.1	1753.2	2506.37	ug/L	2506.37	ug/L	11:29:29
1	B 249.677†	9688.9	9398.5	493.329	ug/L	493.329	ug/L	11:29:09
1	Be 234.861†	9875.7	10805.1	50.1602	ug/L	50.1602	ug/L	11:29:29
1	Cd 214.437†	13846.2	13459.5	502.851	ug/L	502.851	ug/L	11:29:29
1	Ce 413.764†	842.2	-13.8	-0.459663	ug/L	-0.459663	ug/L	11:29:09
1	Co 228.616†	3211.8	3321.9	504.962	ug/L	504.962	ug/L	11:29:29
1	Cr 205.557†	6048.6	6115.8	506.895	ug/L	506.895	ug/L	11:29:29
1	Cu 327.397†	17928.4	18019.1	511.620	ug/L	511.620	ug/L	11:29:09
1	Mn 257.610†	74831.6	74806.1	504.970	ug/L	504.970	ug/L	11:29:09
1	Mo 202.031†	4209.6	4135.5	502.364	ug/L	502.364	ug/L	11:29:29

1	Ni 231.604†	6764.8	6434.4	505.899 ug/L	505.899 ug/L	11:29:29
1	Pb 220.353†	905.3	876.6	510.302 ug/L	510.302 ug/L	11:29:29
1	Sb 217.584†	3430.1	3501.9	2512.20 ug/L	2512.20 ug/L	11:29:29
1	Se 196.026†	1117.8	1163.3	2490.61 ug/L	2490.61 ug/L	11:29:29
1	Si 251.611†	28966.0	29124.5	2490.63 ug/L	2490.63 ug/L	11:29:09
1	Sn 189.927†	5588.5	5612.5	2509.02 ug/L	2509.02 ug/L	11:29:29
1	Tl 190.801†	2025.2	2082.9	2513.93 ug/L	2513.93 ug/L	11:29:29
1	V 292.395†	23337.4	24753.3	507.122 ug/L	507.122 ug/L	11:29:09
1	Zn 206.200†	4898.6	4994.5	505.066 ug/L	505.066 ug/L	11:29:29
2	Sc 357.234	200963.7	200963.7	101.222 %		11:28:42
2	Al 396.153†	8542.0	8252.8	2476.73 ug/L	2476.73 ug/L	11:29:02
2	Ba 455.398†	156376.9	154482.4	495.150 ug/L	495.150 ug/L	11:28:42
2	Ca 315.887†	7865.6	7650.8	4.92991 mg/L	4.92991 mg/L	11:29:02
2	Fe 238.204†	1260.3	1218.1	497.526 ug/L	497.526 ug/L	11:29:02
2	K 766.490	3898.5	3810.4	5.04787 mg/L	5.04787 mg/L	11:29:02
2	Li 670.784†	18239.8	17952.8	490.779 ug/L	490.779 ug/L	11:29:02
2	Mg 279.071†	2447.9	2406.5	4.96297 mg/L	4.96297 mg/L	11:29:02
2	Na 589.592†	35540.6	34390.3	4.95362 mg/L	4.95362 mg/L	11:28:42
2	Sr 407.771†	419133.0	413829.2	495.826 ug/L	495.826 ug/L	11:28:42
2	Ti 334.940†	7783.6	7714.8	492.544 ug/L	492.544 ug/L	11:29:02
2	Y 360.076	274183.1	274183.1	101.008 %		11:29:34
2	Ag 328.068†	33396.1	32955.8	497.324 ug/L	497.324 ug/L	11:29:34
2	As 188.979†	1719.1	1731.3	2474.96 ug/L	2474.96 ug/L	11:29:54
2	B 249.677†	9772.8	9329.8	489.698 ug/L	489.698 ug/L	11:29:34
2	Be 234.861†	9870.4	10645.2	49.4131 ug/L	49.4131 ug/L	11:29:54
2	Cd 214.437†	13863.8	13260.1	495.359 ug/L	495.359 ug/L	11:29:54
2	Ce 413.764†	868.8	-0.7	-0.107650 ug/L	-0.107650 ug/L	11:29:34
2	Co 228.616†	3200.5	3260.5	495.576 ug/L	495.576 ug/L	11:29:54
2	Cr 205.557†	6050.4	6022.9	499.165 ug/L	499.165 ug/L	11:29:54
2	Cu 327.397†	17963.4	17773.0	504.618 ug/L	504.618 ug/L	11:29:34
2	Mn 257.610†	75032.9	73833.7	498.376 ug/L	498.376 ug/L	11:29:34
2	Mo 202.031†	4211.9	4071.9	494.625 ug/L	494.625 ug/L	11:29:54
2	Ni 231.604†	6785.3	6348.8	499.122 ug/L	499.122 ug/L	11:29:54
2	Pb 220.353†	905.9	863.1	502.388 ug/L	502.388 ug/L	11:29:54
2	Sb 217.584†	3439.7	3457.6	2480.40 ug/L	2480.40 ug/L	11:29:54
2	Se 196.026†	1122.9	1150.8	2463.92 ug/L	2463.92 ug/L	11:29:54
2	Si 251.611†	29060.3	28764.3	2459.64 ug/L	2459.64 ug/L	11:29:34
2	Sn 189.927†	5599.7	5536.1	2474.79 ug/L	2474.79 ug/L	11:29:54
2	Tl 190.801†	2040.4	2066.2	2493.80 ug/L	2493.80 ug/L	11:29:54
2	V 292.395†	23384.1	24434.1	500.565 ug/L	500.565 ug/L	11:29:34
2	Zn 206.200†	4922.9	4941.9	499.712 ug/L	499.712 ug/L	11:29:54

Mean Data: 0B10018-CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	200406.4	100.941	%	0.3970				0.39%
Y 360.076	272048.8	100.222	%	1.1119				1.11%
Ag 328.068†	33165.5	500.492	ug/L	4.4798	500.492	ug/L	4.4798	0.90%
QC value within limits for Ag 328.068 Recovery = 100.10%								
Al 396.153†	8296.1	2489.77	ug/L	18.444	2489.77	ug/L	18.444	0.74%
QC value within limits for Al 396.153 Recovery = 99.59%								
As 188.979†	1742.3	2490.67	ug/L	22.209	2490.67	ug/L	22.209	0.89%
QC value within limits for As 188.979 Recovery = 99.63%								
B 249.677†	9364.1	491.514	ug/L	2.5676	491.514	ug/L	2.5676	0.52%
QC value within limits for B 249.677 Recovery = 98.30%								
Ba 455.398†	154683.3	495.793	ug/L	0.9090	495.793	ug/L	0.9090	0.18%
QC value within limits for Ba 455.398 Recovery = 99.16%								
Be 234.861†	10725.1	49.7866	ug/L	0.52826	49.7866	ug/L	0.52826	1.06%
QC value within limits for Be 234.861 Recovery = 99.57%								
Ca 315.887†	7692.1	4.95659	mg/L	0.037724	4.95659	mg/L	0.037724	0.76%
QC value within limits for Ca 315.887 Recovery = 99.13%								
Cd 214.437†	13359.8	499.105	ug/L	5.2980	499.105	ug/L	5.2980	1.06%
QC value within limits for Cd 214.437 Recovery = 99.82%								
Ce 413.764†	-7.2	-0.283656	ug/L	0.2489103	-0.283656	ug/L	0.2489103	87.75%
Co 228.616†	3291.2	500.269	ug/L	6.6369	500.269	ug/L	6.6369	1.33%
QC value within limits for Co 228.616 Recovery = 100.05%								
Cr 205.557†	6069.3	503.030	ug/L	5.4660	503.030	ug/L	5.4660	1.09%
QC value within limits for Cr 205.557 Recovery = 100.61%								
Cu 327.397†	17896.1	508.119	ug/L	4.9514	508.119	ug/L	4.9514	0.97%
QC value within limits for Cu 327.397 Recovery = 101.62%								



Fe 238.204†	1220.6	498.558 ug/L	1.4598	498.558 ug/L	1.4598	0.29%
QC value within limits for Fe 238.204 Recovery = 99.71%						
K 766.490	3805.5	5.04136 mg/L	0.009215	5.04136 mg/L	0.009215	0.18%
QC value within limits for K 766.490 Recovery = 100.83%						
Li 670.784†	18033.4	492.980 ug/L	3.1131	492.980 ug/L	3.1131	0.63%
QC value within limits for Li 670.784 Recovery = 98.60%						
Mg 279.071†	2415.4	4.98143 mg/L	0.026115	4.98143 mg/L	0.026115	0.52%
QC value within limits for Mg 279.071 Recovery = 99.63%						
Mn 257.610†	74319.9	501.673 ug/L	4.6628	501.673 ug/L	4.6628	0.93%
QC value within limits for Mn 257.610 Recovery = 100.33%						
Mo 202.031†	4103.7	498.494 ug/L	5.4723	498.494 ug/L	5.4723	1.10%
QC value within limits for Mo 202.031 Recovery = 99.70%						
Na 589.592†	34403.1	4.95547 mg/L	0.002615	4.95547 mg/L	0.002615	0.05%
QC value within limits for Na 589.592 Recovery = 99.11%						
Ni 231.604†	6391.6	502.510 ug/L	4.7921	502.510 ug/L	4.7921	0.95%
QC value within limits for Ni 231.604 Recovery = 100.50%						
Pb 220.353†	869.9	506.345 ug/L	5.5960	506.345 ug/L	5.5960	1.11%
QC value within limits for Pb 220.353 Recovery = 101.27%						
Sb 217.584†	3479.8	2496.30 ug/L	22.482	2496.30 ug/L	22.482	0.90%
QC value within limits for Sb 217.584 Recovery = 99.85%						
Se 196.026†	1157.1	2477.27 ug/L	18.867	2477.27 ug/L	18.867	0.76%
QC value within limits for Se 196.026 Recovery = 99.09%						
Si 251.611†	28944.4	2475.14 ug/L	21.918	2475.14 ug/L	21.918	0.89%
QC value within limits for Si 251.611 Recovery = 99.01%						
Sn 189.927†	5574.3	2491.91 ug/L	24.208	2491.91 ug/L	24.208	0.97%
QC value within limits for Sn 189.927 Recovery = 99.68%						
Sr 407.771†	414131.8	496.188 ug/L	0.5118	496.188 ug/L	0.5118	0.10%
QC value within limits for Sr 407.771 Recovery = 99.24%						
Ti 334.940†	7761.6	495.522 ug/L	4.2107	495.522 ug/L	4.2107	0.85%
QC value within limits for Ti 334.940 Recovery = 99.10%						
Tl 190.801†	2074.5	2503.87 ug/L	14.235	2503.87 ug/L	14.235	0.57%
QC value within limits for Tl 190.801 Recovery = 100.15%						
V 292.395†	24593.7	503.843 ug/L	4.6363	503.843 ug/L	4.6363	0.92%
QC value within limits for V 292.395 Recovery = 100.77%						
Zn 206.200†	4968.2	502.389 ug/L	3.7861	502.389 ug/L	3.7861	0.75%
QC value within limits for Zn 206.200 Recovery = 100.48%						

All analyte(s) passed QC.

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Sequence No.: 14 **Autosampler Location: 1**
Sample ID: 0B10018-CCB **Date Collected: 2/10/2010 11:31:10 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0B10018-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	197130.9	197130.9	99.2912	%			11:32:15
1	Al 396.153†	176.3	-8.6	-13.6875	ug/L	-13.6875	ug/L	11:32:15
1	Ba 455.398†	14.9	8.0	1.12612	ug/L	1.12612	ug/L	11:32:15
1	Ca 315.887†	117.2	-1.8	-0.0120898	mg/L	-0.0120898	mg/L	11:32:35
1	Fe 238.204†	39.0	12.3	3.08803	ug/L	3.08803	ug/L	11:32:35
1	K 766.490	89.9	1.8	-0.0117286	mg/L	-0.0117286	mg/L	11:32:15
1	Li 670.784†	79.0	12.8	0.574200	ug/L	0.574200	ug/L	11:32:15
1	Mg 279.071†	22.0	10.4	0.0119520	mg/L	0.0119520	mg/L	11:32:35
1	Na 589.592†	696.6	-19.8	0.0094116	mg/L	0.0094116	mg/L	11:32:15
1	Sr 407.771†	238.4	-4.9	0.937581	ug/L	0.937581	ug/L	11:32:15
1	Ti 334.940†	-28.5	-3.7	1.63841	ug/L	1.63841	ug/L	11:32:35
1	Y 360.076	268088.6	268088.6	98.7629	%			11:33:07
1	Ag 328.068†	79.4	-26.6	-1.06756	ug/L	-1.06756	ug/L	11:33:27
1	As 188.979†	-26.8	2.2	-2.78390	ug/L	-2.78390	ug/L	11:33:27
1	B 249.677†	468.0	128.4	1.06628	ug/L	1.06628	ug/L	11:33:27
1	Be 234.861†	-875.6	-13.3	-0.272923	ug/L	-0.272923	ug/L	11:33:27
1	Cd 214.437†	465.9	6.4	-2.42150	ug/L	-2.42150	ug/L	11:33:27
1	Ce 413.764†	825.1	-25.3	-0.676488	ug/L	-0.676488	ug/L	11:33:07
1	Co 228.616†	-95.0	-4.3	-3.00460	ug/L	-3.00460	ug/L	11:33:27
1	Cr 205.557†	-33.4	-1.0	-2.25171	ug/L	-2.25171	ug/L	11:33:27
1	Cu 327.397†	154.6	145.5	2.86093	ug/L	2.86093	ug/L	11:33:07
1	Mn 257.610†	359.5	-86.3	-2.94209	ug/L	-2.94209	ug/L	11:33:27

1	Mo 202.031†	108.4	11.8	0.628405 ug/L	0.628405 ug/L	11:33:27
1	Ni 231.604†	394.9	31.1	-0.831426 ug/L	-0.831426 ug/L	11:33:27
1	Pb 220.353†	41.3	8.1	1.52171 ug/L	1.52171 ug/L	11:33:27
1	Sb 217.584†	-57.0	-5.4	-8.74319 ug/L	-8.74319 ug/L	11:33:27
1	Se 196.026†	-49.2	-10.7	-17.7642 ug/L	-17.7642 ug/L	11:33:27
1	Si 251.611†	110.5	106.0	-6.38175 ug/L	-6.38175 ug/L	11:33:27
1	Sn 189.927†	15.6	8.0	-2.98211 ug/L	-2.98211 ug/L	11:33:27
1	Tl 190.801†	-57.6	-12.2	-14.6352 ug/L	-14.6352 ug/L	11:33:27
1	V 292.395†	-1286.7	-19.4	-0.689398 ug/L	-0.689398 ug/L	11:33:27
1	Zn 206.200†	-66.8	0.5	-2.60689 ug/L	-2.60689 ug/L	11:33:27
2	Sc 357.234	195338.2	195338.2	98.3883 %		11:32:40
2	Al 396.153†	193.7	10.8	-7.83138 ug/L	-7.83138 ug/L	11:32:40
2	Ba 455.398†	24.3	17.6	1.15697 ug/L	1.15697 ug/L	11:32:40
2	Ca 315.887†	120.7	2.9	-0.0090766 mg/L	-0.0090766 mg/L	11:33:00
2	Fe 238.204†	39.5	13.2	3.44643 ug/L	3.44643 ug/L	11:33:00
2	K 766.490	59.2	-28.9	-0.0525073 mg/L	-0.0525073 mg/L	11:32:40
2	Li 670.784†	70.0	4.3	0.342265 ug/L	0.342265 ug/L	11:32:40
2	Mg 279.071†	16.3	4.7	0.0002854 mg/L	0.0002854 mg/L	11:33:00
2	Na 589.592†	644.2	-66.6	0.0026909 mg/L	0.0026909 mg/L	11:32:40
2	Sr 407.771†	210.4	-31.2	0.906210 ug/L	0.906210 ug/L	11:32:40
2	Ti 334.940†	-16.2	8.7	2.42198 ug/L	2.42198 ug/L	11:33:00
2	Y 360.076	274615.3	274615.3	101.167 %		11:33:32
2	Ag 328.068†	104.3	-4.0	-0.725935 ug/L	-0.725935 ug/L	11:33:52
2	As 188.979†	-32.6	-2.9	-10.0729 ug/L	-10.0729 ug/L	11:33:52
2	B 249.677†	457.0	106.3	-0.118621 ug/L	-0.118621 ug/L	11:33:52
2	Be 234.861†	-868.3	15.0	-0.140898 ug/L	-0.140898 ug/L	11:33:52
2	Cd 214.437†	476.7	5.9	-2.43993 ug/L	-2.43993 ug/L	11:33:52
2	Ce 413.764†	835.2	-35.2	-0.939601 ug/L	-0.939601 ug/L	11:33:32
2	Co 228.616†	-88.3	4.6	-1.63662 ug/L	-1.63662 ug/L	11:33:52
2	Cr 205.557†	-40.4	-7.1	-2.76113 ug/L	-2.76113 ug/L	11:33:52
2	Cu 327.397†	160.8	147.8	2.92769 ug/L	2.92769 ug/L	11:33:32
2	Mn 257.610†	356.7	-97.7	-3.01928 ug/L	-3.01928 ug/L	11:33:52
2	Mo 202.031†	106.6	7.4	0.0963016 ug/L	0.0963016 ug/L	11:33:52
2	Ni 231.604†	374.6	1.5	-3.17402 ug/L	-3.17402 ug/L	11:33:52
2	Pb 220.353†	33.8	-0.3	-3.40025 ug/L	-3.40025 ug/L	11:33:52
2	Sb 217.584†	-55.3	-2.4	-6.56936 ug/L	-6.56936 ug/L	11:33:52
2	Se 196.026†	-40.8	-1.2	2.48395 ug/L	2.48395 ug/L	11:33:52
2	Si 251.611†	94.8	87.7	-7.98178 ug/L	-7.98178 ug/L	11:33:52
2	Sn 189.927†	8.4	0.6	-6.30920 ug/L	-6.30920 ug/L	11:33:52
2	Tl 190.801†	-48.9	-2.2	-2.54193 ug/L	-2.54193 ug/L	11:33:52
2	V 292.395†	-1279.1	19.0	0.0848634 ug/L	0.0848634 ug/L	11:33:52
2	Zn 206.200†	-77.0	-7.9	-3.46703 ug/L	-3.46703 ug/L	11:33:52

Mean Data: 0B10018-CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	196234.6	98.8397	%	0.63847				0.65%
Y 360.076	271352.0	99.9651	%	1.70017				1.70%
Ag 328.068†	-15.3	-0.896748	ug/L	0.2415665	-0.896748	ug/L	0.2415665	26.94%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	1.1	-10.7594	ug/L	4.14091	-10.7594	ug/L	4.14091	38.49%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-0.4	-6.42840	ug/L	5.154093	-6.42840	ug/L	5.154093	80.18%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	117.3	0.473829	ug/L	0.8378512	0.473829	ug/L	0.8378512	176.83%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	12.8	1.14154	ug/L	0.021817	1.14154	ug/L	0.021817	1.91%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	0.8	-0.206910	ug/L	0.0933554	-0.206910	ug/L	0.0933554	45.12%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	0.5	-0.0105832	mg/L	0.00213068	-0.0105832	mg/L	0.00213068	20.13%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	6.2	-2.43072	ug/L	0.013031	-2.43072	ug/L	0.013031	0.54%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	-30.3	-0.808044	ug/L	0.1860491	-0.808044	ug/L	0.1860491	23.02%
Co 228.616†	0.1	-2.32061	ug/L	0.967310	-2.32061	ug/L	0.967310	41.68%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	-4.1	-2.50642	ug/L	0.360216	-2.50642	ug/L	0.360216	14.37%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	146.7	2.89431	ug/L	0.047205	2.89431	ug/L	0.047205	1.63%

QC value within limits for Cu 327.397 Recovery = Not calculated

Fe 238.204†		12.7	3.26723 ug/L	0.253429	3.26723 ug/L	0.253429	7.76%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490		-13.6	-0.0321180 mg/L	0.02883485	-0.0321180 mg/L	0.02883485	89.78%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†		8.6	0.458232 ug/L	0.1640028	0.458232 ug/L	0.1640028	35.79%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†		7.6	0.0061187 mg/L	0.00824958	0.0061187 mg/L	0.00824958	134.83%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†		-92.0	-2.98069 ug/L	0.054582	-2.98069 ug/L	0.054582	1.83%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†		9.6	0.362353 ug/L	0.3762542	0.362353 ug/L	0.3762542	103.84%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†		-43.2	0.0060512 mg/L	0.00475224	0.0060512 mg/L	0.00475224	78.53%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†		16.3	-2.00272 ug/L	1.656463	-2.00272 ug/L	1.656463	82.71%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†		3.9	-0.939272 ug/L	3.4803484	-0.939272 ug/L	3.4803484	370.54%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†		-3.9	-7.65628 ug/L	1.537132	-7.65628 ug/L	1.537132	20.08%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†		-5.9	-7.64015 ug/L	14.317630	-7.64015 ug/L	14.317630	187.40%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†		96.8	-7.18177 ug/L	1.131392	-7.18177 ug/L	1.131392	15.75%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†		4.3	-4.64565 ug/L	2.352601	-4.64565 ug/L	2.352601	50.64%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†		-18.0	0.921895 ug/L	0.0221824	0.921895 ug/L	0.0221824	2.41%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†		2.5	2.03019 ug/L	0.554067	2.03019 ug/L	0.554067	27.29%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†		-7.2	-8.58856 ug/L	8.551220	-8.58856 ug/L	8.551220	99.57%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†		-0.2	-0.302267 ug/L	0.5474853	-0.302267 ug/L	0.5474853	181.13%
QC value within limits for V 292.395 Recovery = Not calculated								
Zn 206.200†		-3.7	-3.03696 ug/L	0.608214	-3.03696 ug/L	0.608214	20.03%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

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Sequence No.: 15 **Autosampler Location: 17**
Sample ID: 1000900-BLK1 **Date Collected: 2/10/2010 11:35:07 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1000900-BLK1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	200169.4	200169.4	100.822	%			11:36:12
1	Al 396.153†	196.6	8.9	-8.38549	ug/L	-8.38549	ug/L	11:36:12
1	Ba 455.398†	420.0	409.5	2.41022	ug/L	2.41022	ug/L	11:36:12
1	Ca 315.887†	203.1	81.6	0.0417906	mg/L	0.0417906	mg/L	11:36:32
1	Fe 238.204†	49.6	22.2	7.15802	ug/L	7.15802	ug/L	11:36:32
1	K 766.490	87.5	-0.6	-0.0148215	mg/L	-0.0148215	mg/L	11:36:12
1	Li 670.784†	99.2	31.6	1.08860	ug/L	1.08860	ug/L	11:36:12
1	Mg 279.071†	26.5	14.5	0.0203856	mg/L	0.0203856	mg/L	11:36:32
1	Na 589.592†	10145.5	9341.4	1.35448	mg/L	1.35448	mg/L	11:36:12
1	Sr 407.771†	199.3	-47.3	0.886849	ug/L	0.886849	ug/L	11:36:12
1	Ti 334.940†	-27.3	-1.9	1.74723	ug/L	1.74723	ug/L	11:36:32
1	Y 360.076	270791.6	270791.6	99.7587	%			11:37:03
1	Ag 328.068†	80.9	-25.9	-1.05219	ug/L	-1.05219	ug/L	11:37:23
1	As 188.979†	-31.3	-2.0	-8.76898	ug/L	-8.76898	ug/L	11:37:23
1	B 249.677†	2275.7	1935.8	97.3033	ug/L	97.3033	ug/L	11:37:23
1	Be 234.861†	-876.1	-4.9	-0.235103	ug/L	-0.235103	ug/L	11:37:23
1	Cd 214.437†	462.5	-1.7	-2.72626	ug/L	-2.72626	ug/L	11:37:23
1	Ce 413.764†	857.4	-1.3	-0.0344788	ug/L	-0.0344788	ug/L	11:37:03
1	Co 228.616†	-88.3	3.4	-1.82463	ug/L	-1.82463	ug/L	11:37:23
1	Cr 205.557†	-34.7	-2.0	-2.33216	ug/L	-2.33216	ug/L	11:37:23
1	Cu 327.397†	107.1	96.3	1.46197	ug/L	1.46197	ug/L	11:37:03

1	Mn 257.610†	460.3	11.1	-2.28139 ug/L	-2.28139 ug/L	11:37:23
1	Mo 202.031†	107.4	9.8	0.376999 ug/L	0.376999 ug/L	11:37:23
1	Ni 231.604†	371.3	3.4	-3.02655 ug/L	-3.02655 ug/L	11:37:23
1	Pb 220.353†	37.4	3.7	-1.04909 ug/L	-1.04909 ug/L	11:37:23
1	Sb 217.584†	-50.3	1.8	-3.53494 ug/L	-3.53494 ug/L	11:37:23
1	Se 196.026†	-46.7	-7.7	-11.3484 ug/L	-11.3484 ug/L	11:37:23
1	Si 251.611†	1644.3	1642.3	126.501 ug/L	126.501 ug/L	11:37:23
1	Sn 189.927†	4.6	-3.1	-7.94211 ug/L	-7.94211 ug/L	11:37:23
1	Tl 190.801†	-45.8	0.3	0.424555 ug/L	0.424555 ug/L	11:37:23
1	V 292.395†	-1288.3	-8.0	-0.462465 ug/L	-0.462465 ug/L	11:37:23
1	Zn 206.200†	26.0	94.2	6.91720 ug/L	6.91720 ug/L	11:37:23
2	Sc 357.234	197982.6	197982.6	99.7202 %		11:36:37
2	Al 396.153†	206.4	20.8	-4.76115 ug/L	-4.76115 ug/L	11:36:37
2	Ba 455.398†	392.2	386.3	2.33588 ug/L	2.33588 ug/L	11:36:37
2	Ca 315.887†	196.3	77.0	0.0387807 mg/L	0.0387807 mg/L	11:36:57
2	Fe 238.204†	48.7	21.8	6.98925 ug/L	6.98925 ug/L	11:36:57
2	K 766.490	46.2	-42.0	-0.0698028 mg/L	-0.0698028 mg/L	11:36:37
2	Li 670.784†	69.9	3.3	0.315035 ug/L	0.315035 ug/L	11:36:37
2	Mg 279.071†	20.8	9.0	0.0091437 mg/L	0.0091437 mg/L	11:36:57
2	Na 589.592†	10107.0	9413.9	1.36490 mg/L	1.36490 mg/L	11:36:37
2	Sr 407.771†	248.6	4.3	0.948589 ug/L	0.948589 ug/L	11:36:37
2	Ti 334.940†	-14.8	10.2	2.52195 ug/L	2.52195 ug/L	11:36:57
2	Y 360.076	270513.9	270513.9	99.6563 %		11:37:29
2	Ag 328.068†	81.4	-25.4	-1.04877 ug/L	-1.04877 ug/L	11:37:49
2	As 188.979†	-30.8	-1.6	-8.19775 ug/L	-8.19775 ug/L	11:37:49
2	B 249.677†	2270.4	1932.8	97.1481 ug/L	97.1481 ug/L	11:37:49
2	Be 234.861†	-890.1	-19.9	-0.305298 ug/L	-0.305298 ug/L	11:37:49
2	Cd 214.437†	460.9	-2.9	-2.77046 ug/L	-2.77046 ug/L	11:37:49
2	Ce 413.764†	824.6	-33.4	-0.890838 ug/L	-0.890838 ug/L	11:37:29
2	Co 228.616†	-94.3	-2.8	-2.76808 ug/L	-2.76808 ug/L	11:37:49
2	Cr 205.557†	-26.9	5.9	-1.67993 ug/L	-1.67993 ug/L	11:37:49
2	Cu 327.397†	87.6	76.8	0.907563 ug/L	0.907563 ug/L	11:37:29
2	Mn 257.610†	448.6	-0.1	-2.35741 ug/L	-2.35741 ug/L	11:37:49
2	Mo 202.031†	95.2	-2.4	-1.10812 ug/L	-1.10812 ug/L	11:37:49
2	Ni 231.604†	388.1	20.6	-1.66244 ug/L	-1.66244 ug/L	11:37:49
2	Pb 220.353†	38.9	5.2	-0.138516 ug/L	-0.138516 ug/L	11:37:49
2	Sb 217.584†	-43.2	8.9	1.55990 ug/L	1.55990 ug/L	11:37:49
2	Se 196.026†	-44.7	-5.7	-7.11003 ug/L	-7.11003 ug/L	11:37:49
2	Si 251.611†	1619.3	1619.0	124.460 ug/L	124.460 ug/L	11:37:49
2	Sn 189.927†	6.0	-1.7	-7.35297 ug/L	-7.35297 ug/L	11:37:49
2	Tl 190.801†	-56.1	-10.1	-12.0824 ug/L	-12.0824 ug/L	11:37:49
2	V 292.395†	-1275.3	3.8	-0.239244 ug/L	-0.239244 ug/L	11:37:49
2	Zn 206.200†	30.4	98.6	7.36544 ug/L	7.36544 ug/L	11:37:49

Mean Data: 1000900-BLK1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 357.234	199076.0	100.271	%	0.7788				0.78%
Y 360.076	270652.7	99.7075	%	0.07234				0.07%
Ag 328.068†	-25.7	-1.05048	ug/L	0.002422	-1.05048	ug/L	0.002422	0.23%
Al 396.153†	14.9	-6.57332	ug/L	2.562791	-6.57332	ug/L	2.562791	38.99%
As 188.979†	-1.8	-8.48337	ug/L	0.403921	-8.48337	ug/L	0.403921	4.76%
B 249.677†	1934.3	97.2257	ug/L	0.10972	97.2257	ug/L	0.10972	0.11%
Ba 455.398†	397.9	2.37305	ug/L	0.052564	2.37305	ug/L	0.052564	2.22%
Be 234.861†	-12.4	-0.270201	ug/L	0.0496350	-0.270201	ug/L	0.0496350	18.37%
Ca 315.887†	79.3	0.0402857	mg/L	0.00212833	0.0402857	mg/L	0.00212833	5.28%
Cd 214.437†	-2.3	-2.74836	ug/L	0.031257	-2.74836	ug/L	0.031257	1.14%
Ce 413.764†	-17.3	-0.462658	ug/L	0.6055373	-0.462658	ug/L	0.6055373	130.88%
Co 228.616†	0.3	-2.29636	ug/L	0.667118	-2.29636	ug/L	0.667118	29.05%
Cr 205.557†	1.9	-2.00604	ug/L	0.461193	-2.00604	ug/L	0.461193	22.99%
Cu 327.397†	86.6	1.18476	ug/L	0.392021	1.18476	ug/L	0.392021	33.09%
Fe 238.204†	22.0	7.07363	ug/L	0.119338	7.07363	ug/L	0.119338	1.69%
K 766.490	-21.3	-0.0423121	mg/L	0.03887761	-0.0423121	mg/L	0.03887761	91.88%
Li 670.784†	17.5	0.701815	ug/L	0.5469900	0.701815	ug/L	0.5469900	77.94%
Mg 279.071†	11.7	0.0147647	mg/L	0.00794924	0.0147647	mg/L	0.00794924	53.84%
Mn 257.610†	5.5	-2.31940	ug/L	0.053759	-2.31940	ug/L	0.053759	2.32%
Mo 202.031†	3.7	-0.365560	ug/L	1.0501370	-0.365560	ug/L	1.0501370	287.27%
Na 589.592†	9377.7	1.35969	mg/L	0.007368	1.35969	mg/L	0.007368	0.54%
Ni 231.604†	12.0	-2.34450	ug/L	0.964565	-2.34450	ug/L	0.964565	41.14%
Pb 220.353†	4.5	-0.593805	ug/L	0.6438755	-0.593805	ug/L	0.6438755	108.43%

Sb 217.584†	5.4	-0.987519	ug/L	3.6025979	-0.987519	ug/L	3.6025979 364.81%
Se 196.026†	-6.7	-9.22921	ug/L	2.996966	-9.22921	ug/L	2.996966 32.47%
Si 251.611†	1630.7	125.481	ug/L	1.4429	125.481	ug/L	1.4429 1.15%
Sn 189.927†	-2.4	-7.64754	ug/L	0.416582	-7.64754	ug/L	0.416582 5.45%
Sr 407.771†	-21.5	0.917719	ug/L	0.0436567	0.917719	ug/L	0.0436567 4.76%
Ti 334.940†	4.1	2.13459	ug/L	0.547815	2.13459	ug/L	0.547815 25.66%
Tl 190.801†	-4.9	-5.82893	ug/L	8.843763	-5.82893	ug/L	8.843763 151.72%
V 292.395†	-2.1	-0.350854	ug/L	0.1578415	-0.350854	ug/L	0.1578415 44.99%
Zn 206.200†	96.4	7.14132	ug/L	0.316954	7.14132	ug/L	0.316954 4.44%

Sequence No.: 16
Sample ID: 1000900-BS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 2/10/2010 11:39:05 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000900-BS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Sc 357.234	199673.9	199673.9	100.572	%			11:40:10
1	Al 396.153†	4124.0	3914.4	1170.86	ug/L	1170.86	ug/L	11:40:30
1	Ba 455.398†	74007.3	73579.3	236.414	ug/L	236.414	ug/L	11:40:10
1	Ca 315.887†	18440.0	18215.2	11.7524	mg/L	11.7524	mg/L	11:40:10
1	Fe 238.204†	624.9	594.4	241.243	ug/L	241.243	ug/L	11:40:30
1	K 766.490	8930.6	8842.5	11.7327	mg/L	11.7327	mg/L	11:40:10
1	Li 670.784†	8720.2	8603.8	235.320	ug/L	235.320	ug/L	11:40:10
1	Mg 279.071†	5860.8	5815.6	12.0072	mg/L	12.0072	mg/L	11:40:30
1	Na 589.592†	92490.6	91243.1	13.1225	mg/L	13.1225	mg/L	11:40:10
1	Sr 407.771†	198384.1	197010.7	236.541	ug/L	236.541	ug/L	11:40:10
1	Ti 334.940†	3771.0	3774.6	241.943	ug/L	241.943	ug/L	11:40:30
1	Y 360.076	269198.4	269198.4	99.1717	%			11:41:01
1	Ag 328.068†	15782.1	15806.9	238.302	ug/L	238.302	ug/L	11:41:01
1	As 188.979†	789.7	825.7	1177.22	ug/L	1177.22	ug/L	11:41:21
1	B 249.677†	6626.8	6336.8	331.004	ug/L	331.004	ug/L	11:41:01
1	Be 234.861†	4174.4	5082.5	23.4812	ug/L	23.4812	ug/L	11:41:21
1	Cd 214.437†	6787.6	6379.0	236.921	ug/L	236.921	ug/L	11:41:21
1	Ce 413.764†	867.2	13.7	0.320819	ug/L	0.320819	ug/L	11:41:01
1	Co 228.616†	1469.4	1573.6	237.959	ug/L	237.959	ug/L	11:41:21
1	Cr 205.557†	2835.1	2891.7	238.527	ug/L	238.527	ug/L	11:41:21
1	Cu 327.397†	8547.9	8608.2	243.750	ug/L	243.750	ug/L	11:41:01
1	Mn 257.610†	35818.8	35667.7	239.538	ug/L	239.538	ug/L	11:41:01
1	Mo 202.031†	2107.6	2027.2	245.846	ug/L	245.846	ug/L	11:41:21
1	Ni 231.604†	3418.1	3077.9	240.289	ug/L	240.289	ug/L	11:41:21
1	Pb 220.353†	452.1	422.2	244.088	ug/L	244.088	ug/L	11:41:21
1	Sb 217.584†	1624.9	1690.7	1210.38	ug/L	1210.38	ug/L	11:41:21
1	Se 196.026†	480.0	523.2	1122.94	ug/L	1122.94	ug/L	11:41:21
1	Si 251.611†	15601.2	15725.5	1338.37	ug/L	1338.37	ug/L	11:41:01
1	Sn 189.927†	2663.1	2677.6	1195.61	ug/L	1195.61	ug/L	11:41:21
1	Tl 190.801†	934.4	988.4	1193.01	ug/L	1193.01	ug/L	11:41:21
1	V 292.395†	10498.6	11869.7	243.069	ug/L	243.069	ug/L	11:41:21
1	Zn 206.200†	2449.3	2537.9	255.088	ug/L	255.088	ug/L	11:41:21
2	Sc 357.234	197910.5	197910.5	99.6839	%			11:40:35
2	Al 396.153†	4145.7	3972.7	1188.53	ug/L	1188.53	ug/L	11:40:55
2	Ba 455.398†	74381.7	74610.5	239.712	ug/L	239.712	ug/L	11:40:35
2	Ca 315.887†	18531.3	18470.2	11.9170	mg/L	11.9170	mg/L	11:40:35
2	Fe 238.204†	612.6	587.5	238.436	ug/L	238.436	ug/L	11:40:55
2	K 766.490	8946.7	8858.5	11.7540	mg/L	11.7540	mg/L	11:40:35
2	Li 670.784†	8723.6	8684.5	237.524	ug/L	237.524	ug/L	11:40:35
2	Mg 279.071†	5856.7	5863.5	12.1060	mg/L	12.1060	mg/L	11:40:55
2	Na 589.592†	92863.6	92436.7	13.2940	mg/L	13.2940	mg/L	11:40:35
2	Sr 407.771†	199294.5	199681.5	239.735	ug/L	239.735	ug/L	11:40:35
2	Ti 334.940†	3777.7	3814.8	244.496	ug/L	244.496	ug/L	11:40:55
2	Y 360.076	271244.6	271244.6	99.9255	%			11:41:26
2	Ag 328.068†	15738.8	15643.5	235.828	ug/L	235.828	ug/L	11:41:26
2	As 188.979†	782.2	812.2	1157.82	ug/L	1157.82	ug/L	11:41:46
2	B 249.677†	6681.3	6340.9	331.230	ug/L	331.230	ug/L	11:41:26
2	Be 234.861†	4155.5	5031.9	23.2450	ug/L	23.2450	ug/L	11:41:46
2	Cd 214.437†	6768.1	6307.8	234.247	ug/L	234.247	ug/L	11:41:46
2	Ce 413.764†	821.3	-38.8	-1.08207	ug/L	-1.08207	ug/L	11:41:26

2	Co 228.616†	1461.6	1554.6	235.048 ug/L	235.048 ug/L	11:41:46
2	Cr 205.557†	2834.0	2868.9	236.635 ug/L	236.635 ug/L	11:41:46
2	Cu 327.397†	8500.0	8495.2	240.537 ug/L	240.537 ug/L	11:41:26
2	Mn 257.610†	35581.2	35157.4	236.077 ug/L	236.077 ug/L	11:41:26
2	Mo 202.031†	2114.0	2017.7	244.683 ug/L	244.683 ug/L	11:41:46
2	Ni 231.604†	3386.7	3020.5	235.751 ug/L	235.751 ug/L	11:41:46
2	Pb 220.353†	453.4	420.0	242.832 ug/L	242.832 ug/L	11:41:46
2	Sb 217.584†	1633.2	1686.7	1207.49 ug/L	1207.49 ug/L	11:41:46
2	Se 196.026†	489.2	528.8	1134.82 ug/L	1134.82 ug/L	11:41:46
2	Si 251.611†	15515.1	15520.7	1320.59 ug/L	1320.59 ug/L	11:41:26
2	Sn 189.927†	2661.2	2655.5	1185.74 ug/L	1185.74 ug/L	11:41:46
2	Tl 190.801†	934.4	981.2	1184.47 ug/L	1184.47 ug/L	11:41:46
2	V 292.395†	10450.7	11741.9	240.463 ug/L	240.463 ug/L	11:41:46
2	Zn 206.200†	2435.5	2505.4	251.780 ug/L	251.780 ug/L	11:41:46

Mean Data: 1000900-BS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	198792.2	100.128	%	0.6280				0.63%
Y 360.076	270221.5	99.5486	%	0.53301				0.54%
Ag 328.068†	15725.2	237.065	ug/L	1.7488	237.065	ug/L	1.7488	0.74%
Al 396.153†	3943.6	1179.70	ug/L	12.500	1179.70	ug/L	12.500	1.06%
As 188.979†	818.9	1167.52	ug/L	13.720	1167.52	ug/L	13.720	1.18%
B 249.677†	6338.8	331.117	ug/L	0.1597	331.117	ug/L	0.1597	0.05%
Ba 455.398†	74094.9	238.063	ug/L	2.3320	238.063	ug/L	2.3320	0.98%
Be 234.861†	5057.2	23.3631	ug/L	0.16701	23.3631	ug/L	0.16701	0.71%
Ca 315.887†	18342.7	11.8347	mg/L	0.11643	11.8347	mg/L	0.11643	0.98%
Cd 214.437†	6343.4	235.584	ug/L	1.8907	235.584	ug/L	1.8907	0.80%
Ce 413.764†	-12.6	-0.380627	ug/L	0.9919948	-0.380627	ug/L	0.9919948	260.62%
Co 228.616†	1564.1	236.504	ug/L	2.0587	236.504	ug/L	2.0587	0.87%
Cr 205.557†	2880.3	237.581	ug/L	1.3375	237.581	ug/L	1.3375	0.56%
Cu 327.397†	8551.7	242.143	ug/L	2.2717	242.143	ug/L	2.2717	0.94%
Fe 238.204†	591.0	239.839	ug/L	1.9851	239.839	ug/L	1.9851	0.83%
K 766.490	8850.5	11.7434	mg/L	0.01509	11.7434	mg/L	0.01509	0.13%
Li 670.784†	8644.2	236.422	ug/L	1.5590	236.422	ug/L	1.5590	0.66%
Mg 279.071†	5839.6	12.0566	mg/L	0.06987	12.0566	mg/L	0.06987	0.58%
Mn 257.610†	35412.5	237.807	ug/L	2.4470	237.807	ug/L	2.4470	1.03%
Mo 202.031†	2022.5	245.264	ug/L	0.8226	245.264	ug/L	0.8226	0.34%
Na 589.592†	91839.9	13.2083	mg/L	0.12127	13.2083	mg/L	0.12127	0.92%
Ni 231.604†	3049.2	238.020	ug/L	3.2090	238.020	ug/L	3.2090	1.35%
Pb 220.353†	421.1	243.460	ug/L	0.8875	243.460	ug/L	0.8875	0.36%
Sb 217.584†	1688.7	1208.93	ug/L	2.047	1208.93	ug/L	2.047	0.17%
Se 196.026†	526.0	1128.88	ug/L	8.398	1128.88	ug/L	8.398	0.74%
Si 251.611†	15623.1	1329.48	ug/L	12.574	1329.48	ug/L	12.574	0.95%
Sn 189.927†	2666.6	1190.68	ug/L	6.978	1190.68	ug/L	6.978	0.59%
Sr 407.771†	198346.1	238.138	ug/L	2.2584	238.138	ug/L	2.2584	0.95%
Ti 334.940†	3794.7	243.220	ug/L	1.8052	243.220	ug/L	1.8052	0.74%
Tl 190.801†	984.8	1188.74	ug/L	6.041	1188.74	ug/L	6.041	0.51%
V 292.395†	11805.8	241.766	ug/L	1.8433	241.766	ug/L	1.8433	0.76%
Zn 206.200†	2521.7	253.434	ug/L	2.3391	253.434	ug/L	2.3391	0.92%

Sequence No.: 17
Sample ID: 1002004-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 2/10/2010 11:42:59 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002004-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	198837.3	198837.3	100.151	%			11:44:04
1	Al 396.153†	3381.9	3190.7	956.814	ug/L	956.814	ug/L	11:44:25
1	Ba 455.398†	7430.1	7411.8	24.8042	ug/L	24.8042	ug/L	11:44:04
1	Ca 315.887†	20629.4	20478.5	13.2140	mg/L	13.2140	mg/L	11:44:04
1	Fe 238.204†	3303.3	3271.3	1341.11	ug/L	1341.11	ug/L	11:44:25
1	K 766.490	745.3	657.2	0.859028	mg/L	0.859028	mg/L	11:44:25
1	Li 670.784†	77.6	10.7	0.515164	ug/L	0.515164	ug/L	11:44:25
1	Mg 279.071†	852.5	839.4	1.72491	mg/L	1.72491	mg/L	11:44:25

1	Na 589.592†	18125.2	17376.5	2.50900 mg/L	2.50900 mg/L	11:44:04
1	Sr 407.771†	17744.9	17473.2	21.8390 ug/L	21.8390 ug/L	11:44:04
1	Ti 334.940†	401.3	425.8	28.9530 ug/L	28.9530 ug/L	11:44:25
1	Y 360.076	268092.1	268092.1	98.7642 %		11:44:56
1	Ag 328.068†	89.1	-16.8	-0.582997 ug/L	-0.582997 ug/L	11:45:16
1	As 188.979†	-29.0	0.0	-6.06184 ug/L	-6.06184 ug/L	11:45:16
1	B 249.677†	1299.9	970.7	46.0472 ug/L	46.0472 ug/L	11:45:16
1	Be 234.861†	-795.0	68.4	-0.347350 ug/L	-0.347350 ug/L	11:45:16
1	Cd 214.437†	498.3	39.2	-1.49977 ug/L	-1.49977 ug/L	11:45:16
1	Ce 413.764†	899.4	49.9	1.32068 ug/L	1.32068 ug/L	11:44:56
1	Co 228.616†	-89.0	1.8	-2.17367 ug/L	-2.17367 ug/L	11:45:16
1	Cr 205.557†	-12.5	20.1	-0.410399 ug/L	-0.410399 ug/L	11:45:16
1	Cu 327.397†	269.5	261.8	6.18605 ug/L	6.18605 ug/L	11:44:56
1	Mn 257.610†	10904.5	10590.6	69.5155 ug/L	69.5155 ug/L	11:44:56
1	Mo 202.031†	136.0	39.7	4.02177 ug/L	4.02177 ug/L	11:45:16
1	Ni 231.604†	435.0	71.7	2.38465 ug/L	2.38465 ug/L	11:45:16
1	Pb 220.353†	53.7	20.6	8.88154 ug/L	8.88154 ug/L	11:45:16
1	Sb 217.584†	-57.4	-5.9	-5.03164 ug/L	-5.03164 ug/L	11:45:16
1	Se 196.026†	-50.3	-11.8	-18.6185 ug/L	-18.6185 ug/L	11:45:16
1	Si 251.611†	40309.9	40808.3	3513.72 ug/L	3513.72 ug/L	11:44:56
1	Sn 189.927†	-9.3	-17.1	-11.3709 ug/L	-11.3709 ug/L	11:45:16
1	Tl 190.801†	-56.2	-10.7	-12.5456 ug/L	-12.5456 ug/L	11:45:16
1	V 292.395†	-1032.6	237.9	4.30909 ug/L	4.30909 ug/L	11:45:16
1	Zn 206.200†	103.4	172.9	14.7690 ug/L	14.7690 ug/L	11:45:16
2	Sc 357.234	199853.0	199853.0	100.662 %		11:44:30
2	Al 396.153†	3412.2	3203.6	960.689 ug/L	960.689 ug/L	11:44:50
2	Ba 455.398†	7456.8	7400.6	24.7685 ug/L	24.7685 ug/L	11:44:30
2	Ca 315.887†	20759.2	20502.8	13.2296 mg/L	13.2296 mg/L	11:44:30
2	Fe 238.204†	3316.1	3267.3	1339.46 ug/L	1339.46 ug/L	11:44:50
2	K 766.490	735.8	647.7	0.846393 mg/L	0.846393 mg/L	11:44:50
2	Li 670.784†	75.8	8.5	0.455835 ug/L	0.455835 ug/L	11:44:50
2	Mg 279.071†	848.2	830.8	1.70726 mg/L	1.70726 mg/L	11:44:50
2	Na 589.592†	18210.5	17369.3	2.50797 mg/L	2.50797 mg/L	11:44:30
2	Sr 407.771†	17900.7	17537.9	21.9164 ug/L	21.9164 ug/L	11:44:30
2	Ti 334.940†	426.9	449.2	30.4429 ug/L	30.4429 ug/L	11:44:50
2	Y 360.076	269645.7	269645.7	99.3365 %		11:45:21
2	Ag 328.068†	62.0	-44.7	-1.00713 ug/L	-1.00713 ug/L	11:45:41
2	As 188.979†	-18.0	11.2	10.0112 ug/L	10.0112 ug/L	11:45:41
2	B 249.677†	1322.3	985.7	46.8470 ug/L	46.8470 ug/L	11:45:41
2	Be 234.861†	-780.2	87.9	-0.255557 ug/L	-0.255557 ug/L	11:45:41
2	Cd 214.437†	506.8	44.9	-1.28332 ug/L	-1.28332 ug/L	11:45:41
2	Ce 413.764†	879.2	24.3	0.636584 ug/L	0.636584 ug/L	11:45:21
2	Co 228.616†	-91.6	-0.3	-2.49966 ug/L	-2.49966 ug/L	11:45:41
2	Cr 205.557†	-8.6	24.1	-0.0783839 ug/L	-0.0783839 ug/L	11:45:41
2	Cu 327.397†	268.7	259.5	6.12121 ug/L	6.12121 ug/L	11:45:21
2	Mn 257.610†	10975.9	10598.9	69.5715 ug/L	69.5715 ug/L	11:45:21
2	Mo 202.031†	142.1	45.1	4.68284 ug/L	4.68284 ug/L	11:45:41
2	Ni 231.604†	432.2	66.3	1.95986 ug/L	1.95986 ug/L	11:45:41
2	Pb 220.353†	62.1	28.7	13.6540 ug/L	13.6540 ug/L	11:45:41
2	Sb 217.584†	-59.5	-7.6	-6.29747 ug/L	-6.29747 ug/L	11:45:41
2	Se 196.026†	-52.5	-13.7	-22.5749 ug/L	-22.5749 ug/L	11:45:41
2	Si 251.611†	40599.8	40865.1	3518.59 ug/L	3518.59 ug/L	11:45:21
2	Sn 189.927†	-21.6	-29.5	-16.8950 ug/L	-16.8950 ug/L	11:45:41
2	Tl 190.801†	-60.5	-14.8	-17.4566 ug/L	-17.4566 ug/L	11:45:41
2	V 292.395†	-1043.9	232.6	4.20684 ug/L	4.20684 ug/L	11:45:41
2	Zn 206.200†	102.7	171.6	14.6393 ug/L	14.6393 ug/L	11:45:41

Mean Data: 1002004-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	199345.2	100.406	%	0.3617				0.36%
Y 360.076	268868.9	99.0503	%	0.40472				0.41%
Ag 328.068†	-30.8	-0.795061	ug/L	0.2999044	-0.795061	ug/L	0.2999044	37.72%
Al 396.153†	3197.2	958.751	ug/L	2.7399	958.751	ug/L	2.7399	0.29%
As 188.979†	5.6	1.97470	ug/L	11.365388	1.97470	ug/L	11.365388	575.55%
B 249.677†	978.2	46.4471	ug/L	0.56557	46.4471	ug/L	0.56557	1.22%
Ba 455.398†	7406.2	24.7864	ug/L	0.02526	24.7864	ug/L	0.02526	0.10%
Be 234.861†	78.1	-0.301453	ug/L	0.0649069	-0.301453	ug/L	0.0649069	21.53%
Ca 315.887†	20490.6	13.2218	mg/L	0.01106	13.2218	mg/L	0.01106	0.08%
Cd 214.437†	42.1	-1.39155	ug/L	0.153049	-1.39155	ug/L	0.153049	11.00%

Ce 413.764†	37.1	0.978630 ug/L	0.4837257	0.978630 ug/L	0.4837257	49.43%
Co 228.616†	0.7	-2.33666 ug/L	0.230516	-2.33666 ug/L	0.230516	9.87%
Cr 205.557†	22.1	-0.244392 ug/L	0.2347704	-0.244392 ug/L	0.2347704	96.06%
Cu 327.397†	260.6	6.15363 ug/L	0.045851	6.15363 ug/L	0.045851	0.75%
Fe 238.204†	3269.3	1340.29 ug/L	1.168	1340.29 ug/L	1.168	0.09%
K 766.490	652.5	0.852710 mg/L	0.0089346	0.852710 mg/L	0.0089346	1.05%
Li 670.784†	9.6	0.485500 ug/L	0.0419522	0.485500 ug/L	0.0419522	8.64%
Mg 279.071†	835.1	1.71609 mg/L	0.012483	1.71609 mg/L	0.012483	0.73%
Mn 257.610†	10594.8	69.5435 ug/L	0.03959	69.5435 ug/L	0.03959	0.06%
Mo 202.031†	42.4	4.35230 ug/L	0.467446	4.35230 ug/L	0.467446	10.74%
Na 589.592†	17372.9	2.50848 mg/L	0.000729	2.50848 mg/L	0.000729	0.03%
Ni 231.604†	69.0	2.17225 ug/L	0.300369	2.17225 ug/L	0.300369	13.83%
Pb 220.353†	24.7	11.2677 ug/L	3.37461	11.2677 ug/L	3.37461	29.95%
Sb 217.584†	-6.7	-5.66456 ug/L	0.895081	-5.66456 ug/L	0.895081	15.80%
Se 196.026†	-12.7	-20.5967 ug/L	2.79758	-20.5967 ug/L	2.79758	13.58%
Si 251.611†	40836.7	3516.15 ug/L	3.443	3516.15 ug/L	3.443	0.10%
Sn 189.927†	-23.3	-14.1330 ug/L	3.90614	-14.1330 ug/L	3.90614	27.64%
Sr 407.771†	17505.6	21.8777 ug/L	0.05473	21.8777 ug/L	0.05473	0.25%
Ti 334.940†	437.5	29.6980 ug/L	1.05354	29.6980 ug/L	1.05354	3.55%
Tl 190.801†	-12.8	-15.0011 ug/L	3.47261	-15.0011 ug/L	3.47261	23.15%
V 292.395†	235.3	4.25796 ug/L	0.072302	4.25796 ug/L	0.072302	1.70%
Zn 206.200†	172.2	14.7042 ug/L	0.09172	14.7042 ug/L	0.09172	0.62%

Sequence No.: 18 **Autosampler Location: 20**
Sample ID: 1000900-MS1 **Date Collected: 2/10/2010 11:46:57 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1000900-MS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	197179.2	197179.2	99.3155	%			11:48:03
1	Al 396.153†	7548.6	7414.5	2232.17	ug/L	2232.17	ug/L	11:48:08
1	Ba 455.398†	82181.4	82740.7	265.713	ug/L	265.713	ug/L	11:48:03
1	Ca 315.887†	38829.6	38977.4	25.1604	mg/L	25.1604	mg/L	11:48:08
1	Fe 238.204†	3610.7	3608.6	1478.74	ug/L	1478.74	ug/L	11:48:08
1	K 766.490	9747.0	9658.9	12.8172	mg/L	12.8172	mg/L	11:48:08
1	Li 670.784†	9035.9	9031.4	247.004	ug/L	247.004	ug/L	11:48:08
1	Mg 279.071†	6763.3	6798.1	14.0372	mg/L	14.0372	mg/L	11:48:08
1	Na 589.592†	106102.3	106112.1	15.2590	mg/L	15.2590	mg/L	11:48:03
1	Sr 407.771†	219861.9	221132.1	265.387	ug/L	265.387	ug/L	11:48:03
1	Ti 334.940†	4221.7	4275.9	273.825	ug/L	273.825	ug/L	11:48:08
1	Y 360.076	265315.9	265315.9	97.7414	%			11:48:24
1	Ag 328.068†	16065.6	16329.8	246.521	ug/L	246.521	ug/L	11:48:24
1	As 188.979†	799.5	847.3	1207.97	ug/L	1207.97	ug/L	11:48:44
1	B 249.677†	5997.3	5790.5	302.020	ug/L	302.020	ug/L	11:48:44
1	Be 234.861†	4303.6	5276.4	23.9647	ug/L	23.9647	ug/L	11:48:44
1	Cd 214.437†	6849.4	6542.4	242.761	ug/L	242.761	ug/L	11:48:44
1	Ce 413.764†	888.2	48.0	1.22594	ug/L	1.22594	ug/L	11:48:24
1	Co 228.616†	1496.2	1622.7	245.358	ug/L	245.358	ug/L	11:48:44
1	Cr 205.557†	2915.0	3015.2	248.886	ug/L	248.886	ug/L	11:48:44
1	Cu 327.397†	9018.0	9215.3	261.040	ug/L	261.040	ug/L	11:48:24
1	Mn 257.610†	45163.1	45756.4	308.002	ug/L	308.002	ug/L	11:48:24
1	Mo 202.031†	2193.8	2146.6	260.363	ug/L	260.363	ug/L	11:48:44
1	Ni 231.604†	3476.0	3187.6	248.982	ug/L	248.982	ug/L	11:48:44
1	Pb 220.353†	472.5	449.6	260.175	ug/L	260.175	ug/L	11:48:44
1	Sb 217.584†	1634.1	1724.2	1238.15	ug/L	1238.15	ug/L	11:48:44
1	Se 196.026†	467.4	517.3	1111.83	ug/L	1111.83	ug/L	11:48:44
1	Si 251.611†	55485.8	56762.0	4887.23	ug/L	4887.23	ug/L	11:48:24
1	Sn 189.927†	2713.9	2768.8	1239.42	ug/L	1239.42	ug/L	11:48:44
1	Tl 190.801†	950.5	1018.6	1229.80	ug/L	1229.80	ug/L	11:48:44
1	V 292.395†	11065.0	12604.1	257.887	ug/L	257.887	ug/L	11:48:44
1	Zn 206.200†	2378.6	2501.7	251.261	ug/L	251.261	ug/L	11:48:44
2	Sc 357.234	198531.1	198531.1	99.9965	%			11:48:13
2	Al 396.153†	7568.2	7382.4	2222.39	ug/L	2222.39	ug/L	11:48:18
2	Ba 455.398†	82871.1	82866.9	266.117	ug/L	266.117	ug/L	11:48:13
2	Ca 315.887†	38650.5	38532.0	24.8728	mg/L	24.8728	mg/L	11:48:18
2	Fe 238.204†	3570.9	3544.1	1452.26	ug/L	1452.26	ug/L	11:48:18

2	K 766.490	9785.7	9697.6	12.8687 mg/L	12.8687 mg/L	11:48:18
2	Li 670.784†	9020.6	8954.1	244.891 ug/L	244.891 ug/L	11:48:18
2	Mg 279.071†	6768.0	6756.4	13.9511 mg/L	13.9511 mg/L	11:48:18
2	Na 589.592†	107019.4	106301.8	15.2862 mg/L	15.2862 mg/L	11:48:13
2	Sr 407.771†	221805.0	221567.8	265.908 ug/L	265.908 ug/L	11:48:13
2	Ti 334.940†	4232.5	4257.7	272.670 ug/L	272.670 ug/L	11:48:18
2	Y 360.076	267026.1	267026.1	98.3715 %		11:48:49
2	Ag 328.068†	16146.2	16306.4	246.162 ug/L	246.162 ug/L	11:48:49
2	As 188.979†	805.8	848.5	1209.72 ug/L	1209.72 ug/L	11:49:09
2	B 249.677†	6066.1	5821.1	303.655 ug/L	303.655 ug/L	11:49:09
2	Be 234.861†	4320.9	5265.7	23.9238 ug/L	23.9238 ug/L	11:49:09
2	Cd 214.437†	6874.2	6522.7	242.029 ug/L	242.029 ug/L	11:49:09
2	Ce 413.764†	896.1	50.2	1.28446 ug/L	1.28446 ug/L	11:48:49
2	Co 228.616†	1493.7	1610.3	243.465 ug/L	243.465 ug/L	11:49:09
2	Cr 205.557†	2944.5	3026.1	249.794 ug/L	249.794 ug/L	11:49:09
2	Cu 327.397†	9069.7	9208.8	260.854 ug/L	260.854 ug/L	11:48:49
2	Mn 257.610†	45376.3	45677.2	307.464 ug/L	307.464 ug/L	11:48:49
2	Mo 202.031†	2204.4	2142.9	259.922 ug/L	259.922 ug/L	11:49:09
2	Ni 231.604†	3483.6	3172.5	247.791 ug/L	247.791 ug/L	11:49:09
2	Pb 220.353†	467.6	441.6	255.483 ug/L	255.483 ug/L	11:49:09
2	Sb 217.584†	1634.4	1713.7	1230.53 ug/L	1230.53 ug/L	11:49:09
2	Se 196.026†	465.0	511.9	1100.22 ug/L	1100.22 ug/L	11:49:09
2	Si 251.611†	55815.0	56733.0	4884.74 ug/L	4884.74 ug/L	11:48:49
2	Sn 189.927†	2732.2	2769.7	1239.73 ug/L	1239.73 ug/L	11:49:09
2	Tl 190.801†	953.6	1015.5	1226.05 ug/L	1226.05 ug/L	11:49:09
2	V 292.395†	11085.7	12552.7	256.844 ug/L	256.844 ug/L	11:49:09
2	Zn 206.200†	2364.2	2471.5	248.190 ug/L	248.190 ug/L	11:49:09

Mean Data: 1000900-MS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	197855.2	99.6560	%	0.48148				0.48%
Y 360.076	266171.0	98.0565	%	0.44550				0.45%
Ag 328.068†	16318.1	246.342	ug/L	0.2539	246.342	ug/L	0.2539	0.10%
Al 396.153†	7398.5	2227.28	ug/L	6.910	2227.28	ug/L	6.910	0.31%
As 188.979†	847.9	1208.84	ug/L	1.240	1208.84	ug/L	1.240	0.10%
B 249.677†	5805.8	302.838	ug/L	1.1560	302.838	ug/L	1.1560	0.38%
Ba 455.398†	82803.8	265.915	ug/L	0.2856	265.915	ug/L	0.2856	0.11%
Be 234.861†	5271.0	23.9443	ug/L	0.02891	23.9443	ug/L	0.02891	0.12%
Ca 315.887†	38754.7	25.0166	mg/L	0.20339	25.0166	mg/L	0.20339	0.81%
Cd 214.437†	6532.5	242.395	ug/L	0.5178	242.395	ug/L	0.5178	0.21%
Ce 413.764†	49.1	1.25520	ug/L	0.041383	1.25520	ug/L	0.041383	3.30%
Co 228.616†	1616.5	244.412	ug/L	1.3386	244.412	ug/L	1.3386	0.55%
Cr 205.557†	3020.6	249.340	ug/L	0.6416	249.340	ug/L	0.6416	0.26%
Cu 327.397†	9212.0	260.947	ug/L	0.1318	260.947	ug/L	0.1318	0.05%
Fe 238.204†	3576.3	1465.50	ug/L	18.720	1465.50	ug/L	18.720	1.28%
K 766.490	9678.2	12.8430	mg/L	0.03635	12.8430	mg/L	0.03635	0.28%
Li 670.784†	8992.8	245.948	ug/L	1.4941	245.948	ug/L	1.4941	0.61%
Mg 279.071†	6777.3	13.9942	mg/L	0.06090	13.9942	mg/L	0.06090	0.44%
Mn 257.610†	45716.8	307.733	ug/L	0.3802	307.733	ug/L	0.3802	0.12%
Mo 202.031†	2144.7	260.143	ug/L	0.3117	260.143	ug/L	0.3117	0.12%
Na 589.592†	106206.9	15.2726	mg/L	0.01927	15.2726	mg/L	0.01927	0.13%
Ni 231.604†	3180.0	248.386	ug/L	0.8421	248.386	ug/L	0.8421	0.34%
Pb 220.353†	445.6	257.829	ug/L	3.3178	257.829	ug/L	3.3178	1.29%
Sb 217.584†	1718.9	1234.34	ug/L	5.384	1234.34	ug/L	5.384	0.44%
Se 196.026†	514.6	1106.02	ug/L	8.213	1106.02	ug/L	8.213	0.74%
Si 251.611†	56747.5	4885.98	ug/L	1.758	4885.98	ug/L	1.758	0.04%
Sn 189.927†	2769.3	1239.57	ug/L	0.219	1239.57	ug/L	0.219	0.02%
Sr 407.771†	221350.0	265.648	ug/L	0.3685	265.648	ug/L	0.3685	0.14%
Ti 334.940†	4266.8	273.248	ug/L	0.8165	273.248	ug/L	0.8165	0.30%
Tl 190.801†	1017.1	1227.92	ug/L	2.656	1227.92	ug/L	2.656	0.22%
V 292.395†	12578.4	257.365	ug/L	0.7377	257.365	ug/L	0.7377	0.29%
Zn 206.200†	2486.6	249.726	ug/L	2.1718	249.726	ug/L	2.1718	0.87%

Sequence No.: 19
Sample ID: 1000900-MSD1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 2/10/2010 11:50:22 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000900-MSD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	196125.8	196125.8	98.7849	%			11:51:28
1	Al 396.153†	7437.1	7342.5	2210.39	ug/L	2210.39	ug/L	11:51:33
1	Ba 455.398†	80675.8	81661.1	262.260	ug/L	262.260	ug/L	11:51:28
1	Ca 315.887†	38095.7	38444.5	24.8163	mg/L	24.8163	mg/L	11:51:33
1	Fe 238.204†	3477.2	3493.0	1431.30	ug/L	1431.30	ug/L	11:51:33
1	K 766.490	9601.9	9513.8	12.6245	mg/L	12.6245	mg/L	11:51:33
1	Li 670.784†	8839.4	8881.4	242.904	ug/L	242.904	ug/L	11:51:33
1	Mg 279.071†	6650.1	6720.0	13.8760	mg/L	13.8760	mg/L	11:51:33
1	Na 589.592†	104275.5	104836.7	15.0757	mg/L	15.0757	mg/L	11:51:28
1	Sr 407.771†	215839.9	218249.8	261.940	ug/L	261.940	ug/L	11:51:28
1	Ti 334.940†	4186.1	4262.7	272.986	ug/L	272.986	ug/L	11:51:33
1	Y 360.076	265686.8	265686.8	97.8781	%			11:51:50
1	Ag 328.068†	15720.9	15954.6	240.834	ug/L	240.834	ug/L	11:51:50
1	As 188.979†	794.2	840.8	1198.72	ug/L	1198.72	ug/L	11:52:10
1	B 249.677†	5943.5	5726.9	298.649	ug/L	298.649	ug/L	11:52:10
1	Be 234.861†	4228.8	5193.7	23.5943	ug/L	23.5943	ug/L	11:52:10
1	Cd 214.437†	6752.1	6433.1	238.667	ug/L	238.667	ug/L	11:52:10
1	Ce 413.764†	813.0	-30.2	-0.859361	ug/L	-0.859361	ug/L	11:51:50
1	Co 228.616†	1453.2	1576.6	238.302	ug/L	238.302	ug/L	11:52:10
1	Cr 205.557†	2859.9	2954.7	243.846	ug/L	243.846	ug/L	11:52:10
1	Cu 327.397†	8812.2	8992.2	254.693	ug/L	254.693	ug/L	11:51:50
1	Mn 257.610†	44039.8	44544.3	299.780	ug/L	299.780	ug/L	11:51:50
1	Mo 202.031†	2158.6	2107.5	255.611	ug/L	255.611	ug/L	11:52:10
1	Ni 231.604†	3442.7	3148.5	245.897	ug/L	245.897	ug/L	11:52:10
1	Pb 220.353†	460.1	436.3	252.373	ug/L	252.373	ug/L	11:52:10
1	Sb 217.584†	1601.6	1688.7	1212.48	ug/L	1212.48	ug/L	11:52:10
1	Se 196.026†	450.1	499.0	1072.64	ug/L	1072.64	ug/L	11:52:10
1	Si 251.611†	54046.3	55212.1	4753.18	ug/L	4753.18	ug/L	11:51:50
1	Sn 189.927†	2671.3	2721.5	1218.11	ug/L	1218.11	ug/L	11:52:10
1	Tl 190.801†	931.3	997.6	1204.50	ug/L	1204.50	ug/L	11:52:10
1	V 292.395†	10862.3	12381.2	253.322	ug/L	253.322	ug/L	11:52:10
1	Zn 206.200†	2332.2	2450.9	246.101	ug/L	246.101	ug/L	11:52:10
2	Sc 357.234	197237.9	197237.9	99.3451	%			11:51:38
2	Al 396.153†	7461.5	7324.6	2204.92	ug/L	2204.92	ug/L	11:51:43
2	Ba 455.398†	81207.9	81736.2	262.501	ug/L	262.501	ug/L	11:51:38
2	Ca 315.887†	38010.8	38141.5	24.6206	mg/L	24.6206	mg/L	11:51:43
2	Fe 238.204†	3491.1	3487.1	1428.88	ug/L	1428.88	ug/L	11:51:43
2	K 766.490	9571.5	9483.4	12.5841	mg/L	12.5841	mg/L	11:51:43
2	Li 670.784†	8854.8	8846.3	241.947	ug/L	241.947	ug/L	11:51:43
2	Mg 279.071†	6654.8	6686.8	13.8073	mg/L	13.8073	mg/L	11:51:43
2	Na 589.592†	104906.0	104876.2	15.0814	mg/L	15.0814	mg/L	11:51:38
2	Sr 407.771†	216932.2	218117.2	261.782	ug/L	261.782	ug/L	11:51:38
2	Ti 334.940†	4184.1	4236.7	271.335	ug/L	271.335	ug/L	11:51:43
2	Y 360.076	266426.4	266426.4	98.1505	%			11:52:15
2	Ag 328.068†	15792.0	15982.5	241.256	ug/L	241.256	ug/L	11:52:15
2	As 188.979†	786.0	830.1	1183.41	ug/L	1183.41	ug/L	11:52:35
2	B 249.677†	5977.0	5744.2	299.567	ug/L	299.567	ug/L	11:52:35
2	Be 234.861†	4227.9	5180.8	23.5347	ug/L	23.5347	ug/L	11:52:35
2	Cd 214.437†	6753.7	6415.7	238.014	ug/L	238.014	ug/L	11:52:35
2	Ce 413.764†	842.4	-2.5	-0.121616	ug/L	-0.121616	ug/L	11:52:15
2	Co 228.616†	1466.6	1586.2	239.776	ug/L	239.776	ug/L	11:52:35
2	Cr 205.557†	2878.5	2965.6	244.758	ug/L	244.758	ug/L	11:52:35
2	Cu 327.397†	8860.8	9016.7	255.390	ug/L	255.390	ug/L	11:52:15
2	Mn 257.610†	44389.9	44776.0	301.352	ug/L	301.352	ug/L	11:52:15
2	Mo 202.031†	2166.7	2109.6	255.869	ug/L	255.869	ug/L	11:52:35
2	Ni 231.604†	3419.2	3114.9	243.231	ug/L	243.231	ug/L	11:52:35
2	Pb 220.353†	462.5	437.4	253.036	ug/L	253.036	ug/L	11:52:35
2	Sb 217.584†	1606.2	1688.7	1212.52	ug/L	1212.52	ug/L	11:52:35
2	Se 196.026†	457.8	505.6	1086.65	ug/L	1086.65	ug/L	11:52:35
2	Si 251.611†	54476.6	55497.1	4777.88	ug/L	4777.88	ug/L	11:52:15
2	Sn 189.927†	2681.6	2724.4	1219.37	ug/L	1219.37	ug/L	11:52:35
2	Tl 190.801†	932.6	996.3	1202.88	ug/L	1202.88	ug/L	11:52:35
2	V 292.395†	10900.3	12389.1	253.486	ug/L	253.486	ug/L	11:52:35
2	Zn 206.200†	2319.3	2431.1	244.089	ug/L	244.089	ug/L	11:52:35

Mean Data: 1000900-MSD1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	196681.8	99.0650	%	0.39609				0.40%
Y 360.076	266056.6	98.0143	%	0.19268				0.20%
Ag 328.068†	15968.6	241.045	ug/L	0.2981	241.045	ug/L	0.2981	0.12%
Al 396.153†	7333.5	2207.65	ug/L	3.868	2207.65	ug/L	3.868	0.18%
As 188.979†	835.5	1191.07	ug/L	10.827	1191.07	ug/L	10.827	0.91%
B 249.677†	5735.6	299.108	ug/L	0.6486	299.108	ug/L	0.6486	0.22%
Ba 455.398†	81698.6	262.381	ug/L	0.1699	262.381	ug/L	0.1699	0.06%
Be 234.861†	5187.3	23.5645	ug/L	0.04214	23.5645	ug/L	0.04214	0.18%
Ca 315.887†	38293.0	24.7185	mg/L	0.13834	24.7185	mg/L	0.13834	0.56%
Cd 214.437†	6424.4	238.340	ug/L	0.4619	238.340	ug/L	0.4619	0.19%
Ce 413.764†	-16.4	-0.490488	ug/L	0.5216646	-0.490488	ug/L	0.5216646	106.36%
Co 228.616†	1581.4	239.039	ug/L	1.0427	239.039	ug/L	1.0427	0.44%
Cr 205.557†	2960.2	244.302	ug/L	0.6447	244.302	ug/L	0.6447	0.26%
Cu 327.397†	9004.4	255.041	ug/L	0.4929	255.041	ug/L	0.4929	0.19%
Fe 238.204†	3490.1	1430.09	ug/L	1.709	1430.09	ug/L	1.709	0.12%
K 766.490	9498.6	12.6043	mg/L	0.02857	12.6043	mg/L	0.02857	0.23%
Li 670.784†	8863.9	242.426	ug/L	0.6767	242.426	ug/L	0.6767	0.28%
Mg 279.071†	6703.4	13.8416	mg/L	0.04857	13.8416	mg/L	0.04857	0.35%
Mn 257.610†	44660.2	300.566	ug/L	1.1114	300.566	ug/L	1.1114	0.37%
Mo 202.031†	2108.6	255.740	ug/L	0.1825	255.740	ug/L	0.1825	0.07%
Na 589.592†	104856.4	15.0785	mg/L	0.00401	15.0785	mg/L	0.00401	0.03%
Ni 231.604†	3131.7	244.564	ug/L	1.8851	244.564	ug/L	1.8851	0.77%
Pb 220.353†	436.9	252.704	ug/L	0.4685	252.704	ug/L	0.4685	0.19%
Sb 217.584†	1688.7	1212.50	ug/L	0.032	1212.50	ug/L	0.032	0.00%
Se 196.026†	502.3	1079.65	ug/L	9.910	1079.65	ug/L	9.910	0.92%
Si 251.611†	55354.6	4765.53	ug/L	17.466	4765.53	ug/L	17.466	0.37%
Sn 189.927†	2722.9	1218.74	ug/L	0.893	1218.74	ug/L	0.893	0.07%
Sr 407.771†	218183.5	261.861	ug/L	0.1121	261.861	ug/L	0.1121	0.04%
Ti 334.940†	4249.7	272.160	ug/L	1.1675	272.160	ug/L	1.1675	0.43%
Tl 190.801†	997.0	1203.69	ug/L	1.148	1203.69	ug/L	1.148	0.10%
V 292.395†	12385.2	253.404	ug/L	0.1164	253.404	ug/L	0.1164	0.05%
Zn 206.200†	2441.0	245.095	ug/L	1.4229	245.095	ug/L	1.4229	0.58%

Sequence No.: 20
Sample ID: 0B10018-SRD1
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 22
Date Collected: 2/10/2010 11:53:48 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B10018-SRD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	200129.1	200129.1	100.801	%			11:54:54
1	Al 396.153†	825.4	632.7	180.846	ug/L	904.232	ug/L	11:55:14
1	Ba 455.398†	1440.5	1422.0	5.64832	ug/L	28.2416	ug/L	11:54:54
1	Ca 315.887†	4287.9	4133.9	2.65874	mg/L	13.2937	mg/L	11:55:14
1	Fe 238.204†	692.5	660.0	269.020	ug/L	1345.10	ug/L	11:55:14
1	K 766.490	207.5	119.4	0.144547	mg/L	0.722735	mg/L	11:54:54
1	Li 670.784†	85.9	18.4	0.727156	ug/L	3.63578	ug/L	11:54:54
1	Mg 279.071†	190.8	177.4	0.357141	mg/L	1.78570	mg/L	11:55:14
1	Na 589.592†	4140.4	3386.1	0.498799	mg/L	2.49399	mg/L	11:54:54
1	Sr 407.771†	3737.8	3463.0	5.08476	ug/L	25.4238	ug/L	11:54:54
1	Ti 334.940†	57.9	82.5	7.11820	ug/L	35.5910	ug/L	11:55:14
1	Y 360.076	270822.5	270822.5	99.7700	%			11:55:45
1	Ag 328.068†	87.3	-19.6	-0.893920	ug/L	-4.46960	ug/L	11:56:05
1	As 188.979†	-25.1	4.2	0.0894054	ug/L	0.447027	ug/L	11:56:05
1	B 249.677†	597.7	253.7	7.75419	ug/L	38.7709	ug/L	11:56:05
1	Be 234.861†	-863.8	7.5	-0.266577	ug/L	-1.33288	ug/L	11:56:05
1	Cd 214.437†	468.4	4.2	-2.56570	ug/L	-12.8285	ug/L	11:56:05
1	Ce 413.764†	844.6	-14.2	-0.381198	ug/L	-1.90599	ug/L	11:55:45
1	Co 228.616†	-82.3	9.4	-0.920859	ug/L	-4.60430	ug/L	11:56:05
1	Cr 205.557†	-32.2	0.6	-2.10151	ug/L	-10.5076	ug/L	11:56:05
1	Cu 327.397†	54.2	43.2	-0.0453340	ug/L	-0.226670	ug/L	11:55:45
1	Mn 257.610†	2503.0	2058.5	11.6130	ug/L	58.0651	ug/L	11:56:05
1	Mo 202.031†	108.5	10.8	0.500315	ug/L	2.50158	ug/L	11:56:05
1	Ni 231.604†	390.0	22.2	-1.54047	ug/L	-7.70234	ug/L	11:56:05

1	Pb 220.353†	38.5	4.8	-0.386150 ug/L	-1.93075 ug/L	11:56:05
1	Sb 217.584†	-41.3	10.9	3.76748 ug/L	18.8374 ug/L	11:56:05
1	Se 196.026†	-44.1	-5.1	-5.47924 ug/L	-27.3962 ug/L	11:56:05
1	Si 251.611†	8291.1	8304.3	702.637 ug/L	3513.18 ug/L	11:55:45
1	Sn 189.927†	3.1	-4.6	-8.08211 ug/L	-40.4106 ug/L	11:56:05
1	Tl 190.801†	-52.7	-6.7	-7.96455 ug/L	-39.8227 ug/L	11:56:05
1	V 292.395†	-1232.1	48.5	0.636126 ug/L	3.18063 ug/L	11:56:05
1	Zn 206.200†	-40.4	27.6	0.118453 ug/L	0.592264 ug/L	11:56:05
2	Sc 357.234	199291.5	199291.5	100.379 %		11:55:19
2	Al 396.153†	824.5	635.2	181.641 ug/L	908.204 ug/L	11:55:39
2	Ba 455.398†	1516.2	1503.3	5.90845 ug/L	29.5423 ug/L	11:55:19
2	Ca 315.887†	4303.8	4167.6	2.68050 mg/L	13.4025 mg/L	11:55:39
2	Fe 238.204†	692.7	663.1	270.260 ug/L	1351.30 ug/L	11:55:39
2	K 766.490	194.3	106.2	0.127021 mg/L	0.635103 mg/L	11:55:19
2	Li 670.784†	59.5	-7.5	0.0197258 ug/L	0.0986292 ug/L	11:55:19
2	Mg 279.071†	196.9	184.3	0.371296 mg/L	1.85648 mg/L	11:55:39
2	Na 589.592†	4151.7	3414.6	0.502888 mg/L	2.51444 mg/L	11:55:19
2	Sr 407.771†	3778.4	3519.0	5.15177 ug/L	25.7589 ug/L	11:55:19
2	Ti 334.940†	69.4	94.3	7.86702 ug/L	39.3351 ug/L	11:55:39
2	Y 360.076	268949.6	268949.6	99.0801 %		11:56:10
2	Ag 328.068†	113.5	7.5	-0.492737 ug/L	-2.46369 ug/L	11:56:30
2	As 188.979†	-23.0	6.2	2.93287 ug/L	14.6644 ug/L	11:56:30
2	B 249.677†	609.0	269.2	8.58649 ug/L	42.9324 ug/L	11:56:30
2	Be 234.861†	-848.9	16.5	-0.224761 ug/L	-1.12381 ug/L	11:56:30
2	Cd 214.437†	478.5	17.7	-2.05849 ug/L	-10.2925 ug/L	11:56:30
2	Ce 413.764†	780.0	-73.5	-1.96309 ug/L	-9.81545 ug/L	11:56:10
2	Co 228.616†	-92.0	-1.0	-2.51723 ug/L	-12.5862 ug/L	11:56:30
2	Cr 205.557†	-32.5	-0.0	-2.15291 ug/L	-10.7646 ug/L	11:56:30
2	Cu 327.397†	84.8	74.5	0.845747 ug/L	4.22874 ug/L	11:56:10
2	Mn 257.610†	2499.1	2072.0	11.7049 ug/L	58.5243 ug/L	11:56:30
2	Mo 202.031†	100.2	3.1	-0.426874 ug/L	-2.13437 ug/L	11:56:30
2	Ni 231.604†	386.3	21.1	-1.62610 ug/L	-8.13049 ug/L	11:56:30
2	Pb 220.353†	42.1	8.7	1.89574 ug/L	9.47868 ug/L	11:56:30
2	Sb 217.584†	-54.8	-3.1	-6.24904 ug/L	-31.2452 ug/L	11:56:30
2	Se 196.026†	-56.5	-17.9	-32.9002 ug/L	-164.501 ug/L	11:56:30
2	Si 251.611†	8229.5	8300.0	702.250 ug/L	3511.25 ug/L	11:56:10
2	Sn 189.927†	-2.4	-10.2	-10.5470 ug/L	-52.7349 ug/L	11:56:30
2	Tl 190.801†	-52.5	-6.8	-8.11213 ug/L	-40.5607 ug/L	11:56:30
2	V 292.395†	-1234.3	37.6	0.404661 ug/L	2.02331 ug/L	11:56:30
2	Zn 206.200†	-33.3	34.5	0.815541 ug/L	4.07770 ug/L	11:56:30

Mean Data: 0B10018-SRD1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	199710.3	100.590	%	0.2983				0.30%
Y 360.076	269886.0	99.4251	%	0.48788				0.49%
Ag 328.068†	-6.1	-0.693328	ug/L	0.2836788	-3.46664	ug/L	1.418394	40.92%
Al 396.153†	634.0	181.244	ug/L	0.5617	906.218	ug/L	2.8085	0.31%
As 188.979†	5.2	1.51114	ug/L	2.010635	7.55569	ug/L	10.053173	133.05%
B 249.677†	261.4	8.17034	ug/L	0.588524	40.8517	ug/L	2.94262	7.20%
Ba 455.398†	1462.7	5.77839	ug/L	0.183941	28.8919	ug/L	0.91971	3.18%
Be 234.861†	12.0	-0.245669	ug/L	0.0295681	-1.22835	ug/L	0.147840	12.04%
Ca 315.887†	4150.8	2.66962	mg/L	0.015387	13.3481	mg/L	0.07694	0.58%
Cd 214.437†	10.9	-2.31210	ug/L	0.358649	-11.5605	ug/L	1.79324	15.51%
Ce 413.764†	-43.8	-1.17214	ug/L	1.118567	-5.86072	ug/L	5.592834	95.43%
Co 228.616†	4.2	-1.71904	ug/L	1.128805	-8.59522	ug/L	5.644023	65.66%
Cr 205.557†	0.3	-2.12721	ug/L	0.036347	-10.6361	ug/L	0.18174	1.71%
Cu 327.397†	58.9	0.400206	ug/L	0.6300894	2.00103	ug/L	3.150447	157.44%
Fe 238.204†	661.5	269.640	ug/L	0.8765	1348.20	ug/L	4.383	0.33%
K 766.490	112.8	0.135784	mg/L	0.0123930	0.678919	mg/L	0.0619649	9.13%
Li 670.784†	5.5	0.373441	ug/L	0.5002284	1.86720	ug/L	2.501142	133.95%
Mg 279.071†	180.9	0.364218	mg/L	0.0100089	1.82109	mg/L	0.050044	2.75%
Mn 257.610†	2065.2	11.6589	ug/L	0.06494	58.2947	ug/L	0.32469	0.56%
Mo 202.031†	7.0	0.0367207	ug/L	0.65562195	0.183603	ug/L	3.2781097	>999.9%
Na 589.592†	3400.4	0.500843	mg/L	0.0028913	2.50422	mg/L	0.014457	0.58%
Ni 231.604†	21.6	-1.58328	ug/L	0.060550	-7.91642	ug/L	0.302748	3.82%
Pb 220.353†	6.7	0.754793	ug/L	1.6135372	3.77397	ug/L	8.067686	213.77%
Sb 217.584†	3.9	-1.24078	ug/L	7.082748	-6.20390	ug/L	35.413738	570.83%
Se 196.026†	-11.5	-19.1897	ug/L	19.38955	-95.9486	ug/L	96.94776	101.04%
Si 251.611†	8302.1	702.443	ug/L	0.2739	3512.22	ug/L	1.369	0.04%

Sn 189.927†	-7.4	-9.31454 ug/L	1.742921	-46.5727 ug/L	8.71460	18.71%
Sr 407.771†	3491.0	5.11826 ug/L	0.047384	25.5913 ug/L	0.23692	0.93%
Ti 334.940†	88.4	7.49261 ug/L	0.529492	37.4630 ug/L	2.64746	7.07%
Tl 190.801†	-6.8	-8.03834 ug/L	0.104361	-40.1917 ug/L	0.52180	1.30%
V 292.395†	43.1	0.520394 ug/L	0.1636703	2.60197 ug/L	0.818352	31.45%
Zn 206.200†	31.1	0.466997 ug/L	0.4929156	2.33498 ug/L	2.464578	105.55%

Sequence No.: 21
Sample ID: 1000900-PS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 23
Date Collected: 2/10/2010 11:57:46 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000900-PS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	199674.5	199674.5	100.572	%			11:58:52
1	Al 396.153†	7096.6	6870.1	2067.35	ug/L	2067.35	ug/L	11:58:57
1	Ba 455.398†	79029.1	78572.2	252.382	ug/L	252.382	ug/L	11:58:52
1	Ca 315.887†	38058.5	37722.0	24.3497	mg/L	24.3497	mg/L	11:58:57
1	Fe 238.204†	3775.0	3726.5	1527.22	ug/L	1527.22	ug/L	11:58:57
1	K 766.490	9374.3	9286.2	12.3221	mg/L	12.3221	mg/L	11:58:57
1	Li 670.784†	8438.3	8323.5	227.660	ug/L	227.660	ug/L	11:58:57
1	Mg 279.071†	6366.0	6317.9	13.0451	mg/L	13.0451	mg/L	11:58:57
1	Na 589.592†	98348.9	97067.8	13.9594	mg/L	13.9594	mg/L	11:58:52
1	Sr 407.771†	211344.9	209897.1	251.952	ug/L	251.952	ug/L	11:58:52
1	Ti 334.940†	4252.7	4253.6	272.405	ug/L	272.405	ug/L	11:58:57
1	Y 360.076	264801.4	264801.4	97.5519	%			11:59:13
1	Ag 328.068†	14915.6	15182.8	229.186	ug/L	229.186	ug/L	11:59:13
1	As 188.979†	758.7	807.1	1150.29	ug/L	1150.29	ug/L	11:59:33
1	B 249.677†	5594.5	5389.4	280.695	ug/L	280.695	ug/L	11:59:33
1	Be 234.861†	4082.7	5058.4	22.9298	ug/L	22.9298	ug/L	11:59:33
1	Cd 214.437†	6494.7	6192.4	229.615	ug/L	229.615	ug/L	11:59:33
1	Ce 413.764†	839.1	-0.6	-0.0723351	ug/L	-0.0723351	ug/L	11:59:13
1	Co 228.616†	1420.2	1547.7	233.889	ug/L	233.889	ug/L	11:59:33
1	Cr 205.557†	2756.4	2858.4	235.839	ug/L	235.839	ug/L	11:59:33
1	Cu 327.397†	8359.3	8558.0	242.341	ug/L	242.341	ug/L	11:59:13
1	Mn 257.610†	44598.6	45267.5	304.689	ug/L	304.689	ug/L	11:59:13
1	Mo 202.031†	2178.7	2135.4	259.012	ug/L	259.012	ug/L	11:59:33
1	Ni 231.604†	3310.9	3025.2	236.148	ug/L	236.148	ug/L	11:59:33
1	Pb 220.353†	440.9	418.2	241.762	ug/L	241.762	ug/L	11:59:33
1	Sb 217.584†	1643.1	1736.7	1247.22	ug/L	1247.22	ug/L	11:59:33
1	Se 196.026†	454.2	504.8	1085.10	ug/L	1085.10	ug/L	11:59:33
1	Si 251.611†	53808.5	55152.9	4748.10	ug/L	4748.10	ug/L	11:59:13
1	Sn 189.927†	2712.5	2772.8	1241.03	ug/L	1241.03	ug/L	11:59:33
1	Tl 190.801†	903.2	972.0	1173.57	ug/L	1173.57	ug/L	11:59:33
1	V 292.395†	10339.8	11882.7	243.221	ug/L	243.221	ug/L	11:59:33
1	Zn 206.200†	2308.9	2435.0	244.513	ug/L	244.513	ug/L	11:59:33
2	Sc 357.234	196867.7	196867.7	99.1587	%			11:59:02
2	Al 396.153†	7175.6	7050.3	2122.06	ug/L	2122.06	ug/L	11:59:07
2	Ba 455.398†	78136.9	78792.8	253.087	ug/L	253.087	ug/L	11:59:02
2	Ca 315.887†	38441.9	38648.2	24.9478	mg/L	24.9478	mg/L	11:59:07
2	Fe 238.204†	3810.5	3815.8	1563.88	ug/L	1563.88	ug/L	11:59:07
2	K 766.490	9438.9	9350.8	12.4079	mg/L	12.4079	mg/L	11:59:07
2	Li 670.784†	8460.2	8465.1	231.531	ug/L	231.531	ug/L	11:59:07
2	Mg 279.071†	6420.2	6462.8	13.3444	mg/L	13.3444	mg/L	11:59:07
2	Na 589.592†	97365.4	97470.1	14.0172	mg/L	14.0172	mg/L	11:59:02
2	Sr 407.771†	208755.5	210281.7	252.411	ug/L	252.411	ug/L	11:59:02
2	Ti 334.940†	4280.9	4342.3	278.047	ug/L	278.047	ug/L	11:59:07
2	Y 360.076	267170.1	267170.1	98.4245	%			11:59:39
2	Ag 328.068†	14965.9	15098.4	227.932	ug/L	227.932	ug/L	11:59:39
2	As 188.979†	756.8	798.2	1137.55	ug/L	1137.55	ug/L	11:59:59
2	B 249.677†	5581.9	5325.8	277.316	ug/L	277.316	ug/L	11:59:59
2	Be 234.861†	4062.9	5001.2	22.6496	ug/L	22.6496	ug/L	11:59:59
2	Cd 214.437†	6490.2	6128.8	227.215	ug/L	227.215	ug/L	11:59:59
2	Ce 413.764†	930.4	84.6	2.19654	ug/L	2.19654	ug/L	11:59:39
2	Co 228.616†	1412.0	1526.5	230.622	ug/L	230.622	ug/L	11:59:59
2	Cr 205.557†	2757.3	2834.3	233.834	ug/L	233.834	ug/L	11:59:59
2	Cu 327.397†	8444.9	8569.0	242.656	ug/L	242.656	ug/L	11:59:39

2	Mn 257.610†	45006.0	45276.1	304.748 ug/L	304.748 ug/L	11:59:39
2	Mo 202.031†	2174.8	2111.7	256.117 ug/L	256.117 ug/L	11:59:59
2	Ni 231.604†	3313.4	2997.7	233.974 ug/L	233.974 ug/L	11:59:59
2	Pb 220.353†	442.3	415.6	240.265 ug/L	240.265 ug/L	11:59:59
2	Sb 217.584†	1633.5	1711.9	1229.54 ug/L	1229.54 ug/L	11:59:59
2	Se 196.026†	440.2	486.4	1045.88 ug/L	1045.88 ug/L	11:59:59
2	Si 251.611†	54292.1	55155.2	4748.16 ug/L	4748.16 ug/L	11:59:39
2	Sn 189.927†	2720.1	2755.9	1233.57 ug/L	1233.57 ug/L	11:59:59
2	Tl 190.801†	901.5	962.1	1161.73 ug/L	1161.73 ug/L	11:59:59
2	V 292.395†	10288.5	11736.6	240.214 ug/L	240.214 ug/L	11:59:59
2	Zn 206.200†	2286.0	2390.8	240.002 ug/L	240.002 ug/L	11:59:59

Mean Data: 1000900-PS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	198271.1	99.8655	%	0.99964				1.00%
Y 360.076	265985.8	97.9882	%	0.61704				0.63%
Ag 328.068†	15140.6	228.559	ug/L	0.8865	228.559	ug/L	0.8865	0.39%
Al 396.153†	6960.2	2094.70	ug/L	38.687	2094.70	ug/L	38.687	1.85%
As 188.979†	802.6	1143.92	ug/L	9.005	1143.92	ug/L	9.005	0.79%
B 249.677†	5357.6	279.006	ug/L	2.3893	279.006	ug/L	2.3893	0.86%
Ba 455.398†	78682.5	252.735	ug/L	0.4988	252.735	ug/L	0.4988	0.20%
Be 234.861†	5029.8	22.7897	ug/L	0.19816	22.7897	ug/L	0.19816	0.87%
Ca 315.887†	38185.1	24.6488	mg/L	0.42293	24.6488	mg/L	0.42293	1.72%
Cd 214.437†	6160.6	228.415	ug/L	1.6971	228.415	ug/L	1.6971	0.74%
Ce 413.764†	42.0	1.06210	ug/L	1.604340	1.06210	ug/L	1.604340	151.05%
Co 228.616†	1537.1	232.256	ug/L	2.3103	232.256	ug/L	2.3103	0.99%
Cr 205.557†	2846.3	234.837	ug/L	1.4175	234.837	ug/L	1.4175	0.60%
Cu 327.397†	8563.5	242.498	ug/L	0.2225	242.498	ug/L	0.2225	0.09%
Fe 238.204†	3771.2	1545.55	ug/L	25.924	1545.55	ug/L	25.924	1.68%
K 766.490	9318.5	12.3650	mg/L	0.06067	12.3650	mg/L	0.06067	0.49%
Li 670.784†	8394.3	229.595	ug/L	2.7373	229.595	ug/L	2.7373	1.19%
Mg 279.071†	6390.4	13.1948	mg/L	0.21167	13.1948	mg/L	0.21167	1.60%
Mn 257.610†	45271.8	304.718	ug/L	0.0419	304.718	ug/L	0.0419	0.01%
Mo 202.031†	2123.6	257.564	ug/L	2.0467	257.564	ug/L	2.0467	0.79%
Na 589.592†	97268.9	13.9883	mg/L	0.04088	13.9883	mg/L	0.04088	0.29%
Ni 231.604†	3011.4	235.061	ug/L	1.5374	235.061	ug/L	1.5374	0.65%
Pb 220.353†	416.9	241.013	ug/L	1.0585	241.013	ug/L	1.0585	0.44%
Sb 217.584†	1724.3	1238.38	ug/L	12.499	1238.38	ug/L	12.499	1.01%
Se 196.026†	495.6	1065.49	ug/L	27.736	1065.49	ug/L	27.736	2.60%
Si 251.611†	55154.1	4748.13	ug/L	0.044	4748.13	ug/L	0.044	0.00%
Sn 189.927†	2764.4	1237.30	ug/L	5.275	1237.30	ug/L	5.275	0.43%
Sr 407.771†	210089.4	252.181	ug/L	0.3252	252.181	ug/L	0.3252	0.13%
Ti 334.940†	4297.9	275.226	ug/L	3.9894	275.226	ug/L	3.9894	1.45%
Tl 190.801†	1167.6	1167.65	ug/L	8.371	1167.65	ug/L	8.371	0.72%
V 292.395†	11809.7	241.717	ug/L	2.1263	241.717	ug/L	2.1263	0.88%
Zn 206.200†	2412.9	242.257	ug/L	3.1901	242.257	ug/L	3.1901	1.32%

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Sequence No.: 22
Sample ID: 1002004-02
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 24
Date Collected: 2/10/2010 12:01:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002004-02

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	196481.6	196481.6	98.9642	%			12:02:19
1	Al 396.153†	7872.1	7768.4	2338.58	ug/L	2338.58	ug/L	12:02:19
1	Ba 455.398†	9478.6	9570.7	31.7087	ug/L	31.7087	ug/L	12:02:19
1	Ca 315.887†	2160.3	2063.0	1.32136	mg/L	1.32136	mg/L	12:02:39
1	Fe 238.204†	7332.0	7381.8	3028.88	ug/L	3028.88	ug/L	12:02:39
1	K 766.490	445.0	356.9	0.460101	mg/L	0.460101	mg/L	12:02:39
1	Li 670.784†	97.5	31.7	1.09082	ug/L	1.09082	ug/L	12:02:39
1	Mg 279.071†	328.2	319.8	0.651262	mg/L	0.651262	mg/L	12:02:39
1	Na 589.592†	64124.9	64074.7	9.21882	mg/L	9.21882	mg/L	12:02:19
1	Sr 407.771†	3480.1	3271.4	4.85567	ug/L	4.85567	ug/L	12:02:19
1	Ti 334.940†	907.4	942.0	61.7859	ug/L	61.7859	ug/L	12:02:39

1	Y 360.076	268175.0	268175.0	98.7947 %		12:03:10
1	Ag 328.068†	79.3	-26.8	-0.632322 ug/L	-0.632322 ug/L	12:03:30
1	As 188.979†	-22.6	6.4	2.92200 ug/L	2.92200 ug/L	12:03:30
1	B 249.677†	11034.4	10823.6	570.870 ug/L	570.870 ug/L	12:03:10
1	Be 234.861†	-690.6	174.3	-0.429011 ug/L	-0.429011 ug/L	12:03:10
1	Cd 214.437†	508.5	49.4	-1.51711 ug/L	-1.51711 ug/L	12:03:30
1	Ce 413.764†	1028.7	180.4	4.79032 ug/L	4.79032 ug/L	12:03:10
1	Co 228.616†	-96.1	-5.4	-3.40572 ug/L	-3.40572 ug/L	12:03:30
1	Cr 205.557†	-1.3	31.5	0.637720 ug/L	0.637720 ug/L	12:03:30
1	Cu 327.397†	197.7	189.1	4.13812 ug/L	4.13812 ug/L	12:03:10
1	Mn 257.610†	33771.0	33732.7	226.520 ug/L	226.520 ug/L	12:03:10
1	Mo 202.031†	113.1	16.5	1.19907 ug/L	1.19907 ug/L	12:03:30
1	Ni 231.604†	435.7	72.2	2.42187 ug/L	2.42187 ug/L	12:03:30
1	Pb 220.353†	55.0	21.9	9.65568 ug/L	9.65568 ug/L	12:03:30
1	Sb 217.584†	-64.7	-13.1	-5.20113 ug/L	-5.20113 ug/L	12:03:30
1	Se 196.026†	-54.9	-16.4	-26.5304 ug/L	-26.5304 ug/L	12:03:30
1	Si 251.611†	45613.9	46164.4	3976.56 ug/L	3976.56 ug/L	12:03:10
1	Sn 189.927†	2.1	-5.6	-8.78640 ug/L	-8.78640 ug/L	12:03:30
1	Tl 190.801†	-66.6	-21.3	-24.9857 ug/L	-24.9857 ug/L	12:03:30
1	V 292.395†	-1059.7	210.8	3.39823 ug/L	3.39823 ug/L	12:03:30
1	Zn 206.200†	139.7	209.5	18.3907 ug/L	18.3907 ug/L	12:03:30
2	Sc 357.234	197698.7	197698.7	99.5772 %		12:02:44
2	Al 396.153†	8031.5	7879.5	2372.16 ug/L	2372.16 ug/L	12:02:44
2	Ba 455.398†	9622.9	9656.7	31.9837 ug/L	31.9837 ug/L	12:02:44
2	Ca 315.887†	2175.8	2065.2	1.32274 mg/L	1.32274 mg/L	12:03:04
2	Fe 238.204†	7382.1	7386.5	3030.80 ug/L	3030.80 ug/L	12:03:04
2	K 766.490	457.3	369.2	0.476371 mg/L	0.476371 mg/L	12:03:04
2	Li 670.784†	93.2	26.8	0.956590 ug/L	0.956590 ug/L	12:03:04
2	Mg 279.071†	325.6	315.1	0.641657 mg/L	0.641657 mg/L	12:03:04
2	Na 589.592†	65197.9	64753.3	9.31633 mg/L	9.31633 mg/L	12:02:44
2	Sr 407.771†	3503.2	3273.0	4.85755 ug/L	4.85755 ug/L	12:02:44
2	Ti 334.940†	923.4	952.4	62.4435 ug/L	62.4435 ug/L	12:03:04
2	Y 360.076	264760.4	264760.4	97.5368 %		12:03:35
2	Ag 328.068†	74.3	-30.9	-0.700958 ug/L	-0.700958 ug/L	12:03:55
2	As 188.979†	-23.1	5.7	1.79159 ug/L	1.79159 ug/L	12:03:55
2	B 249.677†	10949.6	10880.7	573.907 ug/L	573.907 ug/L	12:03:35
2	Be 234.861†	-732.8	122.0	-0.674571 ug/L	-0.674571 ug/L	12:03:35
2	Cd 214.437†	514.4	62.1	-1.04238 ug/L	-1.04238 ug/L	12:03:55
2	Ce 413.764†	964.4	127.9	3.38968 ug/L	3.38968 ug/L	12:03:35
2	Co 228.616†	-90.5	-0.9	-2.72547 ug/L	-2.72547 ug/L	12:03:55
2	Cr 205.557†	-1.3	31.5	0.640790 ug/L	0.640790 ug/L	12:03:55
2	Cu 327.397†	186.2	179.9	3.87622 ug/L	3.87622 ug/L	12:03:35
2	Mn 257.610†	33408.9	33802.3	226.992 ug/L	226.992 ug/L	12:03:35
2	Mo 202.031†	119.3	24.4	2.15320 ug/L	2.15320 ug/L	12:03:55
2	Ni 231.604†	443.9	86.3	3.53797 ug/L	3.53797 ug/L	12:03:55
2	Pb 220.353†	52.8	20.4	8.78563 ug/L	8.78563 ug/L	12:03:55
2	Sb 217.584†	-63.5	-12.8	-4.93447 ug/L	-4.93447 ug/L	12:03:55
2	Se 196.026†	-53.1	-15.3	-23.9791 ug/L	-23.9791 ug/L	12:03:55
2	Si 251.611†	45231.3	46367.6	3994.12 ug/L	3994.12 ug/L	12:03:35
2	Sn 189.927†	6.5	-1.0	-6.75590 ug/L	-6.75590 ug/L	12:03:55
2	Tl 190.801†	-59.9	-15.3	-17.7322 ug/L	-17.7322 ug/L	12:03:55
2	V 292.395†	-1056.0	200.8	3.20357 ug/L	3.20357 ug/L	12:03:55
2	Zn 206.200†	133.7	205.2	17.9514 ug/L	17.9514 ug/L	12:03:55

Mean Data: 1002004-02

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	197090.1	99.2707	%	0.43347				0.44%
Y 360.076	266467.7	98.1658	%	0.88949				0.91%
Ag 328.068†	-28.8	-0.666640	ug/L	0.0485326	-0.666640	ug/L	0.0485326	7.28%
Al 396.153†	7823.9	2355.37	ug/L	23.749	2355.37	ug/L	23.749	1.01%
As 188.979†	6.0	2.35680	ug/L	0.799321	2.35680	ug/L	0.799321	33.92%
B 249.677†	10852.2	572.388	ug/L	2.1469	572.388	ug/L	2.1469	0.38%
Ba 455.398†	9613.7	31.8462	ug/L	0.19444	31.8462	ug/L	0.19444	0.61%
Be 234.861†	148.1	-0.551791	ug/L	0.1736370	-0.551791	ug/L	0.1736370	31.47%
Ca 315.887†	2064.1	1.32205	mg/L	0.000977	1.32205	mg/L	0.000977	0.07%
Cd 214.437†	55.8	-1.27975	ug/L	0.335682	-1.27975	ug/L	0.335682	26.23%
Ce 413.764†	154.2	4.09000	ug/L	0.990402	4.09000	ug/L	0.990402	24.22%
Co 228.616†	-3.2	-3.06559	ug/L	0.481007	-3.06559	ug/L	0.481007	15.69%
Cr 205.557†	31.5	0.639255	ug/L	0.0021706	0.639255	ug/L	0.0021706	0.34%

Cu 327.397†	184.5	4.00717 ug/L	0.185190	4.00717 ug/L	0.185190	4.62%
Fe 238.204†	7384.1	3029.84 ug/L	1.353	3029.84 ug/L	1.353	0.04%
K 766.490	363.1	0.468236 mg/L	0.0115049	0.468236 mg/L	0.0115049	2.46%
Li 670.784†	29.3	1.02371 ug/L	0.094918	1.02371 ug/L	0.094918	9.27%
Mg 279.071†	317.5	0.646460 mg/L	0.0067916	0.646460 mg/L	0.0067916	1.05%
Mn 257.610†	33767.5	226.756 ug/L	0.3336	226.756 ug/L	0.3336	0.15%
Mo 202.031†	20.4	1.67613 ug/L	0.674671	1.67613 ug/L	0.674671	40.25%
Na 589.592†	64414.0	9.26758 mg/L	0.068947	9.26758 mg/L	0.068947	0.74%
Ni 231.604†	79.2	2.97992 ug/L	0.789200	2.97992 ug/L	0.789200	26.48%
Pb 220.353†	21.1	9.22066 ug/L	0.615221	9.22066 ug/L	0.615221	6.67%
Sb 217.584†	-13.0	-5.06780 ug/L	0.188556	-5.06780 ug/L	0.188556	3.72%
Se 196.026†	-15.8	-25.2547 ug/L	1.80404	-25.2547 ug/L	1.80404	7.14%
Si 251.611†	46266.0	3985.34 ug/L	12.417	3985.34 ug/L	12.417	0.31%
Sn 189.927†	-3.3	-7.77115 ug/L	1.435782	-7.77115 ug/L	1.435782	18.48%
Sr 407.771†	3272.2	4.85661 ug/L	0.001334	4.85661 ug/L	0.001334	0.03%
Ti 334.940†	947.2	62.1147 ug/L	0.46505	62.1147 ug/L	0.46505	0.75%
Tl 190.801†	-18.3	-21.3589 ug/L	5.12904	-21.3589 ug/L	5.12904	24.01%
V 292.395†	205.8	3.30090 ug/L	0.137645	3.30090 ug/L	0.137645	4.17%
Zn 206.200†	207.3	18.1711 ug/L	0.31066	18.1711 ug/L	0.31066	1.71%

Sequence No.: 23
Sample ID: 1002004-03
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 25
Data Collected: 2/10/2010 12:05:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002004-03

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	199369.2	199369.2	100.419	%			12:06:18
1	Al 396.153†	690.9	501.9	145.964	ug/L	145.964	ug/L	12:06:38
1	Ba 455.398†	15826.0	15753.0	51.4802	ug/L	51.4802	ug/L	12:06:18
1	Ca 315.887†	37357.9	37082.4	23.9366	mg/L	23.9366	mg/L	12:06:18
1	Fe 238.204†	569.3	539.9	219.609	ug/L	219.609	ug/L	12:06:38
1	K 766.490	5117.2	5029.1	6.66682	mg/L	6.66682	mg/L	12:06:18
1	Li 670.784†	106.8	39.5	1.30467	ug/L	1.30467	ug/L	12:06:18
1	Mg 279.071†	1124.9	1108.4	2.28084	mg/L	2.28084	mg/L	12:06:38
1	Na 589.592†	44776.0	43868.0	6.31542	mg/L	6.31542	mg/L	12:06:18
1	Sr 407.771†	36582.3	36184.7	44.2154	ug/L	44.2154	ug/L	12:06:18
1	Ti 334.940†	23.8	48.8	4.97464	ug/L	4.97464	ug/L	12:06:38
1	Y 360.076	267744.7	267744.7	98.6362	%			12:07:09
1	Ag 328.068†	79.0	-26.9	-0.769211	ug/L	-0.769211	ug/L	12:07:30
1	As 188.979†	-32.8	-3.9	-11.4799	ug/L	-11.4799	ug/L	12:07:30
1	B 249.677†	4930.9	4653.6	242.053	ug/L	242.053	ug/L	12:07:09
1	Be 234.861†	-885.3	-24.3	-0.398238	ug/L	-0.398238	ug/L	12:07:30
1	Cd 214.437†	494.5	36.0	-1.35838	ug/L	-1.35838	ug/L	12:07:30
1	Ce 413.764†	829.0	-20.3	-0.544231	ug/L	-0.544231	ug/L	12:07:09
1	Co 228.616†	-103.0	-12.6	-4.27958	ug/L	-4.27958	ug/L	12:07:30
1	Cr 205.557†	-23.5	9.0	-1.40518	ug/L	-1.40518	ug/L	12:07:30
1	Cu 327.397†	99.6	89.9	1.28079	ug/L	1.28079	ug/L	12:07:09
1	Mn 257.610†	1037.8	601.8	1.73274	ug/L	1.73274	ug/L	12:07:30
1	Mo 202.031†	190.4	95.1	10.7577	ug/L	10.7577	ug/L	12:07:30
1	Ni 231.604†	392.4	29.1	-0.969155	ug/L	-0.969155	ug/L	12:07:30
1	Pb 220.353†	47.4	14.3	5.17998	ug/L	5.17998	ug/L	12:07:30
1	Sb 217.584†	-49.2	2.5	-2.43619	ug/L	-2.43619	ug/L	12:07:30
1	Se 196.026†	-56.4	-18.0	-33.2000	ug/L	-33.2000	ug/L	12:07:30
1	Si 251.611†	30212.5	30624.3	2633.21	ug/L	2633.21	ug/L	12:07:09
1	Sn 189.927†	-36.3	-44.5	-21.3172	ug/L	-21.3172	ug/L	12:07:30
1	Tl 190.801†	-56.1	-10.7	-12.7445	ug/L	-12.7445	ug/L	12:07:30
1	V 292.395†	-1222.9	43.6	0.656309	ug/L	0.656309	ug/L	12:07:30
1	Zn 206.200†	-26.7	41.0	1.44216	ug/L	1.44216	ug/L	12:07:30
2	Sc 357.234	199366.1	199366.1	100.417	%			12:06:43
2	Al 396.153†	699.7	510.6	148.601	ug/L	148.601	ug/L	12:07:03
2	Ba 455.398†	15979.9	15906.5	51.9709	ug/L	51.9709	ug/L	12:06:43
2	Ca 315.887†	37421.8	37146.5	23.9780	mg/L	23.9780	mg/L	12:06:43
2	Fe 238.204†	569.3	540.0	219.621	ug/L	219.621	ug/L	12:07:03
2	K 766.490	5106.7	5018.6	6.65287	mg/L	6.65287	mg/L	12:06:43
2	Li 670.784†	21.3	-45.6	-1.02270	ug/L	-1.02270	ug/L	12:06:43
2	Mg 279.071†	1119.7	1103.3	2.27012	mg/L	2.27012	mg/L	12:07:03

2	Na 589.592†	45061.2	44152.7	6.35633 mg/L	6.35633 mg/L	12:06:43
2	Sr 407.771†	36845.0	36447.0	44.5290 ug/L	44.5290 ug/L	12:06:43
2	Ti 334.940†	23.6	48.6	4.96353 ug/L	4.96353 ug/L	12:07:03
2	Y 360.076	269319.4	269319.4	99.2163 %		12:07:35
2	Ag 328.068†	78.4	-28.0	-0.787386 ug/L	-0.787386 ug/L	12:07:55
2	As 188.979†	-35.2	-6.2	-14.7619 ug/L	-14.7619 ug/L	12:07:55
2	B 249.677†	4976.1	4669.9	242.915 ug/L	242.915 ug/L	12:07:35
2	Be 234.861†	-887.6	-21.3	-0.384428 ug/L	-0.384428 ug/L	12:07:55
2	Cd 214.437†	493.7	32.3	-1.49820 ug/L	-1.49820 ug/L	12:07:55
2	Ce 413.764†	820.7	-33.6	-0.898520 ug/L	-0.898520 ug/L	12:07:35
2	Co 228.616†	-91.3	-0.1	-2.37621 ug/L	-2.37621 ug/L	12:07:55
2	Cr 205.557†	-21.5	11.2	-1.22320 ug/L	-1.22320 ug/L	12:07:55
2	Cu 327.397†	103.3	93.1	1.37167 ug/L	1.37167 ug/L	12:07:35
2	Mn 257.610†	1006.3	563.9	1.47562 ug/L	1.47562 ug/L	12:07:55
2	Mo 202.031†	190.4	94.0	10.6245 ug/L	10.6245 ug/L	12:07:55
2	Ni 231.604†	393.2	27.5	-1.09488 ug/L	-1.09488 ug/L	12:07:55
2	Pb 220.353†	42.3	8.9	2.00049 ug/L	2.00049 ug/L	12:07:55
2	Sb 217.584†	-52.1	-0.2	-4.34908 ug/L	-4.34908 ug/L	12:07:55
2	Se 196.026†	-51.0	-12.2	-20.7680 ug/L	-20.7680 ug/L	12:07:55
2	Si 251.611†	30457.8	30692.4	2639.10 ug/L	2639.10 ug/L	12:07:35
2	Sn 189.927†	-33.8	-41.8	-20.0889 ug/L	-20.0889 ug/L	12:07:55
2	Tl 190.801†	-54.7	-9.0	-10.7162 ug/L	-10.7162 ug/L	12:07:55
2	V 292.395†	-1243.6	30.0	0.378849 ug/L	0.378849 ug/L	12:07:55
2	Zn 206.200†	-29.0	38.9	1.22378 ug/L	1.22378 ug/L	12:07:55

Mean Data: 1002004-03

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	199367.6	100.418	%	0.0011				0.00%
Y 360.076	268532.1	98.9263	%	0.41022				0.41%
Ag 328.068†	-27.5	-0.778299	ug/L	0.0128511	-0.778299	ug/L	0.0128511	1.65%
Al 396.153†	506.3	147.283	ug/L	1.8651	147.283	ug/L	1.8651	1.27%
As 188.979†	-5.0	-13.1209	ug/L	2.32072	-13.1209	ug/L	2.32072	17.69%
B 249.677†	4661.8	242.484	ug/L	0.6094	242.484	ug/L	0.6094	0.25%
Ba 455.398†	15829.7	51.7256	ug/L	0.34702	51.7256	ug/L	0.34702	0.67%
Be 234.861†	-22.8	-0.391333	ug/L	0.0097655	-0.391333	ug/L	0.0097655	2.50%
Ca 315.887†	37114.4	23.9573	mg/L	0.02929	23.9573	mg/L	0.02929	0.12%
Cd 214.437†	34.2	-1.42829	ug/L	0.098871	-1.42829	ug/L	0.098871	6.92%
Ce 413.764†	-27.0	-0.721375	ug/L	0.2505206	-0.721375	ug/L	0.2505206	34.73%
Co 228.616†	-6.4	-3.32789	ug/L	1.345889	-3.32789	ug/L	1.345889	40.44%
Cr 205.557†	10.1	-1.31419	ug/L	0.128679	-1.31419	ug/L	0.128679	9.79%
Cu 327.397†	91.5	1.32623	ug/L	0.064261	1.32623	ug/L	0.064261	4.85%
Fe 238.204†	540.0	219.615	ug/L	0.0081	219.615	ug/L	0.0081	0.00%
K 766.490	5023.8	6.65984	mg/L	0.009865	6.65984	mg/L	0.009865	0.15%
Li 670.784†	-3.0	0.140982	ug/L	1.6457012	0.140982	ug/L	1.6457012	>999.9%
Mg 279.071†	1105.8	2.27548	mg/L	0.007580	2.27548	mg/L	0.007580	0.33%
Mn 257.610†	582.9	1.60418	ug/L	0.181814	1.60418	ug/L	0.181814	11.33%
Mo 202.031†	94.5	10.6911	ug/L	0.09419	10.6911	ug/L	0.09419	0.88%
Na 589.592†	44010.3	6.33588	mg/L	0.028922	6.33588	mg/L	0.028922	0.46%
Ni 231.604†	28.3	-1.03202	ug/L	0.088899	-1.03202	ug/L	0.088899	8.61%
Pb 220.353†	11.6	3.59024	ug/L	2.248240	3.59024	ug/L	2.248240	62.62%
Sb 217.584†	1.1	-3.39263	ug/L	1.352617	-3.39263	ug/L	1.352617	39.87%
Se 196.026†	-15.1	-26.9840	ug/L	8.79078	-26.9840	ug/L	8.79078	32.58%
Si 251.611†	30658.3	2636.15	ug/L	4.168	2636.15	ug/L	4.168	0.16%
Sn 189.927†	-43.2	-20.7030	ug/L	0.86852	-20.7030	ug/L	0.86852	4.20%
Sr 407.771†	36315.9	44.3722	ug/L	0.22172	44.3722	ug/L	0.22172	0.50%
Ti 334.940†	48.7	4.96908	ug/L	0.007852	4.96908	ug/L	0.007852	0.16%
Tl 190.801†	-9.8	-11.7304	ug/L	1.43421	-11.7304	ug/L	1.43421	12.23%
V 292.395†	36.8	0.517579	ug/L	0.1961939	0.517579	ug/L	0.1961939	37.91%
Zn 206.200†	40.0	1.33297	ug/L	0.154417	1.33297	ug/L	0.154417	11.58%

Sequence No.: 24
Sample ID: 1002004-04
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 26
Date Collected: 2/10/2010 12:09:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002004-04

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	197881.1	197881.1	99.6690	%			12:10:14
1	Al 396.153†	9663.0	9508.9	2864.84	ug/L	2864.84	ug/L	12:10:14
1	Ba 455.398†	8116.6	8136.5	27.1218	ug/L	27.1218	ug/L	12:10:14
1	Ca 315.887†	1261.1	1145.5	0.728807	mg/L	0.728807	mg/L	12:10:34
1	Fe 238.204†	5731.1	5723.2	2347.88	ug/L	2347.88	ug/L	12:10:34
1	K 766.490	340.5	252.4	0.321191	mg/L	0.321191	mg/L	12:10:14
1	Li 670.784†	116.8	50.4	1.60224	ug/L	1.60224	ug/L	12:10:14
1	Mg 279.071†	212.4	201.3	0.406349	mg/L	0.406349	mg/L	12:10:34
1	Na 589.592†	35735.1	35132.4	5.06025	mg/L	5.06025	mg/L	12:10:14
1	Sr 407.771†	1835.8	1596.9	2.85312	ug/L	2.85312	ug/L	12:10:14
1	Ti 334.940†	908.3	936.5	61.4312	ug/L	61.4312	ug/L	12:10:34
1	Y 360.076	267078.3	267078.3	98.3907	%			12:11:06
1	Ag 328.068†	83.5	-22.2	-0.660437	ug/L	-0.660437	ug/L	12:11:26
1	As 188.979†	-34.5	-5.7	-14.4780	ug/L	-14.4780	ug/L	12:11:26
1	B 249.677†	3092.7	2797.9	143.435	ug/L	143.435	ug/L	12:11:06
1	Be 234.861†	-734.4	126.9	-0.425499	ug/L	-0.425499	ug/L	12:11:06
1	Cd 214.437†	514.2	57.3	-1.13409	ug/L	-1.13409	ug/L	12:11:26
1	Ce 413.764†	1011.7	167.4	4.44323	ug/L	4.44323	ug/L	12:11:06
1	Co 228.616†	-94.4	-4.1	-3.17851	ug/L	-3.17851	ug/L	12:11:26
1	Cr 205.557†	-12.6	20.0	-0.358570	ug/L	-0.358570	ug/L	12:11:26
1	Cu 327.397†	91.5	82.0	1.09042	ug/L	1.09042	ug/L	12:11:06
1	Mn 257.610†	26847.9	26836.7	179.728	ug/L	179.728	ug/L	12:11:06
1	Mo 202.031†	115.7	19.7	1.58261	ug/L	1.58261	ug/L	12:11:26
1	Ni 231.604†	438.5	76.9	2.79177	ug/L	2.79177	ug/L	12:11:26
1	Pb 220.353†	44.3	11.3	3.46416	ug/L	3.46416	ug/L	12:11:26
1	Sb 217.584†	-69.3	-18.1	-10.8085	ug/L	-10.8085	ug/L	12:11:26
1	Se 196.026†	-55.3	-17.1	-28.6952	ug/L	-28.6952	ug/L	12:11:26
1	Si 251.611†	46669.5	47426.9	4085.59	ug/L	4085.59	ug/L	12:11:06
1	Sn 189.927†	5.2	-2.4	-7.49924	ug/L	-7.49924	ug/L	12:11:26
1	Tl 190.801†	-60.9	-15.7	-18.2516	ug/L	-18.2516	ug/L	12:11:26
1	V 292.395†	-1107.4	157.9	2.45244	ug/L	2.45244	ug/L	12:11:26
1	Zn 206.200†	105.9	175.8	14.9986	ug/L	14.9986	ug/L	12:11:26
2	Sc 357.234	197715.2	197715.2	99.5855	%			12:10:39
2	Al 396.153†	9717.1	9571.4	2883.74	ug/L	2883.74	ug/L	12:10:39
2	Ba 455.398†	8121.9	8148.6	27.1606	ug/L	27.1606	ug/L	12:10:39
2	Ca 315.887†	1256.3	1141.7	0.726390	mg/L	0.726390	mg/L	12:10:59
2	Fe 238.204†	5761.2	5758.2	2362.26	ug/L	2362.26	ug/L	12:10:59
2	K 766.490	357.0	268.9	0.343149	mg/L	0.343149	mg/L	12:10:39
2	Li 670.784†	113.8	47.5	1.52154	ug/L	1.52154	ug/L	12:10:39
2	Mg 279.071†	208.3	197.3	0.398268	mg/L	0.398268	mg/L	12:10:59
2	Na 589.592†	35884.6	35312.6	5.08614	mg/L	5.08614	mg/L	12:10:39
2	Sr 407.771†	1771.0	1533.3	2.77713	ug/L	2.77713	ug/L	12:10:39
2	Ti 334.940†	904.5	933.4	61.2341	ug/L	61.2341	ug/L	12:10:59
2	Y 360.076	271258.9	271258.9	99.9308	%			12:11:31
2	Ag 328.068†	79.3	-27.7	-0.754211	ug/L	-0.754211	ug/L	12:11:51
2	As 188.979†	-24.6	4.7	0.412437	ug/L	0.412437	ug/L	12:11:51
2	B 249.677†	3145.4	2802.2	143.664	ug/L	143.664	ug/L	12:11:31
2	Be 234.861†	-705.2	167.6	-0.239887	ug/L	-0.239887	ug/L	12:11:31
2	Cd 214.437†	505.5	40.5	-1.76703	ug/L	-1.76703	ug/L	12:11:51
2	Ce 413.764†	924.8	64.6	1.70191	ug/L	1.70191	ug/L	12:11:31
2	Co 228.616†	-95.2	-3.4	-3.07862	ug/L	-3.07862	ug/L	12:11:51
2	Cr 205.557†	-14.9	17.9	-0.529962	ug/L	-0.529962	ug/L	12:11:51
2	Cu 327.397†	86.8	75.8	0.914482	ug/L	0.914482	ug/L	12:11:31
2	Mn 257.610†	27238.1	26806.7	179.525	ug/L	179.525	ug/L	12:11:31
2	Mo 202.031†	109.8	12.0	0.644084	ug/L	0.644084	ug/L	12:11:51
2	Ni 231.604†	434.5	66.1	1.93602	ug/L	1.93602	ug/L	12:11:51
2	Pb 220.353†	46.8	13.1	4.51524	ug/L	4.51524	ug/L	12:11:51
2	Sb 217.584†	-68.4	-16.2	-9.37256	ug/L	-9.37256	ug/L	12:11:51
2	Se 196.026†	-52.7	-13.6	-21.2650	ug/L	-21.2650	ug/L	12:11:51
2	Si 251.611†	47119.1	47145.8	4061.28	ug/L	4061.28	ug/L	12:11:31
2	Sn 189.927†	6.3	-1.4	-7.04955	ug/L	-7.04955	ug/L	12:11:51
2	Tl 190.801†	-57.1	-11.0	-12.5566	ug/L	-12.5566	ug/L	12:11:51
2	V 292.395†	-1060.6	222.1	3.74388	ug/L	3.74388	ug/L	12:11:51
2	Zn 206.200†	104.0	172.2	14.6296	ug/L	14.6296	ug/L	12:11:51

Mean Data: 1002004-04

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD

Sc 357.234	197798.1	99.6273	%	0.05908				0.06%
Y 360.076	269168.6	99.1608	%	1.08902				1.10%
Ag 328.068†	-24.9	-0.707324	ug/L	0.0663083	-0.707324	ug/L	0.0663083	9.37%
Al 396.153†	9540.2	2874.29	ug/L	13.369	2874.29	ug/L	13.369	0.47%
As 188.979†	-0.5	-7.03276	ug/L	10.529094	-7.03276	ug/L	10.529094	149.72%
B 249.677†	2800.0	143.549	ug/L	0.1623	143.549	ug/L	0.1623	0.11%
Ba 455.398†	8142.5	27.1412	ug/L	0.02745	27.1412	ug/L	0.02745	0.10%
Be 234.861†	147.2	-0.332693	ug/L	0.1312474	-0.332693	ug/L	0.1312474	39.45%
Ca 315.887†	1143.6	0.727599	mg/L	0.0017092	0.727599	mg/L	0.0017092	0.23%
Cd 214.437†	48.9	-1.45056	ug/L	0.447555	-1.45056	ug/L	0.447555	30.85%
Ce 413.764†	116.0	3.07257	ug/L	1.938405	3.07257	ug/L	1.938405	63.09%
Co 228.616†	-3.7	-3.12857	ug/L	0.070630	-3.12857	ug/L	0.070630	2.26%
Cr 205.557†	19.0	-0.444266	ug/L	0.1211923	-0.444266	ug/L	0.1211923	27.28%
Cu 327.397†	78.9	1.00245	ug/L	0.124407	1.00245	ug/L	0.124407	12.41%
Fe 238.204†	5740.7	2355.07	ug/L	10.168	2355.07	ug/L	10.168	0.43%
K 766.490	260.6	0.332170	mg/L	0.0155271	0.332170	mg/L	0.0155271	4.67%
Li 670.784†	49.0	1.56189	ug/L	0.057066	1.56189	ug/L	0.057066	3.65%
Mg 279.071†	199.3	0.402308	mg/L	0.0057142	0.402308	mg/L	0.0057142	1.42%
Mn 257.610†	26821.7	179.627	ug/L	0.1436	179.627	ug/L	0.1436	0.08%
Mo 202.031†	15.8	1.11335	ug/L	0.663636	1.11335	ug/L	0.663636	59.61%
Na 589.592†	35222.5	5.07320	mg/L	0.018308	5.07320	mg/L	0.018308	0.36%
Ni 231.604†	71.5	2.36390	ug/L	0.605106	2.36390	ug/L	0.605106	25.60%
Pb 220.353†	12.2	3.98970	ug/L	0.743227	3.98970	ug/L	0.743227	18.63%
Sb 217.584†	-17.1	-10.0905	ug/L	1.01535	-10.0905	ug/L	1.01535	10.06%
Se 196.026†	-15.3	-24.9801	ug/L	5.25398	-24.9801	ug/L	5.25398	21.03%
Si 251.611†	47286.4	4073.44	ug/L	17.185	4073.44	ug/L	17.185	0.42%
Sn 189.927†	-1.9	-7.27439	ug/L	0.317975	-7.27439	ug/L	0.317975	4.37%
Sr 407.771†	1565.1	2.81512	ug/L	0.053739	2.81512	ug/L	0.053739	1.91%
Ti 334.940†	934.9	61.3326	ug/L	0.13937	61.3326	ug/L	0.13937	0.23%
Tl 190.801†	-13.4	-15.4041	ug/L	4.02697	-15.4041	ug/L	4.02697	26.14%
V 292.395†	190.0	3.09816	ug/L	0.913182	3.09816	ug/L	0.913182	29.47%
Zn 206.200†	174.0	14.8141	ug/L	0.26098	14.8141	ug/L	0.26098	1.76%

Sequence No.: 25
Sample ID: 0B10018-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 2/10/2010 12:13:07 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B10018-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	202069.5	202069.5	101.779	%			12:14:13
1	Al 396.153†	8669.4	8331.8	2500.47	ug/L	2500.47	ug/L	12:14:13
1	Ba 455.398†	159203.0	156413.8	501.327	ug/L	501.327	ug/L	12:14:13
1	Ca 315.887†	7958.9	7700.0	4.96169	mg/L	4.96169	mg/L	12:14:33
1	Fe 238.204†	1256.3	1207.3	493.099	ug/L	493.099	ug/L	12:14:33
1	K 766.490	3906.3	3818.2	5.05817	mg/L	5.05817	mg/L	12:14:33
1	Li 670.784†	18817.2	18421.5	503.585	ug/L	503.585	ug/L	12:14:13
1	Mg 279.071†	2474.0	2419.0	4.98880	mg/L	4.98880	mg/L	12:14:33
1	Na 589.592†	36167.8	34814.3	5.01455	mg/L	5.01455	mg/L	12:14:13
1	Sr 407.771†	425964.5	418275.4	501.143	ug/L	501.143	ug/L	12:14:13
1	Ti 334.940†	7854.1	7741.9	494.272	ug/L	494.272	ug/L	12:14:33
1	Y 360.076	272029.3	272029.3	100.215	%			12:15:04
1	Ag 328.068†	33876.6	33697.0	508.521	ug/L	508.521	ug/L	12:15:04
1	As 188.979†	1730.3	1756.0	2510.35	ug/L	2510.35	ug/L	12:15:25
1	B 249.677†	9870.2	9503.6	498.921	ug/L	498.921	ug/L	12:15:04
1	Be 234.861†	9946.3	10798.2	50.1305	ug/L	50.1305	ug/L	12:15:25
1	Cd 214.437†	13925.6	13430.5	501.759	ug/L	501.759	ug/L	12:15:25
1	Ce 413.764†	857.8	-4.8	-0.216839	ug/L	-0.216839	ug/L	12:15:04
1	Co 228.616†	3250.1	3335.0	506.986	ug/L	506.986	ug/L	12:15:25
1	Cr 205.557†	6071.9	6091.7	504.895	ug/L	504.895	ug/L	12:15:25
1	Cu 327.397†	18046.9	17997.2	510.994	ug/L	510.994	ug/L	12:15:04
1	Mn 257.610†	75838.6	75225.9	507.816	ug/L	507.816	ug/L	12:15:04
1	Mo 202.031†	4242.1	4135.1	502.306	ug/L	502.306	ug/L	12:15:25
1	Ni 231.604†	6815.3	6432.0	505.699	ug/L	505.699	ug/L	12:15:25
1	Pb 220.353†	903.8	868.1	505.256	ug/L	505.256	ug/L	12:15:25
1	Sb 217.584†	3473.4	3518.2	2523.91	ug/L	2523.91	ug/L	12:15:25
1	Se 196.026†	1135.5	1172.2	2509.54	ug/L	2509.54	ug/L	12:15:25

1	Si 251.611†	29565.2	29495.9	2522.87 ug/L	2522.87 ug/L	12:15:04
1	Sn 189.927†	5632.9	5613.1	2509.30 ug/L	2509.30 ug/L	12:15:25
1	Tl 190.801†	2058.2	2099.9	2534.45 ug/L	2534.45 ug/L	12:15:25
1	V 292.395†	23717.4	24950.0	511.121 ug/L	511.121 ug/L	12:15:04
1	Zn 206.200†	4943.6	5001.2	505.743 ug/L	505.743 ug/L	12:15:25
2	Sc 357.234	201493.1	201493.1	101.488 %		12:14:38
2	Al 396.153†	8659.4	8346.2	2504.83 ug/L	2504.83 ug/L	12:14:38
2	Ba 455.398†	159848.9	157497.6	504.793 ug/L	504.793 ug/L	12:14:38
2	Ca 315.887†	7984.7	7747.7	4.99252 mg/L	4.99252 mg/L	12:14:58
2	Fe 238.204†	1258.4	1213.0	495.423 ug/L	495.423 ug/L	12:14:58
2	K 766.490	3914.9	3826.8	5.06962 mg/L	5.06962 mg/L	12:14:58
2	Li 670.784†	18772.2	18430.1	503.820 ug/L	503.820 ug/L	12:14:38
2	Mg 279.071†	2488.7	2440.3	5.03291 mg/L	5.03291 mg/L	12:14:58
2	Na 589.592†	36181.7	34929.7	5.03113 mg/L	5.03113 mg/L	12:14:38
2	Sr 407.771†	427277.7	420766.6	504.122 ug/L	504.122 ug/L	12:14:38
2	Ti 334.940†	7874.8	7784.4	496.975 ug/L	496.975 ug/L	12:14:58
2	Y 360.076	270361.4	270361.4	99.6002 %		12:15:30
2	Ag 328.068†	33756.5	33785.0	509.845 ug/L	509.845 ug/L	12:15:30
2	As 188.979†	1726.7	1763.0	2520.41 ug/L	2520.41 ug/L	12:15:50
2	B 249.677†	9820.8	9514.8	499.527 ug/L	499.527 ug/L	12:15:30
2	Be 234.861†	9937.2	10850.4	50.3735 ug/L	50.3735 ug/L	12:15:50
2	Cd 214.437†	13890.1	13480.6	503.640 ug/L	503.640 ug/L	12:15:50
2	Ce 413.764†	810.7	-46.8	-1.33758 ug/L	-1.33758 ug/L	12:15:30
2	Co 228.616†	3210.1	3314.9	503.892 ug/L	503.892 ug/L	12:15:50
2	Cr 205.557†	6060.1	6117.2	507.017 ug/L	507.017 ug/L	12:15:50
2	Cu 327.397†	17950.9	18011.9	511.415 ug/L	511.415 ug/L	12:15:30
2	Mn 257.610†	75620.3	75473.5	509.496 ug/L	509.496 ug/L	12:15:30
2	Mo 202.031†	4226.7	4145.7	503.599 ug/L	503.599 ug/L	12:15:50
2	Ni 231.604†	6804.1	6462.6	508.133 ug/L	508.133 ug/L	12:15:50
2	Pb 220.353†	906.1	876.0	509.906 ug/L	509.906 ug/L	12:15:50
2	Sb 217.584†	3465.0	3531.2	2533.21 ug/L	2533.21 ug/L	12:15:50
2	Se 196.026†	1132.2	1175.9	2517.56 ug/L	2517.56 ug/L	12:15:50
2	Si 251.611†	29455.6	29567.9	2529.02 ug/L	2529.02 ug/L	12:15:30
2	Sn 189.927†	5632.8	5647.7	2524.82 ug/L	2524.82 ug/L	12:15:50
2	Tl 190.801†	2043.4	2097.7	2531.85 ug/L	2531.85 ug/L	12:15:50
2	V 292.395†	23533.7	24911.6	510.351 ug/L	510.351 ug/L	12:15:30
2	Zn 206.200†	4905.6	4993.4	504.950 ug/L	504.950 ug/L	12:15:50

Mean Data: 0B10018-CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	201781.3	101.633	%	0.2053				0.20%
Y 360.076	271195.3	99.9074	%	0.43447				0.43%
Ag 328.068†	33741.0	509.183	ug/L	0.9358	509.183	ug/L	0.9358	0.18%
QC value within limits for Ag 328.068 Recovery = 101.84%								
Al 396.153†	8339.0	2502.65	ug/L	3.083	2502.65	ug/L	3.083	0.12%
QC value within limits for Al 396.153 Recovery = 100.11%								
As 188.979†	1759.5	2515.38	ug/L	7.108	2515.38	ug/L	7.108	0.28%
QC value within limits for As 188.979 Recovery = 100.62%								
B 249.677†	9509.2	499.224	ug/L	0.4287	499.224	ug/L	0.4287	0.09%
QC value within limits for B 249.677 Recovery = 99.84%								
Ba 455.398†	156955.7	503.060	ug/L	2.4510	503.060	ug/L	2.4510	0.49%
QC value within limits for Ba 455.398 Recovery = 100.61%								
Be 234.861†	10824.3	50.2520	ug/L	0.17183	50.2520	ug/L	0.17183	0.34%
QC value within limits for Be 234.861 Recovery = 100.50%								
Ca 315.887†	7723.9	4.97710	mg/L	0.021801	4.97710	mg/L	0.021801	0.44%
QC value within limits for Ca 315.887 Recovery = 99.54%								
Cd 214.437†	13455.5	502.699	ug/L	1.3303	502.699	ug/L	1.3303	0.26%
QC value within limits for Cd 214.437 Recovery = 100.54%								
Ce 413.764†	-25.8	-0.777211	ug/L	0.7924857	-0.777211	ug/L	0.7924857	101.97%
Co 228.616†	3325.0	505.439	ug/L	2.1878	505.439	ug/L	2.1878	0.43%
QC value within limits for Co 228.616 Recovery = 101.09%								
Cr 205.557†	6104.5	505.956	ug/L	1.5000	505.956	ug/L	1.5000	0.30%
QC value within limits for Cr 205.557 Recovery = 101.19%								
Cu 327.397†	18004.5	511.205	ug/L	0.2979	511.205	ug/L	0.2979	0.06%
QC value within limits for Cu 327.397 Recovery = 102.24%								
Fe 238.204†	1210.2	494.261	ug/L	1.6432	494.261	ug/L	1.6432	0.33%
QC value within limits for Fe 238.204 Recovery = 98.85%								
K 766.490	3822.5	5.06390	mg/L	0.008093	5.06390	mg/L	0.008093	0.16%
QC value within limits for K 766.490 Recovery = 101.28%								

Li 670.784†	18425.8	503.703 ug/L	0.1662	503.703 ug/L	0.1662	0.03%
QC value within limits for Li 670.784 Recovery = 100.74%						
Mg 279.071†	2429.7	5.01086 mg/L	0.031192	5.01086 mg/L	0.031192	0.62%
QC value within limits for Mg 279.071 Recovery = 100.22%						
Mn 257.610†	75349.7	508.656 ug/L	1.1877	508.656 ug/L	1.1877	0.23%
QC value within limits for Mn 257.610 Recovery = 101.73%						
Mo 202.031†	4140.4	502.952 ug/L	0.9148	502.952 ug/L	0.9148	0.18%
QC value within limits for Mo 202.031 Recovery = 100.59%						
Na 589.592†	34872.0	5.02284 mg/L	0.011723	5.02284 mg/L	0.011723	0.23%
QC value within limits for Na 589.592 Recovery = 100.46%						
Ni 231.604†	6447.3	506.916 ug/L	1.7206	506.916 ug/L	1.7206	0.34%
QC value within limits for Ni 231.604 Recovery = 101.38%						
Pb 220.353†	872.0	507.581 ug/L	3.2878	507.581 ug/L	3.2878	0.65%
QC value within limits for Pb 220.353 Recovery = 101.52%						
Sb 217.584†	3524.7	2528.56 ug/L	6.574	2528.56 ug/L	6.574	0.26%
QC value within limits for Sb 217.584 Recovery = 101.14%						
Se 196.026†	1174.1	2513.55 ug/L	5.670	2513.55 ug/L	5.670	0.23%
QC value within limits for Se 196.026 Recovery = 100.54%						
Si 251.611†	29531.9	2525.95 ug/L	4.351	2525.95 ug/L	4.351	0.17%
QC value within limits for Si 251.611 Recovery = 101.04%						
Sn 189.927†	5630.4	2517.06 ug/L	10.979	2517.06 ug/L	10.979	0.44%
QC value within limits for Sn 189.927 Recovery = 100.68%						
Sr 407.771†	419521.0	502.633 ug/L	2.1066	502.633 ug/L	2.1066	0.42%
QC value within limits for Sr 407.771 Recovery = 100.53%						
Ti 334.940†	7763.2	495.623 ug/L	1.9111	495.623 ug/L	1.9111	0.39%
QC value within limits for Ti 334.940 Recovery = 99.12%						
Tl 190.801†	2098.8	2533.15 ug/L	1.841	2533.15 ug/L	1.841	0.07%
QC value within limits for Tl 190.801 Recovery = 101.33%						
V 292.395†	24930.8	510.736 ug/L	0.5442	510.736 ug/L	0.5442	0.11%
QC value within limits for V 292.395 Recovery = 102.15%						
Zn 206.200†	4997.3	505.346 ug/L	0.5612	505.346 ug/L	0.5612	0.11%
QC value within limits for Zn 206.200 Recovery = 101.07%						

All analyte(s) passed QC.

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Sequence No.: 26
Sample ID: 0B10018-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 2/10/2010 12:17:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B10018-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	202103.1	202103.1	101.796	%			12:18:11
1	Al 396.153†	214.7	24.8	-3.58640	ug/L	-3.58640	ug/L	12:18:11
1	Ba 455.398†	21.4	13.9	1.14514	ug/L	1.14514	ug/L	12:18:11
1	Ca 315.887†	120.0	-2.0	-0.0122040	mg/L	-0.0122040	mg/L	12:18:31
1	Fe 238.204†	38.8	11.1	2.61042	ug/L	2.61042	ug/L	12:18:31
1	K 766.490	63.6	-24.6	-0.0466856	mg/L	-0.0466856	mg/L	12:18:11
1	Li 670.784†	112.6	43.8	1.42164	ug/L	1.42164	ug/L	12:18:11
1	Mg 279.071†	20.7	8.5	0.0080060	mg/L	0.0080060	mg/L	12:18:31
1	Na 589.592†	660.0	-73.1	0.0017619	mg/L	0.0017619	mg/L	12:18:11
1	Sr 407.771†	126.9	-120.4	0.799477	ug/L	0.799477	ug/L	12:18:11
1	Ti 334.940†	-27.5	-1.9	1.74892	ug/L	1.74892	ug/L	12:18:31
1	Y 360.076	270917.2	270917.2	99.8049	%			12:19:02
1	Ag 328.068†	114.3	7.4	-0.548297	ug/L	-0.548297	ug/L	12:19:22
1	As 188.979†	-20.2	9.1	7.18454	ug/L	7.18454	ug/L	12:19:22
1	B 249.677†	446.5	101.9	-0.348711	ug/L	-0.348711	ug/L	12:19:22
1	Be 234.861†	-872.5	-1.0	-0.215127	ug/L	-0.215127	ug/L	12:19:22
1	Cd 214.437†	458.4	-6.0	-2.88575	ug/L	-2.88575	ug/L	12:19:22
1	Ce 413.764†	868.9	9.9	0.262182	ug/L	0.262182	ug/L	12:19:02
1	Co 228.616†	-90.8	0.9	-2.20582	ug/L	-2.20582	ug/L	12:19:22
1	Cr 205.557†	-36.7	-3.9	-2.49365	ug/L	-2.49365	ug/L	12:19:22
1	Cu 327.397†	31.0	20.0	-0.708904	ug/L	-0.708904	ug/L	12:19:02
1	Mn 257.610†	322.2	-127.5	-3.22153	ug/L	-3.22153	ug/L	12:19:22
1	Mo 202.031†	102.6	4.8	-0.223478	ug/L	-0.223478	ug/L	12:19:22
1	Ni 231.604†	377.2	9.1	-2.57183	ug/L	-2.57183	ug/L	12:19:22
1	Pb 220.353†	40.6	6.9	0.841194	ug/L	0.841194	ug/L	12:19:22
1	Sb 217.584†	-46.7	5.5	-0.887216	ug/L	-0.887216	ug/L	12:19:22

1	Se 196.026†	-48.9	-9.8	-15.9286 ug/L	-15.9286 ug/L	12:19:22
1	Si 251.611†	32.8	26.9	-13.2220 ug/L	-13.2220 ug/L	12:19:22
1	Sn 189.927†	5.1	-2.6	-7.75844 ug/L	-7.75844 ug/L	12:19:22
1	Tl 190.801†	-45.4	0.6	0.877325 ug/L	0.877325 ug/L	12:19:22
1	V 292.395†	-1263.4	17.6	0.0523842 ug/L	0.0523842 ug/L	12:19:22
1	Zn 206.200†	-66.8	1.2	-2.53779 ug/L	-2.53779 ug/L	12:19:22
2	Sc 357.234	201428.7	201428.7	101.456 %		12:18:36
2	Al 396.153†	170.2	-18.3	-16.6412 ug/L	-16.6412 ug/L	12:18:36
2	Ba 455.398†	6.6	-0.6	1.09874 ug/L	1.09874 ug/L	12:18:36
2	Ca 315.887†	126.6	4.9	-0.0077282 mg/L	-0.0077282 mg/L	12:18:56
2	Fe 238.204†	33.1	5.7	0.365641 ug/L	0.365641 ug/L	12:18:56
2	K 766.490	64.1	-24.0	-0.0459109 mg/L	-0.0459109 mg/L	12:18:36
2	Li 670.784†	47.5	-19.9	-0.320830 ug/L	-0.320830 ug/L	12:18:36
2	Mg 279.071†	24.3	12.2	0.0156520 mg/L	0.0156520 mg/L	12:18:56
2	Na 589.592†	633.5	-97.0	-0.0016683 mg/L	-0.0016683 mg/L	12:18:36
2	Sr 407.771†	183.8	-63.9	0.867031 ug/L	0.867031 ug/L	12:18:36
2	Ti 334.940†	-21.3	4.1	2.13424 ug/L	2.13424 ug/L	12:18:56
2	Y 360.076	269153.2	269153.2	99.1551 %		12:19:28
2	Ag 328.068†	118.5	12.5	-0.477195 ug/L	-0.477195 ug/L	12:19:48
2	As 188.979†	-31.0	-1.9	-8.63010 ug/L	-8.63010 ug/L	12:19:48
2	B 249.677†	450.4	108.8	0.0142753 ug/L	0.0142753 ug/L	12:19:48
2	Be 234.861†	-860.7	5.3	-0.185102 ug/L	-0.185102 ug/L	12:19:48
2	Cd 214.437†	464.1	2.7	-2.55712 ug/L	-2.55712 ug/L	12:19:48
2	Ce 413.764†	825.6	-28.1	-0.751285 ug/L	-0.751285 ug/L	12:19:28
2	Co 228.616†	-85.7	5.5	-1.49982 ug/L	-1.49982 ug/L	12:19:48
2	Cr 205.557†	-30.2	2.4	-1.96824 ug/L	-1.96824 ug/L	12:19:48
2	Cu 327.397†	-0.6	-11.7	-1.60967 ug/L	-1.60967 ug/L	12:19:28
2	Mn 257.610†	315.6	-132.0	-3.25200 ug/L	-3.25200 ug/L	12:19:48
2	Mo 202.031†	106.7	9.7	0.365981 ug/L	0.365981 ug/L	12:19:48
2	Ni 231.604†	360.6	-5.1	-3.69389 ug/L	-3.69389 ug/L	12:19:48
2	Pb 220.353†	37.8	4.4	-0.616456 ug/L	-0.616456 ug/L	12:19:48
2	Sb 217.584†	-48.5	3.4	-2.45650 ug/L	-2.45650 ug/L	12:19:48
2	Se 196.026†	-37.3	1.5	8.29225 ug/L	8.29225 ug/L	12:19:48
2	Si 251.611†	39.4	33.8	-12.6408 ug/L	-12.6408 ug/L	12:19:48
2	Sn 189.927†	9.8	2.2	-5.60931 ug/L	-5.60931 ug/L	12:19:48
2	Tl 190.801†	-50.7	-5.0	-5.91893 ug/L	-5.91893 ug/L	12:19:48
2	V 292.395†	-1276.3	-3.8	-0.375531 ug/L	-0.375531 ug/L	12:19:48
2	Zn 206.200†	-59.2	8.4	-1.80776 ug/L	-1.80776 ug/L	12:19:48

Mean Data: 0B10018-CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	201765.9	101.626	%	0.2402				0.24%
Y 360.076	270035.2	99.4800	%	0.45951				0.46%
Ag 328.068†	10.0	-0.512746	ug/L	0.0502767	-0.512746	ug/L	0.0502767	9.81%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	3.2	-10.1138	ug/L	9.23112	-10.1138	ug/L	9.23112	91.27%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	3.6	-0.722782	ug/L	11.1826404	-0.722782	ug/L	11.1826404	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	105.3	-0.167218	ug/L	0.2566699	-0.167218	ug/L	0.2566699	153.49%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	6.7	1.12194	ug/L	0.032812	1.12194	ug/L	0.032812	2.92%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	2.2	-0.200114	ug/L	0.0212309	-0.200114	ug/L	0.0212309	10.61%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	1.5	-0.0099661	mg/L	0.00316489	-0.0099661	mg/L	0.00316489	31.76%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	-1.6	-2.72144	ug/L	0.232375	-2.72144	ug/L	0.232375	8.54%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	-9.1	-0.244551	ug/L	0.7166294	-0.244551	ug/L	0.7166294	293.04%
Co 228.616†	3.2	-1.85282	ug/L	0.499214	-1.85282	ug/L	0.499214	26.94%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	-0.8	-2.23095	ug/L	0.371521	-2.23095	ug/L	0.371521	16.65%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	4.2	-1.15928	ug/L	0.636935	-1.15928	ug/L	0.636935	54.94%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	8.4	1.48803	ug/L	1.587301	1.48803	ug/L	1.587301	106.67%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	-24.3	-0.0462982	mg/L	0.00054785	-0.0462982	mg/L	0.00054785	1.18%

QC value within limits for K 766.490 Recovery = Not calculated

Li 670.784†		11.9	0.550405 ug/L	1.2321132	0.550405 ug/L	1.2321132	223.86%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†		10.3	0.0118290 mg/L	0.00540658	0.0118290 mg/L	0.00540658	45.71%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†		-129.8	-3.23677 ug/L	0.021551	-3.23677 ug/L	0.021551	0.67%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†		7.2	0.0712516 ug/L	0.41681047	0.0712516 ug/L	0.41681047	584.98%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†		-85.0	0.0000468 mg/L	0.00242548	0.0000468 mg/L	0.00242548	>999.9%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†		2.0	-3.13286 ug/L	0.793418	-3.13286 ug/L	0.793418	25.33%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†		5.6	0.112369 ug/L	1.0307141	0.112369 ug/L	1.0307141	917.26%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†		4.4	-1.67186 ug/L	1.109652	-1.67186 ug/L	1.109652	66.37%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†		-4.1	-3.81818 ug/L	17.126741	-3.81818 ug/L	17.126741	448.56%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†		30.4	-12.9314 ug/L	0.41096	-12.9314 ug/L	0.41096	3.18%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†		-0.2	-6.68387 ug/L	1.519668	-6.68387 ug/L	1.519668	22.74%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†		-92.2	0.833254 ug/L	0.0477678	0.833254 ug/L	0.0477678	5.73%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†		1.1	1.94158 ug/L	0.272465	1.94158 ug/L	0.272465	14.03%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†		-2.2	-2.52081 ug/L	4.805681	-2.52081 ug/L	4.805681	190.64%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†		6.9	-0.161574 ug/L	0.3025819	-0.161574 ug/L	0.3025819	187.27%
QC value within limits for V 292.395 Recovery = Not calculated								
Zn 206.200†		4.8	-2.17277 ug/L	0.516210	-2.17277 ug/L	0.516210	23.76%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 27
Sample ID: 1002004-05
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 27
Date Collected: 2/10/2010 12:21:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002004-05

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	196105.1	196105.1	98.7745	%			12:22:09
1	Al 396.153†	5871.0	5757.7	1731.35	ug/L	1731.35	ug/L	12:22:29
1	Ba 455.398†	5951.8	6018.5	20.3484	ug/L	20.3484	ug/L	12:22:09
1	Ca 315.887†	8253.9	8236.4	5.30811	mg/L	5.30811	mg/L	12:22:29
1	Fe 238.204†	2880.3	2889.0	1184.19	ug/L	1184.19	ug/L	12:22:29
1	K 766.490	321.6	233.5	0.296174	mg/L	0.296174	mg/L	12:22:29
1	Li 670.784†	74.3	8.5	0.455207	ug/L	0.455207	ug/L	12:22:29
1	Mg 279.071†	557.6	552.7	1.13245	mg/L	1.13245	mg/L	12:22:29
1	Na 589.592†	29822.4	29471.0	4.24679	mg/L	4.24679	mg/L	12:22:09
1	Sr 407.771†	33744.9	33918.6	41.5054	ug/L	41.5054	ug/L	12:22:09
1	Ti 334.940†	467.0	497.9	33.5394	ug/L	33.5394	ug/L	12:22:29
1	Y 360.076	267376.9	267376.9	98.5007	%			12:23:00
1	Ag 328.068†	56.7	-49.5	-1.18911	ug/L	-1.18911	ug/L	12:23:20
1	As 188.979†	-32.4	-3.6	-11.2503	ug/L	-11.2503	ug/L	12:23:20
1	B 249.677†	2543.6	2236.9	113.453	ug/L	113.453	ug/L	12:23:20
1	Be 234.861†	-842.3	18.1	-0.535113	ug/L	-0.535113	ug/L	12:23:20
1	Cd 214.437†	495.1	37.4	-1.59345	ug/L	-1.59345	ug/L	12:23:20
1	Ce 413.764†	881.6	34.3	0.902735	ug/L	0.902735	ug/L	12:23:00
1	Co 228.616†	-93.8	-3.3	-2.96219	ug/L	-2.96219	ug/L	12:23:20
1	Cr 205.557†	-15.3	17.3	-0.658359	ug/L	-0.658359	ug/L	12:23:20
1	Cu 327.397†	53.5	43.2	-0.0279021	ug/L	-0.0279021	ug/L	12:23:00
1	Mn 257.610†	8390.1	8067.5	52.3987	ug/L	52.3987	ug/L	12:23:00
1	Mo 202.031†	135.5	39.6	4.00644	ug/L	4.00644	ug/L	12:23:20
1	Ni 231.604†	426.1	63.8	1.76097	ug/L	1.76097	ug/L	12:23:20
1	Pb 220.353†	41.7	8.5	1.83128	ug/L	1.83128	ug/L	12:23:20

1	Sb 217.584†	-53.5	-2.1	-2.78433 ug/L	-2.78433 ug/L	12:23:20
1	Se 196.026†	-53.4	-15.1	-25.8299 ug/L	-25.8299 ug/L	12:23:20
1	Si 251.611†	38282.6	38859.3	3344.98 ug/L	3344.98 ug/L	12:23:00
1	Sn 189.927†	-7.0	-14.8	-12.0558 ug/L	-12.0558 ug/L	12:23:20
1	Tl 190.801†	-60.2	-15.0	-17.6286 ug/L	-17.6286 ug/L	12:23:20
1	V 292.395†	-1087.2	179.6	3.15115 ug/L	3.15115 ug/L	12:23:20
1	Zn 206.200†	20.3	88.8	6.22726 ug/L	6.22726 ug/L	12:23:20
2	Sc 357.234	197805.9	197805.9	99.6312 %		12:22:34
2	Al 396.153†	5923.1	5758.9	1731.72 ug/L	1731.72 ug/L	12:22:54
2	Ba 455.398†	6006.2	6021.3	20.3574 ug/L	20.3574 ug/L	12:22:34
2	Ca 315.887†	8329.6	8240.6	5.31079 mg/L	5.31079 mg/L	12:22:54
2	Fe 238.204†	2909.7	2893.5	1186.03 ug/L	1186.03 ug/L	12:22:54
2	K 766.490	333.5	245.4	0.311976 mg/L	0.311976 mg/L	12:22:54
2	Li 670.784†	97.2	30.7	1.06390 ug/L	1.06390 ug/L	12:22:54
2	Mg 279.071†	561.1	551.3	1.12973 mg/L	1.12973 mg/L	12:22:54
2	Na 589.592†	30158.4	29548.6	4.25795 mg/L	4.25795 mg/L	12:22:34
2	Sr 407.771†	34124.3	34005.6	41.6095 ug/L	41.6095 ug/L	12:22:34
2	Ti 334.940†	471.7	498.6	33.5805 ug/L	33.5805 ug/L	12:22:54
2	Y 360.076	266883.3	266883.3	98.3188 %		12:23:25
2	Ag 328.068†	79.6	-26.0	-0.830032 ug/L	-0.830032 ug/L	12:23:45
2	As 188.979†	-30.2	-1.4	-8.09953 ug/L	-8.09953 ug/L	12:23:45
2	B 249.677†	2549.9	2248.1	114.049 ug/L	114.049 ug/L	12:23:45
2	Be 234.861†	-812.2	47.2	-0.399703 ug/L	-0.399703 ug/L	12:23:45
2	Cd 214.437†	514.6	58.1	-0.815514 ug/L	-0.815514 ug/L	12:23:45
2	Ce 413.764†	917.7	72.6	1.92496 ug/L	1.92496 ug/L	12:23:25
2	Co 228.616†	-95.7	-5.5	-3.29516 ug/L	-3.29516 ug/L	12:23:45
2	Cr 205.557†	-21.8	10.7	-1.20789 ug/L	-1.20789 ug/L	12:23:45
2	Cu 327.397†	73.7	63.9	0.560358 ug/L	0.560358 ug/L	12:23:25
2	Mn 257.610†	8462.5	8156.9	53.0047 ug/L	53.0047 ug/L	12:23:25
2	Mo 202.031†	130.3	34.6	3.40419 ug/L	3.40419 ug/L	12:23:45
2	Ni 231.604†	430.4	69.0	2.17124 ug/L	2.17124 ug/L	12:23:45
2	Pb 220.353†	43.9	10.9	3.21816 ug/L	3.21816 ug/L	12:23:45
2	Sb 217.584†	-61.7	-10.5	-8.83642 ug/L	-8.83642 ug/L	12:23:45
2	Se 196.026†	-43.2	-4.8	-3.86995 ug/L	-3.86995 ug/L	12:23:45
2	Si 251.611†	38566.3	39219.8	3376.16 ug/L	3376.16 ug/L	12:23:25
2	Sn 189.927†	-2.1	-9.9	-9.84429 ug/L	-9.84429 ug/L	12:23:45
2	Tl 190.801†	-62.2	-17.1	-20.1679 ug/L	-20.1679 ug/L	12:23:45
2	V 292.395†	-1087.1	177.7	3.10477 ug/L	3.10477 ug/L	12:23:45
2	Zn 206.200†	23.1	91.6	6.51387 ug/L	6.51387 ug/L	12:23:45

Mean Data: 1002004-05

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	196955.5	99.2028	%	0.60575				0.61%
Y 360.076	267130.1	98.4098	%	0.12859				0.13%
Ag 328.068†	-37.8	-1.00957	ug/L	0.253910	-1.00957	ug/L	0.253910	25.15%
Al 396.153†	5758.3	1731.54	ug/L	0.261	1731.54	ug/L	0.261	0.02%
As 188.979†	-2.5	-9.67493	ug/L	2.227943	-9.67493	ug/L	2.227943	23.03%
B 249.677†	2242.5	113.751	ug/L	0.4213	113.751	ug/L	0.4213	0.37%
Ba 455.398†	6019.9	20.3529	ug/L	0.00639	20.3529	ug/L	0.00639	0.03%
Be 234.861†	32.7	-0.467408	ug/L	0.0957492	-0.467408	ug/L	0.0957492	20.49%
Ca 315.887†	8238.5	5.30945	mg/L	0.001898	5.30945	mg/L	0.001898	0.04%
Cd 214.437†	47.7	-1.20448	ug/L	0.550087	-1.20448	ug/L	0.550087	45.67%
Ce 413.764†	53.5	1.41385	ug/L	0.722826	1.41385	ug/L	0.722826	51.12%
Co 228.616†	-4.4	-3.12867	ug/L	0.235444	-3.12867	ug/L	0.235444	7.53%
Cr 205.557†	14.0	-0.933126	ug/L	0.3885788	-0.933126	ug/L	0.3885788	41.64%
Cu 327.397†	53.6	0.266228	ug/L	0.4159624	0.266228	ug/L	0.4159624	156.24%
Fe 238.204†	2891.3	1185.11	ug/L	1.297	1185.11	ug/L	1.297	0.11%
K 766.490	239.5	0.304075	mg/L	0.0111741	0.304075	mg/L	0.0111741	3.67%
Li 670.784†	19.6	0.759553	ug/L	0.4304101	0.759553	ug/L	0.4304101	56.67%
Mg 279.071†	552.0	1.13109	mg/L	0.001926	1.13109	mg/L	0.001926	0.17%
Mn 257.610†	8112.2	52.7017	ug/L	0.42856	52.7017	ug/L	0.42856	0.81%
Mo 202.031†	37.1	3.70531	ug/L	0.425857	3.70531	ug/L	0.425857	11.49%
Na 589.592†	29509.8	4.25237	mg/L	0.007889	4.25237	mg/L	0.007889	0.19%
Ni 231.604†	66.4	1.96611	ug/L	0.290105	1.96611	ug/L	0.290105	14.76%
Pb 220.353†	9.7	2.52472	ug/L	0.980672	2.52472	ug/L	0.980672	38.84%
Sb 217.584†	-6.3	-5.81037	ug/L	4.279475	-5.81037	ug/L	4.279475	73.65%
Se 196.026†	-10.0	-14.8499	ug/L	15.52804	-14.8499	ug/L	15.52804	104.57%
Si 251.611†	39039.5	3360.57	ug/L	22.044	3360.57	ug/L	22.044	0.66%
Sn 189.927†	-12.3	-10.9500	ug/L	1.56377	-10.9500	ug/L	1.56377	14.28%

Sr 407.771†	33962.1	41.5574 ug/L	0.07361	41.5574 ug/L	0.07361	0.18%
Ti 334.940†	498.2	33.5600 ug/L	0.02910	33.5600 ug/L	0.02910	0.09%
Tl 190.801†	-16.0	-18.8982 ug/L	1.79552	-18.8982 ug/L	1.79552	9.50%
V 292.395†	178.7	3.12796 ug/L	0.032798	3.12796 ug/L	0.032798	1.05%
Zn 206.200†	90.2	6.37056 ug/L	0.202663	6.37056 ug/L	0.202663	3.18%

Sequence No.: 28 **Autosampler Location: 28**
Sample ID: 1002004-06 **Date Collected: 2/10/2010 12:25:01 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1002004-06

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	198705.9	198705.9	100.084	%			12:26:06
1	Al 396.153†	38604.8	38386.1	11599.5	ug/L	11599.5	ug/L	12:26:06
1	Ba 455.398†	37470.5	37431.8	120.811	ug/L	120.811	ug/L	12:26:06
1	Ca 315.887†	10205.1	10076.7	6.49652	mg/L	6.49652	mg/L	12:26:26
1	Fe 238.204†	24439.0	24391.3	10012.6	ug/L	10012.6	ug/L	12:26:06
1	K 766.490	895.8	807.7	1.05897	mg/L	1.05897	mg/L	12:26:26
1	Li 670.784†	457.7	390.5	10.8942	ug/L	10.8942	ug/L	12:26:26
1	Mg 279.071†	1087.0	1074.3	2.21023	mg/L	2.21023	mg/L	12:26:26
1	Na 589.592†	52307.1	51541.6	7.41800	mg/L	7.41800	mg/L	12:26:06
1	Sr 407.771†	48136.1	47850.4	58.1660	ug/L	58.1660	ug/L	12:26:06
1	Ti 334.940†	3466.2	3488.3	223.735	ug/L	223.735	ug/L	12:26:26
1	Y 360.076	269737.2	269737.2	99.3702	%			12:26:57
1	Ag 328.068†	-16.8	-124.0	-1.06140	ug/L	-1.06140	ug/L	12:27:17
1	As 188.979†	-17.1	12.2	9.96478	ug/L	9.96478	ug/L	12:27:17
1	B 249.677†	11534.8	11262.5	594.918	ug/L	594.918	ug/L	12:26:57
1	Be 234.861†	-82.0	790.7	0.0431148	ug/L	0.0431148	ug/L	12:26:57
1	Cd 214.437†	566.3	104.6	-1.35214	ug/L	-1.35214	ug/L	12:27:17
1	Ce 413.764†	1544.7	693.7	18.4218	ug/L	18.4218	ug/L	12:26:57
1	Co 228.616†	-78.5	12.9	-1.21743	ug/L	-1.21743	ug/L	12:27:17
1	Cr 205.557†	106.0	139.5	10.0616	ug/L	10.0616	ug/L	12:27:17
1	Cu 327.397†	347.0	338.1	8.47884	ug/L	8.47884	ug/L	12:26:57
1	Mn 257.610†	133252.6	133646.8	904.364	ug/L	904.364	ug/L	12:26:57
1	Mo 202.031†	125.0	27.9	2.58050	ug/L	2.58050	ug/L	12:27:17
1	Ni 231.604†	510.2	144.7	8.15178	ug/L	8.15178	ug/L	12:27:17
1	Pb 220.353†	75.6	42.3	21.7167	ug/L	21.7167	ug/L	12:27:17
1	Sb 217.584†	-109.1	-57.5	-16.0423	ug/L	-16.0423	ug/L	12:27:17
1	Se 196.026†	-56.1	-17.3	-20.0284	ug/L	-20.0284	ug/L	12:27:17
1	Si 251.611†	138208.8	139078.8	12010.6	ug/L	12010.6	ug/L	12:26:57
1	Sn 189.927†	-5.2	-13.0	-10.9735	ug/L	-10.9735	ug/L	12:27:17
1	Tl 190.801†	-55.4	-9.6	-9.23955	ug/L	-9.23955	ug/L	12:27:17
1	V 292.395†	-379.7	901.3	16.0487	ug/L	16.0487	ug/L	12:27:17
1	Zn 206.200†	353.4	423.8	39.5112	ug/L	39.5112	ug/L	12:27:17
2	Sc 357.234	198187.9	198187.9	99.8236	%			12:26:31
2	Al 396.153†	39031.9	38914.7	11759.3	ug/L	11759.3	ug/L	12:26:31
2	Ba 455.398†	37862.1	37921.9	122.378	ug/L	122.378	ug/L	12:26:31
2	Ca 315.887†	10223.7	10121.9	6.52575	mg/L	6.52575	mg/L	12:26:51
2	Fe 238.204†	24683.1	24699.7	10139.3	ug/L	10139.3	ug/L	12:26:31
2	K 766.490	902.5	814.4	1.06781	mg/L	1.06781	mg/L	12:26:51
2	Li 670.784†	458.6	392.6	10.9514	ug/L	10.9514	ug/L	12:26:51
2	Mg 279.071†	1096.1	1086.2	2.23484	mg/L	2.23484	mg/L	12:26:51
2	Na 589.592†	52814.4	52186.4	7.51065	mg/L	7.51065	mg/L	12:26:31
2	Sr 407.771†	48388.5	48229.0	58.6187	ug/L	58.6187	ug/L	12:26:31
2	Ti 334.940†	3467.4	3498.6	224.390	ug/L	224.390	ug/L	12:26:51
2	Y 360.076	271542.1	271542.1	100.035	%			12:27:22
2	Ag 328.068†	6.4	-100.7	-0.685265	ug/L	-0.685265	ug/L	12:27:42
2	As 188.979†	-29.0	0.4	-7.00903	ug/L	-7.00903	ug/L	12:27:42
2	B 249.677†	11601.0	11251.5	594.345	ug/L	594.345	ug/L	12:27:22
2	Be 234.861†	-95.4	777.9	-0.0606907	ug/L	-0.0606907	ug/L	12:27:22
2	Cd 214.437†	566.4	100.9	-1.52574	ug/L	-1.52574	ug/L	12:27:42
2	Ce 413.764†	1613.2	751.9	19.9734	ug/L	19.9734	ug/L	12:27:22
2	Co 228.616†	-75.0	16.8	-0.615225	ug/L	-0.615225	ug/L	12:27:42
2	Cr 205.557†	100.8	133.6	9.57703	ug/L	9.57703	ug/L	12:27:42
2	Cu 327.397†	345.2	334.0	8.36346	ug/L	8.36346	ug/L	12:27:22
2	Mn 257.610†	133732.9	133235.7	901.581	ug/L	901.581	ug/L	12:27:22

2	Mo 202.031†	133.1	35.1	3.45703 ug/L	3.45703 ug/L	12:27:42
2	Ni 231.604†	531.8	162.8	9.58805 ug/L	9.58805 ug/L	12:27:42
2	Pb 220.353†	77.6	43.8	22.6327 ug/L	22.6327 ug/L	12:27:42
2	Sb 217.584†	-102.1	-49.8	-10.1466 ug/L	-10.1466 ug/L	12:27:42
2	Se 196.026†	-46.3	-7.1	1.92692 ug/L	1.92692 ug/L	12:27:42
2	Si 251.611†	139445.8	139390.9	12037.6 ug/L	12037.6 ug/L	12:27:22
2	Sn 189.927†	-10.8	-18.5	-13.4386 ug/L	-13.4386 ug/L	12:27:42
2	Tl 190.801†	-61.4	-15.3	-16.0437 ug/L	-16.0437 ug/L	12:27:42
2	V 292.395†	-350.3	933.3	16.6830 ug/L	16.6830 ug/L	12:27:42
2	Zn 206.200†	358.9	426.9	39.8150 ug/L	39.8150 ug/L	12:27:42

Mean Data: 1002004-06

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	198446.9	99.9540	%	0.18449				0.18%
Y 360.076	270639.6	99.7027	%	0.47017				0.47%
Ag 328.068†	-112.3	-0.873334	ug/L	0.2659706	-0.873334	ug/L	0.2659706	30.45%
Al 396.153†	38650.4	11679.4	ug/L	113.04	11679.4	ug/L	113.04	0.97%
As 188.979†	6.3	1.47788	ug/L	12.002300	1.47788	ug/L	12.002300	812.13%
B 249.677†	11257.0	594.631	ug/L	0.4051	594.631	ug/L	0.4051	0.07%
Ba 455.398†	37676.9	121.595	ug/L	1.1082	121.595	ug/L	1.1082	0.91%
Be 234.861†	784.3	-0.0087879	ug/L	0.07340157	-0.0087879	ug/L	0.07340157	835.25%
Ca 315.887†	10099.3	6.51113	mg/L	0.020665	6.51113	mg/L	0.020665	0.32%
Cd 214.437†	102.7	-1.43894	ug/L	0.122750	-1.43894	ug/L	0.122750	8.53%
Ce 413.764†	722.8	19.1976	ug/L	1.09713	19.1976	ug/L	1.09713	5.71%
Co 228.616†	14.9	-0.916326	ug/L	0.4258207	-0.916326	ug/L	0.4258207	46.47%
Cr 205.557†	136.6	9.81932	ug/L	0.342649	9.81932	ug/L	0.342649	3.49%
Cu 327.397†	336.1	8.42115	ug/L	0.081584	8.42115	ug/L	0.081584	0.97%
Fe 238.204†	24545.5	10075.9	ug/L	89.53	10075.9	ug/L	89.53	0.89%
K 766.490	811.1	1.06339	mg/L	0.006257	1.06339	mg/L	0.006257	0.59%
Li 670.784†	391.5	10.9228	ug/L	0.04042	10.9228	ug/L	0.04042	0.37%
Mg 279.071†	1080.2	2.22253	mg/L	0.017402	2.22253	mg/L	0.017402	0.78%
Mn 257.610†	133441.2	902.972	ug/L	1.9682	902.972	ug/L	1.9682	0.22%
Mo 202.031†	31.5	3.01876	ug/L	0.619794	3.01876	ug/L	0.619794	20.53%
Na 589.592†	51864.0	7.46432	mg/L	0.065510	7.46432	mg/L	0.065510	0.88%
Ni 231.604†	153.7	8.86991	ug/L	1.015593	8.86991	ug/L	1.015593	11.45%
Pb 220.353†	43.1	22.1747	ug/L	0.64770	22.1747	ug/L	0.64770	2.92%
Sb 217.584†	-53.6	-13.0945	ug/L	4.16893	-13.0945	ug/L	4.16893	31.84%
Se 196.026†	-12.2	-9.05071	ug/L	15.524725	-9.05071	ug/L	15.524725	171.53%
Si 251.611†	139234.8	12024.1	ug/L	19.10	12024.1	ug/L	19.10	0.16%
Sn 189.927†	-15.7	-12.2061	ug/L	1.74308	-12.2061	ug/L	1.74308	14.28%
Sr 407.771†	48039.7	58.3923	ug/L	0.32009	58.3923	ug/L	0.32009	0.55%
Ti 334.940†	3493.5	224.062	ug/L	0.4631	224.062	ug/L	0.4631	0.21%
Tl 190.801†	-12.5	-12.6416	ug/L	4.81127	-12.6416	ug/L	4.81127	38.06%
V 292.395†	917.3	16.3659	ug/L	0.44855	16.3659	ug/L	0.44855	2.74%
Zn 206.200†	425.4	39.6631	ug/L	0.21483	39.6631	ug/L	0.21483	0.54%

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Sequence No.: 29
Sample ID: 1002004-07
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 29
Date Collected: 2/10/2010 12:28:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002004-07

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	198284.3	198284.3	99.8722	%			12:30:00
1	Al 396.153†	617.3	431.9	121.123	ug/L	121.123	ug/L	12:30:00
1	Ba 455.398†	1581.1	1576.0	6.14084	ug/L	6.14084	ug/L	12:30:00
1	Ca 315.887†	11265.2	11159.8	7.19600	mg/L	7.19600	mg/L	12:30:00
1	Fe 238.204†	73.7	46.8	17.1799	ug/L	17.1799	ug/L	12:30:20
1	K 766.490	232.3	144.2	0.177532	mg/L	0.177532	mg/L	12:30:00
1	Li 670.784†	52.2	-14.5	-0.172411	ug/L	-0.172411	ug/L	12:30:00
1	Mg 279.071†	800.3	789.5	1.62174	mg/L	1.62174	mg/L	12:30:20
1	Na 589.592†	20230.8	19535.3	2.81919	mg/L	2.81919	mg/L	12:30:00
1	Sr 407.771†	11791.8	11561.9	14.7699	ug/L	14.7699	ug/L	12:30:00
1	Ti 334.940†	-23.7	1.3	1.95554	ug/L	1.95554	ug/L	12:30:20
1	Y 360.076	271225.0	271225.0	99.9183	%			12:30:51

1	Ag 328.068†	75.6	-31.4	-1.05019 ug/L	-1.05019 ug/L	12:31:11
1	As 188.979†	-33.5	-4.1	-11.8355 ug/L	-11.8355 ug/L	12:31:11
1	B 249.677†	1405.9	1061.6	50.7606 ug/L	50.7606 ug/L	12:31:11
1	Be 234.861†	-887.7	-15.1	-0.287204 ug/L	-0.287204 ug/L	12:31:11
1	Cd 214.437†	480.5	15.6	-2.08716 ug/L	-2.08716 ug/L	12:31:11
1	Ce 413.764†	869.1	9.1	0.241765 ug/L	0.241765 ug/L	12:30:51
1	Co 228.616†	-98.3	-6.5	-3.33296 ug/L	-3.33296 ug/L	12:31:11
1	Cr 205.557†	-27.2	5.6	-1.70004 ug/L	-1.70004 ug/L	12:31:11
1	Cu 327.397†	13.4	2.4	-1.21024 ug/L	-1.21024 ug/L	12:30:51
1	Mn 257.610†	493.3	43.4	-2.06215 ug/L	-2.06215 ug/L	12:31:11
1	Mo 202.031†	132.7	34.8	3.42676 ug/L	3.42676 ug/L	12:31:11
1	Ni 231.604†	397.7	29.3	-0.967625 ug/L	-0.967625 ug/L	12:31:11
1	Pb 220.353†	40.3	6.5	0.632830 ug/L	0.632830 ug/L	12:31:11
1	Sb 217.584†	-60.8	-8.5	-10.9282 ug/L	-10.9282 ug/L	12:31:11
1	Se 196.026†	-43.6	-4.4	-4.41836 ug/L	-4.41836 ug/L	12:31:11
1	Si 251.611†	16585.4	16593.0	1419.63 ug/L	1419.63 ug/L	12:30:51
1	Sn 189.927†	-5.6	-13.3	-10.9649 ug/L	-10.9649 ug/L	12:31:11
1	Tl 190.801†	-55.7	-9.6	-11.5031 ug/L	-11.5031 ug/L	12:31:11
1	V 292.395†	-1256.0	26.4	0.267763 ug/L	0.267763 ug/L	12:31:11
1	Zn 206.200†	-39.6	28.5	0.192639 ug/L	0.192639 ug/L	12:31:11
2	Sc 357.234	199379.2	199379.2	100.424 %		12:30:25
2	Al 396.153†	601.9	413.2	115.450 ug/L	115.450 ug/L	12:30:25
2	Ba 455.398†	1529.6	1516.0	5.94900 ug/L	5.94900 ug/L	12:30:25
2	Ca 315.887†	11346.4	11178.7	7.20822 mg/L	7.20822 mg/L	12:30:25
2	Fe 238.204†	74.2	46.9	17.1981 ug/L	17.1981 ug/L	12:30:45
2	K 766.490	228.5	140.4	0.172426 mg/L	0.172426 mg/L	12:30:25
2	Li 670.784†	61.2	-5.9	0.0627335 ug/L	0.0627335 ug/L	12:30:25
2	Mg 279.071†	810.7	795.4	1.63405 mg/L	1.63405 mg/L	12:30:45
2	Na 589.592†	20398.5	19591.0	2.82720 mg/L	2.82720 mg/L	12:30:25
2	Sr 407.771†	11905.7	11610.4	14.8279 ug/L	14.8279 ug/L	12:30:25
2	Ti 334.940†	-15.9	9.2	2.45694 ug/L	2.45694 ug/L	12:30:45
2	Y 360.076	271385.0	271385.0	99.9772 %		12:31:16
2	Ag 328.068†	81.7	-25.3	-0.961129 ug/L	-0.961129 ug/L	12:31:36
2	As 188.979†	-33.5	-4.2	-11.9047 ug/L	-11.9047 ug/L	12:31:36
2	B 249.677†	1413.3	1068.2	51.1126 ug/L	51.1126 ug/L	12:31:36
2	Be 234.861†	-887.0	-13.9	-0.281401 ug/L	-0.281401 ug/L	12:31:36
2	Cd 214.437†	485.4	20.2	-1.91605 ug/L	-1.91605 ug/L	12:31:36
2	Ce 413.764†	851.1	-9.4	-0.252803 ug/L	-0.252803 ug/L	12:31:16
2	Co 228.616†	-103.2	-11.3	-4.07922 ug/L	-4.07922 ug/L	12:31:36
2	Cr 205.557†	-38.4	-5.6	-2.63183 ug/L	-2.63183 ug/L	12:31:36
2	Cu 327.397†	3.5	-7.6	-1.49264 ug/L	-1.49264 ug/L	12:31:16
2	Mn 257.610†	487.9	37.7	-2.10045 ug/L	-2.10045 ug/L	12:31:36
2	Mo 202.031†	138.3	40.4	4.10572 ug/L	4.10572 ug/L	12:31:36
2	Ni 231.604†	405.1	36.4	-0.404316 ug/L	-0.404316 ug/L	12:31:36
2	Pb 220.353†	41.0	7.2	1.02356 ug/L	1.02356 ug/L	12:31:36
2	Sb 217.584†	-52.0	0.3	-4.61308 ug/L	-4.61308 ug/L	12:31:36
2	Se 196.026†	-50.2	-11.0	-18.5463 ug/L	-18.5463 ug/L	12:31:36
2	Si 251.611†	16522.7	16520.5	1413.34 ug/L	1413.34 ug/L	12:31:16
2	Sn 189.927†	-9.6	-17.3	-12.7509 ug/L	-12.7509 ug/L	12:31:36
2	Tl 190.801†	-55.9	-9.7	-11.6298 ug/L	-11.6298 ug/L	12:31:36
2	V 292.395†	-1261.1	22.0	0.185966 ug/L	0.185966 ug/L	12:31:36
2	Zn 206.200†	-40.9	27.2	0.0602491 ug/L	0.0602491 ug/L	12:31:36

Mean Data: 1002004-07

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 357.234	198831.8	100.148	%	0.3899				0.39%
Y 360.076	271305.0	99.9478	%	0.04166				0.04%
Ag 328.068†	-28.4	-1.00566	ug/L	0.062977	-1.00566	ug/L	0.062977	6.26%
Al 396.153†	422.6	118.287	ug/L	4.0108	118.287	ug/L	4.0108	3.39%
As 188.979†	-4.2	-11.8701	ug/L	0.04895	-11.8701	ug/L	0.04895	0.41%
B 249.677†	1064.9	50.9366	ug/L	0.24889	50.9366	ug/L	0.24889	0.49%
Ba 455.398†	1546.0	6.04492	ug/L	0.135647	6.04492	ug/L	0.135647	2.24%
Be 234.861†	-14.5	-0.284303	ug/L	0.0041029	-0.284303	ug/L	0.0041029	1.44%
Ca 315.887†	11169.3	7.20211	mg/L	0.008640	7.20211	mg/L	0.008640	0.12%
Cd 214.437†	17.9	-2.00160	ug/L	0.120995	-2.00160	ug/L	0.120995	6.04%
Ce 413.764†	-0.2	-0.0055192	ug/L	0.34971213	-0.0055192	ug/L	0.34971213	>999.9%
Co 228.616†	-8.9	-3.70609	ug/L	0.527682	-3.70609	ug/L	0.527682	14.24%
Cr 205.557†	0.0	-2.16593	ug/L	0.658874	-2.16593	ug/L	0.658874	30.42%
Cu 327.397†	-2.6	-1.35144	ug/L	0.199687	-1.35144	ug/L	0.199687	14.78%

Fe 238.204†	46.9	17.1890 ug/L	0.01293	17.1890 ug/L	0.01293	0.08%
K 766.490	142.3	0.174979 mg/L	0.0036100	0.174979 mg/L	0.0036100	2.06%
Li 670.784†	-10.2	-0.0548386 ug/L	0.16627205	-0.0548386 ug/L	0.16627205	303.20%
Mg 279.071†	792.4	1.62789 mg/L	0.008703	1.62789 mg/L	0.008703	0.53%
Mn 257.610†	40.5	-2.08130 ug/L	0.027081	-2.08130 ug/L	0.027081	1.30%
Mo 202.031†	37.6	3.76624 ug/L	0.480098	3.76624 ug/L	0.480098	12.75%
Na 589.592†	19563.2	2.82319 mg/L	0.005663	2.82319 mg/L	0.005663	0.20%
Ni 231.604†	32.8	-0.685971 ug/L	0.3983192	-0.685971 ug/L	0.3983192	58.07%
Pb 220.353†	6.9	0.828196 ug/L	0.2762892	0.828196 ug/L	0.2762892	33.36%
Sb 217.584†	-4.1	-7.77062 ug/L	4.465428	-7.77062 ug/L	4.465428	57.47%
Se 196.026†	-7.7	-11.4823 ug/L	9.98996	-11.4823 ug/L	9.98996	87.00%
Si 251.611†	16556.7	1416.48 ug/L	4.444	1416.48 ug/L	4.444	0.31%
Sn 189.927†	-15.3	-11.8579 ug/L	1.26283	-11.8579 ug/L	1.26283	10.65%
Sr 407.771†	11586.1	14.7989 ug/L	0.04103	14.7989 ug/L	0.04103	0.28%
Ti 334.940†	5.3	2.20624 ug/L	0.354537	2.20624 ug/L	0.354537	16.07%
Tl 190.801†	-9.7	-11.5665 ug/L	0.08963	-11.5665 ug/L	0.08963	0.77%
V 292.395†	24.2	0.226865 ug/L	0.0578387	0.226865 ug/L	0.0578387	25.49%
Zn 206.200†	27.9	0.126444 ug/L	0.0936134	0.126444 ug/L	0.0936134	74.04%

Sequence No.: 30
Sample ID: 1002004-08
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 30
Date Collected: 2/10/2010 12:32:52 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002004-08

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	196777.7	196777.7	99.1133	%			12:33:57
1	Al 396.153†	3145.8	2987.8	894.705	ug/L	894.705	ug/L	12:34:17
1	Ba 455.398†	5763.7	5808.2	19.6756	ug/L	19.6756	ug/L	12:33:57
1	Ca 315.887†	15392.2	15410.1	9.94079	mg/L	9.94079	mg/L	12:33:57
1	Fe 238.204†	1871.9	1861.6	762.370	ug/L	762.370	ug/L	12:34:17
1	K 766.490	347.9	259.8	0.331008	mg/L	0.331008	mg/L	12:34:17
1	Li 670.784†	71.8	5.7	0.379534	ug/L	0.379534	ug/L	12:34:17
1	Mg 279.071†	352.8	344.1	0.701532	mg/L	0.701532	mg/L	12:34:17
1	Na 589.592†	17830.1	17268.2	2.49344	mg/L	2.49344	mg/L	12:33:57
1	Sr 407.771†	20502.2	20440.6	25.3876	ug/L	25.3876	ug/L	12:33:57
1	Ti 334.940†	302.8	330.6	22.8984	ug/L	22.8984	ug/L	12:34:17
1	Y 360.076	269428.1	269428.1	99.2563	%			12:34:48
1	Ag 328.068†	72.4	-34.2	-0.966820	ug/L	-0.966820	ug/L	12:35:08
1	As 188.979†	-30.9	-1.8	-8.61586	ug/L	-8.61586	ug/L	12:35:08
1	B 249.677†	1310.6	975.0	46.2165	ug/L	46.2165	ug/L	12:35:08
1	Be 234.861†	-839.5	27.5	-0.343427	ug/L	-0.343427	ug/L	12:35:08
1	Cd 214.437†	489.9	28.3	-1.79933	ug/L	-1.79933	ug/L	12:35:08
1	Ce 413.764†	836.8	-17.7	-0.480287	ug/L	-0.480287	ug/L	12:34:48
1	Co 228.616†	-95.8	-4.6	-3.12161	ug/L	-3.12161	ug/L	12:35:08
1	Cr 205.557†	-24.8	7.9	-1.46405	ug/L	-1.46405	ug/L	12:35:08
1	Cu 327.397†	224.1	214.7	4.84213	ug/L	4.84213	ug/L	12:34:48
1	Mn 257.610†	4854.4	4440.5	27.7854	ug/L	27.7854	ug/L	12:35:08
1	Mo 202.031†	133.5	36.5	3.63373	ug/L	3.63373	ug/L	12:35:08
1	Ni 231.604†	399.6	33.8	-0.613255	ug/L	-0.613255	ug/L	12:35:08
1	Pb 220.353†	46.3	12.9	4.35760	ug/L	4.35760	ug/L	12:35:08
1	Sb 217.584†	-58.2	-6.4	-7.15978	ug/L	-7.15978	ug/L	12:35:08
1	Se 196.026†	-38.5	0.4	6.80935	ug/L	6.80935	ug/L	12:35:08
1	Si 251.611†	29354.9	29568.9	2541.60	ug/L	2541.60	ug/L	12:34:48
1	Sn 189.927†	-15.1	-22.9	-14.6646	ug/L	-14.6646	ug/L	12:35:08
1	Tl 190.801†	-50.2	-4.5	-5.07145	ug/L	-5.07145	ug/L	12:35:08
1	V 292.395†	-1176.0	98.6	1.58604	ug/L	1.58604	ug/L	12:35:08
1	Zn 206.200†	-8.0	60.1	3.36939	ug/L	3.36939	ug/L	12:35:08
2	Sc 357.234	201140.1	201140.1	101.311	%			12:34:22
2	Al 396.153†	3129.7	2903.1	869.090	ug/L	869.090	ug/L	12:34:42
2	Ba 455.398†	5871.1	5788.1	19.6114	ug/L	19.6114	ug/L	12:34:22
2	Ca 315.887†	15599.2	15277.5	9.85520	mg/L	9.85520	mg/L	12:34:22
2	Fe 238.204†	1876.0	1824.8	747.240	ug/L	747.240	ug/L	12:34:42
2	K 766.490	322.8	234.7	0.297769	mg/L	0.297769	mg/L	12:34:42
2	Li 670.784†	75.0	7.3	0.422834	ug/L	0.422834	ug/L	12:34:42
2	Mg 279.071†	346.4	330.1	0.672644	mg/L	0.672644	mg/L	12:34:42
2	Na 589.592†	18056.1	17101.1	2.46943	mg/L	2.46943	mg/L	12:34:22

2	Sr 407.771†	20809.3	20295.0	25.2135 ug/L	25.2135 ug/L	12:34:22
2	Ti 334.940†	297.9	319.1	22.1677 ug/L	22.1677 ug/L	12:34:42
2	Y 360.076	268378.2	268378.2	98.8696 %		12:35:13
2	Ag 328.068†	64.3	-42.0	-1.08344 ug/L	-1.08344 ug/L	12:35:33
2	As 188.979†	-36.9	-7.9	-17.4405 ug/L	-17.4405 ug/L	12:35:33
2	B 249.677†	1306.1	975.6	46.2481 ug/L	46.2481 ug/L	12:35:33
2	Be 234.861†	-841.6	22.1	-0.363712 ug/L	-0.363712 ug/L	12:35:33
2	Cd 214.437†	480.4	20.5	-2.08544 ug/L	-2.08544 ug/L	12:35:33
2	Ce 413.764†	867.6	16.8	0.439685 ug/L	0.439685 ug/L	12:35:13
2	Co 228.616†	-91.6	-0.7	-2.52501 ug/L	-2.52501 ug/L	12:35:33
2	Cr 205.557†	-21.6	11.0	-1.20727 ug/L	-1.20727 ug/L	12:35:33
2	Cu 327.397†	196.8	188.0	4.08245 ug/L	4.08245 ug/L	12:35:13
2	Mn 257.610†	4855.8	4461.0	27.9243 ug/L	27.9243 ug/L	12:35:33
2	Mo 202.031†	128.4	31.9	3.07442 ug/L	3.07442 ug/L	12:35:33
2	Ni 231.604†	404.4	40.3	-0.100453 ug/L	-0.100453 ug/L	12:35:33
2	Pb 220.353†	39.2	5.9	0.242371 ug/L	0.242371 ug/L	12:35:33
2	Sb 217.584†	-57.2	-5.6	-6.63676 ug/L	-6.63676 ug/L	12:35:33
2	Se 196.026†	-50.7	-12.1	-20.0149 ug/L	-20.0149 ug/L	12:35:33
2	Si 251.611†	29069.3	29395.7	2526.63 ug/L	2526.63 ug/L	12:35:13
2	Sn 189.927†	-18.1	-26.0	-16.0725 ug/L	-16.0725 ug/L	12:35:33
2	Tl 190.801†	-63.2	-17.8	-21.1673 ug/L	-21.1673 ug/L	12:35:33
2	V 292.395†	-1165.4	104.7	1.70620 ug/L	1.70620 ug/L	12:35:33
2	Zn 206.200†	-7.7	60.4	3.39601 ug/L	3.39601 ug/L	12:35:33

Mean Data: 1002004-08

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	198958.9	100.212	%	1.5537				1.55%
Y 360.076	268903.2	99.0630	%	0.27347				0.28%
Ag 328.068†	-38.1	-1.02513	ug/L	0.082464	-1.02513	ug/L	0.082464	8.04%
Al 396.153†	2945.5	881.897	ug/L	18.1130	881.897	ug/L	18.1130	2.05%
As 188.979†	-4.9	-13.0282	ug/L	6.23996	-13.0282	ug/L	6.23996	47.90%
B 249.677†	975.3	46.2323	ug/L	0.02231	46.2323	ug/L	0.02231	0.05%
Ba 455.398†	5798.1	19.6435	ug/L	0.04544	19.6435	ug/L	0.04544	0.23%
Be 234.861†	24.8	-0.353569	ug/L	0.0143431	-0.353569	ug/L	0.0143431	4.06%
Ca 315.887†	15343.8	9.89800	mg/L	0.060523	9.89800	mg/L	0.060523	0.61%
Cd 214.437†	24.4	-1.94239	ug/L	0.202310	-1.94239	ug/L	0.202310	10.42%
Ce 413.764†	-0.5	-0.0203006	ug/L	0.65051864	-0.0203006	ug/L	0.65051864	>999.9%
Co 228.616†	-2.7	-2.82331	ug/L	0.421861	-2.82331	ug/L	0.421861	14.94%
Cr 205.557†	9.4	-1.33566	ug/L	0.181570	-1.33566	ug/L	0.181570	13.59%
Cu 327.397†	201.3	4.46229	ug/L	0.537179	4.46229	ug/L	0.537179	12.04%
Fe 238.204†	1843.2	754.805	ug/L	10.6987	754.805	ug/L	10.6987	1.42%
K 766.490	247.2	0.314389	mg/L	0.0235035	0.314389	mg/L	0.0235035	7.48%
Li 670.784†	6.5	0.401184	ug/L	0.0306178	0.401184	ug/L	0.0306178	7.63%
Mg 279.071†	337.1	0.687088	mg/L	0.0204274	0.687088	mg/L	0.0204274	2.97%
Mn 257.610†	4450.7	27.8548	ug/L	0.09818	27.8548	ug/L	0.09818	0.35%
Mo 202.031†	34.2	3.35408	ug/L	0.395494	3.35408	ug/L	0.395494	11.79%
Na 589.592†	17184.6	2.48143	mg/L	0.016975	2.48143	mg/L	0.016975	0.68%
Ni 231.604†	37.0	-0.356854	ug/L	0.3626062	-0.356854	ug/L	0.3626062	101.61%
Pb 220.353†	9.4	2.29998	ug/L	2.909905	2.29998	ug/L	2.909905	126.52%
Sb 217.584†	-6.0	-6.89827	ug/L	0.369832	-6.89827	ug/L	0.369832	5.36%
Se 196.026†	-5.9	-6.60279	ug/L	18.967627	-6.60279	ug/L	18.967627	287.27%
Si 251.611†	29482.3	2534.11	ug/L	10.583	2534.11	ug/L	10.583	0.42%
Sn 189.927†	-24.4	-15.3686	ug/L	0.99554	-15.3686	ug/L	0.99554	6.48%
Sr 407.771†	20367.8	25.3006	ug/L	0.12306	25.3006	ug/L	0.12306	0.49%
Ti 334.940†	324.9	22.5331	ug/L	0.51666	22.5331	ug/L	0.51666	2.29%
Tl 190.801†	-11.1	-13.1194	ug/L	11.38150	-13.1194	ug/L	11.38150	86.75%
V 292.395†	101.6	1.64612	ug/L	0.084965	1.64612	ug/L	0.084965	5.16%
Zn 206.200†	60.2	3.38270	ug/L	0.018826	3.38270	ug/L	0.018826	0.56%

Sequence No.: 31
Sample ID: 1000900-MS2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 31
Date Collected: 2/10/2010 12:36:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000900-MS2

	Net	Corrected	Calib.	Sample	Analysis

Repl#	Analyte	Intensity	Intensity	Conc.	Units	Conc.	Units	Time
1	Sc 357.234	194393.9	194393.9	97.9126	%			12:37:51
1	Al 396.153†	7110.1	7075.6	2128.97	ug/L	2128.97	ug/L	12:38:11
1	Ba 455.398†	75967.7	77580.1	249.209	ug/L	249.209	ug/L	12:37:51
1	Ca 315.887†	31923.6	32484.3	20.9672	mg/L	20.9672	mg/L	12:38:11
1	Fe 238.204†	2274.0	2295.5	939.691	ug/L	939.691	ug/L	12:38:11
1	K 766.490	8931.7	8843.6	11.7341	mg/L	11.7341	mg/L	12:38:11
1	Li 670.784†	8518.7	8633.5	236.132	ug/L	236.132	ug/L	12:38:11
1	Mg 279.071†	5939.7	6054.5	12.5008	mg/L	12.5008	mg/L	12:38:11
1	Na 589.592†	97798.4	99161.9	14.2603	mg/L	14.2603	mg/L	12:37:51
1	Sr 407.771†	208770.5	212976.1	255.634	ug/L	255.634	ug/L	12:37:51
1	Ti 334.940†	3924.4	4033.2	258.388	ug/L	258.388	ug/L	12:38:11
1	Y 360.076	264120.0	264120.0	97.3009	%			12:38:42
1	Ag 328.068†	15066.2	15377.1	232.006	ug/L	232.006	ug/L	12:38:42
1	As 188.979†	722.1	771.5	1099.33	ug/L	1099.33	ug/L	12:39:02
1	B 249.677†	5679.6	5491.7	286.101	ug/L	286.101	ug/L	12:39:02
1	Be 234.861†	3927.8	4910.0	22.4326	ug/L	22.4326	ug/L	12:39:02
1	Cd 214.437†	6427.8	6140.8	227.777	ug/L	227.777	ug/L	12:39:02
1	Ce 413.764†	846.6	9.3	0.197231	ug/L	0.197231	ug/L	12:38:42
1	Co 228.616†	1380.1	1510.3	228.210	ug/L	228.210	ug/L	12:39:02
1	Cr 205.557†	2711.5	2819.5	232.567	ug/L	232.567	ug/L	12:39:02
1	Cu 327.397†	8412.9	8635.2	244.529	ug/L	244.529	ug/L	12:38:42
1	Mn 257.610†	37394.3	37981.3	255.254	ug/L	255.254	ug/L	12:38:42
1	Mo 202.031†	2071.3	2030.8	246.281	ug/L	246.281	ug/L	12:39:02
1	Ni 231.604†	3265.8	2987.6	233.160	ug/L	233.160	ug/L	12:39:02
1	Pb 220.353†	421.8	399.7	230.940	ug/L	230.940	ug/L	12:39:02
1	Sb 217.584†	1520.5	1614.9	1158.05	ug/L	1158.05	ug/L	12:39:02
1	Se 196.026†	421.4	472.2	1014.83	ug/L	1014.83	ug/L	12:39:02
1	Si 251.611†	42390.9	43560.9	3745.68	ug/L	3745.68	ug/L	12:38:42
1	Sn 189.927†	2550.2	2613.2	1168.77	ug/L	1168.77	ug/L	12:39:02
1	Tl 190.801†	881.6	952.2	1149.68	ug/L	1149.68	ug/L	12:39:02
1	V 292.395†	10222.6	11789.6	241.313	ug/L	241.313	ug/L	12:39:02
1	Zn 206.200†	2145.2	2272.8	228.061	ug/L	228.061	ug/L	12:39:02
2	Sc 357.234	195185.1	195185.1	98.3111	%			12:38:16
2	Al 396.153†	7125.9	7062.2	2124.92	ug/L	2124.92	ug/L	12:38:36
2	Ba 455.398†	76512.2	77819.5	249.975	ug/L	249.975	ug/L	12:38:16
2	Ca 315.887†	31915.3	32343.7	20.8764	mg/L	20.8764	mg/L	12:38:36
2	Fe 238.204†	2272.3	2284.3	935.110	ug/L	935.110	ug/L	12:38:36
2	K 766.490	8976.6	8888.5	11.7938	mg/L	11.7938	mg/L	12:38:36
2	Li 670.784†	8561.6	8641.9	236.361	ug/L	236.361	ug/L	12:38:36
2	Mg 279.071†	5938.3	6028.5	12.4470	mg/L	12.4470	mg/L	12:38:36
2	Na 589.592†	98550.2	99521.8	14.3120	mg/L	14.3120	mg/L	12:38:16
2	Sr 407.771†	209845.6	213205.5	255.908	ug/L	255.908	ug/L	12:38:16
2	Ti 334.940†	3933.0	4025.7	257.910	ug/L	257.910	ug/L	12:38:36
2	Y 360.076	263914.3	263914.3	97.2251	%			12:39:07
2	Ag 328.068†	15005.0	15326.2	231.235	ug/L	231.235	ug/L	12:39:07
2	As 188.979†	734.0	784.3	1117.67	ug/L	1117.67	ug/L	12:39:27
2	B 249.677†	5730.9	5549.0	289.149	ug/L	289.149	ug/L	12:39:27
2	Be 234.861†	3919.6	4904.8	22.4096	ug/L	22.4096	ug/L	12:39:27
2	Cd 214.437†	6415.4	6133.2	227.493	ug/L	227.493	ug/L	12:39:27
2	Ce 413.764†	845.0	8.3	0.171408	ug/L	0.171408	ug/L	12:39:07
2	Co 228.616†	1384.2	1515.6	229.024	ug/L	229.024	ug/L	12:39:27
2	Cr 205.557†	2726.5	2837.1	234.033	ug/L	234.033	ug/L	12:39:27
2	Cu 327.397†	8351.9	8579.2	242.935	ug/L	242.935	ug/L	12:39:07
2	Mn 257.610†	37306.1	37920.5	254.842	ug/L	254.842	ug/L	12:39:07
2	Mo 202.031†	2061.9	2022.8	245.310	ug/L	245.310	ug/L	12:39:27
2	Ni 231.604†	3275.3	3000.0	234.143	ug/L	234.143	ug/L	12:39:27
2	Pb 220.353†	434.6	413.2	238.853	ug/L	238.853	ug/L	12:39:27
2	Sb 217.584†	1529.3	1625.2	1165.41	ug/L	1165.41	ug/L	12:39:27
2	Se 196.026†	426.9	478.3	1027.78	ug/L	1027.78	ug/L	12:39:27
2	Si 251.611†	42375.4	43578.9	3747.25	ug/L	3747.25	ug/L	12:39:07
2	Sn 189.927†	2547.8	2612.7	1168.55	ug/L	1168.55	ug/L	12:39:27
2	Tl 190.801†	878.3	949.5	1146.40	ug/L	1146.40	ug/L	12:39:27
2	V 292.395†	10242.2	11817.9	241.877	ug/L	241.877	ug/L	12:39:27
2	Zn 206.200†	2137.2	2266.3	227.400	ug/L	227.400	ug/L	12:39:27

Mean Data: 1000900-MS2

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	194789.5	98.1119	%	0.28178				0.29%

Y 360.076	264017.1	97.2630	%	0.05358			0.06%
Ag 328.068†	15351.7	231.621	ug/L	0.5451	231.621 ug/L	0.5451	0.24%
Al 396.153†	7068.9	2126.94	ug/L	2.866	2126.94 ug/L	2.866	0.13%
As 188.979†	777.9	1108.50	ug/L	12.973	1108.50 ug/L	12.973	1.17%
B 249.677†	5520.4	287.625	ug/L	2.1552	287.625 ug/L	2.1552	0.75%
Ba 455.398†	77699.8	249.592	ug/L	0.5414	249.592 ug/L	0.5414	0.22%
Be 234.861†	4907.4	22.4211	ug/L	0.01630	22.4211 ug/L	0.01630	0.07%
Ca 315.887†	32414.0	20.9218	mg/L	0.06423	20.9218 mg/L	0.06423	0.31%
Cd 214.437†	6137.0	227.635	ug/L	0.2008	227.635 ug/L	0.2008	0.09%
Ce 413.764†	8.8	0.184320	ug/L	0.0182593	0.184320 ug/L	0.0182593	9.91%
Co 228.616†	1512.9	228.617	ug/L	0.5754	228.617 ug/L	0.5754	0.25%
Cr 205.557†	2828.3	233.300	ug/L	1.0369	233.300 ug/L	1.0369	0.44%
Cu 327.397†	8607.2	243.732	ug/L	1.1268	243.732 ug/L	1.1268	0.46%
Fe 238.204†	2289.9	937.400	ug/L	3.2391	937.400 ug/L	3.2391	0.35%
K 766.490	8866.0	11.7640	mg/L	0.04220	11.7640 mg/L	0.04220	0.36%
Li 670.784†	8637.7	236.247	ug/L	0.1620	236.247 ug/L	0.1620	0.07%
Mg 279.071†	6041.5	12.4739	mg/L	0.03804	12.4739 mg/L	0.03804	0.30%
Mn 257.610†	37950.9	255.048	ug/L	0.2915	255.048 ug/L	0.2915	0.11%
Mo 202.031†	2026.8	245.796	ug/L	0.6865	245.796 ug/L	0.6865	0.28%
Na 589.592†	99341.9	14.2862	mg/L	0.03656	14.2862 mg/L	0.03656	0.26%
Ni 231.604†	2993.8	233.652	ug/L	0.6948	233.652 ug/L	0.6948	0.30%
Pb 220.353†	406.5	234.897	ug/L	5.5956	234.897 ug/L	5.5956	2.38%
Sb 217.584†	1620.1	1161.73	ug/L	5.202	1161.73 ug/L	5.202	0.45%
Se 196.026†	475.2	1021.31	ug/L	9.159	1021.31 ug/L	9.159	0.90%
Si 251.611†	43569.9	3746.47	ug/L	1.108	3746.47 ug/L	1.108	0.03%
Sn 189.927†	2613.0	1168.66	ug/L	0.158	1168.66 ug/L	0.158	0.01%
Sr 407.771†	213090.8	255.771	ug/L	0.1939	255.771 ug/L	0.1939	0.08%
Ti 334.940†	4029.4	258.149	ug/L	0.3382	258.149 ug/L	0.3382	0.13%
Tl 190.801†	950.9	1148.04	ug/L	2.316	1148.04 ug/L	2.316	0.20%
V 292.395†	11803.8	241.595	ug/L	0.3989	241.595 ug/L	0.3989	0.17%
Zn 206.200†	2269.6	227.731	ug/L	0.4678	227.731 ug/L	0.4678	0.21%

Sequence No.: 32 **Autosampler Location: 32**
Sample ID: 1000900-MSD2 **Date Collected: 2/10/2010 12:40:43 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1000900-MSD2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	197123.1	197123.1	99.2873	%			12:41:48
1	Al 396.153†	6808.0	6670.7	2006.45	ug/L	2006.45	ug/L	12:42:08
1	Ba 455.398†	75358.0	75891.9	243.810	ug/L	243.810	ug/L	12:41:48
1	Ca 315.887†	31493.7	31599.9	20.3961	mg/L	20.3961	mg/L	12:42:08
1	Fe 238.204†	2203.4	2192.2	897.299	ug/L	897.299	ug/L	12:42:08
1	K 766.490	8769.3	8681.2	11.5185	mg/L	11.5185	mg/L	12:42:08
1	Li 670.784†	8373.3	8366.6	228.837	ug/L	228.837	ug/L	12:42:08
1	Mg 279.071†	5847.5	5877.7	12.1354	mg/L	12.1354	mg/L	12:42:08
1	Na 589.592†	97331.5	97308.8	13.9940	mg/L	13.9940	mg/L	12:41:48
1	Sr 407.771†	207219.8	208462.3	250.236	ug/L	250.236	ug/L	12:41:48
1	Ti 334.940†	3803.7	3856.1	247.124	ug/L	247.124	ug/L	12:42:08
1	Y 360.076	265384.4	265384.4	97.7666	%			12:42:39
1	Ag 328.068†	14964.4	15199.2	229.303	ug/L	229.303	ug/L	12:42:39
1	As 188.979†	737.8	784.0	1117.33	ug/L	1117.33	ug/L	12:42:59
1	B 249.677†	5521.1	5301.8	275.983	ug/L	275.983	ug/L	12:42:39
1	Be 234.861†	3899.3	4861.7	22.2215	ug/L	22.2215	ug/L	12:42:59
1	Cd 214.437†	6369.1	6049.3	224.352	ug/L	224.352	ug/L	12:42:59
1	Ce 413.764†	834.4	-7.3	-0.242149	ug/L	-0.242149	ug/L	12:42:39
1	Co 228.616†	1394.0	1517.7	229.365	ug/L	229.365	ug/L	12:42:59
1	Cr 205.557†	2708.5	2803.2	231.207	ug/L	231.207	ug/L	12:42:59
1	Cu 327.397†	8212.0	8388.5	237.502	ug/L	237.502	ug/L	12:42:39
1	Mn 257.610†	36836.4	37227.6	250.141	ug/L	250.141	ug/L	12:42:39
1	Mo 202.031†	2063.2	2012.4	244.036	ug/L	244.036	ug/L	12:42:59
1	Ni 231.604†	3272.4	2978.4	232.429	ug/L	232.429	ug/L	12:42:59
1	Pb 220.353†	431.3	407.4	235.454	ug/L	235.454	ug/L	12:42:59
1	Sb 217.584†	1506.8	1593.5	1142.51	ug/L	1142.51	ug/L	12:42:59
1	Se 196.026†	426.7	475.6	1022.10	ug/L	1022.10	ug/L	12:42:59
1	Si 251.611†	31643.2	32360.1	2777.18	ug/L	2777.18	ug/L	12:42:39

1	Sn 189.927†	2528.2	2578.2	1152.97 ug/L	1152.97 ug/L	12:42:59
1	Tl 190.801†	868.2	934.1	1127.72 ug/L	1127.72 ug/L	12:42:59
1	V 292.395†	9932.6	11442.9	234.263 ug/L	234.263 ug/L	12:42:39
1	Zn 206.200†	2153.5	2270.8	227.873 ug/L	227.873 ug/L	12:42:59
2	Sc 357.234	198542.9	198542.9	100.002 %		12:42:13
2	Al 396.153†	6878.5	6692.2	2012.95 ug/L	2012.95 ug/L	12:42:33
2	Ba 455.398†	76007.7	75998.8	244.152 ug/L	244.152 ug/L	12:42:13
2	Ca 315.887†	31754.5	31633.9	20.4181 mg/L	20.4181 mg/L	12:42:33
2	Fe 238.204†	2228.0	2201.0	900.898 ug/L	900.898 ug/L	12:42:33
2	K 766.490	8869.4	8781.3	11.6514 mg/L	11.6514 mg/L	12:42:33
2	Li 670.784†	8462.1	8395.1	229.616 ug/L	229.616 ug/L	12:42:33
2	Mg 279.071†	5898.5	5886.5	12.1537 mg/L	12.1537 mg/L	12:42:33
2	Na 589.592†	97993.6	97269.8	13.9885 mg/L	13.9885 mg/L	12:42:13
2	Sr 407.771†	208761.3	208511.3	250.294 ug/L	250.294 ug/L	12:42:13
2	Ti 334.940†	3830.9	3855.9	247.113 ug/L	247.113 ug/L	12:42:33
2	Y 360.076	266292.9	266292.9	98.1013 %		12:43:05
2	Ag 328.068†	15014.5	15198.0	229.289 ug/L	229.289 ug/L	12:43:05
2	As 188.979†	732.2	775.7	1105.44 ug/L	1105.44 ug/L	12:43:25
2	B 249.677†	5553.7	5315.7	276.729 ug/L	276.729 ug/L	12:43:05
2	Be 234.861†	3904.5	4853.4	22.1814 ug/L	22.1814 ug/L	12:43:25
2	Cd 214.437†	6370.1	6028.0	223.553 ug/L	223.553 ug/L	12:43:25
2	Ce 413.764†	856.3	12.1	0.275631 ug/L	0.275631 ug/L	12:43:05
2	Co 228.616†	1395.0	1513.8	228.780 ug/L	228.780 ug/L	12:43:25
2	Cr 205.557†	2711.6	2796.9	230.685 ug/L	230.685 ug/L	12:43:25
2	Cu 327.397†	8284.6	8433.8	238.792 ug/L	238.792 ug/L	12:43:05
2	Mn 257.610†	37012.3	37278.3	250.485 ug/L	250.485 ug/L	12:43:05
2	Mo 202.031†	2064.2	2006.2	243.290 ug/L	243.290 ug/L	12:43:25
2	Ni 231.604†	3252.1	2946.3	229.888 ug/L	229.888 ug/L	12:43:25
2	Pb 220.353†	435.7	410.3	237.160 ug/L	237.160 ug/L	12:43:25
2	Sb 217.584†	1524.4	1606.2	1151.64 ug/L	1151.64 ug/L	12:43:25
2	Se 196.026†	433.9	481.5	1034.52 ug/L	1034.52 ug/L	12:43:25
2	Si 251.611†	31869.6	32480.4	2787.59 ug/L	2787.59 ug/L	12:43:05
2	Sn 189.927†	2539.6	2581.0	1154.23 ug/L	1154.23 ug/L	12:43:25
2	Tl 190.801†	884.8	948.1	1144.53 ug/L	1144.53 ug/L	12:43:25
2	V 292.395†	10010.9	11488.1	235.172 ug/L	235.172 ug/L	12:43:05
2	Zn 206.200†	2168.0	2278.1	228.609 ug/L	228.609 ug/L	12:43:25

Mean Data: 1000900-MSD2

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	197833.0	99.6448	%	0.50568				0.51%
Y 360.076	265838.6	97.9340	%	0.23667				0.24%
Ag 328.068†	15198.6	229.296	ug/L	0.0102	229.296	ug/L	0.0102	0.00%
Al 396.153†	6681.5	2009.70	ug/L	4.597	2009.70	ug/L	4.597	0.23%
As 188.979†	779.8	1111.39	ug/L	8.405	1111.39	ug/L	8.405	0.76%
B 249.677†	5308.7	276.356	ug/L	0.5273	276.356	ug/L	0.5273	0.19%
Ba 455.398†	75945.3	243.981	ug/L	0.2417	243.981	ug/L	0.2417	0.10%
Be 234.861†	4857.5	22.2015	ug/L	0.02834	22.2015	ug/L	0.02834	0.13%
Ca 315.887†	31616.9	20.4071	mg/L	0.01554	20.4071	mg/L	0.01554	0.08%
Cd 214.437†	6038.7	223.953	ug/L	0.5644	223.953	ug/L	0.5644	0.25%
Ce 413.764†	2.4	0.0167409	ug/L	0.36612560	0.0167409	ug/L	0.36612560	>999.9%
Co 228.616†	1515.8	229.073	ug/L	0.4137	229.073	ug/L	0.4137	0.18%
Cr 205.557†	2800.1	230.946	ug/L	0.3689	230.946	ug/L	0.3689	0.16%
Cu 327.397†	8411.2	238.147	ug/L	0.9123	238.147	ug/L	0.9123	0.38%
Fe 238.204†	2196.6	899.099	ug/L	2.5450	899.099	ug/L	2.5450	0.28%
K 766.490	8731.2	11.5849	mg/L	0.09399	11.5849	mg/L	0.09399	0.81%
Li 670.784†	8380.8	229.227	ug/L	0.5508	229.227	ug/L	0.5508	0.24%
Mg 279.071†	5882.1	12.1446	mg/L	0.01296	12.1446	mg/L	0.01296	0.11%
Mn 257.610†	37252.9	250.313	ug/L	0.2437	250.313	ug/L	0.2437	0.10%
Mo 202.031†	2009.3	243.663	ug/L	0.5273	243.663	ug/L	0.5273	0.22%
Na 589.592†	97289.3	13.9913	mg/L	0.00396	13.9913	mg/L	0.00396	0.03%
Ni 231.604†	2962.3	231.159	ug/L	1.7971	231.159	ug/L	1.7971	0.78%
Pb 220.353†	408.9	236.307	ug/L	1.2059	236.307	ug/L	1.2059	0.51%
Sb 217.584†	1599.8	1147.07	ug/L	6.461	1147.07	ug/L	6.461	0.56%
Se 196.026†	478.5	1028.31	ug/L	8.785	1028.31	ug/L	8.785	0.85%
Si 251.611†	32420.3	2782.38	ug/L	7.359	2782.38	ug/L	7.359	0.26%
Sn 189.927†	2579.6	1153.60	ug/L	0.889	1153.60	ug/L	0.889	0.08%
Sr 407.771†	208486.8	250.265	ug/L	0.0414	250.265	ug/L	0.0414	0.02%
Ti 334.940†	3856.0	247.119	ug/L	0.0081	247.119	ug/L	0.0081	0.00%
Tl 190.801†	941.1	1136.13	ug/L	11.884	1136.13	ug/L	11.884	1.05%

V 292.395†	11465.5	234.717 ug/L	0.6430	234.717 ug/L	0.6430	0.27%	
Zn 206.200†	2274.5	228.241 ug/L	0.5209	228.241 ug/L	0.5209	0.23%	

Sequence No.: 33
Sample ID: 0B10018-SRD2
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 33
Date Collected: 2/10/2010 12:44:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B10018-SRD2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	200638.2	200638.2	101.058	%			12:45:47
1	Al 396.153†	768.7	574.5	163.096	ug/L	815.482	ug/L	12:46:07
1	Ba 455.398†	1172.3	1153.0	4.78792	ug/L	23.9396	ug/L	12:45:47
1	Ca 315.887†	3220.5	3066.9	1.96967	mg/L	9.84836	mg/L	12:46:07
1	Fe 238.204†	407.0	375.8	152.312	ug/L	761.561	ug/L	12:46:07
1	K 766.490	111.5	23.4	0.0170420	mg/L	0.0852100	mg/L	12:45:47
1	Li 670.784†	98.8	31.0	1.07057	ug/L	5.35286	ug/L	12:45:47
1	Mg 279.071†	86.6	73.9	0.143121	mg/L	0.715603	mg/L	12:46:07
1	Na 589.592†	4075.4	3311.4	0.488058	mg/L	2.44029	mg/L	12:45:47
1	Sr 407.771†	4296.7	4006.6	5.73487	ug/L	28.6743	ug/L	12:45:47
1	Ti 334.940†	51.6	76.1	6.71177	ug/L	33.5589	ug/L	12:46:07
1	Y 360.076	272385.1	272385.1	100.346	%			12:46:38
1	Ag 328.068†	109.7	2.3	-0.588349	ug/L	-2.94174	ug/L	12:46:58
1	As 188.979†	-34.9	-5.4	-13.6997	ug/L	-68.4983	ug/L	12:46:58
1	B 249.677†	603.9	256.4	7.89568	ug/L	39.4784	ug/L	12:46:58
1	Be 234.861†	-854.0	22.2	-0.158133	ug/L	-0.790663	ug/L	12:46:58
1	Cd 214.437†	462.6	-4.3	-2.86069	ug/L	-14.3034	ug/L	12:46:58
1	Ce 413.764†	840.3	-23.3	-0.625260	ug/L	-3.12630	ug/L	12:46:38
1	Co 228.616†	-97.4	-5.2	-3.15287	ug/L	-15.7644	ug/L	12:46:58
1	Cr 205.557†	-33.0	-0.0	-2.16180	ug/L	-10.8090	ug/L	12:46:58
1	Cu 327.397†	34.5	23.3	-0.610848	ug/L	-3.05424	ug/L	12:46:38
1	Mn 257.610†	1231.0	776.4	2.91444	ug/L	14.5722	ug/L	12:46:58
1	Mo 202.031†	113.0	14.7	0.973772	ug/L	4.86886	ug/L	12:46:58
1	Ni 231.604†	393.4	23.2	-1.45159	ug/L	-7.25793	ug/L	12:46:58
1	Pb 220.353†	38.0	4.1	-0.799493	ug/L	-3.99746	ug/L	12:46:58
1	Sb 217.584†	-48.2	4.3	-1.32091	ug/L	-6.60456	ug/L	12:46:58
1	Se 196.026†	-41.5	-2.2	0.446264	ug/L	2.23132	ug/L	12:46:58
1	Si 251.611†	6030.8	6004.1	503.667	ug/L	2518.33	ug/L	12:46:38
1	Sn 189.927†	2.3	-5.4	-8.56600	ug/L	-42.8300	ug/L	12:46:58
1	Tl 190.801†	-52.5	-6.2	-7.29799	ug/L	-36.4899	ug/L	12:46:58
1	V 292.395†	-1270.4	17.4	0.0304732	ug/L	0.152366	ug/L	12:46:58
1	Zn 206.200†	-58.0	10.4	-1.62391	ug/L	-8.11957	ug/L	12:46:58
2	Sc 357.234	207033.5	207033.5	104.279	%			12:46:12
2	Al 396.153†	776.1	558.1	158.141	ug/L	790.703	ug/L	12:46:32
2	Ba 455.398†	1166.0	1111.0	4.65381	ug/L	23.2690	ug/L	12:46:12
2	Ca 315.887†	3225.0	2972.8	1.90888	mg/L	9.54438	mg/L	12:46:32
2	Fe 238.204†	405.6	362.0	146.651	ug/L	733.254	ug/L	12:46:32
2	K 766.490	179.3	91.2	0.107050	mg/L	0.535248	mg/L	12:46:12
2	Li 670.784†	94.9	24.3	0.886639	ug/L	4.43319	ug/L	12:46:12
2	Mg 279.071†	91.1	75.6	0.146614	mg/L	0.733068	mg/L	12:46:32
2	Na 589.592†	3997.9	3112.5	0.459482	mg/L	2.29741	mg/L	12:46:12
2	Sr 407.771†	4259.9	3840.1	5.53569	ug/L	27.6785	ug/L	12:46:12
2	Ti 334.940†	38.7	62.2	5.82918	ug/L	29.1459	ug/L	12:46:32
2	Y 360.076	272316.6	272316.6	100.320	%			12:47:04
2	Ag 328.068†	66.8	-40.5	-1.23640	ug/L	-6.18199	ug/L	12:47:24
2	As 188.979†	-38.9	-9.4	-19.4721	ug/L	-97.3606	ug/L	12:47:24
2	B 249.677†	588.6	241.2	7.08946	ug/L	35.4473	ug/L	12:47:24
2	Be 234.861†	-847.9	28.1	-0.128659	ug/L	-0.643294	ug/L	12:47:24
2	Cd 214.437†	469.0	2.2	-2.61749	ug/L	-13.0875	ug/L	12:47:24
2	Ce 413.764†	834.4	-29.0	-0.776075	ug/L	-3.88037	ug/L	12:47:04
2	Co 228.616†	-99.2	-7.0	-3.43133	ug/L	-17.1566	ug/L	12:47:24
2	Cr 205.557†	-26.8	6.1	-1.64997	ug/L	-8.24985	ug/L	12:47:24
2	Cu 327.397†	48.4	37.1	-0.218917	ug/L	-1.09459	ug/L	12:47:04
2	Mn 257.610†	1221.7	767.4	2.85324	ug/L	14.2662	ug/L	12:47:24
2	Mo 202.031†	104.1	5.8	-0.100304	ug/L	-0.501519	ug/L	12:47:24
2	Ni 231.604†	379.7	9.7	-2.52482	ug/L	-12.6241	ug/L	12:47:24
2	Pb 220.353†	33.0	-0.9	-3.71905	ug/L	-18.5953	ug/L	12:47:24

2	Sb 217.584†	-57.2	-4.7	-7.78926 ug/L	-38.9463 ug/L	12:47:24
2	Se 196.026†	-38.2	1.1	7.56232 ug/L	37.8116 ug/L	12:47:24
2	Si 251.611†	6065.1	6039.8	506.781 ug/L	2533.90 ug/L	12:47:04
2	Sn 189.927†	1.9	-5.8	-8.78047 ug/L	-43.9023 ug/L	12:47:24
2	Tl 190.801†	-51.4	-5.1	-5.97951 ug/L	-29.8976 ug/L	12:47:24
2	V 292.395†	-1249.0	38.4	0.448226 ug/L	2.24113 ug/L	12:47:24
2	Zn 206.200†	-56.0	12.4	-1.42021 ug/L	-7.10104 ug/L	12:47:24

Mean Data: 0B10018-SRD2

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	203835.9	102.668	%	2.2777				2.22%
Y 360.076	272350.8	100.333	%	0.0178				0.02%
Ag 328.068†	-19.1	-0.912374	ug/L	0.4582402	-4.56187	ug/L	2.291201	50.23%
Al 396.153†	566.3	160.618	ug/L	3.5043	803.092	ug/L	17.5217	2.18%
As 188.979†	-7.4	-16.5859	ug/L	4.08174	-82.9294	ug/L	20.40872	24.61%
B 249.677†	248.8	7.49257	ug/L	0.570080	37.4628	ug/L	2.85040	7.61%
Ba 455.398†	1132.0	4.72086	ug/L	0.094832	23.6043	ug/L	0.47416	2.01%
Be 234.861†	25.2	-0.143396	ug/L	0.0208410	-0.716978	ug/L	0.1042052	14.53%
Ca 315.887†	3019.8	1.93927	mg/L	0.042989	9.69637	mg/L	0.214947	2.22%
Cd 214.437†	-1.0	-2.73909	ug/L	0.171963	-13.6955	ug/L	0.85982	6.28%
Ce 413.764†	-26.2	-0.700668	ug/L	0.1066419	-3.50334	ug/L	0.533210	15.22%
Co 228.616†	-6.1	-3.29210	ug/L	0.196897	-16.4605	ug/L	0.98449	5.98%
Cr 205.557†	3.0	-1.90588	ug/L	0.361918	-9.52942	ug/L	1.809588	18.99%
Cu 327.397†	30.2	-0.414882	ug/L	0.2771367	-2.07441	ug/L	1.385684	66.80%
Fe 238.204†	368.9	149.482	ug/L	4.0032	747.408	ug/L	20.0158	2.68%
K 766.490	57.3	0.0620458	mg/L	0.06364491	0.310229	mg/L	0.3182246	102.58%
Li 670.784†	27.6	0.978605	ug/L	0.1300606	4.89303	ug/L	0.650303	13.29%
Mg 279.071†	74.7	0.144867	mg/L	0.0024699	0.724335	mg/L	0.0123497	1.70%
Mn 257.610†	771.9	2.88384	ug/L	0.043273	14.4192	ug/L	0.21636	1.50%
Mo 202.031†	10.2	0.436734	ug/L	0.7594860	2.18367	ug/L	3.797430	173.90%
Na 589.592†	3211.9	0.473770	mg/L	0.0202063	2.36885	mg/L	0.101032	4.27%
Ni 231.604†	16.5	-1.98820	ug/L	0.758893	-9.94102	ug/L	3.794463	38.17%
Pb 220.353†	1.6	-2.25927	ug/L	2.064440	-11.2964	ug/L	10.32220	91.38%
Sb 217.584†	-0.2	-4.55508	ug/L	4.573810	-22.7754	ug/L	22.86905	100.41%
Se 196.026†	-0.6	4.00429	ug/L	5.031810	20.0215	ug/L	25.15905	125.66%
Si 251.611†	6021.9	505.224	ug/L	2.2021	2526.12	ug/L	11.010	0.44%
Sn 189.927†	-5.6	-8.67323	ug/L	0.151647	-43.3662	ug/L	0.75824	1.75%
Sr 407.771†	3923.4	5.63528	ug/L	0.140835	28.1764	ug/L	0.70418	2.50%
Ti 334.940†	69.2	6.27048	ug/L	0.624086	31.3524	ug/L	3.12043	9.95%
Tl 190.801†	-5.6	-6.63875	ug/L	0.932305	-33.1937	ug/L	4.66153	14.04%
V 292.395†	27.9	0.239350	ug/L	0.2953962	1.19675	ug/L	1.476981	123.42%
Zn 206.200†	11.4	-1.52206	ug/L	0.144042	-7.61031	ug/L	0.720208	9.46%

Sequence No.: 34
Sample ID: 1000900-PS2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 34
Date Collected: 2/10/2010 12:48:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000900-PS2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	198274.0	198274.0	99.8670	%			12:49:43
1	Al 396.153†	7119.7	6943.1	2088.91	ug/L	2088.91	ug/L	12:50:03
1	Ba 455.398†	79838.3	79937.6	256.749	ug/L	256.749	ug/L	12:49:43
1	Ca 315.887†	34074.1	33999.6	21.9458	mg/L	21.9458	mg/L	12:50:03
1	Fe 238.204†	2418.0	2394.2	980.212	ug/L	980.212	ug/L	12:50:03
1	K 766.490	9453.7	9365.6	12.4276	mg/L	12.4276	mg/L	12:50:03
1	Li 670.784†	8850.7	8795.7	240.563	ug/L	240.563	ug/L	12:50:03
1	Mg 279.071†	6221.9	6218.3	12.8393	mg/L	12.8393	mg/L	12:50:03
1	Na 589.592†	100922.0	100335.0	14.4289	mg/L	14.4289	mg/L	12:49:43
1	Sr 407.771†	220036.9	220084.9	264.135	ug/L	264.135	ug/L	12:49:43
1	Ti 334.940†	4171.7	4202.3	269.145	ug/L	269.145	ug/L	12:50:03
1	Y 360.076	267132.1	267132.1	98.4105	%			12:50:34
1	Ag 328.068†	15585.0	15729.7	237.350	ug/L	237.350	ug/L	12:50:34
1	As 188.979†	801.9	844.2	1203.56	ug/L	1203.56	ug/L	12:50:54
1	B 249.677†	5813.4	5561.9	289.797	ug/L	289.797	ug/L	12:50:54

1	Be 234.861†	4321.5	5264.6	24.0784 ug/L	24.0784 ug/L	12:50:54
1	Cd 214.437†	6823.6	6468.5	240.089 ug/L	240.089 ug/L	12:50:54
1	Ce 413.764†	857.7	10.8	0.235037 ug/L	0.235037 ug/L	12:50:34
1	Co 228.616†	1490.8	1606.8	242.953 ug/L	242.953 ug/L	12:50:54
1	Cr 205.557†	2878.5	2957.9	244.083 ug/L	244.083 ug/L	12:50:54
1	Cu 327.397†	8715.1	8844.8	250.496 ug/L	250.496 ug/L	12:50:34
1	Mn 257.610†	40275.8	40476.0	272.174 ug/L	272.174 ug/L	12:50:34
1	Mo 202.031†	2187.3	2124.6	257.697 ug/L	257.697 ug/L	12:50:54
1	Ni 231.604†	3447.8	3134.7	244.801 ug/L	244.801 ug/L	12:50:54
1	Pb 220.353†	449.3	422.8	244.478 ug/L	244.478 ug/L	12:50:54
1	Sb 217.584†	1656.6	1735.7	1244.89 ug/L	1244.89 ug/L	12:50:54
1	Se 196.026†	475.5	522.3	1121.88 ug/L	1121.88 ug/L	12:50:54
1	Si 251.611†	43300.7	43994.1	3782.88 ug/L	3782.88 ug/L	12:50:34
1	Sn 189.927†	2745.6	2782.3	1244.73 ug/L	1244.73 ug/L	12:50:54
1	Tl 190.801†	952.9	1014.5	1224.75 ug/L	1224.75 ug/L	12:50:54
1	V 292.395†	10825.4	12283.7	251.448 ug/L	251.448 ug/L	12:50:54
1	Zn 206.200†	2310.4	2415.8	242.591 ug/L	242.591 ug/L	12:50:54
2	Sc 357.234	198102.3	198102.3	99.7805 %		12:50:08
2	Al 396.153†	7162.3	6991.9	2103.71 ug/L	2103.71 ug/L	12:50:28
2	Ba 455.398†	80118.8	80288.0	257.869 ug/L	257.869 ug/L	12:50:08
2	Ca 315.887†	34150.0	34105.3	22.0140 mg/L	22.0140 mg/L	12:50:28
2	Fe 238.204†	2435.4	2413.7	988.216 ug/L	988.216 ug/L	12:50:28
2	K 766.490	9496.5	9408.4	12.4845 mg/L	12.4845 mg/L	12:50:28
2	Li 670.784†	8916.9	8869.7	242.585 ug/L	242.585 ug/L	12:50:28
2	Mg 279.071†	6230.5	6232.4	12.8683 mg/L	12.8683 mg/L	12:50:28
2	Na 589.592†	101478.9	100980.8	14.5217 mg/L	14.5217 mg/L	12:50:08
2	Sr 407.771†	221268.4	221510.2	265.839 ug/L	265.839 ug/L	12:50:08
2	Ti 334.940†	4168.8	4203.0	269.191 ug/L	269.191 ug/L	12:50:28
2	Y 360.076	267699.0	267699.0	98.6194 %		12:50:59
2	Ag 328.068†	15633.7	15745.5	237.600 ug/L	237.600 ug/L	12:50:59
2	As 188.979†	796.6	837.1	1193.45 ug/L	1193.45 ug/L	12:51:19
2	B 249.677†	5822.7	5558.8	289.642 ug/L	289.642 ug/L	12:51:19
2	Be 234.861†	4299.3	5232.7	23.9265 ug/L	23.9265 ug/L	12:51:19
2	Cd 214.437†	6818.2	6448.3	239.328 ug/L	239.328 ug/L	12:51:19
2	Ce 413.764†	936.5	88.9	2.31612 ug/L	2.31612 ug/L	12:50:59
2	Co 228.616†	1474.3	1586.8	239.889 ug/L	239.889 ug/L	12:51:19
2	Cr 205.557†	2869.7	2942.7	242.824 ug/L	242.824 ug/L	12:51:19
2	Cu 327.397†	8749.6	8861.1	250.960 ug/L	250.960 ug/L	12:50:59
2	Mn 257.610†	40257.3	40370.6	271.459 ug/L	271.459 ug/L	12:50:59
2	Mo 202.031†	2190.7	2123.4	257.552 ug/L	257.552 ug/L	12:51:19
2	Ni 231.604†	3439.6	3118.9	243.556 ug/L	243.556 ug/L	12:51:19
2	Pb 220.353†	448.9	421.4	243.650 ug/L	243.650 ug/L	12:51:19
2	Sb 217.584†	1652.0	1727.4	1238.97 ug/L	1238.97 ug/L	12:51:19
2	Se 196.026†	485.7	531.6	1141.82 ug/L	1141.82 ug/L	12:51:19
2	Si 251.611†	43262.7	43862.4	3771.49 ug/L	3771.49 ug/L	12:50:59
2	Sn 189.927†	2748.3	2779.1	1243.32 ug/L	1243.32 ug/L	12:51:19
2	Tl 190.801†	951.3	1010.7	1220.29 ug/L	1220.29 ug/L	12:51:19
2	V 292.395†	10741.2	12175.0	249.238 ug/L	249.238 ug/L	12:51:19
2	Zn 206.200†	2315.1	2415.6	242.570 ug/L	242.570 ug/L	12:51:19

Mean Data: 1000900-PS2

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	198188.2	99.8237	%	0.06115				0.06%
Y 360.076	267415.6	98.5149	%	0.14768				0.15%
Ag 328.068†	15737.6	237.475	ug/L	0.1772	237.475	ug/L	0.1772	0.07%
Al 396.153†	6967.5	2096.31	ug/L	10.460	2096.31	ug/L	10.460	0.50%
As 188.979†	840.6	1198.50	ug/L	7.149	1198.50	ug/L	7.149	0.60%
B 249.677†	5560.3	289.720	ug/L	0.1097	289.720	ug/L	0.1097	0.04%
Ba 455.398†	80112.8	257.309	ug/L	0.7923	257.309	ug/L	0.7923	0.31%
Be 234.861†	5248.7	24.0025	ug/L	0.10744	24.0025	ug/L	0.10744	0.45%
Ca 315.887†	34052.5	21.9799	mg/L	0.04824	21.9799	mg/L	0.04824	0.22%
Cd 214.437†	6458.4	239.709	ug/L	0.5378	239.709	ug/L	0.5378	0.22%
Ce 413.764†	49.8	1.27558	ug/L	1.471551	1.27558	ug/L	1.471551	115.36%
Co 228.616†	1596.8	241.421	ug/L	2.1667	241.421	ug/L	2.1667	0.90%
Cr 205.557†	2950.3	243.454	ug/L	0.8901	243.454	ug/L	0.8901	0.37%
Cu 327.397†	8852.9	250.728	ug/L	0.3280	250.728	ug/L	0.3280	0.13%
Fe 238.204†	2404.0	984.214	ug/L	5.6600	984.214	ug/L	5.6600	0.58%
K 766.490	9387.0	12.4561	mg/L	0.04021	12.4561	mg/L	0.04021	0.32%
Li 670.784†	8832.7	241.574	ug/L	1.4292	241.574	ug/L	1.4292	0.59%

Mg 279.071†	6225.4	12.8538 mg/L	0.02052	12.8538 mg/L	0.02052	0.16%
Mn 257.610†	40423.3	271.817 ug/L	0.5053	271.817 ug/L	0.5053	0.19%
Mo 202.031†	2124.0	257.624 ug/L	0.1030	257.624 ug/L	0.1030	0.04%
Na 589.592†	100657.9	14.4753 mg/L	0.06561	14.4753 mg/L	0.06561	0.45%
Ni 231.604†	3126.8	244.178 ug/L	0.8806	244.178 ug/L	0.8806	0.36%
Pb 220.353†	422.1	244.064 ug/L	0.5854	244.064 ug/L	0.5854	0.24%
Sb 217.584†	1731.5	1241.93 ug/L	4.186	1241.93 ug/L	4.186	0.34%
Se 196.026†	527.0	1131.85 ug/L	14.098	1131.85 ug/L	14.098	1.25%
Si 251.611†	43928.2	3777.19 ug/L	8.054	3777.19 ug/L	8.054	0.21%
Sn 189.927†	2780.7	1244.02 ug/L	0.992	1244.02 ug/L	0.992	0.08%
Sr 407.771†	220797.6	264.987 ug/L	1.2052	264.987 ug/L	1.2052	0.45%
Ti 334.940†	4202.7	269.168 ug/L	0.0319	269.168 ug/L	0.0319	0.01%
Tl 190.801†	1012.6	1222.52 ug/L	3.155	1222.52 ug/L	3.155	0.26%
V 292.395†	12229.3	250.343 ug/L	1.5628	250.343 ug/L	1.5628	0.62%
Zn 206.200†	2415.7	242.580 ug/L	0.0146	242.580 ug/L	0.0146	0.01%

Sequence No.: 35
Sample ID: 1002004-09
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 35
Date Collected: 2/10/2010 12:52:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002004-09

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	197107.8	197107.8	99.2796	%			12:53:41
1	Al 396.153†	365.6	182.1	47.5520	ug/L	47.5520	ug/L	12:53:41
1	Ba 455.398†	76706.2	77255.7	248.172	ug/L	248.172	ug/L	12:53:41
1	Ca 315.887†	25855.7	25923.5	16.7303	mg/L	16.7303	mg/L	12:53:41
1	Fe 238.204†	75.1	48.6	17.8970	ug/L	17.8970	ug/L	12:54:01
1	K 766.490	389.7	301.6	0.386628	mg/L	0.386628	mg/L	12:53:41
1	Li 670.784†	62.0	-4.3	0.105827	ug/L	0.105827	ug/L	12:53:41
1	Mg 279.071†	827.6	821.8	1.68855	mg/L	1.68855	mg/L	12:54:01
1	Na 589.592†	22460.7	21902.3	3.15928	mg/L	3.15928	mg/L	12:53:41
1	Sr 407.771†	155161.6	156042.5	187.549	ug/L	187.549	ug/L	12:53:41
1	Ti 334.940†	-22.7	2.2	2.01365	ug/L	2.01365	ug/L	12:54:01
1	Y 360.076	266630.4	266630.4	98.2257	%			12:54:33
1	Ag 328.068†	85.2	-20.3	-0.775655	ug/L	-0.775655	ug/L	12:54:53
1	As 188.979†	-26.3	2.6	-2.17418	ug/L	-2.17418	ug/L	12:54:53
1	B 249.677†	1684.1	1369.0	67.1282	ug/L	67.1282	ug/L	12:54:53
1	Be 234.861†	-894.8	-37.7	-0.392501	ug/L	-0.392501	ug/L	12:54:53
1	Cd 214.437†	483.8	27.2	-1.65062	ug/L	-1.65062	ug/L	12:54:53
1	Ce 413.764†	844.4	-1.1	-0.0311717	ug/L	-0.0311717	ug/L	12:54:33
1	Co 228.616†	-90.6	-0.3	-2.39181	ug/L	-2.39181	ug/L	12:54:53
1	Cr 205.557†	-17.5	15.0	-0.920898	ug/L	-0.920898	ug/L	12:54:53
1	Cu 327.397†	14.0	3.2	-1.18604	ug/L	-1.18604	ug/L	12:54:33
1	Mn 257.610†	7124.3	6802.7	43.7774	ug/L	43.7774	ug/L	12:54:33
1	Mo 202.031†	212.4	118.3	13.5865	ug/L	13.5865	ug/L	12:54:53
1	Ni 231.604†	453.0	92.4	4.04414	ug/L	4.04414	ug/L	12:54:53
1	Pb 220.353†	41.3	8.3	1.65827	ug/L	1.65827	ug/L	12:54:53
1	Sb 217.584†	-47.4	4.0	-1.89838	ug/L	-1.89838	ug/L	12:54:53
1	Se 196.026†	-54.3	-16.1	-29.2968	ug/L	-29.2968	ug/L	12:54:53
1	Si 251.611†	5470.9	5563.8	465.675	ug/L	465.675	ug/L	12:54:33
1	Sn 189.927†	-26.7	-34.9	-18.5566	ug/L	-18.5566	ug/L	12:54:53
1	Tl 190.801†	-56.8	-11.7	-13.9663	ug/L	-13.9663	ug/L	12:54:53
1	V 292.395†	-1267.8	-7.3	-0.309290	ug/L	-0.309290	ug/L	12:54:53
1	Zn 206.200†	165.3	236.4	21.3378	ug/L	21.3378	ug/L	12:54:53
2	Sc 357.234	200265.7	200265.7	100.870	%			12:54:06
2	Al 396.153†	333.0	144.0	36.0687	ug/L	36.0687	ug/L	12:54:06
2	Ba 455.398†	77964.4	77284.8	248.265	ug/L	248.265	ug/L	12:54:06
2	Ca 315.887†	26415.8	26068.1	16.8237	mg/L	16.8237	mg/L	12:54:06
2	Fe 238.204†	71.7	44.1	16.0184	ug/L	16.0184	ug/L	12:54:26
2	K 766.490	338.9	250.8	0.319135	mg/L	0.319135	mg/L	12:54:06
2	Li 670.784†	56.3	-11.0	-0.0758928	ug/L	-0.0758928	ug/L	12:54:06
2	Mg 279.071†	829.9	810.9	1.66609	mg/L	1.66609	mg/L	12:54:26
2	Na 589.592†	22792.3	21874.2	3.15526	mg/L	3.15526	mg/L	12:54:06
2	Sr 407.771†	157684.1	156078.8	187.592	ug/L	187.592	ug/L	12:54:06
2	Ti 334.940†	-26.0	-0.7	1.82749	ug/L	1.82749	ug/L	12:54:26
2	Y 360.076	270116.2	270116.2	99.5099	%			12:54:58

2	Ag 328.068†	81.7	-25.0	-0.849846 ug/L	-0.849846 ug/L	12:55:18
2	As 188.979†	-26.9	2.4	-2.51118 ug/L	-2.51118 ug/L	12:55:18
2	B 249.677†	1666.7	1329.5	65.0204 ug/L	65.0204 ug/L	12:55:18
2	Be 234.861†	-905.3	-36.5	-0.385996 ug/L	-0.385996 ug/L	12:55:18
2	Cd 214.437†	479.1	16.1	-2.06562 ug/L	-2.06562 ug/L	12:55:18
2	Ce 413.764†	821.4	-35.3	-0.942384 ug/L	-0.942384 ug/L	12:54:58
2	Co 228.616†	-89.4	2.0	-2.03372 ug/L	-2.03372 ug/L	12:55:18
2	Cr 205.557†	-33.6	-0.9	-2.24934 ug/L	-2.24934 ug/L	12:55:18
2	Cu 327.397†	-20.0	-31.2	-2.16548 ug/L	-2.16548 ug/L	12:54:58
2	Mn 257.610†	7172.5	6757.5	43.4708 ug/L	43.4708 ug/L	12:54:58
2	Mo 202.031†	208.7	111.8	12.7967 ug/L	12.7967 ug/L	12:55:18
2	Ni 231.604†	460.7	94.2	4.17991 ug/L	4.17991 ug/L	12:55:18
2	Pb 220.353†	39.9	6.4	0.532692 ug/L	0.532692 ug/L	12:55:18
2	Sb 217.584†	-45.7	6.4	-0.204062 ug/L	-0.204062 ug/L	12:55:18
2	Se 196.026†	-45.4	-6.4	-8.73291 ug/L	-8.73291 ug/L	12:55:18
2	Si 251.611†	5519.4	5540.7	463.681 ug/L	463.681 ug/L	12:54:58
2	Sn 189.927†	-18.8	-26.7	-14.8546 ug/L	-14.8546 ug/L	12:55:18
2	Tl 190.801†	-60.5	-14.7	-17.5880 ug/L	-17.5880 ug/L	12:55:18
2	V 292.395†	-1245.8	31.5	0.470859 ug/L	0.470859 ug/L	12:55:18
2	Zn 206.200†	177.3	246.3	22.3432 ug/L	22.3432 ug/L	12:55:18

Mean Data: 1002004-09

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	198686.8	100.075	%	1.1247				1.12%
Y 360.076	268373.3	98.8678	%	0.90805				0.92%
Ag 328.068†	-22.7	-0.812751	ug/L	0.0524609	-0.812751	ug/L	0.0524609	6.45%
Al 396.153†	163.1	41.8104	ug/L	8.11994	41.8104	ug/L	8.11994	19.42%
As 188.979†	2.5	-2.34268	ug/L	0.238290	-2.34268	ug/L	0.238290	10.17%
B 249.677†	1349.3	66.0743	ug/L	1.49047	66.0743	ug/L	1.49047	2.26%
Ba 455.398†	77270.3	248.218	ug/L	0.0657	248.218	ug/L	0.0657	0.03%
Be 234.861†	-37.1	-0.389249	ug/L	0.0045998	-0.389249	ug/L	0.0045998	1.18%
Ca 315.887†	25995.8	16.7770	mg/L	0.06602	16.7770	mg/L	0.06602	0.39%
Cd 214.437†	21.7	-1.85812	ug/L	0.293452	-1.85812	ug/L	0.293452	15.79%
Ce 413.764†	-18.2	-0.486778	ug/L	0.6443244	-0.486778	ug/L	0.6443244	132.37%
Co 228.616†	0.8	-2.21276	ug/L	0.253208	-2.21276	ug/L	0.253208	11.44%
Cr 205.557†	7.0	-1.58512	ug/L	0.939351	-1.58512	ug/L	0.939351	59.26%
Cu 327.397†	-14.0	-1.67576	ug/L	0.692571	-1.67576	ug/L	0.692571	41.33%
Fe 238.204†	46.4	16.9577	ug/L	1.32835	16.9577	ug/L	1.32835	7.83%
K 766.490	276.2	0.352882	mg/L	0.0477246	0.352882	mg/L	0.0477246	13.52%
Li 670.784†	-7.6	0.0149670	ug/L	0.12849514	0.0149670	ug/L	0.12849514	858.53%
Mg 279.071†	816.4	1.67732	mg/L	0.015876	1.67732	mg/L	0.015876	0.95%
Mn 257.610†	6780.1	43.6241	ug/L	0.21684	43.6241	ug/L	0.21684	0.50%
Mo 202.031†	115.1	13.1916	ug/L	0.55849	13.1916	ug/L	0.55849	4.23%
Na 589.592†	21888.2	3.15727	mg/L	0.002847	3.15727	mg/L	0.002847	0.09%
Ni 231.604†	93.3	4.11202	ug/L	0.096006	4.11202	ug/L	0.096006	2.33%
Pb 220.353†	7.3	1.09548	ug/L	0.795901	1.09548	ug/L	0.795901	72.65%
Sb 217.584†	5.2	-1.05122	ug/L	1.198067	-1.05122	ug/L	1.198067	113.97%
Se 196.026†	-11.3	-19.0149	ug/L	14.54089	-19.0149	ug/L	14.54089	76.47%
Si 251.611†	5552.2	464.678	ug/L	1.4104	464.678	ug/L	1.4104	0.30%
Sn 189.927†	-30.8	-16.7056	ug/L	2.61772	-16.7056	ug/L	2.61772	15.67%
Sr 407.771†	156060.7	187.571	ug/L	0.0307	187.571	ug/L	0.0307	0.02%
Ti 334.940†	0.8	1.92057	ug/L	0.131636	1.92057	ug/L	0.131636	6.85%
Tl 190.801†	-13.2	-15.7772	ug/L	2.56093	-15.7772	ug/L	2.56093	16.23%
V 292.395†	12.1	0.0807848	ug/L	0.55164873	0.0807848	ug/L	0.55164873	682.86%
Zn 206.200†	241.4	21.8405	ug/L	0.71096	21.8405	ug/L	0.71096	3.26%

==========

Sequence No.: 36
Sample ID: 1002004-10
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 36
Date Collected: 2/10/2010 12:56:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002004-10

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	199362.6	199362.6	100.415	%			12:57:38
1	Al 396.153†	1976.1	1781.8	530.434	ug/L	530.434	ug/L	12:57:58

1	Ba 455.398†	7156.4	7119.8	23.8703 ug/L	23.8703 ug/L	12:57:38
1	Ca 315.887†	18864.2	18666.3	12.0437 mg/L	12.0437 mg/L	12:57:38
1	Fe 238.204†	1275.8	1243.5	508.578 ug/L	508.578 ug/L	12:57:58
1	K 766.490	220.9	132.8	0.162388 mg/L	0.162388 mg/L	12:57:58
1	Li 670.784†	84.9	17.7	0.708960 ug/L	0.708960 ug/L	12:57:58
1	Mg 279.071†	435.4	421.7	0.861947 mg/L	0.861947 mg/L	12:57:58
1	Na 589.592†	22441.8	21627.6	3.11982 mg/L	3.11982 mg/L	12:57:38
1	Sr 407.771†	38654.8	38249.9	46.6851 ug/L	46.6851 ug/L	12:57:38
1	Ti 334.940†	187.0	211.3	15.3111 ug/L	15.3111 ug/L	12:57:58
1	Y 360.076	269161.7	269161.7	99.1582 %		12:58:29
1	Ag 328.068†	78.5	-27.9	-0.885806 ug/L	-0.885806 ug/L	12:58:49
1	As 188.979†	-27.3	1.8	-3.34130 ug/L	-3.34130 ug/L	12:58:49
1	B 249.677†	929.6	592.1	25.8040 ug/L	25.8040 ug/L	12:58:49
1	Be 234.861†	-846.4	19.7	-0.292099 ug/L	-0.292099 ug/L	12:58:49
1	Cd 214.437†	492.3	31.1	-1.62055 ug/L	-1.62055 ug/L	12:58:49
1	Ce 413.764†	801.3	-52.7	-1.41150 ug/L	-1.41150 ug/L	12:58:29
1	Co 228.616†	-94.4	-3.3	-2.89752 ug/L	-2.89752 ug/L	12:58:49
1	Cr 205.557†	-20.1	12.5	-1.09225 ug/L	-1.09225 ug/L	12:58:49
1	Cu 327.397†	187.4	177.9	3.79054 ug/L	3.79054 ug/L	12:58:29
1	Mn 257.610†	2634.7	2206.7	12.6277 ug/L	12.6277 ug/L	12:58:49
1	Mo 202.031†	139.7	43.0	4.41780 ug/L	4.41780 ug/L	12:58:49
1	Ni 231.604†	399.5	34.2	-0.581353 ug/L	-0.581353 ug/L	12:58:49
1	Pb 220.353†	57.7	24.5	11.1485 ug/L	11.1485 ug/L	12:58:49
1	Sb 217.584†	-54.9	-3.1	-5.55216 ug/L	-5.55216 ug/L	12:58:49
1	Se 196.026†	-46.4	-7.7	-10.7553 ug/L	-10.7553 ug/L	12:58:49
1	Si 251.611†	23755.7	23951.4	2055.85 ug/L	2055.85 ug/L	12:58:29
1	Sn 189.927†	-19.0	-26.9	-16.0110 ug/L	-16.0110 ug/L	12:58:49
1	Tl 190.801†	-59.2	-13.6	-16.1293 ug/L	-16.1293 ug/L	12:58:49
1	V 292.395†	-1204.9	68.2	1.02911 ug/L	1.02911 ug/L	12:58:49
1	Zn 206.200†	62.7	131.4	10.6324 ug/L	10.6324 ug/L	12:58:49
2	Sc 357.234	198472.8	198472.8	99.9671 %		12:58:03
2	Al 396.153†	1978.4	1792.9	533.845 ug/L	533.845 ug/L	12:58:23
2	Ba 455.398†	7217.8	7213.1	24.1687 ug/L	24.1687 ug/L	12:58:03
2	Ca 315.887†	18973.0	18859.4	12.1684 mg/L	12.1684 mg/L	12:58:03
2	Fe 238.204†	1290.1	1263.5	516.773 ug/L	516.773 ug/L	12:58:23
2	K 766.490	231.1	143.0	0.175881 mg/L	0.175881 mg/L	12:58:23
2	Li 670.784†	112.7	46.0	1.48021 ug/L	1.48021 ug/L	12:58:23
2	Mg 279.071†	434.7	423.1	0.864656 mg/L	0.864656 mg/L	12:58:23
2	Na 589.592†	22593.3	21879.3	3.15599 mg/L	3.15599 mg/L	12:58:03
2	Sr 407.771†	38855.0	38622.8	47.1310 ug/L	47.1310 ug/L	12:58:03
2	Ti 334.940†	177.7	202.9	14.7740 ug/L	14.7740 ug/L	12:58:23
2	Y 360.076	268119.5	268119.5	98.7743 %		12:58:54
2	Ag 328.068†	63.1	-43.2	-1.10433 ug/L	-1.10433 ug/L	12:59:14
2	As 188.979†	-26.2	2.8	-1.95854 ug/L	-1.95854 ug/L	12:59:14
2	B 249.677†	944.5	610.8	26.8034 ug/L	26.8034 ug/L	12:59:14
2	Be 234.861†	-845.2	17.6	-0.304729 ug/L	-0.304729 ug/L	12:59:14
2	Cd 214.437†	496.2	37.1	-1.39923 ug/L	-1.39923 ug/L	12:59:14
2	Ce 413.764†	876.9	27.0	0.714719 ug/L	0.714719 ug/L	12:58:54
2	Co 228.616†	-93.1	-2.4	-2.75601 ug/L	-2.75601 ug/L	12:59:14
2	Cr 205.557†	-4.7	28.1	0.200877 ug/L	0.200877 ug/L	12:59:14
2	Cu 327.397†	212.9	204.5	4.54763 ug/L	4.54763 ug/L	12:58:54
2	Mn 257.610†	2642.3	2224.8	12.7504 ug/L	12.7504 ug/L	12:59:14
2	Mo 202.031†	137.6	41.3	4.21851 ug/L	4.21851 ug/L	12:59:14
2	Ni 231.604†	409.9	46.2	0.372209 ug/L	0.372209 ug/L	12:59:14
2	Pb 220.353†	59.4	26.4	12.2960 ug/L	12.2960 ug/L	12:59:14
2	Sb 217.584†	-47.1	4.6	-0.0135339 ug/L	-0.0135339 ug/L	12:59:14
2	Se 196.026†	-43.0	-4.4	-3.79063 ug/L	-3.79063 ug/L	12:59:14
2	Si 251.611†	23800.8	24090.2	2067.88 ug/L	2067.88 ug/L	12:58:54
2	Sn 189.927†	-18.7	-26.7	-15.8745 ug/L	-15.8745 ug/L	12:59:14
2	Tl 190.801†	-59.2	-13.8	-16.3603 ug/L	-16.3603 ug/L	12:59:14
2	V 292.395†	-1198.5	70.1	1.06235 ug/L	1.06235 ug/L	12:59:14
2	Zn 206.200†	76.2	145.3	12.0473 ug/L	12.0473 ug/L	12:59:14

Mean Data: 1002004-10

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 357.234	198917.7	100.191	%	0.3169				0.32%
Y 360.076	268640.6	98.9662	%	0.27147				0.27%
Ag 328.068†	-35.5	-0.995068	ug/L	0.1545200	-0.995068	ug/L	0.1545200	15.53%
Al 396.153†	1787.4	532.139	ug/L	2.4116	532.139	ug/L	2.4116	0.45%

As 188.979†	2.3	-2.64992	ug/L	0.977758	-2.64992	ug/L	0.977758	36.90%
B 249.677†	601.4	26.3037	ug/L	0.70672	26.3037	ug/L	0.70672	2.69%
Ba 455.398†	7166.4	24.0195	ug/L	0.21097	24.0195	ug/L	0.21097	0.88%
Be 234.861†	18.7	-0.298414	ug/L	0.0089307	-0.298414	ug/L	0.0089307	2.99%
Ca 315.887†	18762.9	12.1060	mg/L	0.08818	12.1060	mg/L	0.08818	0.73%
Cd 214.437†	34.1	-1.50989	ug/L	0.156494	-1.50989	ug/L	0.156494	10.36%
Ce 413.764†	-12.9	-0.348391	ug/L	1.5034636	-0.348391	ug/L	1.5034636	431.55%
Co 228.616†	-2.9	-2.82677	ug/L	0.100061	-2.82677	ug/L	0.100061	3.54%
Cr 205.557†	20.3	-0.445687	ug/L	0.9143801	-0.445687	ug/L	0.9143801	205.16%
Cu 327.397†	191.2	4.16909	ug/L	0.535339	4.16909	ug/L	0.535339	12.84%
Fe 238.204†	1253.5	512.675	ug/L	5.7951	512.675	ug/L	5.7951	1.13%
K 766.490	137.9	0.169135	mg/L	0.0095411	0.169135	mg/L	0.0095411	5.64%
Li 670.784†	31.9	1.09458	ug/L	0.545353	1.09458	ug/L	0.545353	49.82%
Mg 279.071†	422.4	0.863301	mg/L	0.0019154	0.863301	mg/L	0.0019154	0.22%
Mn 257.610†	2215.8	12.6890	ug/L	0.08676	12.6890	ug/L	0.08676	0.68%
Mo 202.031†	42.1	4.31816	ug/L	0.140921	4.31816	ug/L	0.140921	3.26%
Na 589.592†	21753.5	3.13790	mg/L	0.025580	3.13790	mg/L	0.025580	0.82%
Ni 231.604†	40.2	-0.104572	ug/L	0.6742697	-0.104572	ug/L	0.6742697	644.79%
Pb 220.353†	25.4	11.7223	ug/L	0.81142	11.7223	ug/L	0.81142	6.92%
Sb 217.584†	0.7	-2.78285	ug/L	3.916402	-2.78285	ug/L	3.916402	140.73%
Se 196.026†	-6.0	-7.27298	ug/L	4.924784	-7.27298	ug/L	4.924784	67.71%
Si 251.611†	24020.8	2061.87	ug/L	8.504	2061.87	ug/L	8.504	0.41%
Sn 189.927†	-26.8	-15.9428	ug/L	0.09654	-15.9428	ug/L	0.09654	0.61%
Sr 407.771†	38436.3	46.9080	ug/L	0.31531	46.9080	ug/L	0.31531	0.67%
Ti 334.940†	207.1	15.0425	ug/L	0.37977	15.0425	ug/L	0.37977	2.52%
Tl 190.801†	-13.7	-16.2448	ug/L	0.16333	-16.2448	ug/L	0.16333	1.01%
V 292.395†	69.2	1.04573	ug/L	0.023506	1.04573	ug/L	0.023506	2.25%
Zn 206.200†	138.3	11.3399	ug/L	1.00052	11.3399	ug/L	1.00052	8.82%

Sequence No.: 37
Sample ID: 0B10018-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 2/10/2010 1:00:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B10018-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	200883.7	200883.7	101.181	%			13:01:37
1	Al 396.153†	8646.4	8359.3	2508.77	ug/L	2508.77	ug/L	13:01:37
1	Ba 455.398†	158493.6	156636.0	502.037	ug/L	502.037	ug/L	13:01:37
1	Ca 315.887†	7929.5	7717.0	4.97268	mg/L	4.97268	mg/L	13:01:57
1	Fe 238.204†	1255.1	1213.5	495.622	ug/L	495.622	ug/L	13:01:57
1	K 766.490	3901.5	3813.4	5.05179	mg/L	5.05179	mg/L	13:01:57
1	Li 670.784†	18592.1	18308.3	500.490	ug/L	500.490	ug/L	13:01:37
1	Mg 279.071†	2479.8	2439.0	5.03023	mg/L	5.03023	mg/L	13:01:57
1	Na 589.592†	36033.5	34891.4	5.02562	mg/L	5.02562	mg/L	13:01:37
1	Sr 407.771†	423753.7	418560.9	501.485	ug/L	501.485	ug/L	13:01:37
1	Ti 334.940†	7823.3	7757.1	495.234	ug/L	495.234	ug/L	13:01:57
1	Y 360.076	269496.0	269496.0	99.2814	%			13:02:28
1	Ag 328.068†	33582.5	33718.5	508.843	ug/L	508.843	ug/L	13:02:28
1	As 188.979†	1716.1	1757.9	2513.08	ug/L	2513.08	ug/L	13:02:49
1	B 249.677†	9668.5	9393.1	493.043	ug/L	493.043	ug/L	13:02:28
1	Be 234.861†	9926.4	10871.5	50.4724	ug/L	50.4724	ug/L	13:02:49
1	Cd 214.437†	13858.9	13493.9	504.142	ug/L	504.142	ug/L	13:02:49
1	Ce 413.764†	818.5	-36.3	-1.05772	ug/L	-1.05772	ug/L	13:02:28
1	Co 228.616†	3214.1	3329.3	506.100	ug/L	506.100	ug/L	13:02:49
1	Cr 205.557†	6056.2	6132.9	508.322	ug/L	508.322	ug/L	13:02:49
1	Cu 327.397†	17832.6	17950.6	509.672	ug/L	509.672	ug/L	13:02:28
1	Mn 257.610†	75115.5	75208.9	507.702	ug/L	507.702	ug/L	13:02:28
1	Mo 202.031†	4225.4	4158.0	505.097	ug/L	505.097	ug/L	13:02:49
1	Ni 231.604†	6790.5	6470.9	508.787	ug/L	508.787	ug/L	13:02:49
1	Pb 220.353†	903.7	876.5	510.190	ug/L	510.190	ug/L	13:02:49
1	Sb 217.584†	3447.4	3524.6	2528.50	ug/L	2528.50	ug/L	13:02:49
1	Se 196.026†	1141.7	1189.1	2545.73	ug/L	2545.73	ug/L	13:02:49
1	Si 251.611†	29307.5	29513.7	2524.38	ug/L	2524.38	ug/L	13:02:28
1	Sn 189.927†	5632.5	5665.6	2532.82	ug/L	2532.82	ug/L	13:02:49
1	Tl 190.801†	2041.5	2102.4	2537.44	ug/L	2537.44	ug/L	13:02:49
1	V 292.395†	23523.8	24977.5	511.707	ug/L	511.707	ug/L	13:02:28

1	Zn 206.200†	4900.6	5004.2	506.048 ug/L	506.048 ug/L	13:02:49
2	Sc 357.234	199215.2	199215.2	100.341 %		13:02:02
2	Al 396.153†	8565.4	8350.1	2505.90 ug/L	2505.90 ug/L	13:02:02
2	Ba 455.398†	157517.9	156975.5	503.123 ug/L	503.123 ug/L	13:02:02
2	Ca 315.887†	7938.4	7791.6	5.02085 mg/L	5.02085 mg/L	13:02:22
2	Fe 238.204†	1251.8	1220.6	498.527 ug/L	498.527 ug/L	13:02:22
2	K 766.490	3914.6	3826.5	5.06922 mg/L	5.06922 mg/L	13:02:22
2	Li 670.784†	18511.8	18382.1	502.507 ug/L	502.507 ug/L	13:02:02
2	Mg 279.071†	2479.3	2459.0	5.07151 mg/L	5.07151 mg/L	13:02:22
2	Na 589.592†	35757.7	34914.8	5.02899 mg/L	5.02899 mg/L	13:02:02
2	Sr 407.771†	421269.9	419593.3	502.719 ug/L	502.719 ug/L	13:02:02
2	Ti 334.940†	7849.1	7847.5	500.985 ug/L	500.985 ug/L	13:02:22
2	Y 360.076	268333.1	268333.1	98.8529 %		13:02:54
2	Ag 328.068†	33789.4	34074.4	514.224 ug/L	514.224 ug/L	13:02:54
2	As 188.979†	1739.2	1788.7	2557.24 ug/L	2557.24 ug/L	13:03:14
2	B 249.677†	9756.1	9523.9	499.993 ug/L	499.993 ug/L	13:02:54
2	Be 234.861†	9963.5	10952.4	50.8499 ug/L	50.8499 ug/L	13:03:14
2	Cd 214.437†	13952.1	13648.7	509.957 ug/L	509.957 ug/L	13:03:14
2	Ce 413.764†	846.9	-4.0	-0.196745 ug/L	-0.196745 ug/L	13:02:54
2	Co 228.616†	3232.0	3361.3	510.994 ug/L	510.994 ug/L	13:03:14
2	Cr 205.557†	6086.3	6189.7	513.048 ug/L	513.048 ug/L	13:03:14
2	Cu 327.397†	17976.6	18174.1	516.033 ug/L	516.033 ug/L	13:02:54
2	Mn 257.610†	75573.3	75999.9	513.066 ug/L	513.066 ug/L	13:02:54
2	Mo 202.031†	4251.5	4202.9	510.564 ug/L	510.564 ug/L	13:03:14
2	Ni 231.604†	6847.2	6557.9	515.671 ug/L	515.671 ug/L	13:03:14
2	Pb 220.353†	920.7	897.6	522.602 ug/L	522.602 ug/L	13:03:14
2	Sb 217.584†	3481.3	3574.0	2563.97 ug/L	2563.97 ug/L	13:03:14
2	Se 196.026†	1139.4	1191.7	2551.30 ug/L	2551.30 ug/L	13:03:14
2	Si 251.611†	29482.5	29818.7	2550.61 ug/L	2550.61 ug/L	13:02:54
2	Sn 189.927†	5657.6	5715.5	2555.20 ug/L	2555.20 ug/L	13:03:14
2	Tl 190.801†	2056.8	2126.8	2566.92 ug/L	2566.92 ug/L	13:03:14
2	V 292.395†	23748.4	25307.4	518.458 ug/L	518.458 ug/L	13:02:54
2	Zn 206.200†	4925.8	5051.1	510.816 ug/L	510.816 ug/L	13:03:14

Mean Data: 0B10018-CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	200049.4	100.761	%	0.5942				0.59%
Y 360.076	268914.5	99.0672	%	0.30294				0.31%
Ag 328.068†	33896.5	511.534	ug/L	3.8052	511.534	ug/L	3.8052	0.74%
QC value within limits for Ag 328.068 Recovery = 102.31%								
Al 396.153†	8354.7	2507.33	ug/L	2.033	2507.33	ug/L	2.033	0.08%
QC value within limits for Al 396.153 Recovery = 100.29%								
As 188.979†	1773.3	2535.16	ug/L	31.226	2535.16	ug/L	31.226	1.23%
QC value within limits for As 188.979 Recovery = 101.41%								
B 249.677†	9458.5	496.518	ug/L	4.9144	496.518	ug/L	4.9144	0.99%
QC value within limits for B 249.677 Recovery = 99.30%								
Ba 455.398†	156805.7	502.580	ug/L	0.7678	502.580	ug/L	0.7678	0.15%
QC value within limits for Ba 455.398 Recovery = 100.52%								
Be 234.861†	10912.0	50.6612	ug/L	0.26695	50.6612	ug/L	0.26695	0.53%
QC value within limits for Be 234.861 Recovery = 101.32%								
Ca 315.887†	7754.3	4.99676	mg/L	0.034062	4.99676	mg/L	0.034062	0.68%
QC value within limits for Ca 315.887 Recovery = 99.94%								
Cd 214.437†	13571.3	507.049	ug/L	4.1118	507.049	ug/L	4.1118	0.81%
QC value within limits for Cd 214.437 Recovery = 101.41%								
Ce 413.764†	-20.2	-0.627231	ug/L	0.6087992	-0.627231	ug/L	0.6087992	97.06%
Co 228.616†	3345.3	508.547	ug/L	3.4599	508.547	ug/L	3.4599	0.68%
QC value within limits for Co 228.616 Recovery = 101.71%								
Cr 205.557†	6161.3	510.685	ug/L	3.3420	510.685	ug/L	3.3420	0.65%
QC value within limits for Cr 205.557 Recovery = 102.14%								
Cu 327.397†	18062.4	512.853	ug/L	4.4980	512.853	ug/L	4.4980	0.88%
QC value within limits for Cu 327.397 Recovery = 102.57%								
Fe 238.204†	1217.0	497.075	ug/L	2.0543	497.075	ug/L	2.0543	0.41%
QC value within limits for Fe 238.204 Recovery = 99.41%								
K 766.490	3819.9	5.06051	mg/L	0.012329	5.06051	mg/L	0.012329	0.24%
QC value within limits for K 766.490 Recovery = 101.21%								
Li 670.784†	18345.2	501.499	ug/L	1.4261	501.499	ug/L	1.4261	0.28%
QC value within limits for Li 670.784 Recovery = 100.30%								
Mg 279.071†	2449.0	5.05087	mg/L	0.029190	5.05087	mg/L	0.029190	0.58%
QC value within limits for Mg 279.071 Recovery = 101.02%								

Mn 257.610†	75604.4	510.384 ug/L	3.7930	510.384 ug/L	3.7930	0.74%
QC value within limits for Mn 257.610 Recovery = 102.08%						
Mo 202.031†	4180.5	507.830 ug/L	3.8662	507.830 ug/L	3.8662	0.76%
QC value within limits for Mo 202.031 Recovery = 101.57%						
Na 589.592†	34903.1	5.02730 mg/L	0.002380	5.02730 mg/L	0.002380	0.05%
QC value within limits for Na 589.592 Recovery = 100.55%						
Ni 231.604†	6514.4	512.229 ug/L	4.8676	512.229 ug/L	4.8676	0.95%
QC value within limits for Ni 231.604 Recovery = 102.45%						
Pb 220.353†	887.0	516.396 ug/L	8.7763	516.396 ug/L	8.7763	1.70%
QC value within limits for Pb 220.353 Recovery = 103.28%						
Sb 217.584†	3549.3	2546.24 ug/L	25.076	2546.24 ug/L	25.076	0.98%
QC value within limits for Sb 217.584 Recovery = 101.85%						
Se 196.026†	1190.4	2548.52 ug/L	3.938	2548.52 ug/L	3.938	0.15%
QC value within limits for Se 196.026 Recovery = 101.94%						
Si 251.611†	29666.2	2537.50 ug/L	18.546	2537.50 ug/L	18.546	0.73%
QC value within limits for Si 251.611 Recovery = 101.50%						
Sn 189.927†	5690.6	2544.01 ug/L	15.829	2544.01 ug/L	15.829	0.62%
QC value within limits for Sn 189.927 Recovery = 101.76%						
Sr 407.771†	419077.1	502.102 ug/L	0.8730	502.102 ug/L	0.8730	0.17%
QC value within limits for Sr 407.771 Recovery = 100.42%						
Ti 334.940†	7802.3	498.109 ug/L	4.0667	498.109 ug/L	4.0667	0.82%
QC value within limits for Ti 334.940 Recovery = 99.62%						
Tl 190.801†	2114.6	2552.18 ug/L	20.847	2552.18 ug/L	20.847	0.82%
QC value within limits for Tl 190.801 Recovery = 102.09%						
V 292.395†	25142.5	515.082 ug/L	4.7736	515.082 ug/L	4.7736	0.93%
QC value within limits for V 292.395 Recovery = 103.02%						
Zn 206.200†	5027.6	508.432 ug/L	3.3710	508.432 ug/L	3.3710	0.66%
QC value within limits for Zn 206.200 Recovery = 101.69%						

All analyte(s) passed QC.

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Sequence No.: 38 **Autosampler Location: 1**
Sample ID: 0B10018-CCB **Date Collected: 2/10/2010 1:04:30 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0B10018-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	200003.4	200003.4	100.738	%			13:05:35
1	Al 396.153†	210.5	22.8	-4.16495	ug/L	-4.16495	ug/L	13:05:35
1	Ba 455.398†	28.5	21.2	1.16842	ug/L	1.16842	ug/L	13:05:35
1	Ca 315.887†	126.5	5.7	-0.0072422	mg/L	-0.0072422	mg/L	13:05:55
1	Fe 238.204†	36.2	8.9	1.71005	ug/L	1.71005	ug/L	13:05:55
1	K 766.490	132.8	44.7	0.0452700	mg/L	0.0452700	mg/L	13:05:35
1	Li 670.784†	78.2	10.9	0.520689	ug/L	0.520689	ug/L	13:05:35
1	Mg 279.071†	19.1	7.2	0.0052878	mg/L	0.0052878	mg/L	13:05:55
1	Na 589.592†	713.8	-12.9	0.0104165	mg/L	0.0104165	mg/L	13:05:35
1	Sr 407.771†	187.1	-59.3	0.872551	ug/L	0.872551	ug/L	13:05:35
1	Ti 334.940†	-37.0	-11.6	1.13281	ug/L	1.13281	ug/L	13:05:55
1	Y 360.076	274094.6	274094.6	100.975	%			13:06:26
1	Ag 328.068†	115.0	6.8	-0.562798	ug/L	-0.562798	ug/L	13:06:46
1	As 188.979†	-39.4	-9.7	-19.7497	ug/L	-19.7497	ug/L	13:06:46
1	B 249.677†	446.4	96.6	-0.633508	ug/L	-0.633508	ug/L	13:06:46
1	Be 234.861†	-861.3	20.3	-0.115476	ug/L	-0.115476	ug/L	13:06:46
1	Cd 214.437†	463.5	-6.3	-2.89631	ug/L	-2.89631	ug/L	13:06:46
1	Ce 413.764†	837.2	-31.6	-0.843859	ug/L	-0.843859	ug/L	13:06:26
1	Co 228.616†	-82.4	10.3	-0.766237	ug/L	-0.766237	ug/L	13:06:46
1	Cr 205.557†	-33.6	-0.4	-2.20333	ug/L	-2.20333	ug/L	13:06:46
1	Cu 327.397†	-9.1	-20.1	-1.85129	ug/L	-1.85129	ug/L	13:06:26
1	Mn 257.610†	294.2	-158.9	-3.43445	ug/L	-3.43445	ug/L	13:06:46
1	Mo 202.031†	97.4	-1.5	-0.987877	ug/L	-0.987877	ug/L	13:06:46
1	Ni 231.604†	375.2	2.8	-3.07866	ug/L	-3.07866	ug/L	13:06:46
1	Pb 220.353†	38.0	3.8	-0.955559	ug/L	-0.955559	ug/L	13:06:46
1	Sb 217.584†	-43.4	9.4	1.85266	ug/L	1.85266	ug/L	13:06:46
1	Se 196.026†	-41.6	-2.0	0.655156	ug/L	0.655156	ug/L	13:06:46
1	Si 251.611†	28.6	22.4	-13.6014	ug/L	-13.6014	ug/L	13:06:46
1	Sn 189.927†	14.3	6.4	-3.69934	ug/L	-3.69934	ug/L	13:06:46
1	Tl 190.801†	-44.8	1.8	2.24472	ug/L	2.24472	ug/L	13:06:46

1	V 292.395†	-1299.9	-3.9	-0.391994 ug/L	-0.391994 ug/L	13:06:46
1	Zn 206.200†	-62.3	6.4	-2.00623 ug/L	-2.00623 ug/L	13:06:46
2	Sc 357.234	198889.8	198889.8	100.177 %		13:06:00
2	Al 396.153†	181.0	-5.4	-12.7258 ug/L	-12.7258 ug/L	13:06:00
2	Ba 455.398†	16.3	9.2	1.12993 ug/L	1.12993 ug/L	13:06:00
2	Ca 315.887†	106.1	-13.9	-0.0199230 mg/L	-0.0199230 mg/L	13:06:20
2	Fe 238.204†	33.0	5.9	0.475574 ug/L	0.475574 ug/L	13:06:20
2	K 766.490	53.1	-35.0	-0.0605849 mg/L	-0.0605849 mg/L	13:06:00
2	Li 670.784†	80.2	13.3	0.587695 ug/L	0.587695 ug/L	13:06:00
2	Mg 279.071†	24.7	12.8	0.0169557 mg/L	0.0169557 mg/L	13:06:20
2	Na 589.592†	673.6	-49.0	0.0052246 mg/L	0.0052246 mg/L	13:06:00
2	Sr 407.771†	160.1	-85.2	0.841602 ug/L	0.841602 ug/L	13:06:00
2	Ti 334.940†	-24.0	1.1	1.94045 ug/L	1.94045 ug/L	13:06:20
2	Y 360.076	272117.4	272117.4	100.247 %		13:06:52
2	Ag 328.068†	139.8	32.4	-0.165972 ug/L	-0.165972 ug/L	13:07:12
2	As 188.979†	-25.6	3.8	-0.492429 ug/L	-0.492429 ug/L	13:07:12
2	B 249.677†	422.9	76.5	-1.70408 ug/L	-1.70408 ug/L	13:07:12
2	Be 234.861†	-868.4	7.0	-0.176975 ug/L	-0.176975 ug/L	13:07:12
2	Cd 214.437†	470.6	4.1	-2.50545 ug/L	-2.50545 ug/L	13:07:12
2	Ce 413.764†	916.2	53.2	1.41762 ug/L	1.41762 ug/L	13:06:52
2	Co 228.616†	-90.7	1.4	-2.13093 ug/L	-2.13093 ug/L	13:07:12
2	Cr 205.557†	-39.0	-6.1	-2.67436 ug/L	-2.67436 ug/L	13:07:12
2	Cu 327.397†	3.2	-7.9	-1.50328 ug/L	-1.50328 ug/L	13:06:52
2	Mn 257.610†	304.7	-146.3	-3.34921 ug/L	-3.34921 ug/L	13:07:12
2	Mo 202.031†	101.4	3.3	-0.414231 ug/L	-0.414231 ug/L	13:07:12
2	Ni 231.604†	375.7	6.0	-2.81968 ug/L	-2.81968 ug/L	13:07:12
2	Pb 220.353†	34.1	0.3	-3.02500 ug/L	-3.02500 ug/L	13:07:12
2	Sb 217.584†	-44.8	7.6	0.565520 ug/L	0.565520 ug/L	13:07:12
2	Se 196.026†	-40.3	-1.0	2.81321 ug/L	2.81321 ug/L	13:07:12
2	Si 251.611†	29.2	23.2	-13.5536 ug/L	-13.5536 ug/L	13:07:12
2	Sn 189.927†	6.8	-0.9	-6.99609 ug/L	-6.99609 ug/L	13:07:12
2	Tl 190.801†	-53.7	-7.4	-8.85244 ug/L	-8.85244 ug/L	13:07:12
2	V 292.395†	-1261.3	25.3	0.206512 ug/L	0.206512 ug/L	13:07:12
2	Zn 206.200†	-78.7	-10.4	-3.72024 ug/L	-3.72024 ug/L	13:07:12

Mean Data: 0B10018-CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	199446.6	100.458	%	0.3966				0.39%
Y 360.076	273106.0	100.611	%	0.5151				0.51%
Ag 328.068†	19.6	-0.364385	ug/L	0.2805988	-0.364385	ug/L	0.2805988	77.01%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	8.7	-8.44539	ug/L	6.053456	-8.44539	ug/L	6.053456	71.68%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-2.9	-10.1211	ug/L	13.61698	-10.1211	ug/L	13.61698	134.54%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	86.5	-1.16879	ug/L	0.757007	-1.16879	ug/L	0.757007	64.77%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	15.2	1.14917	ug/L	0.027215	1.14917	ug/L	0.027215	2.37%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	13.6	-0.146226	ug/L	0.0434866	-0.146226	ug/L	0.0434866	29.74%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	-4.1	-0.0135826	mg/L	0.00896662	-0.0135826	mg/L	0.00896662	66.02%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	-1.1	-2.70088	ug/L	0.276385	-2.70088	ug/L	0.276385	10.23%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	10.8	0.286881	ug/L	1.5991074	0.286881	ug/L	1.5991074	557.41%
Co 228.616†	5.8	-1.44858	ug/L	0.964983	-1.44858	ug/L	0.964983	66.62%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	-3.3	-2.43884	ug/L	0.333068	-2.43884	ug/L	0.333068	13.66%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	-14.0	-1.67729	ug/L	0.246075	-1.67729	ug/L	0.246075	14.67%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	7.4	1.09281	ug/L	0.872906	1.09281	ug/L	0.872906	79.88%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	4.8	-0.0076574	mg/L	0.07485075	-0.0076574	mg/L	0.07485075	977.49%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	12.1	0.554192	ug/L	0.0473802	0.554192	ug/L	0.0473802	8.55%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	10.0	0.0111217	mg/L	0.00825048	0.0111217	mg/L	0.00825048	74.18%

QC value within limits for Mg 279.071 Recovery = Not calculated

Mn 257.610†		-152.6	-3.39183 ug/L	0.060273	-3.39183 ug/L	0.060273	1.78%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†		0.9	-0.701054 ug/L	0.4056287	-0.701054 ug/L	0.4056287	57.86%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†		-30.9	0.0078206 mg/L	0.00367124	0.0078206 mg/L	0.00367124	46.94%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†		4.4	-2.94917 ug/L	0.183122	-2.94917 ug/L	0.183122	6.21%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†		2.1	-1.99028 ug/L	1.463313	-1.99028 ug/L	1.463313	73.52%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†		8.5	1.20909 ug/L	0.910147	1.20909 ug/L	0.910147	75.28%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†		-1.5	1.73418 ug/L	1.525973	1.73418 ug/L	1.525973	87.99%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†		22.8	-13.5775 ug/L	0.03377	-13.5775 ug/L	0.03377	0.25%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†		2.8	-5.34772 ug/L	2.331155	-5.34772 ug/L	2.331155	43.59%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†		-72.2	0.857077 ug/L	0.0218840	0.857077 ug/L	0.0218840	2.55%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†		-5.3	1.53663 ug/L	0.571088	1.53663 ug/L	0.571088	37.17%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†		-2.8	-3.30386 ug/L	7.846881	-3.30386 ug/L	7.846881	237.51%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†		10.7	-0.0927410 ug/L	0.42320712	-0.0927410 ug/L	0.42320712	456.33%
QC value within limits for V 292.395 Recovery = Not calculated								
Zn 206.200†		-2.0	-2.86324 ug/L	1.211990	-2.86324 ug/L	1.211990	42.33%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 39 **Autosampler Location: 37**
Sample ID: 1002004-11 **Date Collected: 2/10/2010 1:08:27 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1002004-11

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	196803.5	196803.5	99.1263	%			13:09:33
1	Al 396.153†	619.0	438.3	122.923	ug/L	122.923	ug/L	13:09:33
1	Ba 455.398†	1363.3	1368.2	5.47621	ug/L	5.47621	ug/L	13:09:33
1	Ca 315.887†	10321.1	10292.2	6.63569	mg/L	6.63569	mg/L	13:09:33
1	Fe 238.204†	62.2	35.7	12.5986	ug/L	12.5986	ug/L	13:09:53
1	K 766.490	223.6	135.5	0.165978	mg/L	0.165978	mg/L	13:09:33
1	Li 670.784†	60.6	-5.6	0.0702567	ug/L	0.0702567	ug/L	13:09:33
1	Mg 279.071†	991.6	988.6	2.03316	mg/L	2.03316	mg/L	13:09:53
1	Na 589.592†	16389.7	15812.8	2.28432	mg/L	2.28432	mg/L	13:09:33
1	Sr 407.771†	16783.7	16686.6	20.8983	ug/L	20.8983	ug/L	13:09:33
1	Ti 334.940†	-24.0	0.9	1.92840	ug/L	1.92840	ug/L	13:09:53
1	Y 360.076	271870.3	271870.3	100.156	%			13:10:25
1	Ag 328.068†	92.3	-14.9	-0.824881	ug/L	-0.824881	ug/L	13:10:45
1	As 188.979†	-27.7	1.7	-3.46968	ug/L	-3.46968	ug/L	13:10:45
1	B 249.677†	1165.3	818.0	37.7862	ug/L	37.7862	ug/L	13:10:45
1	Be 234.861†	-914.4	-39.7	-0.400626	ug/L	-0.400626	ug/L	13:10:45
1	Cd 214.437†	494.9	28.8	-1.59086	ug/L	-1.59086	ug/L	13:10:45
1	Ce 413.764†	743.8	-118.1	-3.15121	ug/L	-3.15121	ug/L	13:10:25
1	Co 228.616†	-92.8	-0.8	-2.45610	ug/L	-2.45610	ug/L	13:10:45
1	Cr 205.557†	-30.7	2.1	-1.98967	ug/L	-1.98967	ug/L	13:10:45
1	Cu 327.397†	-17.1	-28.1	-2.07703	ug/L	-2.07703	ug/L	13:10:25
1	Mn 257.610†	374.5	-76.4	-2.87446	ug/L	-2.87446	ug/L	13:10:45
1	Mo 202.031†	126.7	28.5	2.66039	ug/L	2.66039	ug/L	13:10:45
1	Ni 231.604†	394.6	25.2	-1.29093	ug/L	-1.29093	ug/L	13:10:45
1	Pb 220.353†	42.3	8.5	1.78539	ug/L	1.78539	ug/L	13:10:45
1	Sb 217.584†	-53.2	-0.9	-5.45448	ug/L	-5.45448	ug/L	13:10:45
1	Se 196.026†	-59.1	-19.9	-37.4136	ug/L	-37.4136	ug/L	13:10:45
1	Si 251.611†	18365.6	18331.1	1569.96	ug/L	1569.96	ug/L	13:10:25
1	Sn 189.927†	-6.1	-13.8	-11.3008	ug/L	-11.3008	ug/L	13:10:45

1	Tl 190.801†	-58.8	-12.6	-15.0609 ug/L	-15.0609 ug/L	13:10:45
1	V 292.395†	-1236.6	48.7	0.713695 ug/L	0.713695 ug/L	13:10:45
1	Zn 206.200†	20.5	88.6	6.29293 ug/L	6.29293 ug/L	13:10:45
2	Sc 357.234	195919.8	195919.8	98.6812 %		13:09:59
2	Al 396.153†	623.6	445.9	125.231 ug/L	125.231 ug/L	13:09:59
2	Ba 455.398†	1333.3	1344.0	5.39900 ug/L	5.39900 ug/L	13:09:59
2	Ca 315.887†	10367.9	10386.6	6.69669 mg/L	6.69669 mg/L	13:09:59
2	Fe 238.204†	68.3	42.2	15.2441 ug/L	15.2441 ug/L	13:10:19
2	K 766.490	236.5	148.4	0.183091 mg/L	0.183091 mg/L	13:09:59
2	Li 670.784†	97.7	32.2	1.10438 ug/L	1.10438 ug/L	13:09:59
2	Mg 279.071†	980.1	981.4	2.01829 mg/L	2.01829 mg/L	13:10:19
2	Na 589.592†	16526.6	16026.1	2.31497 mg/L	2.31497 mg/L	13:09:59
2	Sr 407.771†	16876.2	16856.7	21.1018 ug/L	21.1018 ug/L	13:09:59
2	Ti 334.940†	-19.6	5.2	2.20319 ug/L	2.20319 ug/L	13:10:19
2	Y 360.076	268811.6	268811.6	99.0292 %		13:10:50
2	Ag 328.068†	49.1	-57.5	-1.45300 ug/L	-1.45300 ug/L	13:11:10
2	As 188.979†	-30.7	-1.6	-8.24720 ug/L	-8.24720 ug/L	13:11:10
2	B 249.677†	1167.5	833.6	38.6182 ug/L	38.6182 ug/L	13:11:10
2	Be 234.861†	-898.0	-33.5	-0.372467 ug/L	-0.372467 ug/L	13:11:10
2	Cd 214.437†	488.5	28.0	-1.62137 ug/L	-1.62137 ug/L	13:11:10
2	Ce 413.764†	838.7	-13.9	-0.370539 ug/L	-0.370539 ug/L	13:10:50
2	Co 228.616†	-102.7	-11.8	-4.14935 ug/L	-4.14935 ug/L	13:11:10
2	Cr 205.557†	-34.1	-1.6	-2.29937 ug/L	-2.29937 ug/L	13:11:10
2	Cu 327.397†	4.0	-7.0	-1.47742 ug/L	-1.47742 ug/L	13:10:50
2	Mn 257.610†	392.4	-54.1	-2.72319 ug/L	-2.72319 ug/L	13:11:10
2	Mo 202.031†	124.4	27.7	2.55888 ug/L	2.55888 ug/L	13:11:10
2	Ni 231.604†	389.5	24.5	-1.34694 ug/L	-1.34694 ug/L	13:11:10
2	Pb 220.353†	47.4	14.1	5.09967 ug/L	5.09967 ug/L	13:11:10
2	Sb 217.584†	-58.1	-6.4	-9.38673 ug/L	-9.38673 ug/L	13:11:10
2	Se 196.026†	-43.9	-5.2	-6.06312 ug/L	-6.06312 ug/L	13:11:10
2	Si 251.611†	18250.6	18423.6	1577.95 ug/L	1577.95 ug/L	13:10:50
2	Sn 189.927†	-8.3	-16.1	-12.3508 ug/L	-12.3508 ug/L	13:11:10
2	Tl 190.801†	-64.7	-19.2	-23.0162 ug/L	-23.0162 ug/L	13:11:10
2	V 292.395†	-1245.3	25.9	0.248591 ug/L	0.248591 ug/L	13:11:10
2	Zn 206.200†	17.2	85.5	5.97169 ug/L	5.97169 ug/L	13:11:10

Mean Data: 1002004-11

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	196361.6	98.9037	%	0.31473				0.32%
Y 360.076	270340.9	99.5926	%	0.79678				0.80%
Ag 328.068†	-36.2	-1.13894	ug/L	0.444147	-1.13894	ug/L	0.444147	39.00%
Al 396.153†	442.1	124.077	ug/L	1.6321	124.077	ug/L	1.6321	1.32%
As 188.979†	0.0	-5.85844	ug/L	3.378211	-5.85844	ug/L	3.378211	57.66%
B 249.677†	825.8	38.2022	ug/L	0.58831	38.2022	ug/L	0.58831	1.54%
Ba 455.398†	1356.1	5.43760	ug/L	0.054599	5.43760	ug/L	0.054599	1.00%
Be 234.861†	-36.6	-0.386547	ug/L	0.0199117	-0.386547	ug/L	0.0199117	5.15%
Ca 315.887†	10339.4	6.66619	mg/L	0.043132	6.66619	mg/L	0.043132	0.65%
Cd 214.437†	28.4	-1.60612	ug/L	0.021576	-1.60612	ug/L	0.021576	1.34%
Ce 413.764†	-66.0	-1.76087	ug/L	1.966230	-1.76087	ug/L	1.966230	111.66%
Co 228.616†	-6.3	-3.30273	ug/L	1.197308	-3.30273	ug/L	1.197308	36.25%
Cr 205.557†	0.3	-2.14452	ug/L	0.218990	-2.14452	ug/L	0.218990	10.21%
Cu 327.397†	-17.6	-1.77723	ug/L	0.423989	-1.77723	ug/L	0.423989	23.86%
Fe 238.204†	39.0	13.9213	ug/L	1.87061	13.9213	ug/L	1.87061	13.44%
K 766.490	142.0	0.174535	mg/L	0.0121010	0.174535	mg/L	0.0121010	6.93%
Li 670.784†	13.3	0.587316	ug/L	0.7312326	0.587316	ug/L	0.7312326	124.50%
Mg 279.071†	985.0	2.02572	mg/L	0.010514	2.02572	mg/L	0.010514	0.52%
Mn 257.610†	-65.3	-2.79882	ug/L	0.106964	-2.79882	ug/L	0.106964	3.82%
Mo 202.031†	28.1	2.60963	ug/L	0.071780	2.60963	ug/L	0.071780	2.75%
Na 589.592†	15919.4	2.29964	mg/L	0.021673	2.29964	mg/L	0.021673	0.94%
Ni 231.604†	24.9	-1.31893	ug/L	0.039601	-1.31893	ug/L	0.039601	3.00%
Pb 220.353†	11.3	3.44253	ug/L	2.343550	3.44253	ug/L	2.343550	68.08%
Sb 217.584†	-3.6	-7.42060	ug/L	2.780517	-7.42060	ug/L	2.780517	37.47%
Se 196.026†	-12.5	-21.7384	ug/L	22.16812	-21.7384	ug/L	22.16812	101.98%
Si 251.611†	18377.3	1573.95	ug/L	5.653	1573.95	ug/L	5.653	0.36%
Sn 189.927†	-15.0	-11.8258	ug/L	0.74249	-11.8258	ug/L	0.74249	6.28%
Sr 407.771†	16771.7	21.0001	ug/L	0.14387	21.0001	ug/L	0.14387	0.69%
Ti 334.940†	3.1	2.06580	ug/L	0.194311	2.06580	ug/L	0.194311	9.41%
Tl 190.801†	-15.9	-19.0385	ug/L	5.62524	-19.0385	ug/L	5.62524	29.55%
V 292.395†	37.3	0.481143	ug/L	0.3288779	0.481143	ug/L	0.3288779	68.35%

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Zn 206.200†	87.0	6.13231 ug/L	0.227152	6.13231 ug/L	0.227152	3.70%	

Sequence No.: 40
Sample ID: 1002004-12
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 38
Date Collected: 2/10/2010 1:12:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002004-12

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	201138.5	201138.5	101.310	%			13:13:32
1	Al 396.153†	477.5	285.2	76.8782	ug/L	76.8782	ug/L	13:13:32
1	Ba 455.398†	1337.2	1312.8	5.29907	ug/L	5.29907	ug/L	13:13:32
1	Ca 315.887†	12386.9	12106.9	7.80762	mg/L	7.80762	mg/L	13:13:32
1	Fe 238.204†	82.0	54.0	20.1183	ug/L	20.1183	ug/L	13:13:52
1	K 766.490	331.7	243.6	0.309520	mg/L	0.309520	mg/L	13:13:32
1	Li 670.784†	35.5	-31.8	-0.645003	ug/L	-0.645003	ug/L	13:13:32
1	Mg 279.071†	767.2	745.4	1.53074	mg/L	1.53074	mg/L	13:13:52
1	Na 589.592†	13712.3	12813.6	1.85338	mg/L	1.85338	mg/L	13:13:32
1	Sr 407.771†	11796.0	11398.5	14.5745	ug/L	14.5745	ug/L	13:13:32
1	Ti 334.940†	-28.0	-2.5	1.71014	ug/L	1.71014	ug/L	13:13:52
1	Y 360.076	266456.5	266456.5	98.1616	%			13:14:24
1	Ag 328.068†	97.0	-8.3	-0.695934	ug/L	-0.695934	ug/L	13:14:44
1	As 188.979†	-33.0	-4.3	-12.0184	ug/L	-12.0184	ug/L	13:14:44
1	B 249.677†	583.1	248.6	7.46645	ug/L	7.46645	ug/L	13:14:44
1	Be 234.861†	-892.2	-35.6	-0.383633	ug/L	-0.383633	ug/L	13:14:44
1	Cd 214.437†	473.8	17.4	-2.01780	ug/L	-2.01780	ug/L	13:14:44
1	Ce 413.764†	837.4	-7.6	-0.204762	ug/L	-0.204762	ug/L	13:14:24
1	Co 228.616†	-91.8	-1.6	-2.59194	ug/L	-2.59194	ug/L	13:14:44
1	Cr 205.557†	-32.2	0.0	-2.16577	ug/L	-2.16577	ug/L	13:14:44
1	Cu 327.397†	-6.3	-17.5	-1.77676	ug/L	-1.77676	ug/L	13:14:24
1	Mn 257.610†	406.5	-36.2	-2.60188	ug/L	-2.60188	ug/L	13:14:44
1	Mo 202.031†	135.3	39.9	4.04751	ug/L	4.04751	ug/L	13:14:44
1	Ni 231.604†	389.1	27.6	-1.10072	ug/L	-1.10072	ug/L	13:14:44
1	Pb 220.353†	33.9	0.8	-2.73111	ug/L	-2.73111	ug/L	13:14:44
1	Sb 217.584†	-47.6	3.8	-2.10011	ug/L	-2.10011	ug/L	13:14:44
1	Se 196.026†	-47.4	-9.1	-14.3878	ug/L	-14.3878	ug/L	13:14:44
1	Si 251.611†	17257.2	17574.4	1504.52	ug/L	1504.52	ug/L	13:14:24
1	Sn 189.927†	-18.4	-26.4	-16.7121	ug/L	-16.7121	ug/L	13:14:44
1	Tl 190.801†	-57.2	-12.1	-14.5295	ug/L	-14.5295	ug/L	13:14:44
1	V 292.395†	-1270.9	-11.2	-0.490753	ug/L	-0.490753	ug/L	13:14:44
1	Zn 206.200†	1.5	69.6	4.37645	ug/L	4.37645	ug/L	13:14:44
2	Sc 357.234	190669.0	190669.0	96.0365	%			13:13:57
2	Al 396.153†	487.6	321.6	87.9833	ug/L	87.9833	ug/L	13:13:57
2	Ba 455.398†	1374.6	1424.2	5.65535	ug/L	5.65535	ug/L	13:13:57
2	Ca 315.887†	12606.5	13006.9	8.38888	mg/L	8.38888	mg/L	13:13:57
2	Fe 238.204†	87.0	63.6	24.0666	ug/L	24.0666	ug/L	13:14:17
2	K 766.490	328.1	240.0	0.304753	mg/L	0.304753	mg/L	13:13:57
2	Li 670.784†	107.8	45.5	1.46630	ug/L	1.46630	ug/L	13:13:57
2	Mg 279.071†	758.1	777.6	1.59722	mg/L	1.59722	mg/L	13:14:17
2	Na 589.592†	13976.9	13832.3	1.99976	mg/L	1.99976	mg/L	13:13:57
2	Sr 407.771†	12063.0	12315.8	15.6715	ug/L	15.6715	ug/L	13:13:57
2	Ti 334.940†	-21.3	2.9	2.05551	ug/L	2.05551	ug/L	13:14:17
2	Y 360.076	272588.8	272588.8	100.421	%			13:14:49
2	Ag 328.068†	63.9	-43.4	-1.22813	ug/L	-1.22813	ug/L	13:15:09
2	As 188.979†	-23.1	6.3	3.16738	ug/L	3.16738	ug/L	13:15:09
2	B 249.677†	581.4	233.5	6.66717	ug/L	6.66717	ug/L	13:15:09
2	Be 234.861†	-893.3	-16.3	-0.294625	ug/L	-0.294625	ug/L	13:15:09
2	Cd 214.437†	494.0	26.6	-1.67132	ug/L	-1.67132	ug/L	13:15:09
2	Ce 413.764†	788.0	-76.1	-2.02955	ug/L	-2.02955	ug/L	13:14:49
2	Co 228.616†	-104.6	-12.2	-4.21484	ug/L	-4.21484	ug/L	13:15:09
2	Cr 205.557†	-35.1	-2.2	-2.34553	ug/L	-2.34553	ug/L	13:15:09
2	Cu 327.397†	-21.4	-32.4	-2.19771	ug/L	-2.19771	ug/L	13:14:49
2	Mn 257.610†	396.9	-55.1	-2.72935	ug/L	-2.72935	ug/L	13:15:09
2	Mo 202.031†	151.0	52.4	5.56973	ug/L	5.56973	ug/L	13:15:09
2	Ni 231.604†	383.2	12.8	-2.26489	ug/L	-2.26489	ug/L	13:15:09
2	Pb 220.353†	39.6	5.7	0.130225	ug/L	0.130225	ug/L	13:15:09
2	Sb 217.584†	-52.0	0.5	-4.46053	ug/L	-4.46053	ug/L	13:15:09

2	Se 196.026†	-45.8	-6.5	-8.79216 ug/L	-8.79216 ug/L	13:15:09
2	Si 251.611†	17024.3	16947.0	1450.25 ug/L	1450.25 ug/L	13:14:49
2	Sn 189.927†	-5.2	-12.9	-10.5403 ug/L	-10.5403 ug/L	13:15:09
2	Tl 190.801†	-59.3	-12.9	-15.4967 ug/L	-15.4967 ug/L	13:15:09
2	V 292.395†	-1279.2	9.6	-0.0529274 ug/L	-0.0529274 ug/L	13:15:09
2	Zn 206.200†	1.1	69.2	4.33472 ug/L	4.33472 ug/L	13:15:09

Mean Data: 1002004-12

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	195903.8	98.6731	%	3.72879				3.78%
Y 360.076	269522.7	99.2912	%	1.59745				1.61%
Ag 328.068†	-25.8	-0.962034	ug/L	0.3763228	-0.962034	ug/L	0.3763228	39.12%
Al 396.153†	303.4	82.4308	ug/L	7.85247	82.4308	ug/L	7.85247	9.53%
As 188.979†	1.0	-4.42553	ug/L	10.737998	-4.42553	ug/L	10.737998	242.64%
B 249.677†	241.0	7.06681	ug/L	0.565179	7.06681	ug/L	0.565179	8.00%
Ba 455.398†	1368.5	5.47721	ug/L	0.251927	5.47721	ug/L	0.251927	4.60%
Be 234.861†	-25.9	-0.339129	ug/L	0.0629380	-0.339129	ug/L	0.0629380	18.56%
Ca 315.887†	12556.9	8.09825	mg/L	0.411017	8.09825	mg/L	0.411017	5.08%
Cd 214.437†	22.0	-1.84456	ug/L	0.244999	-1.84456	ug/L	0.244999	13.28%
Ce 413.764†	-41.9	-1.11715	ug/L	1.290319	-1.11715	ug/L	1.290319	115.50%
Co 228.616†	-6.9	-3.40339	ug/L	1.147567	-3.40339	ug/L	1.147567	33.72%
Cr 205.557†	-1.1	-2.25565	ug/L	0.127109	-2.25565	ug/L	0.127109	5.64%
Cu 327.397†	-24.9	-1.98723	ug/L	0.297654	-1.98723	ug/L	0.297654	14.98%
Fe 238.204†	58.8	22.0925	ug/L	2.79186	22.0925	ug/L	2.79186	12.64%
K 766.490	241.8	0.307136	mg/L	0.0033710	0.307136	mg/L	0.0033710	1.10%
Li 670.784†	6.8	0.410648	ug/L	1.4929169	0.410648	ug/L	1.4929169	363.55%
Mg 279.071†	761.5	1.56398	mg/L	0.047010	1.56398	mg/L	0.047010	3.01%
Mn 257.610†	-45.7	-2.66561	ug/L	0.090141	-2.66561	ug/L	0.090141	3.38%
Mo 202.031†	46.2	4.80862	ug/L	1.076375	4.80862	ug/L	1.076375	22.38%
Na 589.592†	13323.0	1.92657	mg/L	0.103507	1.92657	mg/L	0.103507	5.37%
Ni 231.604†	20.2	-1.68280	ug/L	0.823195	-1.68280	ug/L	0.823195	48.92%
Pb 220.353†	3.2	-1.30044	ug/L	2.023271	-1.30044	ug/L	2.023271	155.58%
Sb 217.584†	2.1	-3.28032	ug/L	1.669072	-3.28032	ug/L	1.669072	50.88%
Se 196.026†	-7.8	-11.5900	ug/L	3.95668	-11.5900	ug/L	3.95668	34.14%
Si 251.611†	17260.7	1477.38	ug/L	38.376	1477.38	ug/L	38.376	2.60%
Sn 189.927†	-19.7	-13.6262	ug/L	4.36409	-13.6262	ug/L	4.36409	32.03%
Sr 407.771†	11857.1	15.1230	ug/L	0.77569	15.1230	ug/L	0.77569	5.13%
Ti 334.940†	0.2	1.88283	ug/L	0.244213	1.88283	ug/L	0.244213	12.97%
Tl 190.801†	-12.5	-15.0131	ug/L	0.68390	-15.0131	ug/L	0.68390	4.56%
V 292.395†	-0.8	-0.271840	ug/L	0.3095897	-0.271840	ug/L	0.3095897	113.89%
Zn 206.200†	69.4	4.35558	ug/L	0.029507	4.35558	ug/L	0.029507	0.68%

Sequence No.: 41
Sample ID: 1001064-BLK1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 39
Date Collected: 2/10/2010 1:16:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001064-BLK1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	198126.8	198126.8	99.7928	%			13:17:27
1	Al 396.153†	183.8	-1.9	-11.6615	ug/L	-11.6615	ug/L	13:17:27
1	Ba 455.398†	42.5	35.5	1.21424	ug/L	1.21424	ug/L	13:17:27
1	Ca 315.887†	231.9	112.5	0.0617458	mg/L	0.0617458	mg/L	13:17:47
1	Fe 238.204†	40.8	13.9	3.75127	ug/L	3.75127	ug/L	13:17:47
1	K 766.490	76.4	-11.7	-0.0296120	mg/L	-0.0296120	mg/L	13:17:27
1	Li 670.784†	58.8	-7.9	0.0078984	ug/L	0.0078984	ug/L	13:17:27
1	Mg 279.071†	25.2	13.5	0.0183432	mg/L	0.0183432	mg/L	13:17:47
1	Na 589.592†	610.9	-109.2	-0.0034302	mg/L	-0.0034302	mg/L	13:17:27
1	Sr 407.771†	144.5	-100.2	0.823599	ug/L	0.823599	ug/L	13:17:27
1	Ti 334.940†	-27.1	-2.0	1.74093	ug/L	1.74093	ug/L	13:17:47
1	Y 360.076	269514.8	269514.8	99.2883	%			13:18:19
1	Ag 328.068†	76.7	-29.8	-1.11635	ug/L	-1.11635	ug/L	13:18:39
1	As 188.979†	-26.9	2.2	-2.65592	ug/L	-2.65592	ug/L	13:18:39
1	B 249.677†	361.8	18.9	-4.76311	ug/L	-4.76311	ug/L	13:18:39
1	Be 234.861†	-884.8	-17.9	-0.294744	ug/L	-0.294744	ug/L	13:18:39

1	Cd 214.437†	482.8	21.0	-1.87383 ug/L	-1.87383 ug/L	13:18:39
1	Ce 413.764†	811.7	-43.2	-1.15410 ug/L	-1.15410 ug/L	13:18:19
1	Co 228.616†	-98.8	-7.7	-3.51441 ug/L	-3.51441 ug/L	13:18:39
1	Cr 205.557†	-39.7	-7.2	-2.76418 ug/L	-2.76418 ug/L	13:18:39
1	Cu 327.397†	-14.4	-25.5	-2.00454 ug/L	-2.00454 ug/L	13:18:19
1	Mn 257.610†	333.5	-114.4	-3.13263 ug/L	-3.13263 ug/L	13:18:39
1	Mo 202.031†	106.0	8.8	0.263225 ug/L	0.263225 ug/L	13:18:39
1	Ni 231.604†	379.8	13.7	-2.20689 ug/L	-2.20689 ug/L	13:18:39
1	Pb 220.353†	37.2	3.7	-1.01812 ug/L	-1.01812 ug/L	13:18:39
1	Sb 217.584†	-42.2	9.8	2.18868 ug/L	2.18868 ug/L	13:18:39
1	Se 196.026†	-55.5	-16.7	-30.6999 ug/L	-30.6999 ug/L	13:18:39
1	Si 251.611†	141.4	136.4	-3.75164 ug/L	-3.75164 ug/L	13:18:39
1	Sn 189.927†	1.9	-5.8	-9.16332 ug/L	-9.16332 ug/L	13:18:39
1	Tl 190.801†	-53.9	-8.1	-9.66316 ug/L	-9.66316 ug/L	13:18:39
1	V 292.395†	-1293.5	-19.3	-0.691544 ug/L	-0.691544 ug/L	13:18:39
1	Zn 206.200†	-17.0	51.0	2.52546 ug/L	2.52546 ug/L	13:18:39
2	Sc 357.234	200368.1	200368.1	100.922 %		13:17:53
2	Al 396.153†	171.2	-16.5	-16.0694 ug/L	-16.0694 ug/L	13:17:53
2	Ba 455.398†	-29.3	-36.1	0.985258 ug/L	0.985258 ug/L	13:17:53
2	Ca 315.887†	225.8	103.9	0.0561542 mg/L	0.0561542 mg/L	13:18:13
2	Fe 238.204†	44.1	16.7	4.89109 ug/L	4.89109 ug/L	13:18:13
2	K 766.490	76.0	-12.1	-0.0300966 mg/L	-0.0300966 mg/L	13:17:53
2	Li 670.784†	45.8	-21.5	-0.362173 ug/L	-0.362173 ug/L	13:17:53
2	Mg 279.071†	21.0	9.0	0.0091449 mg/L	0.0091449 mg/L	13:18:13
2	Na 589.592†	649.6	-77.8	0.0010908 mg/L	0.0010908 mg/L	13:17:53
2	Sr 407.771†	106.2	-139.8	0.776284 ug/L	0.776284 ug/L	13:17:53
2	Ti 334.940†	-24.8	0.5	1.90456 ug/L	1.90456 ug/L	13:18:13
2	Y 360.076	270022.4	270022.4	99.4753 %		13:18:44
2	Ag 328.068†	100.6	-5.9	-0.751940 ug/L	-0.751940 ug/L	13:19:04
2	As 188.979†	-33.5	-4.3	-12.0726 ug/L	-12.0726 ug/L	13:19:04
2	B 249.677†	354.7	11.2	-5.17933 ug/L	-5.17933 ug/L	13:19:04
2	Be 234.861†	-891.0	-22.4	-0.316279 ug/L	-0.316279 ug/L	13:19:04
2	Cd 214.437†	468.2	5.4	-2.45888 ug/L	-2.45888 ug/L	13:19:04
2	Ce 413.764†	837.6	-18.7	-0.499613 ug/L	-0.499613 ug/L	13:18:44
2	Co 228.616†	-92.7	-1.3	-2.54389 ug/L	-2.54389 ug/L	13:19:04
2	Cr 205.557†	-35.3	-2.6	-2.38562 ug/L	-2.38562 ug/L	13:19:04
2	Cu 327.397†	-7.4	-18.5	-1.80456 ug/L	-1.80456 ug/L	13:18:44
2	Mn 257.610†	323.1	-125.5	-3.20809 ug/L	-3.20809 ug/L	13:19:04
2	Mo 202.031†	106.8	9.5	0.342210 ug/L	0.342210 ug/L	13:19:04
2	Ni 231.604†	388.1	21.3	-1.60549 ug/L	-1.60549 ug/L	13:19:04
2	Pb 220.353†	44.0	10.5	2.94097 ug/L	2.94097 ug/L	13:19:04
2	Sb 217.584†	-50.1	1.9	-3.46275 ug/L	-3.46275 ug/L	13:19:04
2	Se 196.026†	-52.7	-13.8	-24.5215 ug/L	-24.5215 ug/L	13:19:04
2	Si 251.611†	153.2	148.0	-2.75126 ug/L	-2.75126 ug/L	13:19:04
2	Sn 189.927†	8.0	0.3	-6.41805 ug/L	-6.41805 ug/L	13:19:04
2	Tl 190.801†	-58.5	-12.6	-15.1284 ug/L	-15.1284 ug/L	13:19:04
2	V 292.395†	-1275.1	1.6	-0.267720 ug/L	-0.267720 ug/L	13:19:04
2	Zn 206.200†	-20.1	47.9	2.21047 ug/L	2.21047 ug/L	13:19:04

Mean Data: 1001064-BLK1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	199247.5	100.357	%	0.7983				0.80%
Y 360.076	269768.6	99.3818	%	0.13223				0.13%
Ag 328.068†	-17.8	-0.934147	ug/L	0.2576805	-0.934147	ug/L	0.2576805	27.58%
Al 396.153†	-9.2	-13.8655	ug/L	3.11680	-13.8655	ug/L	3.11680	22.48%
As 188.979†	-1.0	-7.36425	ug/L	6.658590	-7.36425	ug/L	6.658590	90.42%
B 249.677†	15.0	-4.97122	ug/L	0.294312	-4.97122	ug/L	0.294312	5.92%
Ba 455.398†	-0.3	1.09975	ug/L	0.161914	1.09975	ug/L	0.161914	14.72%
Be 234.861†	-20.2	-0.305511	ug/L	0.0152272	-0.305511	ug/L	0.0152272	4.98%
Ca 315.887†	108.2	0.0589500	mg/L	0.00395391	0.0589500	mg/L	0.00395391	6.71%
Cd 214.437†	13.2	-2.16636	ug/L	0.413690	-2.16636	ug/L	0.413690	19.10%
Ce 413.764†	-31.0	-0.826856	ug/L	0.4627913	-0.826856	ug/L	0.4627913	55.97%
Co 228.616†	-4.5	-3.02915	ug/L	0.686258	-3.02915	ug/L	0.686258	22.66%
Cr 205.557†	-4.9	-2.57490	ug/L	0.267676	-2.57490	ug/L	0.267676	10.40%
Cu 327.397†	-22.0	-1.90455	ug/L	0.141406	-1.90455	ug/L	0.141406	7.42%
Fe 238.204†	15.3	4.32118	ug/L	0.805974	4.32118	ug/L	0.805974	18.65%
K 766.490	-11.9	-0.0298543	mg/L	0.00034264	-0.0298543	mg/L	0.00034264	1.15%
Li 670.784†	-14.7	-0.177138	ug/L	0.2616803	-0.177138	ug/L	0.2616803	147.73%
Mg 279.071†	11.3	0.0137441	mg/L	0.00650422	0.0137441	mg/L	0.00650422	47.32%

Mn 257.610†	-120.0	-3.17036 ug/L	0.053357	-3.17036 ug/L	0.053357	1.68%
Mo 202.031†	9.1	0.302717 ug/L	0.0558502	0.302717 ug/L	0.0558502	18.45%
Na 589.592†	-93.5	-0.0011697 mg/L	0.00319680	-0.0011697 mg/L	0.00319680	273.30%
Ni 231.604†	17.5	-1.90619 ug/L	0.425256	-1.90619 ug/L	0.425256	22.31%
Pb 220.353†	7.1	0.961427 ug/L	2.7995029	0.961427 ug/L	2.7995029	291.18%
Sb 217.584†	5.9	-0.637038 ug/L	3.9961624	-0.637038 ug/L	3.9961624	627.30%
Se 196.026†	-15.3	-27.6107 ug/L	4.36875	-27.6107 ug/L	4.36875	15.82%
Si 251.611†	142.2	-3.25145 ug/L	0.707371	-3.25145 ug/L	0.707371	21.76%
Sn 189.927†	-2.7	-7.79068 ug/L	1.941196	-7.79068 ug/L	1.941196	24.92%
Sr 407.771†	-120.0	0.799941 ug/L	0.0334569	0.799941 ug/L	0.0334569	4.18%
Ti 334.940†	-0.8	1.82274 ug/L	0.115700	1.82274 ug/L	0.115700	6.35%
Tl 190.801†	-10.4	-12.3958 ug/L	3.86453	-12.3958 ug/L	3.86453	31.18%
V 292.395†	-8.9	-0.479632 ug/L	0.2996885	-0.479632 ug/L	0.2996885	62.48%
Zn 206.200†	49.5	2.36796 ug/L	0.222732	2.36796 ug/L	0.222732	9.41%

Sequence No.: 42
Sample ID: 1001064-BS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 40
Date Collected: 2/10/2010 1:20:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001064-BS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	202248.5	202248.5	101.869	%			13:21:25
1	Al 396.153†	6503.4	6198.0	1860.66	ug/L	1860.66	ug/L	13:21:45
1	Ba 455.398†	116838.4	114687.9	367.883	ug/L	367.883	ug/L	13:21:25
1	Ca 315.887†	31814.1	31110.6	20.0801	mg/L	20.0801	mg/L	13:21:25
1	Fe 238.204†	988.8	943.7	384.191	ug/L	384.191	ug/L	13:21:45
1	K 766.490	14156.2	14068.1	18.6746	mg/L	18.6746	mg/L	13:21:25
1	Li 670.784†	13683.6	13365.8	365.439	ug/L	365.439	ug/L	13:21:25
1	Mg 279.071†	9325.8	9142.9	18.8822	mg/L	18.8822	mg/L	13:21:45
1	Na 589.592†	131563.9	128428.9	18.4655	mg/L	18.4655	mg/L	13:21:25
1	Sr 407.771†	313908.7	307904.9	369.155	ug/L	369.155	ug/L	13:21:25
1	Ti 334.940†	6028.0	5942.6	379.828	ug/L	379.828	ug/L	13:21:45
1	Y 360.076	271556.3	271556.3	100.040	%			13:22:17
1	Ag 328.068†	25255.4	25138.1	379.375	ug/L	379.375	ug/L	13:22:17
1	As 188.979†	1261.0	1289.8	1842.27	ug/L	1842.27	ug/L	13:22:37
1	B 249.677†	7293.0	6944.7	363.014	ug/L	363.014	ug/L	13:22:17
1	Be 234.861†	7206.6	8076.9	37.4387	ug/L	37.4387	ug/L	13:22:37
1	Cd 214.437†	10450.7	9981.2	372.209	ug/L	372.209	ug/L	13:22:37
1	Ce 413.764†	812.7	-48.3	-1.35948	ug/L	-1.35948	ug/L	13:22:17
1	Co 228.616†	2373.2	2464.1	373.950	ug/L	373.950	ug/L	13:22:37
1	Cr 205.557†	4533.5	4564.5	377.776	ug/L	377.776	ug/L	13:22:37
1	Cu 327.397†	13410.7	13394.2	379.984	ug/L	379.984	ug/L	13:22:17
1	Mn 257.610†	56721.5	56248.3	379.114	ug/L	379.114	ug/L	13:22:17
1	Mo 202.031†	3325.4	3226.1	391.710	ug/L	391.710	ug/L	13:22:37
1	Ni 231.604†	5168.2	4797.3	376.380	ug/L	376.380	ug/L	13:22:37
1	Pb 220.353†	695.1	661.0	384.020	ug/L	384.020	ug/L	13:22:37
1	Sb 217.584†	2614.6	2665.9	1911.27	ug/L	1911.27	ug/L	13:22:37
1	Se 196.026†	802.3	841.1	1802.17	ug/L	1802.17	ug/L	13:22:37
1	Si 251.611†	22023.8	22009.0	1878.27	ug/L	1878.27	ug/L	13:22:17
1	Sn 189.927†	4287.3	4277.8	1914.36	ug/L	1914.36	ug/L	13:22:37
1	Tl 190.801†	1526.1	1571.6	1896.96	ug/L	1896.96	ug/L	13:22:37
1	V 292.395†	17427.0	18703.4	383.231	ug/L	383.231	ug/L	13:22:17
1	Zn 206.200†	4248.9	4315.3	435.631	ug/L	435.631	ug/L	13:22:37
2	Sc 357.234	199139.6	199139.6	100.303	%			13:21:50
2	Al 396.153†	6463.2	6257.6	1878.68	ug/L	1878.68	ug/L	13:22:10
2	Ba 455.398†	117283.8	116922.4	375.030	ug/L	375.030	ug/L	13:21:50
2	Ca 315.887†	31781.4	31565.5	20.3739	mg/L	20.3739	mg/L	13:21:50
2	Fe 238.204†	984.2	954.3	388.513	ug/L	388.513	ug/L	13:22:10
2	K 766.490	14172.6	14084.5	18.6964	mg/L	18.6964	mg/L	13:21:50
2	Li 670.784†	13778.5	13670.0	373.753	ug/L	373.753	ug/L	13:21:50
2	Mg 279.071†	9279.7	9239.8	19.0825	mg/L	19.0825	mg/L	13:22:10
2	Na 589.592†	131874.7	130755.0	18.7998	mg/L	18.7998	mg/L	13:21:50
2	Sr 407.771†	314547.8	313352.7	375.670	ug/L	375.670	ug/L	13:21:50
2	Ti 334.940†	6013.0	6019.9	384.749	ug/L	384.749	ug/L	13:22:10
2	Y 360.076	269800.2	269800.2	99.3934	%			13:22:42
2	Ag 328.068†	25210.9	25257.7	381.189	ug/L	381.189	ug/L	13:22:42

2	As 188.979†	1281.0	1318.2	1882.95 ug/L	1882.95 ug/L	13:23:02
2	B 249.677†	7292.1	6991.2	365.481 ug/L	365.481 ug/L	13:22:42
2	Be 234.861†	7207.2	8124.5	37.6597 ug/L	37.6597 ug/L	13:23:02
2	Cd 214.437†	10458.6	10057.1	375.063 ug/L	375.063 ug/L	13:23:02
2	Ce 413.764†	838.5	-17.1	-0.527772 ug/L	-0.527772 ug/L	13:22:42
2	Co 228.616†	2381.2	2487.6	377.526 ug/L	377.526 ug/L	13:23:02
2	Cr 205.557†	4537.9	4598.4	380.595 ug/L	380.595 ug/L	13:23:02
2	Cu 327.397†	13401.9	13472.6	382.216 ug/L	382.216 ug/L	13:22:42
2	Mn 257.610†	56987.9	56885.4	383.434 ug/L	383.434 ug/L	13:22:42
2	Mo 202.031†	3329.0	3251.4	394.793 ug/L	394.793 ug/L	13:23:02
2	Ni 231.604†	5150.5	4813.1	377.627 ug/L	377.627 ug/L	13:23:02
2	Pb 220.353†	695.3	665.8	386.808 ug/L	386.808 ug/L	13:23:02
2	Sb 217.584†	2613.1	2681.3	1922.40 ug/L	1922.40 ug/L	13:23:02
2	Se 196.026†	799.7	843.7	1807.78 ug/L	1807.78 ug/L	13:23:02
2	Si 251.611†	22009.8	22138.2	1889.32 ug/L	1889.32 ug/L	13:22:42
2	Sn 189.927†	4291.2	4309.7	1928.69 ug/L	1928.69 ug/L	13:23:02
2	Tl 190.801†	1526.9	1582.3	1909.92 ug/L	1909.92 ug/L	13:23:02
2	V 292.395†	17445.4	18835.2	385.936 ug/L	385.936 ug/L	13:22:42
2	Zn 206.200†	4265.9	4360.1	440.179 ug/L	440.179 ug/L	13:23:02

Mean Data: 1001064-BS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	200694.0	101.086	%	1.1072				1.10%
Y 360.076	270678.3	99.7169	%	0.45746				0.46%
Ag 328.068†	25197.9	380.282	ug/L	1.2825	380.282	ug/L	1.2825	0.34%
Al 396.153†	6227.8	1869.67	ug/L	12.744	1869.67	ug/L	12.744	0.68%
As 188.979†	1304.0	1862.61	ug/L	28.760	1862.61	ug/L	28.760	1.54%
B 249.677†	6967.9	364.248	ug/L	1.7444	364.248	ug/L	1.7444	0.48%
Ba 455.398†	115805.2	371.457	ug/L	5.0532	371.457	ug/L	5.0532	1.36%
Be 234.861†	8100.7	37.5492	ug/L	0.15624	37.5492	ug/L	0.15624	0.42%
Ca 315.887†	31338.1	20.2270	mg/L	0.20773	20.2270	mg/L	0.20773	1.03%
Cd 214.437†	10019.1	373.636	ug/L	2.0179	373.636	ug/L	2.0179	0.54%
Ce 413.764†	-32.7	-0.943628	ug/L	0.5881096	-0.943628	ug/L	0.5881096	62.32%
Co 228.616†	2475.9	375.738	ug/L	2.5288	375.738	ug/L	2.5288	0.67%
Cr 205.557†	4581.5	379.185	ug/L	1.9937	379.185	ug/L	1.9937	0.53%
Cu 327.397†	13433.4	381.100	ug/L	1.5783	381.100	ug/L	1.5783	0.41%
Fe 238.204†	949.0	386.352	ug/L	3.0557	386.352	ug/L	3.0557	0.79%
K 766.490	14076.3	18.6855	mg/L	0.01543	18.6855	mg/L	0.01543	0.08%
Li 670.784†	13517.9	369.596	ug/L	5.8791	369.596	ug/L	5.8791	1.59%
Mg 279.071†	9191.4	18.9824	mg/L	0.14165	18.9824	mg/L	0.14165	0.75%
Mn 257.610†	56566.8	381.274	ug/L	3.0549	381.274	ug/L	3.0549	0.80%
Mo 202.031†	3238.8	393.252	ug/L	2.1804	393.252	ug/L	2.1804	0.55%
Na 589.592†	129591.9	18.6326	mg/L	0.23633	18.6326	mg/L	0.23633	1.27%
Ni 231.604†	4805.2	377.004	ug/L	0.8823	377.004	ug/L	0.8823	0.23%
Pb 220.353†	663.4	385.414	ug/L	1.9712	385.414	ug/L	1.9712	0.51%
Sb 217.584†	2673.6	1916.84	ug/L	7.867	1916.84	ug/L	7.867	0.41%
Se 196.026†	842.4	1804.97	ug/L	3.964	1804.97	ug/L	3.964	0.22%
Si 251.611†	22073.6	1883.79	ug/L	7.812	1883.79	ug/L	7.812	0.41%
Sn 189.927†	4293.7	1921.53	ug/L	10.130	1921.53	ug/L	10.130	0.53%
Sr 407.771†	310628.8	372.413	ug/L	4.6066	372.413	ug/L	4.6066	1.24%
Ti 334.940†	5981.2	382.288	ug/L	3.4793	382.288	ug/L	3.4793	0.91%
Tl 190.801†	1577.0	1903.44	ug/L	9.165	1903.44	ug/L	9.165	0.48%
V 292.395†	18769.3	384.584	ug/L	1.9130	384.584	ug/L	1.9130	0.50%
Zn 206.200†	4337.7	437.905	ug/L	3.2159	437.905	ug/L	3.2159	0.73%

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Sequence No.: 43
Sample ID: 1002085-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 2/10/2010 1:24:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002085-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	196657.0	196657.0	99.0525	%			13:25:20
1	Al 396.153†	88.2	-97.1	-20.5427	ug/L	-20.5427	ug/L	13:25:25
1	Ba 455.398†	34359.3	34680.9	112.013	ug/L	112.013	ug/L	13:25:25

1	Ca 315.887†	135748.9	136927.6	88.4160 mg/L	88.4160 mg/L	13:25:20
1	Fe 238.204†	58.8	32.4	10.0061 ug/L	10.0061 ug/L	13:25:45
1	K 766.490	2237.3	2149.2	2.84099 mg/L	2.84099 mg/L	13:25:25
1	Li 670.784†	222.5	157.8	4.53700 ug/L	4.53700 ug/L	13:25:25
1	Mg 279.071†	11710.2	11810.4	24.3941 mg/L	24.3941 mg/L	13:25:25
1	Na 589.592†	275137.9	277048.4	39.8199 mg/L	39.8199 mg/L	13:25:20
1	Sr 407.771†	143226.3	144351.3	173.568 ug/L	173.568 ug/L	13:25:20
1	Ti 334.940†	-49.3	-24.7	0.302255 ug/L	0.302255 ug/L	13:25:45
1	Y 360.076	265887.5	265887.5	97.9520 %		13:26:22
1	Ag 328.068†	27.8	-78.7	-0.850094 ug/L	-0.850094 ug/L	13:26:22
1	As 188.979†	-27.9	0.9	-4.61160 ug/L	-4.61160 ug/L	13:26:42
1	B 249.677†	1381.9	1065.4	50.9612 ug/L	50.9612 ug/L	13:26:42
1	Be 234.861†	-885.1	-30.3	-0.355255 ug/L	-0.355255 ug/L	13:26:42
1	Cd 214.437†	486.2	31.0	-1.49454 ug/L	-1.49454 ug/L	13:26:42
1	Ce 413.764†	770.8	-73.9	-1.97140 ug/L	-1.97140 ug/L	13:26:22
1	Co 228.616†	-96.3	-6.4	-3.32072 ug/L	-3.32072 ug/L	13:26:42
1	Cr 205.557†	-32.1	0.1	-2.16175 ug/L	-2.16175 ug/L	13:26:42
1	Cu 327.397†	-10.8	-22.1	-1.90649 ug/L	-1.90649 ug/L	13:26:22
1	Mn 257.610†	487.2	47.1	-2.03687 ug/L	-2.03687 ug/L	13:26:42
1	Mo 202.031†	183.5	89.4	10.0656 ug/L	10.0656 ug/L	13:26:42
1	Ni 231.604†	381.5	20.7	-1.63477 ug/L	-1.63477 ug/L	13:26:42
1	Pb 220.353†	37.3	4.3	-0.665124 ug/L	-0.665124 ug/L	13:26:42
1	Sb 217.584†	-67.4	-16.5	-16.6782 ug/L	-16.6782 ug/L	13:26:42
1	Se 196.026†	-48.9	-10.7	-17.8473 ug/L	-17.8473 ug/L	13:26:42
1	Si 251.611†	54654.5	55791.3	4810.05 ug/L	4810.05 ug/L	13:26:22
1	Sn 189.927†	-84.8	-94.3	-29.5144 ug/L	-29.5144 ug/L	13:26:42
1	Tl 190.801†	-51.6	-6.6	-7.85537 ug/L	-7.85537 ug/L	13:26:42
1	V 292.395†	-1338.8	-83.4	-1.88841 ug/L	-1.88841 ug/L	13:26:42
1	Zn 206.200†	-46.7	20.5	-1.22001 ug/L	-1.22001 ug/L	13:26:42
2	Sc 357.234	196326.7	196326.7	98.8861 %		13:25:50
2	Al 396.153†	99.0	-86.0	-16.9675 ug/L	-16.9675 ug/L	13:25:56
2	Ba 455.398†	34455.5	34836.5	112.511 ug/L	112.511 ug/L	13:25:56
2	Ca 315.887†	136865.7	138287.5	89.2942 mg/L	89.2942 mg/L	13:25:50
2	Fe 238.204†	61.3	35.0	11.0613 ug/L	11.0613 ug/L	13:26:16
2	K 766.490	2286.1	2198.0	2.90591 mg/L	2.90591 mg/L	13:25:56
2	Li 670.784†	197.7	133.2	3.86253 ug/L	3.86253 ug/L	13:25:56
2	Mg 279.071†	11762.9	11883.6	24.5453 mg/L	24.5453 mg/L	13:25:56
2	Na 589.592†	278087.4	280498.4	40.3156 mg/L	40.3156 mg/L	13:25:50
2	Sr 407.771†	144834.3	146220.7	175.803 ug/L	175.803 ug/L	13:25:50
2	Ti 334.940†	-42.3	-17.7	0.743914 ug/L	0.743914 ug/L	13:26:16
2	Y 360.076	263686.3	263686.3	97.1411 %		13:26:47
2	Ag 328.068†	59.5	-45.8	-0.326596 ug/L	-0.326596 ug/L	13:26:47
2	As 188.979†	-35.7	-7.4	-16.4520 ug/L	-16.4520 ug/L	13:27:07
2	B 249.677†	1376.0	1071.1	51.2621 ug/L	51.2621 ug/L	13:27:07
2	Be 234.861†	-876.1	-28.6	-0.347547 ug/L	-0.347547 ug/L	13:27:07
2	Cd 214.437†	483.1	32.0	-1.45859 ug/L	-1.45859 ug/L	13:27:07
2	Ce 413.764†	886.7	52.0	1.38698 ug/L	1.38698 ug/L	13:26:47
2	Co 228.616†	-92.6	-3.4	-2.86186 ug/L	-2.86186 ug/L	13:27:07
2	Cr 205.557†	-29.8	2.1	-1.98970 ug/L	-1.98970 ug/L	13:27:07
2	Cu 327.397†	-14.6	-26.1	-2.02078 ug/L	-2.02078 ug/L	13:26:47
2	Mn 257.610†	468.9	32.4	-2.13642 ug/L	-2.13642 ug/L	13:27:07
2	Mo 202.031†	184.1	91.6	10.3363 ug/L	10.3363 ug/L	13:27:07
2	Ni 231.604†	384.8	27.3	-1.11013 ug/L	-1.11013 ug/L	13:27:07
2	Pb 220.353†	35.2	2.5	-1.72388 ug/L	-1.72388 ug/L	13:27:07
2	Sb 217.584†	-60.3	-9.8	-11.8525 ug/L	-11.8525 ug/L	13:27:07
2	Se 196.026†	-51.8	-14.1	-25.1095 ug/L	-25.1095 ug/L	13:27:07
2	Si 251.611†	54279.9	55871.4	4816.97 ug/L	4816.97 ug/L	13:26:47
2	Sn 189.927†	-88.7	-99.0	-31.4548 ug/L	-31.4548 ug/L	13:27:07
2	Tl 190.801†	-57.1	-12.6	-15.0816 ug/L	-15.0816 ug/L	13:27:07
2	V 292.395†	-1288.3	-42.7	-1.06190 ug/L	-1.06190 ug/L	13:27:07
2	Zn 206.200†	-44.5	22.4	-1.03431 ug/L	-1.03431 ug/L	13:27:07

Mean Data: 1002085-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	196491.8	98.9693	%	0.11763				0.12%
Y 360.076	264786.9	97.5466	%	0.57340				0.59%
Ag 328.068†	-62.3	-0.588345	ug/L	0.3701691	-0.588345	ug/L	0.3701691	62.92%
Al 396.153†	-91.6	-18.7551	ug/L	2.52805	-18.7551	ug/L	2.52805	13.48%
As 188.979†	-3.2	-10.5318	ug/L	8.37240	-10.5318	ug/L	8.37240	79.50%

B 249.677†	1068.2	51.1117 ug/L	0.21271	51.1117 ug/L	0.21271	0.42%
Ba 455.398†	34758.7	112.262 ug/L	0.3520	112.262 ug/L	0.3520	0.31%
Be 234.861†	-29.5	-0.351401 ug/L	0.0054503	-0.351401 ug/L	0.0054503	1.55%
Ca 315.887†	137607.5	88.8551 mg/L	0.62100	88.8551 mg/L	0.62100	0.70%
Cd 214.437†	31.5	-1.47656 ug/L	0.025421	-1.47656 ug/L	0.025421	1.72%
Ce 413.764†	-10.9	-0.292207 ug/L	2.3747343	-0.292207 ug/L	2.3747343	812.69%
Co 228.616†	-4.9	-3.09129 ug/L	0.324462	-3.09129 ug/L	0.324462	10.50%
Cr 205.557†	1.1	-2.07572 ug/L	0.121664	-2.07572 ug/L	0.121664	5.86%
Cu 327.397†	-24.1	-1.96363 ug/L	0.080817	-1.96363 ug/L	0.080817	4.12%
Fe 238.204†	33.7	10.5337 ug/L	0.74614	10.5337 ug/L	0.74614	7.08%
K 766.490	2173.6	2.87345 mg/L	0.045902	2.87345 mg/L	0.045902	1.60%
Li 670.784†	145.5	4.19976 ug/L	0.476924	4.19976 ug/L	0.476924	11.36%
Mg 279.071†	11847.0	24.4697 mg/L	0.10698	24.4697 mg/L	0.10698	0.44%
Mn 257.610†	39.8	-2.08665 ug/L	0.070392	-2.08665 ug/L	0.070392	3.37%
Mo 202.031†	90.5	10.2010 ug/L	0.19140	10.2010 ug/L	0.19140	1.88%
Na 589.592†	278773.4	40.0677 mg/L	0.35052	40.0677 mg/L	0.35052	0.87%
Ni 231.604†	24.0	-1.37245 ug/L	0.370974	-1.37245 ug/L	0.370974	27.03%
Pb 220.353†	3.4	-1.19450 ug/L	0.748652	-1.19450 ug/L	0.748652	62.67%
Sb 217.584†	-13.1	-14.2653 ug/L	3.41231	-14.2653 ug/L	3.41231	23.92%
Se 196.026†	-12.4	-21.4784 ug/L	5.13518	-21.4784 ug/L	5.13518	23.91%
Si 251.611†	55831.3	4813.51 ug/L	4.889	4813.51 ug/L	4.889	0.10%
Sn 189.927†	-96.6	-30.4846 ug/L	1.37207	-30.4846 ug/L	1.37207	4.50%
Sr 407.771†	145286.0	174.685 ug/L	1.5808	174.685 ug/L	1.5808	0.90%
Ti 334.940†	-21.2	0.523084 ug/L	0.3122997	0.523084 ug/L	0.3122997	59.70%
Tl 190.801†	-9.6	-11.4685 ug/L	5.10974	-11.4685 ug/L	5.10974	44.55%
V 292.395†	-63.1	-1.47515 ug/L	0.584427	-1.47515 ug/L	0.584427	39.62%
Zn 206.200†	21.4	-1.12716 ug/L	0.131313	-1.12716 ug/L	0.131313	11.65%

Sequence No.: 44 **Autosampler Location: 42**
Sample ID: 1001064-MS1 **Date Collected: 2/10/2010 1:28:23 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1001064-MS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	196914.1	196914.1	99.1820	%			13:29:29
1	Al 396.153†	6423.8	6290.7	1907.49	ug/L	1907.49	ug/L	13:29:49
1	Ba 455.398†	151301.9	152542.7	488.947	ug/L	488.947	ug/L	13:29:29
1	Ca 315.887†	159556.5	160752.6	103.802	mg/L	103.802	mg/L	13:29:29
1	Fe 238.204†	962.7	943.7	382.898	ug/L	382.898	ug/L	13:29:49
1	K 766.490	16482.3	16394.2	21.7647	mg/L	21.7647	mg/L	13:29:29
1	Li 670.784†	14209.6	14260.0	389.873	ug/L	389.873	ug/L	13:29:29
1	Mg 279.071†	20183.5	20338.2	42.0148	mg/L	42.0148	mg/L	13:29:29
1	Na 589.592†	396408.0	398956.0	57.3362	mg/L	57.3362	mg/L	13:29:29
1	Sr 407.771†	455895.3	459410.2	550.335	ug/L	550.335	ug/L	13:29:29
1	Ti 334.940†	5970.0	6044.4	386.303	ug/L	386.303	ug/L	13:29:49
1	Y 360.076	262460.3	262460.3	96.6895	%			13:30:20
1	Ag 328.068†	25143.3	25897.1	391.801	ug/L	391.801	ug/L	13:30:20
1	As 188.979†	1279.8	1352.9	1932.77	ug/L	1932.77	ug/L	13:30:40
1	B 249.677†	8365.6	8306.6	435.514	ug/L	435.514	ug/L	13:30:20
1	Be 234.861†	7204.7	8324.7	38.5977	ug/L	38.5977	ug/L	13:30:40
1	Cd 214.437†	10227.1	10111.9	377.127	ug/L	377.127	ug/L	13:30:40
1	Ce 413.764†	823.4	-9.2	-0.314967	ug/L	-0.314967	ug/L	13:30:20
1	Co 228.616†	2341.2	2513.2	381.450	ug/L	381.450	ug/L	13:30:40
1	Cr 205.557†	4443.4	4628.4	383.093	ug/L	383.093	ug/L	13:30:40
1	Cu 327.397†	13453.2	13902.7	394.454	ug/L	394.454	ug/L	13:30:20
1	Mn 257.610†	55956.4	57421.9	387.073	ug/L	387.073	ug/L	13:30:20
1	Mo 202.031†	3313.9	3329.4	404.284	ug/L	404.284	ug/L	13:30:40
1	Ni 231.604†	4998.6	4801.0	376.680	ug/L	376.680	ug/L	13:30:40
1	Pb 220.353†	672.6	661.9	384.506	ug/L	384.506	ug/L	13:30:40
1	Sb 217.584†	2569.4	2709.7	1942.74	ug/L	1942.74	ug/L	13:30:40
1	Se 196.026†	799.0	865.6	1854.43	ug/L	1854.43	ug/L	13:30:40
1	Si 251.611†	78868.5	81562.9	7029.11	ug/L	7029.11	ug/L	13:30:20
1	Sn 189.927†	4091.4	4223.8	1908.43	ug/L	1908.43	ug/L	13:30:40
1	Tl 190.801†	1526.5	1624.9	1961.22	ug/L	1961.22	ug/L	13:30:40
1	V 292.395†	17310.9	19187.0	393.179	ug/L	393.179	ug/L	13:30:20
1	Zn 206.200†	3503.1	3691.2	371.570	ug/L	371.570	ug/L	13:30:40

2	Sc 357.234	193342.8	193342.8	97.3832 %		13:29:54
2	Al 396.153†	6465.4	6453.0	1956.69 ug/L	1956.69 ug/L	13:30:14
2	Ba 455.398†	149968.2	153991.0	493.578 ug/L	493.578 ug/L	13:29:54
2	Ca 315.887†	158146.4	162276.1	104.786 mg/L	104.786 mg/L	13:29:54
2	Fe 238.204†	962.7	961.6	390.223 ug/L	390.223 ug/L	13:30:14
2	K 766.490	16320.7	16232.6	21.5501 mg/L	21.5501 mg/L	13:29:54
2	Li 670.784†	14105.3	14417.5	394.177 ug/L	394.177 ug/L	13:29:54
2	Mg 279.071†	20112.1	20640.7	42.6400 mg/L	42.6400 mg/L	13:29:54
2	Na 589.592†	394086.9	403955.2	58.0545 mg/L	58.0545 mg/L	13:29:54
2	Sr 407.771†	451831.1	463727.4	555.498 ug/L	555.498 ug/L	13:29:54
2	Ti 334.940†	5987.4	6173.4	394.511 ug/L	394.511 ug/L	13:30:14
2	Y 360.076	261108.0	261108.0	96.1913 %		13:30:45
2	Ag 328.068†	25070.9	25956.5	392.710 ug/L	392.710 ug/L	13:30:45
2	As 188.979†	1278.0	1358.0	1939.97 ug/L	1939.97 ug/L	13:31:05
2	B 249.677†	8310.7	8294.3	434.862 ug/L	434.862 ug/L	13:30:45
2	Be 234.861†	7259.5	8420.2	39.0418 ug/L	39.0418 ug/L	13:31:05
2	Cd 214.437†	10287.0	10229.0	381.523 ug/L	381.523 ug/L	13:31:05
2	Ce 413.764†	807.3	-21.5	-0.646517 ug/L	-0.646517 ug/L	13:30:45
2	Co 228.616†	2328.5	2512.6	381.332 ug/L	381.332 ug/L	13:31:05
2	Cr 205.557†	4493.8	4704.6	389.439 ug/L	389.439 ug/L	13:31:05
2	Cu 327.397†	13389.4	13908.5	394.623 ug/L	394.623 ug/L	13:30:45
2	Mn 257.610†	55786.0	57544.6	387.904 ug/L	387.904 ug/L	13:30:45
2	Mo 202.031†	3344.1	3378.6	410.269 ug/L	410.269 ug/L	13:31:05
2	Ni 231.604†	5025.2	4855.4	380.992 ug/L	380.992 ug/L	13:31:05
2	Pb 220.353†	689.1	682.6	396.633 ug/L	396.633 ug/L	13:31:05
2	Sb 217.584†	2581.6	2736.1	1961.74 ug/L	1961.74 ug/L	13:31:05
2	Se 196.026†	813.3	884.7	1895.22 ug/L	1895.22 ug/L	13:31:05
2	Si 251.611†	78541.1	81645.0	7035.99 ug/L	7035.99 ug/L	13:30:45
2	Sn 189.927†	4127.8	4283.5	1935.41 ug/L	1935.41 ug/L	13:31:05
2	Tl 190.801†	1530.4	1637.1	1976.06 ug/L	1976.06 ug/L	13:31:05
2	V 292.395†	17251.5	19218.0	393.864 ug/L	393.864 ug/L	13:30:45
2	Zn 206.200†	3549.0	3757.6	378.305 ug/L	378.305 ug/L	13:31:05

Mean Data: 1001064-MS1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	195128.4	98.2826	%	1.27195				1.29%
Y 360.076	261784.2	96.4404	%	0.35228				0.37%
Ag 328.068†	25926.8	392.255	ug/L	0.6422	392.255	ug/L	0.6422	0.16%
Al 396.153†	6371.8	1932.09	ug/L	34.791	1932.09	ug/L	34.791	1.80%
As 188.979†	1355.4	1936.37	ug/L	5.092	1936.37	ug/L	5.092	0.26%
B 249.677†	8300.5	435.188	ug/L	0.4611	435.188	ug/L	0.4611	0.11%
Ba 455.398†	153266.8	491.263	ug/L	3.2753	491.263	ug/L	3.2753	0.67%
Be 234.861†	8372.4	38.8197	ug/L	0.31408	38.8197	ug/L	0.31408	0.81%
Ca 315.887†	161514.4	104.294	mg/L	0.6957	104.294	mg/L	0.6957	0.67%
Cd 214.437†	10170.5	379.325	ug/L	3.1086	379.325	ug/L	3.1086	0.82%
Ce 413.764†	-15.3	-0.480742	ug/L	0.2344410	-0.480742	ug/L	0.2344410	48.77%
Co 228.616†	2512.9	381.391	ug/L	0.0833	381.391	ug/L	0.0833	0.02%
Cr 205.557†	4666.5	386.266	ug/L	4.4874	386.266	ug/L	4.4874	1.16%
Cu 327.397†	13905.6	394.539	ug/L	0.1198	394.539	ug/L	0.1198	0.03%
Fe 238.204†	952.6	386.560	ug/L	5.1797	386.560	ug/L	5.1797	1.34%
K 766.490	16313.4	21.6574	mg/L	0.15175	21.6574	mg/L	0.15175	0.70%
Li 670.784†	14338.7	392.025	ug/L	3.0436	392.025	ug/L	3.0436	0.78%
Mg 279.071†	20489.5	42.3274	mg/L	0.44208	42.3274	mg/L	0.44208	1.04%
Mn 257.610†	57483.3	387.489	ug/L	0.5882	387.489	ug/L	0.5882	0.15%
Mo 202.031†	3354.0	407.276	ug/L	4.2320	407.276	ug/L	4.2320	1.04%
Na 589.592†	401455.6	57.6953	mg/L	0.50792	57.6953	mg/L	0.50792	0.88%
Ni 231.604†	4828.2	378.836	ug/L	3.0490	378.836	ug/L	3.0490	0.80%
Pb 220.353†	672.2	390.569	ug/L	8.5750	390.569	ug/L	8.5750	2.20%
Sb 217.584†	2722.9	1952.24	ug/L	13.430	1952.24	ug/L	13.430	0.69%
Se 196.026†	875.1	1874.82	ug/L	28.848	1874.82	ug/L	28.848	1.54%
Si 251.611†	81604.0	7032.55	ug/L	4.867	7032.55	ug/L	4.867	0.07%
Sn 189.927†	4253.7	1921.92	ug/L	19.073	1921.92	ug/L	19.073	0.99%
Sr 407.771†	461568.8	552.916	ug/L	3.6506	552.916	ug/L	3.6506	0.66%
Ti 334.940†	6108.9	390.407	ug/L	5.8039	390.407	ug/L	5.8039	1.49%
Tl 190.801†	1631.0	1968.64	ug/L	10.491	1968.64	ug/L	10.491	0.53%
V 292.395†	19202.5	393.522	ug/L	0.4841	393.522	ug/L	0.4841	0.12%
Zn 206.200†	3724.4	374.938	ug/L	4.7625	374.938	ug/L	4.7625	1.27%

Sequence No.: 45
Sample ID: 1001064-MSD1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 43
Date Collected: 2/10/2010 1:32:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001064-MSD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	197266.0	197266.0	99.3592	%			13:33:25
1	Al 396.153†	6365.1	6220.0	1885.69	ug/L	1885.69	ug/L	13:33:45
1	Ba 455.398†	149429.3	150385.8	482.049	ug/L	482.049	ug/L	13:33:25
1	Ca 315.887†	157347.6	158242.5	102.181	mg/L	102.181	mg/L	13:33:25
1	Fe 238.204†	958.7	937.8	380.546	ug/L	380.546	ug/L	13:33:45
1	K 766.490	16402.4	16314.3	21.6585	mg/L	21.6585	mg/L	13:33:25
1	Li 670.784†	14038.9	14062.7	384.481	ug/L	384.481	ug/L	13:33:25
1	Mg 279.071†	19943.1	20059.9	41.4397	mg/L	41.4397	mg/L	13:33:25
1	Na 589.592†	391113.1	392914.0	56.4680	mg/L	56.4680	mg/L	13:33:25
1	Sr 407.771†	449993.9	452650.8	542.251	ug/L	542.251	ug/L	13:33:25
1	Ti 334.940†	5951.9	6015.3	384.457	ug/L	384.457	ug/L	13:33:45
1	Y 360.076	261210.8	261210.8	96.2291	%			13:34:17
1	Ag 328.068†	24700.6	25561.5	386.713	ug/L	386.713	ug/L	13:34:17
1	As 188.979†	1275.2	1354.5	1935.11	ug/L	1935.11	ug/L	13:34:37
1	B 249.677†	8199.5	8175.3	428.532	ug/L	428.532	ug/L	13:34:17
1	Be 234.861†	7169.8	8324.1	38.5959	ug/L	38.5959	ug/L	13:34:37
1	Cd 214.437†	10186.6	10120.5	377.448	ug/L	377.448	ug/L	13:34:37
1	Ce 413.764†	823.4	-5.1	-0.206156	ug/L	-0.206156	ug/L	13:34:17
1	Co 228.616†	2315.6	2498.2	379.161	ug/L	379.161	ug/L	13:34:37
1	Cr 205.557†	4430.6	4637.1	383.819	ug/L	383.819	ug/L	13:34:37
1	Cu 327.397†	13217.2	13724.1	389.371	ug/L	389.371	ug/L	13:34:17
1	Mn 257.610†	55058.0	56765.3	382.619	ug/L	382.619	ug/L	13:34:17
1	Mo 202.031†	3321.8	3354.0	407.274	ug/L	407.274	ug/L	13:34:37
1	Ni 231.604†	4971.3	4797.3	376.394	ug/L	376.394	ug/L	13:34:37
1	Pb 220.353†	675.0	667.7	387.900	ug/L	387.900	ug/L	13:34:37
1	Sb 217.584†	2579.8	2733.2	1959.60	ug/L	1959.60	ug/L	13:34:37
1	Se 196.026†	796.1	866.5	1856.43	ug/L	1856.43	ug/L	13:34:37
1	Si 251.611†	76654.8	79652.7	6863.93	ug/L	6863.93	ug/L	13:34:17
1	Sn 189.927†	4104.6	4257.7	1923.29	ug/L	1923.29	ug/L	13:34:37
1	Tl 190.801†	1516.9	1622.5	1958.40	ug/L	1958.40	ug/L	13:34:37
1	V 292.395†	17005.2	18955.0	388.501	ug/L	388.501	ug/L	13:34:17
1	Zn 206.200†	3465.6	3669.6	369.388	ug/L	369.388	ug/L	13:34:37
2	Sc 357.234	196545.3	196545.3	98.9962	%			13:33:50
2	Al 396.153†	6400.5	6279.3	1903.78	ug/L	1903.78	ug/L	13:34:10
2	Ba 455.398†	149612.4	151122.3	484.404	ug/L	484.404	ug/L	13:33:50
2	Ca 315.887†	157286.5	158761.4	102.516	mg/L	102.516	mg/L	13:33:50
2	Fe 238.204†	955.8	938.5	380.790	ug/L	380.790	ug/L	13:34:10
2	K 766.490	16343.0	16254.9	21.5796	mg/L	21.5796	mg/L	13:33:50
2	Li 670.784†	14065.1	14140.9	386.618	ug/L	386.618	ug/L	13:33:50
2	Mg 279.071†	19969.5	20160.1	41.6469	mg/L	41.6469	mg/L	13:33:50
2	Na 589.592†	391220.1	394465.4	56.6909	mg/L	56.6909	mg/L	13:33:50
2	Sr 407.771†	450226.3	454546.2	544.518	ug/L	544.518	ug/L	13:33:50
2	Ti 334.940†	5974.4	6060.0	387.299	ug/L	387.299	ug/L	13:34:10
2	Y 360.076	264718.0	264718.0	97.5212	%			13:34:42
2	Ag 328.068†	24815.0	25338.7	383.351	ug/L	383.351	ug/L	13:34:42
2	As 188.979†	1289.8	1352.0	1931.41	ug/L	1931.41	ug/L	13:35:02
2	B 249.677†	8280.2	8145.2	426.938	ug/L	426.938	ug/L	13:34:42
2	Be 234.861†	7199.9	8256.2	38.2781	ug/L	38.2781	ug/L	13:35:02
2	Cd 214.437†	10207.4	10001.5	372.980	ug/L	372.980	ug/L	13:35:02
2	Ce 413.764†	841.2	1.8	-0.0236723	ug/L	-0.0236723	ug/L	13:34:42
2	Co 228.616†	2314.8	2465.5	374.151	ug/L	374.151	ug/L	13:35:02
2	Cr 205.557†	4450.1	4596.1	380.408	ug/L	380.408	ug/L	13:35:02
2	Cu 327.397†	13258.3	13584.2	385.393	ug/L	385.393	ug/L	13:34:42
2	Mn 257.610†	55172.9	56125.0	378.277	ug/L	378.277	ug/L	13:34:42
2	Mo 202.031†	3336.1	3322.9	403.496	ug/L	403.496	ug/L	13:35:02
2	Ni 231.604†	4968.3	4725.8	370.736	ug/L	370.736	ug/L	13:35:02
2	Pb 220.353†	658.6	641.5	372.562	ug/L	372.562	ug/L	13:35:02
2	Sb 217.584†	2582.6	2700.5	1936.15	ug/L	1936.15	ug/L	13:35:02
2	Se 196.026†	793.3	852.6	1826.81	ug/L	1826.81	ug/L	13:35:02
2	Si 251.611†	76795.4	78741.5	6785.04	ug/L	6785.04	ug/L	13:34:42
2	Sn 189.927†	4135.2	4232.6	1912.11	ug/L	1912.11	ug/L	13:35:02

2	Tl 190.801†	1509.1	1593.6	1923.57 ug/L	1923.57 ug/L	13:35:02
2	V 292.395†	16995.2	18710.6	383.498 ug/L	383.498 ug/L	13:34:42
2	Zn 206.200†	3478.0	3634.5	365.818 ug/L	365.818 ug/L	13:35:02

Mean Data: 1001064-MSD1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	196905.7	99.1777	%	0.25668				0.26%
Y 360.076	262964.4	96.8751	%	0.91361				0.94%
Ag 328.068†	25450.1	385.032	ug/L	2.3773	385.032	ug/L	2.3773	0.62%
Al 396.153†	6249.7	1894.73	ug/L	12.785	1894.73	ug/L	12.785	0.67%
As 188.979†	1353.3	1933.26	ug/L	2.618	1933.26	ug/L	2.618	0.14%
B 249.677†	8160.3	427.735	ug/L	1.1276	427.735	ug/L	1.1276	0.26%
Ba 455.398†	150754.0	483.226	ug/L	1.6654	483.226	ug/L	1.6654	0.34%
Be 234.861†	8290.2	38.4370	ug/L	0.22469	38.4370	ug/L	0.22469	0.58%
Ca 315.887†	158502.0	102.349	mg/L	0.2370	102.349	mg/L	0.2370	0.23%
Cd 214.437†	10061.0	375.214	ug/L	3.1598	375.214	ug/L	3.1598	0.84%
Ce 413.764†	-1.6	-0.114914	ug/L	0.1290353	-0.114914	ug/L	0.1290353	112.29%
Co 228.616†	2481.9	376.656	ug/L	3.5431	376.656	ug/L	3.5431	0.94%
Cr 205.557†	4616.6	382.113	ug/L	2.4124	382.113	ug/L	2.4124	0.63%
Cu 327.397†	13654.1	387.382	ug/L	2.8127	387.382	ug/L	2.8127	0.73%
Fe 238.204†	938.2	380.668	ug/L	0.1725	380.668	ug/L	0.1725	0.05%
K 766.490	16284.6	21.6191	mg/L	0.05578	21.6191	mg/L	0.05578	0.26%
Li 670.784†	14101.8	385.550	ug/L	1.5109	385.550	ug/L	1.5109	0.39%
Mg 279.071†	20110.0	41.5433	mg/L	0.14645	41.5433	mg/L	0.14645	0.35%
Mn 257.610†	56445.1	380.448	ug/L	3.0701	380.448	ug/L	3.0701	0.81%
Mo 202.031†	3338.5	405.385	ug/L	2.6720	405.385	ug/L	2.6720	0.66%
Na 589.592†	393689.7	56.5795	mg/L	0.15762	56.5795	mg/L	0.15762	0.28%
Ni 231.604†	4761.5	373.565	ug/L	4.0008	373.565	ug/L	4.0008	1.07%
Pb 220.353†	654.6	380.231	ug/L	10.8451	380.231	ug/L	10.8451	2.85%
Sb 217.584†	2716.8	1947.88	ug/L	16.582	1947.88	ug/L	16.582	0.85%
Se 196.026†	859.6	1841.62	ug/L	20.938	1841.62	ug/L	20.938	1.14%
Si 251.611†	79197.1	6824.49	ug/L	55.782	6824.49	ug/L	55.782	0.82%
Sn 189.927†	4245.2	1917.70	ug/L	7.905	1917.70	ug/L	7.905	0.41%
Sr 407.771†	453598.5	543.385	ug/L	1.6028	543.385	ug/L	1.6028	0.29%
Ti 334.940†	6037.7	385.878	ug/L	2.0098	385.878	ug/L	2.0098	0.52%
Tl 190.801†	1608.1	1940.98	ug/L	24.635	1940.98	ug/L	24.635	1.27%
V 292.395†	18832.8	386.000	ug/L	3.5377	386.000	ug/L	3.5377	0.92%
Zn 206.200†	3652.1	367.603	ug/L	2.5242	367.603	ug/L	2.5242	0.69%

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Sequence No.: 46
Sample ID: SRD1
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 44
Date Collected: 2/10/2010 1:36:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: SRD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	199571.3	199571.3	100.520	%			13:37:20
1	Al 396.153†	176.1	-10.9	-10.4993	ug/L	-52.4966	ug/L	13:37:20
1	Ba 455.398†	6845.8	6803.3	22.8582	ug/L	114.291	ug/L	13:37:20
1	Ca 315.887†	27067.6	26807.6	17.3012	mg/L	86.5062	mg/L	13:37:20
1	Fe 238.204†	38.0	10.8	2.21807	ug/L	11.0903	ug/L	13:37:40
1	K 766.490	494.0	405.9	0.525094	mg/L	2.62547	mg/L	13:37:20
1	Li 670.784†	114.3	46.9	1.50659	ug/L	7.53296	ug/L	13:37:20
1	Mg 279.071†	2371.3	2347.2	4.84042	mg/L	24.2021	mg/L	13:37:40
1	Na 589.592†	55622.9	54613.5	7.85940	mg/L	39.2970	mg/L	13:37:20
1	Sr 407.771†	29532.5	29134.5	35.7844	ug/L	178.922	ug/L	13:37:20
1	Ti 334.940†	-18.9	6.3	2.27018	ug/L	11.3509	ug/L	13:37:40
1	Y 360.076	273442.7	273442.7	100.735	%			13:38:12
1	Ag 328.068†	96.2	-11.6	-0.645567	ug/L	-3.22783	ug/L	13:38:32
1	As 188.979†	-25.4	4.1	0.0572218	ug/L	0.286109	ug/L	13:38:32
1	B 249.677†	667.3	317.0	11.1012	ug/L	55.5059	ug/L	13:38:32
1	Be 234.861†	-863.5	16.1	-0.135278	ug/L	-0.676391	ug/L	13:38:32
1	Cd 214.437†	463.0	-5.7	-2.87399	ug/L	-14.3699	ug/L	13:38:32
1	Ce 413.764†	816.3	-50.4	-1.34608	ug/L	-6.73042	ug/L	13:38:12
1	Co 228.616†	-90.7	1.8	-2.05989	ug/L	-10.2994	ug/L	13:38:32

1	Cr 205.557†	-38.9	-5.8	-2.64692 ug/L	-13.2346 ug/L	13:38:32
1	Cu 327.397†	-0.2	-11.2	-1.59758 ug/L	-7.98788 ug/L	13:38:12
1	Mn 257.610†	307.0	-145.6	-3.34401 ug/L	-16.7201 ug/L	13:38:32
1	Mo 202.031†	128.2	29.3	2.75308 ug/L	13.7654 ug/L	13:38:32
1	Ni 231.604†	365.0	-6.4	-3.79591 ug/L	-18.9795 ug/L	13:38:32
1	Pb 220.353†	34.2	0.2	-3.06552 ug/L	-15.3276 ug/L	13:38:32
1	Sb 217.584†	-51.5	1.2	-4.02969 ug/L	-20.1484 ug/L	13:38:32
1	Se 196.026†	-44.8	-5.3	-6.23958 ug/L	-31.1979 ug/L	13:38:32
1	Si 251.611†	10896.9	10811.4	919.547 ug/L	4597.74 ug/L	13:38:12
1	Sn 189.927†	-15.9	-23.5	-13.3151 ug/L	-66.5755 ug/L	13:38:32
1	Tl 190.801†	-62.4	-15.8	-18.9638 ug/L	-94.8189 ug/L	13:38:32
1	V 292.395†	-1274.2	18.6	0.103617 ug/L	0.518084 ug/L	13:38:32
1	Zn 206.200†	-66.4	2.2	-2.56519 ug/L	-12.8260 ug/L	13:38:32
2	Sc 357.234	199919.6	199919.6	100.696 %		13:37:45
2	Al 396.153†	174.2	-13.1	-11.1457 ug/L	-55.7284 ug/L	13:37:45
2	Ba 455.398†	6894.6	6839.9	22.9751 ug/L	114.875 ug/L	13:37:45
2	Ca 315.887†	27225.6	26917.7	17.3723 mg/L	86.8616 mg/L	13:37:45
2	Fe 238.204†	43.9	16.6	4.58710 ug/L	22.9355 ug/L	13:38:05
2	K 766.490	518.0	429.9	0.557013 mg/L	2.78506 mg/L	13:37:45
2	Li 670.784†	155.4	87.5	2.61611 ug/L	13.0806 ug/L	13:37:45
2	Mg 279.071†	2371.2	2343.0	4.83180 mg/L	24.1590 mg/L	13:38:05
2	Na 589.592†	55875.5	54768.0	7.88159 mg/L	39.4080 mg/L	13:37:45
2	Sr 407.771†	29628.4	29178.6	35.8371 ug/L	179.185 ug/L	13:37:45
2	Ti 334.940†	-22.6	2.6	2.03849 ug/L	10.1924 ug/L	13:38:05
2	Y 360.076	271210.3	271210.3	99.9129 %		13:38:37
2	Ag 328.068†	86.4	-20.6	-0.783563 ug/L	-3.91782 ug/L	13:38:57
2	As 188.979†	-30.9	-1.6	-8.17404 ug/L	-40.8702 ug/L	13:38:57
2	B 249.677†	647.8	302.9	10.3582 ug/L	51.7908 ug/L	13:38:57
2	Be 234.861†	-872.4	0.1	-0.210718 ug/L	-1.05359 ug/L	13:38:57
2	Cd 214.437†	470.5	5.6	-2.44947 ug/L	-12.2474 ug/L	13:38:57
2	Ce 413.764†	791.3	-68.8	-1.83631 ug/L	-9.18156 ug/L	13:38:37
2	Co 228.616†	-93.1	-1.3	-2.53711 ug/L	-12.6856 ug/L	13:38:57
2	Cr 205.557†	-27.5	5.3	-1.72578 ug/L	-8.62890 ug/L	13:38:57
2	Cu 327.397†	24.1	13.0	-0.908141 ug/L	-4.54071 ug/L	13:38:37
2	Mn 257.610†	315.1	-134.9	-3.27154 ug/L	-16.3577 ug/L	13:38:57
2	Mo 202.031†	125.0	27.1	2.49047 ug/L	12.4524 ug/L	13:38:57
2	Ni 231.604†	384.9	16.4	-1.98705 ug/L	-9.93523 ug/L	13:38:57
2	Pb 220.353†	45.3	11.6	3.58388 ug/L	17.9194 ug/L	13:38:57
2	Sb 217.584†	-49.6	2.6	-2.97944 ug/L	-14.8972 ug/L	13:38:57
2	Se 196.026†	-45.0	-5.8	-7.46531 ug/L	-37.3266 ug/L	13:38:57
2	Si 251.611†	10964.6	10968.2	933.117 ug/L	4665.59 ug/L	13:38:37
2	Sn 189.927†	-25.4	-33.2	-17.6532 ug/L	-88.2660 ug/L	13:38:57
2	Tl 190.801†	-47.8	-1.7	-2.00621 ug/L	-10.0310 ug/L	13:38:57
2	V 292.395†	-1318.5	-36.3	-1.01251 ug/L	-5.06256 ug/L	13:38:57
2	Zn 206.200†	-72.1	-4.0	-3.19565 ug/L	-15.9782 ug/L	13:38:57

Mean Data: SRD1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	199745.5	100.608	%	0.1241				0.12%
Y 360.076	272326.5	100.324	%	0.5815				0.58%
Ag 328.068†	-16.1	-0.714565	ug/L	0.0975783	-3.57282	ug/L	0.487891	13.66%
Al 396.153†	-12.0	-10.8225	ug/L	0.45704	-54.1125	ug/L	2.28520	4.22%
As 188.979†	1.3	-4.05841	ug/L	5.820383	-20.2921	ug/L	29.10191	143.42%
B 249.677†	309.9	10.7297	ug/L	0.52540	53.6483	ug/L	2.62701	4.90%
Ba 455.398†	6821.6	22.9166	ug/L	0.08269	114.583	ug/L	0.4134	0.36%
Be 234.861†	8.1	-0.172998	ug/L	0.0533441	-0.864991	ug/L	0.2667203	30.84%
Ca 315.887†	26862.6	17.3368	mg/L	0.05026	86.6839	mg/L	0.25129	0.29%
Cd 214.437†	-0.0	-2.66173	ug/L	0.300176	-13.3086	ug/L	1.50088	11.28%
Ce 413.764†	-59.6	-1.59120	ug/L	0.346644	-7.95599	ug/L	1.733218	21.79%
Co 228.616†	0.3	-2.29850	ug/L	0.337446	-11.4925	ug/L	1.68723	14.68%
Cr 205.557†	-0.2	-2.18635	ug/L	0.651341	-10.9317	ug/L	3.25670	29.79%
Cu 327.397†	0.9	-1.25286	ug/L	0.487504	-6.26429	ug/L	2.437519	38.91%
Fe 238.204†	13.7	3.40258	ug/L	1.675156	17.0129	ug/L	8.37578	49.23%
K 766.490	417.9	0.541053	mg/L	0.0225705	2.70527	mg/L	0.112852	4.17%
Li 670.784†	67.2	2.06135	ug/L	0.784550	10.3068	ug/L	3.92275	38.06%
Mg 279.071†	2345.1	4.83611	mg/L	0.006098	24.1806	mg/L	0.03049	0.13%
Mn 257.610†	-140.2	-3.30778	ug/L	0.051245	-16.5389	ug/L	0.25622	1.55%
Mo 202.031†	28.2	2.62178	ug/L	0.185692	13.1089	ug/L	0.92846	7.08%
Na 589.592†	54690.8	7.87049	mg/L	0.015696	39.3525	mg/L	0.07848	0.20%

Ni 231.604†	5.0	-2.89148 ug/L	1.279059	-14.4574 ug/L	6.39530	44.24%
Pb 220.353†	5.9	0.259182 ug/L	4.7018324	1.29591 ug/L	23.509162	>999.9%
Sb 217.584†	1.9	-3.50456 ug/L	0.742635	-17.5228 ug/L	3.71317	21.19%
Se 196.026†	-5.6	-6.85245 ug/L	0.866722	-34.2622 ug/L	4.33361	12.65%
Si 251.611†	10889.8	926.332 ug/L	9.5953	4631.66 ug/L	47.977	1.04%
Sn 189.927†	-28.3	-15.4841 ug/L	3.06750	-77.4207 ug/L	15.33749	19.81%
Sr 407.771†	29156.6	35.8107 ug/L	0.03726	179.054 ug/L	0.1863	0.10%
Ti 334.940†	4.5	2.15433 ug/L	0.163834	10.7717 ug/L	0.81917	7.60%
Tl 190.801†	-8.8	-10.4850 ug/L	11.99082	-52.4250 ug/L	59.95409	114.36%
V 292.395†	-8.8	-0.454447 ug/L	0.7892216	-2.27224 ug/L	3.946108	173.67%
Zn 206.200†	-0.9	-2.88042 ug/L	0.445799	-14.4021 ug/L	2.22899	15.48%

Sequence No.: 47
Sample ID: 1001064-PS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 45
Date Collected: 2/10/2010 1:40:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001064-PS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	197229.6	197229.6	99.3409	%			13:41:19
1	Al 396.153†	4112.5	3953.6	1202.14	ug/L	1202.14	ug/L	13:41:39
1	Ba 455.398†	107263.3	107967.9	346.392	ug/L	346.392	ug/L	13:41:19
1	Ca 315.887†	152045.5	152934.4	98.7531	mg/L	98.7531	mg/L	13:41:19
1	Fe 238.204†	631.8	609.0	245.966	ug/L	245.966	ug/L	13:41:39
1	K 766.490	11285.1	11196.9	14.8605	mg/L	14.8605	mg/L	13:41:19
1	Li 670.784†	8995.1	8988.0	245.818	ug/L	245.818	ug/L	13:41:19
1	Mg 279.071†	17117.6	17219.4	35.5705	mg/L	35.5705	mg/L	13:41:19
1	Na 589.592†	354402.7	356032.5	51.1687	mg/L	51.1687	mg/L	13:41:19
1	Sr 407.771†	340308.4	342321.1	410.312	ug/L	410.312	ug/L	13:41:19
1	Ti 334.940†	3802.2	3852.6	246.900	ug/L	246.900	ug/L	13:41:39
1	Y 360.076	261005.5	261005.5	96.1535	%			13:42:10
1	Ag 328.068†	16039.2	16573.8	250.877	ug/L	250.877	ug/L	13:42:10
1	As 188.979†	816.4	878.4	1252.91	ug/L	1252.91	ug/L	13:42:30
1	B 249.677†	5916.2	5807.4	302.803	ug/L	302.803	ug/L	13:42:30
1	Be 234.861†	4292.8	5337.9	24.6738	ug/L	24.6738	ug/L	13:42:30
1	Cd 214.437†	6708.6	6511.7	241.907	ug/L	241.907	ug/L	13:42:30
1	Ce 413.764†	809.2	-19.2	-0.557418	ug/L	-0.557418	ug/L	13:42:10
1	Co 228.616†	1464.6	1615.1	244.296	ug/L	244.296	ug/L	13:42:30
1	Cr 205.557†	2827.3	2973.2	245.316	ug/L	245.316	ug/L	13:42:30
1	Cu 327.397†	8368.3	8692.0	246.138	ug/L	246.138	ug/L	13:42:10
1	Mn 257.610†	35316.0	36278.5	243.680	ug/L	243.680	ug/L	13:42:10
1	Mo 202.031†	2192.5	2182.2	264.703	ug/L	264.703	ug/L	13:42:30
1	Ni 231.604†	3339.3	3104.1	242.391	ug/L	242.391	ug/L	13:42:30
1	Pb 220.353†	443.3	427.3	247.110	ug/L	247.110	ug/L	13:42:30
1	Sb 217.584†	1638.3	1756.1	1257.33	ug/L	1257.33	ug/L	13:42:30
1	Se 196.026†	497.5	556.5	1194.10	ug/L	1194.10	ug/L	13:42:30
1	Si 251.611†	69411.3	72182.1	6221.34	ug/L	6221.34	ug/L	13:42:10
1	Sn 189.927†	2634.2	2731.9	1238.93	ug/L	1238.93	ug/L	13:42:30
1	Tl 190.801†	959.4	1043.9	1260.05	ug/L	1260.05	ug/L	13:42:30
1	V 292.395†	10538.0	12243.0	250.845	ug/L	250.845	ug/L	13:42:30
1	Zn 206.200†	2239.9	2397.6	240.200	ug/L	240.200	ug/L	13:42:30
2	Sc 357.234	195673.6	195673.6	98.5572	%			13:41:44
2	Al 396.153†	4116.8	3991.0	1213.68	ug/L	1213.68	ug/L	13:42:04
2	Ba 455.398†	107585.2	109153.1	350.183	ug/L	350.183	ug/L	13:41:44
2	Ca 315.887†	152534.7	154647.9	99.8597	mg/L	99.8597	mg/L	13:41:44
2	Fe 238.204†	638.6	620.9	250.821	ug/L	250.821	ug/L	13:42:04
2	K 766.490	11307.4	11219.2	14.8901	mg/L	14.8901	mg/L	13:41:44
2	Li 670.784†	9000.6	9065.5	247.936	ug/L	247.936	ug/L	13:41:44
2	Mg 279.071†	17174.1	17413.7	35.9720	mg/L	35.9720	mg/L	13:41:44
2	Na 589.592†	355368.2	359849.2	51.7171	mg/L	51.7171	mg/L	13:41:44
2	Sr 407.771†	340925.8	345671.8	414.319	ug/L	414.319	ug/L	13:41:44
2	Ti 334.940†	3817.9	3898.9	249.849	ug/L	249.849	ug/L	13:42:04
2	Y 360.076	261538.6	261538.6	96.3499	%			13:42:35
2	Ag 328.068†	16095.3	16598.0	251.257	ug/L	251.257	ug/L	13:42:35
2	As 188.979†	802.6	862.4	1229.86	ug/L	1229.86	ug/L	13:42:55
2	B 249.677†	5891.5	5769.3	300.784	ug/L	300.784	ug/L	13:42:55
2	Be 234.861†	4303.1	5339.4	24.6791	ug/L	24.6791	ug/L	13:42:55

2	Cd 214.437†	6713.0	6502.0	241.545 ug/L	241.545 ug/L	13:42:55
2	Ce 413.764†	834.9	5.7	0.106555 ug/L	0.106555 ug/L	13:42:35
2	Co 228.616†	1440.0	1586.4	239.901 ug/L	239.901 ug/L	13:42:55
2	Cr 205.557†	2826.1	2966.0	244.721 ug/L	244.721 ug/L	13:42:55
2	Cu 327.397†	8364.6	8670.5	245.527 ug/L	245.527 ug/L	13:42:35
2	Mn 257.610†	35344.8	36233.4	243.375 ug/L	243.375 ug/L	13:42:35
2	Mo 202.031†	2200.9	2186.3	265.199 ug/L	265.199 ug/L	13:42:55
2	Ni 231.604†	3331.2	3088.6	241.169 ug/L	241.169 ug/L	13:42:55
2	Pb 220.353†	445.1	428.2	247.637 ug/L	247.637 ug/L	13:42:55
2	Sb 217.584†	1642.8	1757.3	1258.22 ug/L	1258.22 ug/L	13:42:55
2	Se 196.026†	490.6	548.4	1176.67 ug/L	1176.67 ug/L	13:42:55
2	Si 251.611†	69678.9	72312.7	6232.56 ug/L	6232.56 ug/L	13:42:35
2	Sn 189.927†	2626.0	2717.8	1232.85 ug/L	1232.85 ug/L	13:42:55
2	Tl 190.801†	956.2	1038.5	1253.60 ug/L	1253.60 ug/L	13:42:55
2	V 292.395†	10495.3	12176.3	249.493 ug/L	249.493 ug/L	13:42:55
2	Zn 206.200†	2230.7	2383.3	238.739 ug/L	238.739 ug/L	13:42:55

Mean Data: 1001064-PS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	196451.6	98.9490	%	0.55420				0.56%
Y 360.076	261272.1	96.2517	%	0.13887				0.14%
Ag 328.068†	16585.9	251.067	ug/L	0.2693	251.067	ug/L	0.2693	0.11%
Al 396.153†	3972.3	1207.91	ug/L	8.157	1207.91	ug/L	8.157	0.68%
As 188.979†	870.4	1241.38	ug/L	16.297	1241.38	ug/L	16.297	1.31%
B 249.677†	5788.3	301.794	ug/L	1.4278	301.794	ug/L	1.4278	0.47%
Ba 455.398†	108560.5	348.287	ug/L	2.6804	348.287	ug/L	2.6804	0.77%
Be 234.861†	5338.6	24.6764	ug/L	0.00374	24.6764	ug/L	0.00374	0.02%
Ca 315.887†	153791.1	99.3064	mg/L	0.78245	99.3064	mg/L	0.78245	0.79%
Cd 214.437†	6506.8	241.726	ug/L	0.2559	241.726	ug/L	0.2559	0.11%
Ce 413.764†	-6.7	-0.225431	ug/L	0.4695001	-0.225431	ug/L	0.4695001	208.27%
Co 228.616†	1600.7	242.098	ug/L	3.1072	242.098	ug/L	3.1072	1.28%
Cr 205.557†	2969.6	245.019	ug/L	0.4212	245.019	ug/L	0.4212	0.17%
Cu 327.397†	8681.3	245.833	ug/L	0.4323	245.833	ug/L	0.4323	0.18%
Fe 238.204†	615.0	248.393	ug/L	3.4333	248.393	ug/L	3.4333	1.38%
K 766.490	11208.1	14.8753	mg/L	0.02095	14.8753	mg/L	0.02095	0.14%
Li 670.784†	9026.8	246.877	ug/L	1.4981	246.877	ug/L	1.4981	0.61%
Mg 279.071†	17316.5	35.7713	mg/L	0.28396	35.7713	mg/L	0.28396	0.79%
Mn 257.610†	36256.0	243.527	ug/L	0.2158	243.527	ug/L	0.2158	0.09%
Mo 202.031†	2184.3	264.951	ug/L	0.3508	264.951	ug/L	0.3508	0.13%
Na 589.592†	357940.9	51.4429	mg/L	0.38777	51.4429	mg/L	0.38777	0.75%
Ni 231.604†	3096.4	241.780	ug/L	0.8644	241.780	ug/L	0.8644	0.36%
Pb 220.353†	427.8	247.373	ug/L	0.3726	247.373	ug/L	0.3726	0.15%
Sb 217.584†	1756.7	1257.77	ug/L	0.631	1257.77	ug/L	0.631	0.05%
Se 196.026†	552.4	1185.39	ug/L	12.327	1185.39	ug/L	12.327	1.04%
Si 251.611†	72247.4	6226.95	ug/L	7.935	6226.95	ug/L	7.935	0.13%
Sn 189.927†	2724.9	1235.89	ug/L	4.298	1235.89	ug/L	4.298	0.35%
Sr 407.771†	343996.5	412.316	ug/L	2.8334	412.316	ug/L	2.8334	0.69%
Ti 334.940†	3875.7	248.374	ug/L	2.0851	248.374	ug/L	2.0851	0.84%
Tl 190.801†	1041.2	1256.83	ug/L	4.562	1256.83	ug/L	4.562	0.36%
V 292.395†	12209.7	250.169	ug/L	0.9564	250.169	ug/L	0.9564	0.38%
Zn 206.200†	2390.5	239.470	ug/L	1.0331	239.470	ug/L	1.0331	0.43%

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Sequence No.: 48
Sample ID: 1002085-02
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 46
Date Collected: 2/10/2010 1:44:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002085-02

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	196251.1	196251.1	98.8481	%			13:45:14
1	Al 396.153†	98.2	-86.8	-16.2145	ug/L	-16.2145	ug/L	13:45:19
1	Ba 455.398†	19305.1	19523.0	63.5371	ug/L	63.5371	ug/L	13:45:19
1	Ca 315.887†	143645.4	145199.6	93.7580	mg/L	93.7580	mg/L	13:45:14
1	Fe 238.204†	100.5	74.7	27.1277	ug/L	27.1277	ug/L	13:45:39
1	K 766.490	2519.0	2430.9	3.21530	mg/L	3.21530	mg/L	13:45:19

1	Li 670.784†	218.4	154.1	4.43557 ug/L	4.43557 ug/L	13:45:19
1	Mg 279.071†	13134.5	13275.8	27.4220 mg/L	27.4220 mg/L	13:45:19
1	Na 589.592†	504623.8	509783.1	73.2603 mg/L	73.2603 mg/L	13:45:14
1	Sr 407.771†	142733.7	144152.0	173.329 ug/L	173.329 ug/L	13:45:14
1	Ti 334.940†	-45.3	-20.8	0.551023 ug/L	0.551023 ug/L	13:45:39
1	Y 360.076	266742.0	266742.0	98.2668 %		13:46:16
1	Ag 328.068†	26.3	-80.3	-0.807392 ug/L	-0.807392 ug/L	13:46:16
1	As 188.979†	-26.0	2.9	-1.76072 ug/L	-1.76072 ug/L	13:46:36
1	B 249.677†	1294.0	971.4	45.9559 ug/L	45.9559 ug/L	13:46:36
1	Be 234.861†	-882.5	-24.8	-0.335174 ug/L	-0.335174 ug/L	13:46:36
1	Cd 214.437†	475.5	18.6	-1.96604 ug/L	-1.96604 ug/L	13:46:36
1	Ce 413.764†	794.4	-52.3	-1.39601 ug/L	-1.39601 ug/L	13:46:16
1	Co 228.616†	-91.6	-1.4	-2.54567 ug/L	-2.54567 ug/L	13:46:36
1	Cr 205.557†	-29.4	2.9	-1.92454 ug/L	-1.92454 ug/L	13:46:36
1	Cu 327.397†	18.8	8.0	-1.05020 ug/L	-1.05020 ug/L	13:46:16
1	Mn 257.610†	19437.0	19329.5	128.730 ug/L	128.730 ug/L	13:46:16
1	Mo 202.031†	192.3	97.8	11.0882 ug/L	11.0882 ug/L	13:46:36
1	Ni 231.604†	402.0	40.3	-0.0837753 ug/L	-0.0837753 ug/L	13:46:36
1	Pb 220.353†	35.0	1.9	-2.09527 ug/L	-2.09527 ug/L	13:46:36
1	Sb 217.584†	-67.6	-16.5	-16.6592 ug/L	-16.6592 ug/L	13:46:36
1	Se 196.026†	-43.7	-5.4	-6.38292 ug/L	-6.38292 ug/L	13:46:36
1	Si 251.611†	49120.4	49980.9	4307.49 ug/L	4307.49 ug/L	13:46:16
1	Sn 189.927†	-86.8	-96.1	-29.1654 ug/L	-29.1654 ug/L	13:46:36
1	Tl 190.801†	-54.9	-9.7	-11.6305 ug/L	-11.6305 ug/L	13:46:36
1	V 292.395†	-1309.6	-49.3	-1.18852 ug/L	-1.18852 ug/L	13:46:36
1	Zn 206.200†	214.1	286.0	25.6906 ug/L	25.6906 ug/L	13:46:36
2	Sc 357.234	195138.0	195138.0	98.2874 %		13:45:44
2	Al 396.153†	105.3	-79.0	-13.6807 ug/L	-13.6807 ug/L	13:45:49
2	Ba 455.398†	19278.0	19606.8	63.8050 ug/L	63.8050 ug/L	13:45:49
2	Ca 315.887†	143935.2	146323.3	94.4837 mg/L	94.4837 mg/L	13:45:44
2	Fe 238.204†	109.7	84.6	31.1998 ug/L	31.1998 ug/L	13:46:10
2	K 766.490	2508.3	2420.2	3.20105 mg/L	3.20105 mg/L	13:45:49
2	Li 670.784†	224.1	161.3	4.63020 ug/L	4.63020 ug/L	13:45:49
2	Mg 279.071†	13097.2	13313.6	27.5000 mg/L	27.5000 mg/L	13:45:49
2	Na 589.592†	505000.5	513078.4	73.7338 mg/L	73.7338 mg/L	13:45:44
2	Sr 407.771†	142943.8	145189.4	174.570 ug/L	174.570 ug/L	13:45:44
2	Ti 334.940†	-35.1	-10.6	1.19418 ug/L	1.19418 ug/L	13:46:10
2	Y 360.076	261800.7	261800.7	96.4464 %		13:46:41
2	Ag 328.068†	24.2	-82.0	-0.810524 ug/L	-0.810524 ug/L	13:46:41
2	As 188.979†	-30.4	-2.2	-9.01466 ug/L	-9.01466 ug/L	13:47:01
2	B 249.677†	1289.7	991.8	47.0380 ug/L	47.0380 ug/L	13:47:01
2	Be 234.861†	-876.5	-35.5	-0.386778 ug/L	-0.386778 ug/L	13:47:01
2	Cd 214.437†	479.5	31.9	-1.46932 ug/L	-1.46932 ug/L	13:47:01
2	Ce 413.764†	883.1	54.9	1.46361 ug/L	1.46361 ug/L	13:46:41
2	Co 228.616†	-82.1	6.7	-1.31539 ug/L	-1.31539 ug/L	13:47:01
2	Cr 205.557†	-26.9	4.9	-1.75705 ug/L	-1.75705 ug/L	13:47:01
2	Cu 327.397†	6.7	-4.2	-1.39741 ug/L	-1.39741 ug/L	13:46:41
2	Mn 257.610†	19454.6	19721.1	131.386 ug/L	131.386 ug/L	13:46:41
2	Mo 202.031†	184.1	93.0	10.5008 ug/L	10.5008 ug/L	13:47:01
2	Ni 231.604†	408.9	55.2	1.08820 ug/L	1.08820 ug/L	13:47:01
2	Pb 220.353†	32.5	-0.1	-3.24642 ug/L	-3.24642 ug/L	13:47:01
2	Sb 217.584†	-76.1	-26.7	-23.9010 ug/L	-23.9010 ug/L	13:47:01
2	Se 196.026†	-51.7	-14.4	-25.7534 ug/L	-25.7534 ug/L	13:47:01
2	Si 251.611†	49370.4	51183.5	4411.49 ug/L	4411.49 ug/L	13:46:41
2	Sn 189.927†	-96.9	-108.2	-34.4420 ug/L	-34.4420 ug/L	13:47:01
2	Tl 190.801†	-60.1	-16.2	-19.4555 ug/L	-19.4555 ug/L	13:47:01
2	V 292.395†	-1333.4	-99.1	-2.20855 ug/L	-2.20855 ug/L	13:47:01
2	Zn 206.200†	214.7	290.8	26.1714 ug/L	26.1714 ug/L	13:47:01

Mean Data: 1002085-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	195694.6	98.5677	%	0.39645				0.40%
Y 360.076	264271.3	97.3566	%	1.28719				1.32%
Ag 328.068†	-81.1	-0.808958	ug/L	0.0022149	-0.808958	ug/L	0.0022149	0.27%
Al 396.153†	-82.9	-14.9476	ug/L	1.79163	-14.9476	ug/L	1.79163	11.99%
As 188.979†	0.3	-5.38769	ug/L	5.129311	-5.38769	ug/L	5.129311	95.20%
B 249.677†	981.6	46.4970	ug/L	0.76511	46.4970	ug/L	0.76511	1.65%
Ba 455.398†	19564.9	63.6710	ug/L	0.18943	63.6710	ug/L	0.18943	0.30%
Be 234.861†	-30.2	-0.360976	ug/L	0.0364893	-0.360976	ug/L	0.0364893	10.11%

Ca 315.887†	145761.5	94.1209	mg/L	0.51316	94.1209	mg/L	0.51316	0.55%
Cd 214.437†	25.3	-1.71768	ug/L	0.351234	-1.71768	ug/L	0.351234	20.45%
Ce 413.764†	1.3	0.0338030	ug/L	2.02205665	0.0338030	ug/L	2.02205665	>999.9%
Co 228.616†	2.7	-1.93053	ug/L	0.869939	-1.93053	ug/L	0.869939	45.06%
Cr 205.557†	3.9	-1.84080	ug/L	0.118431	-1.84080	ug/L	0.118431	6.43%
Cu 327.397†	1.9	-1.22380	ug/L	0.245520	-1.22380	ug/L	0.245520	20.06%
Fe 238.204†	79.6	29.1637	ug/L	2.87939	29.1637	ug/L	2.87939	9.87%
K 766.490	2425.6	3.20817	mg/L	0.010077	3.20817	mg/L	0.010077	0.31%
Li 670.784†	157.7	4.53288	ug/L	0.137624	4.53288	ug/L	0.137624	3.04%
Mg 279.071†	13294.7	27.4610	mg/L	0.05520	27.4610	mg/L	0.05520	0.20%
Mn 257.610†	19525.3	130.058	ug/L	1.8777	130.058	ug/L	1.8777	1.44%
Mo 202.031†	95.4	10.7945	ug/L	0.41533	10.7945	ug/L	0.41533	3.85%
Na 589.592†	511430.8	73.4971	mg/L	0.33480	73.4971	mg/L	0.33480	0.46%
Ni 231.604†	47.7	0.502210	ug/L	0.8287089	0.502210	ug/L	0.8287089	165.01%
Pb 220.353†	0.9	-2.67085	ug/L	0.813988	-2.67085	ug/L	0.813988	30.48%
Sb 217.584†	-21.6	-20.2801	ug/L	5.12072	-20.2801	ug/L	5.12072	25.25%
Se 196.026†	-9.9	-16.0682	ug/L	13.69698	-16.0682	ug/L	13.69698	85.24%
Si 251.611†	50582.2	4359.49	ug/L	73.539	4359.49	ug/L	73.539	1.69%
Sn 189.927†	-102.1	-31.8037	ug/L	3.73117	-31.8037	ug/L	3.73117	11.73%
Sr 407.771†	144670.7	173.950	ug/L	0.8772	173.950	ug/L	0.8772	0.50%
Ti 334.940†	-15.7	0.872601	ug/L	0.4547796	0.872601	ug/L	0.4547796	52.12%
Tl 190.801†	-13.0	-15.5430	ug/L	5.53314	-15.5430	ug/L	5.53314	35.60%
V 292.395†	-74.2	-1.69853	ug/L	0.721275	-1.69853	ug/L	0.721275	42.46%
Zn 206.200†	288.4	25.9310	ug/L	0.33996	25.9310	ug/L	0.33996	1.31%

Sequence No.: 49
Sample ID: 0B10018-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Data Collected: 2/10/2010 1:48:18 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B10018-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	196305.0	196305.0	98.8752	%			13:49:24
1	Al 396.153†	8460.8	8370.9	2512.35	ug/L	2512.35	ug/L	13:49:24
1	Ba 455.398†	154893.8	156648.7	502.078	ug/L	502.078	ug/L	13:49:24
1	Ca 315.887†	7926.8	7897.1	5.08900	mg/L	5.08900	mg/L	13:49:44
1	Fe 238.204†	1243.1	1230.3	502.520	ug/L	502.520	ug/L	13:49:44
1	K 766.490	3889.0	3800.9	5.03525	mg/L	5.03525	mg/L	13:49:44
1	Li 670.784†	18219.2	18359.7	501.896	ug/L	501.896	ug/L	13:49:24
1	Mg 279.071†	2469.7	2486.0	5.12725	mg/L	5.12725	mg/L	13:49:44
1	Na 589.592†	35584.2	35267.6	5.07967	mg/L	5.07967	mg/L	13:49:24
1	Sr 407.771†	414346.4	418814.9	501.788	ug/L	501.788	ug/L	13:49:24
1	Ti 334.940†	7769.3	7882.8	503.230	ug/L	503.230	ug/L	13:49:44
1	Y 360.076	271794.6	271794.6	100.128	%			13:50:16
1	Ag 328.068†	33552.3	33402.3	504.066	ug/L	504.066	ug/L	13:50:16
1	As 188.979†	1742.6	1769.8	2530.08	ug/L	2530.08	ug/L	13:50:36
1	B 249.677†	9789.2	9431.2	495.064	ug/L	495.064	ug/L	13:50:16
1	Be 234.861†	9978.2	10838.7	50.3168	ug/L	50.3168	ug/L	13:50:36
1	Cd 214.437†	13983.5	13500.3	504.384	ug/L	504.384	ug/L	13:50:36
1	Ce 413.764†	806.8	-55.0	-1.55879	ug/L	-1.55879	ug/L	13:50:16
1	Co 228.616†	3251.3	3339.0	507.569	ug/L	507.569	ug/L	13:50:36
1	Cr 205.557†	6109.3	6134.3	508.442	ug/L	508.442	ug/L	13:50:36
1	Cu 327.397†	17874.2	17840.3	506.536	ug/L	506.536	ug/L	13:50:16
1	Mn 257.610†	75481.1	74934.2	505.839	ug/L	505.839	ug/L	13:50:16
1	Mo 202.031†	4229.5	4126.2	501.225	ug/L	501.225	ug/L	13:50:36
1	Ni 231.604†	6815.2	6437.7	506.152	ug/L	506.152	ug/L	13:50:36
1	Pb 220.353†	916.2	881.2	512.999	ug/L	512.999	ug/L	13:50:36
1	Sb 217.584†	3464.7	3512.6	2519.88	ug/L	2519.88	ug/L	13:50:36
1	Se 196.026†	1140.8	1178.5	2523.05	ug/L	2523.05	ug/L	13:50:36
1	Si 251.611†	29686.6	29642.6	2535.33	ug/L	2535.33	ug/L	13:50:16
1	Sn 189.927†	5670.7	5655.7	2528.43	ug/L	2528.43	ug/L	13:50:36
1	Tl 190.801†	2060.5	2104.0	2539.46	ug/L	2539.46	ug/L	13:50:36
1	V 292.395†	23587.8	24841.1	508.888	ug/L	508.888	ug/L	13:50:16
1	Zn 206.200†	4954.5	5016.3	507.278	ug/L	507.278	ug/L	13:50:36
2	Sc 357.234	200174.7	200174.7	100.824	%			13:49:49
2	Al 396.153†	8524.5	8268.7	2481.46	ug/L	2481.46	ug/L	13:49:49
2	Ba 455.398†	156968.5	155678.1	498.974	ug/L	498.974	ug/L	13:49:49

2	Ca 315.887†	7952.3	7767.4	5.00521 mg/L	5.00521 mg/L	13:50:09
2	Fe 238.204†	1247.5	1210.3	494.317 ug/L	494.317 ug/L	13:50:09
2	K 766.490	3913.1	3825.0	5.06722 mg/L	5.06722 mg/L	13:50:09
2	Li 670.784†	18431.2	18213.7	497.908 ug/L	497.908 ug/L	13:49:49
2	Mg 279.071†	2481.3	2449.2	5.05122 mg/L	5.05122 mg/L	13:50:09
2	Na 589.592†	35865.7	34851.1	5.01983 mg/L	5.01983 mg/L	13:49:49
2	Sr 407.771†	419890.6	416212.7	498.676 ug/L	498.676 ug/L	13:49:49
2	Ti 334.940†	7830.4	7791.4	497.420 ug/L	497.420 ug/L	13:50:09
2	Y 360.076	273857.2	273857.2	100.888 %		13:50:41
2	Ag 328.068†	33707.1	33303.3	502.571 ug/L	502.571 ug/L	13:50:41
2	As 188.979†	1739.1	1753.1	2506.27 ug/L	2506.27 ug/L	13:51:01
2	B 249.677†	9880.1	9447.7	495.959 ug/L	495.959 ug/L	13:50:41
2	Be 234.861†	9965.5	10751.1	49.9094 ug/L	49.9094 ug/L	13:51:01
2	Cd 214.437†	14013.6	13425.0	501.556 ug/L	501.556 ug/L	13:51:01
2	Ce 413.764†	838.0	-30.2	-0.895024 ug/L	-0.895024 ug/L	13:50:41
2	Co 228.616†	3239.5	3302.8	502.050 ug/L	502.050 ug/L	13:51:01
2	Cr 205.557†	6108.8	6087.8	504.571 ug/L	504.571 ug/L	13:51:01
2	Cu 327.397†	17905.8	17737.2	503.600 ug/L	503.600 ug/L	13:50:41
2	Mn 257.610†	75592.5	74476.8	502.737 ug/L	502.737 ug/L	13:50:41
2	Mo 202.031†	4249.1	4113.7	499.713 ug/L	499.713 ug/L	13:51:01
2	Ni 231.604†	6822.0	6393.2	502.633 ug/L	502.633 ug/L	13:51:01
2	Pb 220.353†	920.8	878.9	511.657 ug/L	511.657 ug/L	13:51:01
2	Sb 217.584†	3477.6	3499.3	2510.29 ug/L	2510.29 ug/L	13:51:01
2	Se 196.026†	1133.8	1163.0	2489.88 ug/L	2489.88 ug/L	13:51:01
2	Si 251.611†	29796.4	29528.2	2525.58 ug/L	2525.58 ug/L	13:50:41
2	Sn 189.927†	5680.0	5622.3	2513.41 ug/L	2513.41 ug/L	13:51:01
2	Tl 190.801†	2052.7	2080.8	2511.48 ug/L	2511.48 ug/L	13:51:01
2	V 292.395†	23632.0	24707.4	506.165 ug/L	506.165 ug/L	13:50:41
2	Zn 206.200†	4953.8	4978.4	503.420 ug/L	503.420 ug/L	13:51:01

Mean Data: 0B10018-CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	198239.9	99.8498	%	1.37822				1.38%
Y 360.076	272825.9	100.508	%	0.5373				0.53%
Ag 328.068†	33352.8	503.319	ug/L	1.0574	503.319	ug/L	1.0574	0.21%
QC value within limits for Ag 328.068 Recovery = 100.66%								
Al 396.153†	8319.8	2496.90	ug/L	21.839	2496.90	ug/L	21.839	0.87%
QC value within limits for Al 396.153 Recovery = 99.88%								
As 188.979†	1761.4	2518.17	ug/L	16.840	2518.17	ug/L	16.840	0.67%
QC value within limits for As 188.979 Recovery = 100.73%								
B 249.677†	9439.5	495.512	ug/L	0.6331	495.512	ug/L	0.6331	0.13%
QC value within limits for B 249.677 Recovery = 99.10%								
Ba 455.398†	156163.4	500.526	ug/L	2.1949	500.526	ug/L	2.1949	0.44%
QC value within limits for Ba 455.398 Recovery = 100.11%								
Be 234.861†	10794.9	50.1131	ug/L	0.28803	50.1131	ug/L	0.28803	0.57%
QC value within limits for Be 234.861 Recovery = 100.23%								
Ca 315.887†	7832.3	5.04710	mg/L	0.059251	5.04710	mg/L	0.059251	1.17%
QC value within limits for Ca 315.887 Recovery = 100.94%								
Cd 214.437†	13462.6	502.970	ug/L	1.9993	502.970	ug/L	1.9993	0.40%
QC value within limits for Cd 214.437 Recovery = 100.59%								
Ce 413.764†	-42.6	-1.22691	ug/L	0.469354	-1.22691	ug/L	0.469354	38.26%
Co 228.616†	3320.9	504.810	ug/L	3.9025	504.810	ug/L	3.9025	0.77%
QC value within limits for Co 228.616 Recovery = 100.96%								
Cr 205.557†	6111.1	506.507	ug/L	2.7372	506.507	ug/L	2.7372	0.54%
QC value within limits for Cr 205.557 Recovery = 101.30%								
Cu 327.397†	17788.7	505.068	ug/L	2.0761	505.068	ug/L	2.0761	0.41%
QC value within limits for Cu 327.397 Recovery = 101.01%								
Fe 238.204†	1220.3	498.418	ug/L	5.8008	498.418	ug/L	5.8008	1.16%
QC value within limits for Fe 238.204 Recovery = 99.68%								
K 766.490	3812.9	5.05123	mg/L	0.022605	5.05123	mg/L	0.022605	0.45%
QC value within limits for K 766.490 Recovery = 101.02%								
Li 670.784†	18286.7	499.902	ug/L	2.8202	499.902	ug/L	2.8202	0.56%
QC value within limits for Li 670.784 Recovery = 99.98%								
Mg 279.071†	2467.6	5.08923	mg/L	0.053765	5.08923	mg/L	0.053765	1.06%
QC value within limits for Mg 279.071 Recovery = 101.78%								
Mn 257.610†	74705.5	504.288	ug/L	2.1932	504.288	ug/L	2.1932	0.43%
QC value within limits for Mn 257.610 Recovery = 100.86%								
Mo 202.031†	4120.0	500.469	ug/L	1.0693	500.469	ug/L	1.0693	0.21%
QC value within limits for Mo 202.031 Recovery = 100.09%								

Na 589.592†	35059.3	5.04975 mg/L	0.042315	5.04975 mg/L	0.042315	0.84%
QC value within limits for Na 589.592 Recovery = 101.00%						
Ni 231.604†	6415.4	504.392 ug/L	2.4884	504.392 ug/L	2.4884	0.49%
QC value within limits for Ni 231.604 Recovery = 100.88%						
Pb 220.353†	880.1	512.328 ug/L	0.9488	512.328 ug/L	0.9488	0.19%
QC value within limits for Pb 220.353 Recovery = 102.47%						
Sb 217.584†	3505.9	2515.08 ug/L	6.781	2515.08 ug/L	6.781	0.27%
QC value within limits for Sb 217.584 Recovery = 100.60%						
Se 196.026†	1170.7	2506.46 ug/L	23.453	2506.46 ug/L	23.453	0.94%
QC value within limits for Se 196.026 Recovery = 100.26%						
Si 251.611†	29585.4	2530.45 ug/L	6.895	2530.45 ug/L	6.895	0.27%
QC value within limits for Si 251.611 Recovery = 101.22%						
Sn 189.927†	5639.0	2520.92 ug/L	10.622	2520.92 ug/L	10.622	0.42%
QC value within limits for Sn 189.927 Recovery = 100.84%						
Sr 407.771†	417513.8	500.232 ug/L	2.2005	500.232 ug/L	2.2005	0.44%
QC value within limits for Sr 407.771 Recovery = 100.05%						
Ti 334.940†	7837.1	500.325 ug/L	4.1087	500.325 ug/L	4.1087	0.82%
QC value within limits for Ti 334.940 Recovery = 100.07%						
Tl 190.801†	2092.4	2525.47 ug/L	19.788	2525.47 ug/L	19.788	0.78%
QC value within limits for Tl 190.801 Recovery = 101.02%						
V 292.395†	24774.2	507.526 ug/L	1.9255	507.526 ug/L	1.9255	0.38%
QC value within limits for V 292.395 Recovery = 101.51%						
Zn 206.200†	4997.4	505.349 ug/L	2.7279	505.349 ug/L	2.7279	0.54%
QC value within limits for Zn 206.200 Recovery = 101.07%						

All analyte(s) passed QC.

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Sequence No.: 50
Sample ID: 0B10018-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Data Collected: 2/10/2010 1:52:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B10018-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	199000.7	199000.7	100.233	%			13:53:22
1	Al 396.153†	195.7	9.1	-8.32713	ug/L	-8.32713	ug/L	13:53:22
1	Ba 455.398†	39.6	32.5	1.20443	ug/L	1.20443	ug/L	13:53:22
1	Ca 315.887†	115.3	-4.8	-0.0140371	mg/L	-0.0140371	mg/L	13:53:42
1	Fe 238.204†	42.2	15.1	4.25432	ug/L	4.25432	ug/L	13:53:42
1	K 766.490	90.3	2.2	-0.0111878	mg/L	-0.0111878	mg/L	13:53:22
1	Li 670.784†	72.2	5.2	0.366489	ug/L	0.366489	ug/L	13:53:22
1	Mg 279.071†	14.3	2.5	-0.0043604	mg/L	-0.0043604	mg/L	13:53:42
1	Na 589.592†	713.1	-9.9	0.0108351	mg/L	0.0108351	mg/L	13:53:22
1	Sr 407.771†	156.8	-88.6	0.837559	ug/L	0.837559	ug/L	13:53:22
1	Ti 334.940†	-35.1	-10.0	1.23703	ug/L	1.23703	ug/L	13:53:42
1	Y 360.076	274627.1	274627.1	101.172	%			13:54:13
1	Ag 328.068†	94.0	-14.2	-0.870433	ug/L	-0.870433	ug/L	13:54:33
1	As 188.979†	-32.8	-3.1	-10.3539	ug/L	-10.3539	ug/L	13:54:33
1	B 249.677†	489.5	138.4	1.59319	ug/L	1.59319	ug/L	13:54:33
1	Be 234.861†	-865.8	17.5	-0.129281	ug/L	-0.129281	ug/L	13:54:33
1	Cd 214.437†	475.5	4.7	-2.48404	ug/L	-2.48404	ug/L	13:54:33
1	Ce 413.764†	912.0	40.7	1.08390	ug/L	1.08390	ug/L	13:54:13
1	Co 228.616†	-92.8	0.1	-2.32105	ug/L	-2.32105	ug/L	13:54:33
1	Cr 205.557†	-36.2	-2.9	-2.40982	ug/L	-2.40982	ug/L	13:54:33
1	Cu 327.397†	26.2	14.9	-0.855077	ug/L	-0.855077	ug/L	13:54:13
1	Mn 257.610†	288.6	-165.1	-3.47610	ug/L	-3.47610	ug/L	13:54:33
1	Mo 202.031†	100.4	1.3	-0.651711	ug/L	-0.651711	ug/L	13:54:33
1	Ni 231.604†	375.0	1.9	-3.14697	ug/L	-3.14697	ug/L	13:54:33
1	Pb 220.353†	38.6	4.4	-0.622336	ug/L	-0.622336	ug/L	13:54:33
1	Sb 217.584†	-54.1	-1.2	-5.68669	ug/L	-5.68669	ug/L	13:54:33
1	Se 196.026†	-48.6	-8.9	-13.9718	ug/L	-13.9718	ug/L	13:54:33
1	Si 251.611†	265.4	256.3	6.63508	ug/L	6.63508	ug/L	13:54:33
1	Sn 189.927†	11.3	3.5	-5.03388	ug/L	-5.03388	ug/L	13:54:33
1	Tl 190.801†	-50.2	-3.5	-4.09341	ug/L	-4.09341	ug/L	13:54:33
1	V 292.395†	-1255.8	42.1	0.545940	ug/L	0.545940	ug/L	13:54:33
1	Zn 206.200†	-53.5	15.2	-1.11372	ug/L	-1.11372	ug/L	13:54:33
2	Sc 357.234	195965.0	195965.0	98.7039	%			13:53:47
2	Al 396.153†	161.5	-22.5	-17.9029	ug/L	-17.9029	ug/L	13:53:47

2	Ba 455.398†	25.6	18.9	1.16105 ug/L	1.16105 ug/L	13:53:47
2	Ca 315.887†	117.2	-1.1	-0.0116341 mg/L	-0.0116341 mg/L	13:54:07
2	Fe 238.204†	31.4	4.9	0.0305557 ug/L	0.0305557 ug/L	13:54:07
2	K 766.490	72.2	-15.9	-0.0352180 mg/L	-0.0352180 mg/L	13:53:47
2	Li 670.784†	45.3	-20.9	-0.345913 ug/L	-0.345913 ug/L	13:53:47
2	Mg 279.071†	20.8	9.2	0.0095511 mg/L	0.0095511 mg/L	13:54:07
2	Na 589.592†	739.9	28.2	0.0163138 mg/L	0.0163138 mg/L	13:53:47
2	Sr 407.771†	166.0	-76.8	0.851571 ug/L	0.851571 ug/L	13:53:47
2	Ti 334.940†	-29.2	-4.5	1.58649 ug/L	1.58649 ug/L	13:54:07
2	Y 360.076	272964.3	272964.3	100.559 %		13:54:38
2	Ag 328.068†	70.4	-37.0	-1.22816 ug/L	-1.22816 ug/L	13:54:59
2	As 188.979†	-40.6	-11.1	-21.7852 ug/L	-21.7852 ug/L	13:54:59
2	B 249.677†	484.3	136.2	1.47570 ug/L	1.47570 ug/L	13:54:59
2	Be 234.861†	-862.2	15.8	-0.135591 ug/L	-0.135591 ug/L	13:54:59
2	Cd 214.437†	461.6	-6.3	-2.89707 ug/L	-2.89707 ug/L	13:54:59
2	Ce 413.764†	810.7	-54.5	-1.45525 ug/L	-1.45525 ug/L	13:54:38
2	Co 228.616†	-86.3	6.1	-1.41170 ug/L	-1.41170 ug/L	13:54:59
2	Cr 205.557†	-32.8	0.2	-2.14972 ug/L	-2.14972 ug/L	13:54:59
2	Cu 327.397†	-17.0	-28.0	-2.07339 ug/L	-2.07339 ug/L	13:54:38
2	Mn 257.610†	272.7	-179.1	-3.57139 ug/L	-3.57139 ug/L	13:54:59
2	Mo 202.031†	103.3	4.8	-0.225111 ug/L	-0.225111 ug/L	13:54:59
2	Ni 231.604†	389.2	18.2	-1.85163 ug/L	-1.85163 ug/L	13:54:59
2	Pb 220.353†	39.4	5.4	-0.0238847 ug/L	-0.0238847 ug/L	13:54:59
2	Sb 217.584†	-58.0	-5.4	-8.75977 ug/L	-8.75977 ug/L	13:54:59
2	Se 196.026†	-47.9	-8.4	-13.0061 ug/L	-13.0061 ug/L	13:54:59
2	Si 251.611†	243.4	236.1	4.87246 ug/L	4.87246 ug/L	13:54:59
2	Sn 189.927†	14.2	6.4	-3.73495 ug/L	-3.73495 ug/L	13:54:59
2	Tl 190.801†	-54.4	-8.0	-9.51732 ug/L	-9.51732 ug/L	13:54:59
2	V 292.395†	-1270.6	19.9	0.100035 ug/L	0.100035 ug/L	13:54:59
2	Zn 206.200†	-65.5	3.0	-2.35881 ug/L	-2.35881 ug/L	13:54:59

Mean Data: 0B10018-CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	197482.8	99.4685	%	1.08118				1.09%
Y 360.076	273795.7	100.865	%	0.4331				0.43%
Ag 328.068†	-25.6	-1.04929	ug/L	0.252950	-1.04929	ug/L	0.252950	24.11%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-6.7	-13.1150	ug/L	6.77108	-13.1150	ug/L	6.77108	51.63%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-7.1	-16.0696	ug/L	8.08312	-16.0696	ug/L	8.08312	50.30%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	137.3	1.53444	ug/L	0.083081	1.53444	ug/L	0.083081	5.41%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	25.7	1.18274	ug/L	0.030670	1.18274	ug/L	0.030670	2.59%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	16.7	-0.132436	ug/L	0.0044618	-0.132436	ug/L	0.0044618	3.37%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	-3.0	-0.0128356	mg/L	0.00169914	-0.0128356	mg/L	0.00169914	13.24%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	-0.8	-2.69055	ug/L	0.292058	-2.69055	ug/L	0.292058	10.85%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	-6.9	-0.185672	ug/L	1.7954480	-0.185672	ug/L	1.7954480	967.00%
Co 228.616†	3.1	-1.86638	ug/L	0.643012	-1.86638	ug/L	0.643012	34.45%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	-1.4	-2.27977	ug/L	0.183917	-2.27977	ug/L	0.183917	8.07%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	-6.5	-1.46423	ug/L	0.861475	-1.46423	ug/L	0.861475	58.83%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	10.0	2.14244	ug/L	2.986653	2.14244	ug/L	2.986653	139.40%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	-6.9	-0.0232029	mg/L	0.01699190	-0.0232029	mg/L	0.01699190	73.23%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	-7.8	0.0102882	ug/L	0.50374428	0.0102882	ug/L	0.50374428	>999.9%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	5.9	0.0025953	mg/L	0.00983695	0.0025953	mg/L	0.00983695	379.02%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	-172.1	-3.52374	ug/L	0.067382	-3.52374	ug/L	0.067382	1.91%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	3.1	-0.438411	ug/L	0.3016517	-0.438411	ug/L	0.3016517	68.81%

	QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†		9.1	0.0135745 mg/L	0.00387402	0.0135745 mg/L	0.00387402	28.54%
	QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†		10.0	-2.49930 ug/L	0.915941	-2.49930 ug/L	0.915941	36.65%
	QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†		4.9	-0.323110 ug/L	0.4231688	-0.323110 ug/L	0.4231688	130.97%
	QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 217.584†		-3.3	-7.22323 ug/L	2.172992	-7.22323 ug/L	2.172992	30.08%
	QC value within limits for Sb 217.584 Recovery = Not calculated						
Se 196.026†		-8.7	-13.4890 ug/L	0.68284	-13.4890 ug/L	0.68284	5.06%
	QC value within limits for Se 196.026 Recovery = Not calculated						
Si 251.611†		246.2	5.75377 ug/L	1.246360	5.75377 ug/L	1.246360	21.66%
	QC value within limits for Si 251.611 Recovery = Not calculated						
Sn 189.927†		4.9	-4.38442 ug/L	0.918477	-4.38442 ug/L	0.918477	20.95%
	QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 407.771†		-82.7	0.844565 ug/L	0.0099082	0.844565 ug/L	0.0099082	1.17%
	QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 334.940†		-7.2	1.41176 ug/L	0.247105	1.41176 ug/L	0.247105	17.50%
	QC value within limits for Ti 334.940 Recovery = Not calculated						
Tl 190.801†		-5.7	-6.80537 ug/L	3.835286	-6.80537 ug/L	3.835286	56.36%
	QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.395†		31.0	0.322987 ug/L	0.3153023	0.322987 ug/L	0.3153023	97.62%
	QC value within limits for V 292.395 Recovery = Not calculated						
Zn 206.200†		9.1	-1.73626 ug/L	0.880407	-1.73626 ug/L	0.880407	50.71%
	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	0B10018-CAL1	Applied
2	2	0B10018-CAL2	Applied
3	3	0B10018-CAL3	Applied
4	4	0B10018-CAL4	Applied
5	5	0B10018-CAL5	Applied
6	9	0B10018-SCV	QC Failed
7	1	0B10018-CCB	QC Passed
8	10	0B10018-CRL1	QC Passed
9	11	0B10018-IFA1	QC Passed
10	12	0B10018-IFA2	QC Passed
11	13	0B10018-IFB1	QC Passed
12	14	0B10018-IFB2	QC Passed
13	4	0B10018-CCV	QC Passed
14	1	0B10018-CCB	QC Passed
15	17	1000900-BLK1	Analyzed
16	18	1000900-BS1	Analyzed
17	19	1002004-01	Analyzed
18	20	1000900-MS1	Analyzed
19	21	1000900-MSD1	Analyzed
20	22	0B10018-SRD1	Analyzed
21	23	1000900-PS1	Analyzed
22	24	1002004-02	Analyzed
23	25	1002004-03	Analyzed
24	26	1002004-04	Analyzed
25	4	0B10018-CCV	QC Passed
26	1	0B10018-CCB	QC Passed
27	27	1002004-05	Analyzed
28	28	1002004-06	Analyzed
29	29	1002004-07	Analyzed
30	30	1002004-08	Analyzed
31	31	1000900-MS2	Analyzed
32	32	1000900-MSD2	Analyzed
33	33	0B10018-SRD2	Analyzed
34	34	1000900-PS2	Analyzed
35	35	1002004-09	Analyzed
36	36	1002004-10	Analyzed
37	4	0B10018-CCV	QC Passed
38	1	0B10018-CCB	QC Passed
39	37	1002004-11	Analyzed
40	38	1002004-12	Analyzed

41	39	1001064-BLK1	Analyzed
42	40	1001064-BS1	Analyzed
43	41	1002085-01	Analyzed
44	42	1001064-MS1	Analyzed
45	43	1001064-MSD1	Analyzed
46	44	SRD1	Analyzed
47	45	1001064-PS1	Analyzed
48	46	1002085-02	Analyzed
49	4	0B10018-CCV	QC Passed
50	1	0B10018-CCB	QC Passed

TriMatrix Laboratories, Inc.

SulTRAC

Project: Plainwell Mill

SDG: PM020110

USEPA-6020A

: 00314

SAMPLE ID SUMMARY

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM020110

Client: SulTRAC

Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-GW-56394-CB-020110-199	1002041-01
S-GW-56394-CB-020110-201	1002041-02
S-GW-56394-CB-020210-205	1002041-03
SD-GW-56394-CB-020210-205	1002041-04
S-GW-56394-CB-020310-210	1002085-01
S-GW-56394-CB-020410-217	1002085-02

00315

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-GW-56394-CB-020110-199

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 02/01/10 10:50
Solids: 0.00
Laboratory ID: 1002041-01

SDG: PM020110
Project: Plainwell Mill
Preparation: 3020A Digestion
Prepared: 02/04/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1000975

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	1.0	ug/L	1	1.0	0.36	U	02/12/10 22:55
7440-38-2	Arsenic, Total	3.1	ug/L	1	1.0	0.38		02/12/10 19:15
7440-41-7	Beryllium, Total	1.0	ug/L	1	1.0	0.30	U	02/12/10 19:15
7440-43-9	Cadmium, Total	0.20	ug/L	1	0.20	0.055	U	02/12/10 19:15
7440-47-3	Chromium, Total	5.0	ug/L	1	5.0	0.46	U	02/12/10 19:15
7440-48-4	Cobalt, Total	0.25	ug/L	1	1.0	0.042	J	02/12/10 19:15
7440-50-8	Copper, Total	0.80	ug/L	1	2.0	0.71	J	02/12/10 19:15
7439-92-1	Lead, Total	1.0	ug/L	1	1.0	0.22	U	02/12/10 19:15
7782-49-2	Selenium, Total	2.0	ug/L	1	2.0	0.82	U	02/12/10 19:15
7440-22-4	Silver, Total	0.14	ug/L	1	0.20	0.061	J	02/12/10 19:15
7440-28-0	Thallium, Total	1.0	ug/L	1	1.0	0.056	U	02/12/10 19:15
7440-62-2	Vanadium, Total	1.0	ug/L	1	1.0	0.28	U	02/12/10 19:15
7440-66-6	Zinc, Total	50	ug/L	1	50	2.9	U	02/12/10 22:55

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-GW-56394-CB-020110-201

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 02/01/10 15:05
Solids: 0.00
Laboratory ID: 1002041-02

SDG: PM020110
Project: Plainwell Mill
Preparation: 3020A Digestion
Prepared: 02/04/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1000975

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.58	ug/L	1	1.0	0.36	J	02/12/10 23:13
7440-38-2	Arsenic, Total	4.2	ug/L	1	1.0	0.38		02/12/10 19:40
7440-41-7	Beryllium, Total	1.0	ug/L	1	1.0	0.30	U	02/12/10 19:40
7440-43-9	Cadmium, Total	0.20	ug/L	1	0.20	0.055	U	02/12/10 19:40
7440-47-3	Chromium, Total	5.0	ug/L	1	5.0	0.46	U	02/12/10 19:40
7440-48-4	Cobalt, Total	0.48	ug/L	1	1.0	0.042	J	02/12/10 19:40
7440-50-8	Copper, Total	0.72	ug/L	1	2.0	0.71	J	02/12/10 19:40
7439-92-1	Lead, Total	1.0	ug/L	1	1.0	0.22	U	02/12/10 19:40
7782-49-2	Selenium, Total	1.5	ug/L	1	2.0	0.82	J	02/12/10 19:40
7440-22-4	Silver, Total	0.15	ug/L	1	0.20	0.061	J	02/12/10 19:40
7440-28-0	Thallium, Total	1.0	ug/L	1	1.0	0.056	U	02/12/10 19:40
7440-62-2	Vanadium, Total	1.0	ug/L	1	1.0	0.28	U	02/12/10 19:40
7440-66-6	Zinc, Total	3.0	ug/L	1	50	2.9	J	02/12/10 23:13

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-GW-56394-CB-020210-205

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 02/02/10 09:20
Solids: 0.00
Laboratory ID: 1002041-03

SDG: PM020110
Project: Plainwell Mill
Preparation: 3020A Digestion
Prepared: 02/04/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1000975

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	1.9	ug/L	1	1.0	0.36		02/12/10 23:15
7440-38-2	Arsenic, Total	1.0	ug/L	1	1.0	0.38		02/12/10 19:43
7440-41-7	Beryllium, Total	1.0	ug/L	1	1.0	0.30	U	02/12/10 19:43
7440-43-9	Cadmium, Total	0.12	ug/L	1	0.20	0.055	J	02/12/10 19:43
7440-47-3	Chromium, Total	0.47	ug/L	1	5.0	0.46	J	02/12/10 19:43
7440-48-4	Cobalt, Total	0.27	ug/L	1	1.0	0.042	J	02/12/10 19:43
7440-50-8	Copper, Total	5.2	ug/L	1	2.0	0.71		02/12/10 19:43
7439-92-1	Lead, Total	1.0	ug/L	1	1.0	0.22	U	02/12/10 19:43
7782-49-2	Selenium, Total	2.0	ug/L	1	2.0	0.82	U	02/12/10 19:43
7440-22-4	Silver, Total	0.064	ug/L	1	0.20	0.061	J	02/12/10 19:43
7440-28-0	Thallium, Total	1.0	ug/L	1	1.0	0.056	U	02/12/10 19:43
7440-62-2	Vanadium, Total	0.38	ug/L	1	1.0	0.28	J	02/12/10 19:43
7440-66-6	Zinc, Total	8.8	ug/L	1	50	2.9	J	02/12/10 23:15

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

SD-GW-56394-CB-020210-205

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 02/02/10 09:50
Solids: 0.00
Laboratory ID: 1002041-04

SDG: PM020110
Project: Plainwell Mill
Preparation: 3020A Digestion
Prepared: 02/04/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1000975

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	1.7	ug/L	1	1.0	0.36		02/12/10 23:17
7440-38-2	Arsenic, Total	1.1	ug/L	1	1.0	0.38		02/12/10 19:47
7440-41-7	Beryllium, Total	1.0	ug/L	1	1.0	0.30	U	02/12/10 19:47
7440-43-9	Cadmium, Total	0.084	ug/L	1	0.20	0.055	J	02/12/10 19:47
7440-47-3	Chromium, Total	0.64	ug/L	1	5.0	0.46	J	02/12/10 19:47
7440-48-4	Cobalt, Total	0.26	ug/L	1	1.0	0.042	J	02/12/10 19:47
7440-50-8	Copper, Total	5.4	ug/L	1	2.0	0.71		02/12/10 19:47
7439-92-1	Lead, Total	1.0	ug/L	1	1.0	0.22	U	02/12/10 19:47
7782-49-2	Selenium, Total	0.93	ug/L	1	2.0	0.82	J	02/12/10 19:47
7440-22-4	Silver, Total	0.20	ug/L	1	0.20	0.061	U	02/12/10 19:47
7440-28-0	Thallium, Total	1.0	ug/L	1	1.0	0.056	U	02/12/10 19:47
7440-62-2	Vanadium, Total	0.40	ug/L	1	1.0	0.28	J	02/12/10 19:47
7440-66-6	Zinc, Total	13	ug/L	1	50	2.9	J	02/12/10 23:17

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-GW-56394-CB-020310-210

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 02/03/10 08:40
Solids: 0.00
Laboratory ID: 1002085-01

SDG: PM020110
Project: Plainwell Mill
Preparation: 3020A Digestion
Prepared: 02/09/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001065

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	1.0	ug/L	1	1.0	0.36	U	02/12/10 23:47
7440-38-2	Arsenic, Total	1.0	ug/L	1	1.0	0.38	U	02/12/10 20:10
7440-41-7	Beryllium, Total	1.0	ug/L	1	1.0	0.30	U	02/12/10 20:10
7440-43-9	Cadmium, Total	0.20	ug/L	1	0.20	0.055	U	02/12/10 20:10
7440-47-3	Chromium, Total	0.82	ug/L	1	5.0	0.46	J	02/12/10 20:10
7440-48-4	Cobalt, Total	0.21	ug/L	1	1.0	0.042	J	02/12/10 20:10
7440-50-8	Copper, Total	1.2	ug/L	1	2.0	0.71	J	02/12/10 20:10
7439-92-1	Lead, Total	1.0	ug/L	1	1.0	0.22	U	02/12/10 20:10
7782-49-2	Selenium, Total	2.0	ug/L	1	2.0	0.82	U	02/12/10 20:10
7440-22-4	Silver, Total	0.15	ug/L	1	0.20	0.061	J	02/12/10 20:10
7440-28-0	Thallium, Total	1.0	ug/L	1	1.0	0.056	U	02/12/10 20:10
7440-62-2	Vanadium, Total	0.29	ug/L	1	1.0	0.28	J	02/12/10 20:10
7440-66-6	Zinc, Total	50	ug/L	1	50	2.9	U	02/12/10 23:47

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-GW-56394-CB-020410-217

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 02/04/10 08:45
Solids: 0.00
Laboratory ID: 1002085-02

SDG: PM020110
Project: Plainwell Mill
Preparation: 3020A Digestion
Prepared: 02/09/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1001065

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, Total	0.75	ug/L	1	1.0	0.36	J	02/13/10 00:05
7440-38-2	Arsenic, Total	0.45	ug/L	1	1.0	0.38	J	02/12/10 20:35
7440-41-7	Beryllium, Total	1.0	ug/L	1	1.0	0.30	U	02/12/10 20:35
7440-43-9	Cadmium, Total	0.20	ug/L	1	0.20	0.055	U	02/12/10 20:35
7440-47-3	Chromium, Total	0.48	ug/L	1	5.0	0.46	J	02/12/10 20:35
7440-48-4	Cobalt, Total	0.40	ug/L	1	1.0	0.042	J	02/12/10 20:35
7440-50-8	Copper, Total	1.1	ug/L	1	2.0	0.71	J	02/12/10 20:35
7439-92-1	Lead, Total	1.0	ug/L	1	1.0	0.22	U	02/12/10 20:35
7782-49-2	Selenium, Total	2.0	ug/L	1	2.0	0.82	U	02/12/10 20:35
7440-22-4	Silver, Total	0.19	ug/L	1	0.20	0.061	J	02/12/10 20:35
7440-28-0	Thallium, Total	1.0	ug/L	1	1.0	0.056	U	02/12/10 20:35
7440-62-2	Vanadium, Total	1.0	ug/L	1	1.0	0.28	U	02/12/10 20:35
7440-66-6	Zinc, Total	4.9	ug/L	1	50	2.9	J	02/13/10 00:05

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B12045

SDG: PM020110
Project: Plainwell Mill
Instrument: 114
Calibration: 0B12017

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B12045-CAL1	0b12045-001	02/12/10 17:44
Cal Standard	0B12045-CAL2	0b12045-002	02/12/10 17:47
Cal Standard	0B12045-CAL3	0b12045-003	02/12/10 17:51
Cal Standard	0B12045-CAL4	0b12045-004	02/12/10 17:54
Cal Standard	0B12045-CAL5	0b12045-005	02/12/10 17:58
Cal Standard	0B12045-CAL6	0b12045-006	02/12/10 18:02
Cal Standard	0B12045-CAL7	0b12045-007	02/12/10 18:05
Cal Standard	0B12045-CAL8	0b12045-008	02/12/10 18:09
Secondary Cal Check	0B12045-SCV1	0b12045-009	02/12/10 18:20
Calibration Check	0B12045-CCV1	0b12045-009	02/12/10 18:20
Calibration Blank	0B12045-CCB1	0b12045-010	02/12/10 18:31
MRL Check	0B12045-CRL1	0b12045-011	02/12/10 18:34
MRL Check	0B12045-CRL2	0b12045-012	02/12/10 18:38
Interference Check A	0B12045-IFA1	0b12045-013	02/12/10 18:41
Interference Check B	0B12045-IFB1	0b12045-014	02/12/10 18:46
Calibration Check	0B12045-CCV2	0b12045-015	02/12/10 18:51
Calibration Blank	0B12045-CCB2	0b12045-016	02/12/10 19:02
Blank	1000975-BLK1	0b12045-017	02/12/10 19:05
LCS	1000975-BS1	0b12045-018	02/12/10 19:09
S-GW-56394-CB-020110-199	1002041-01	0b12045-019	02/12/10 19:15
S-GW-56394-CB-020110-199	1002041-01	0b12045-019	02/12/10 19:15
S-GW-56394-CB-020110-199	1002041-01	0b12045-019	02/12/10 19:15
S-GW-56394-CB-020110-199	1002041-01	0b12045-019	02/12/10 19:15
S-GW-56394-CB-020110-199	1002041-01	0b12045-019	02/12/10 19:15
S-GW-56394-CB-020110-199	1002041-01	0b12045-019	02/12/10 19:15
S-GW-56394-CB-020110-199	1002041-01	0b12045-019	02/12/10 19:15
S-GW-56394-CB-020110-199	1002041-01	0b12045-019	02/12/10 19:15
S-GW-56394-CB-020110-199	1002041-01	0b12045-019	02/12/10 19:15
S-GW-56394-CB-020110-199	1002041-01	0b12045-019	02/12/10 19:15
S-GW-56394-CB-020110-199	1002041-01	0b12045-019	02/12/10 19:15
S-GW-56394-CB-020110-199	1000975-MS1	0b12045-020	02/12/10 19:18
S-GW-56394-CB-020110-199	1000975-MSD1	0b12045-021	02/12/10 19:24

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ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B12045

SDG: PM020110
Project: Plainwell Mill
Instrument: 114
Calibration: 0B12017

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-GW-56394-CB-020110-199	0B12045-SRD1	0b12045-022	02/12/10 19:30
S-GW-56394-CB-020110-199	1000975-PS1	0b12045-023	02/12/10 19:34
S-GW-56394-CB-020110-201	1002041-02	0b12045-024	02/12/10 19:40
S-GW-56394-CB-020110-201	1002041-02	0b12045-024	02/12/10 19:40
S-GW-56394-CB-020110-201	1002041-02	0b12045-024	02/12/10 19:40
S-GW-56394-CB-020110-201	1002041-02	0b12045-024	02/12/10 19:40
S-GW-56394-CB-020110-201	1002041-02	0b12045-024	02/12/10 19:40
S-GW-56394-CB-020110-201	1002041-02	0b12045-024	02/12/10 19:40
S-GW-56394-CB-020110-201	1002041-02	0b12045-024	02/12/10 19:40
S-GW-56394-CB-020110-201	1002041-02	0b12045-024	02/12/10 19:40
S-GW-56394-CB-020110-201	1002041-02	0b12045-024	02/12/10 19:40
S-GW-56394-CB-020110-201	1002041-02	0b12045-024	02/12/10 19:40
S-GW-56394-CB-020210-205	1002041-03	0b12045-025	02/12/10 19:43
S-GW-56394-CB-020210-205	1002041-03	0b12045-025	02/12/10 19:43
S-GW-56394-CB-020210-205	1002041-03	0b12045-025	02/12/10 19:43
S-GW-56394-CB-020210-205	1002041-03	0b12045-025	02/12/10 19:43
S-GW-56394-CB-020210-205	1002041-03	0b12045-025	02/12/10 19:43
S-GW-56394-CB-020210-205	1002041-03	0b12045-025	02/12/10 19:43
S-GW-56394-CB-020210-205	1002041-03	0b12045-025	02/12/10 19:43
S-GW-56394-CB-020210-205	1002041-03	0b12045-025	02/12/10 19:43
S-GW-56394-CB-020210-205	1002041-03	0b12045-025	02/12/10 19:43
S-GW-56394-CB-020210-205	1002041-03	0b12045-025	02/12/10 19:43
SD-GW-56394-CB-020210-205	1002041-04	0b12045-026	02/12/10 19:47
SD-GW-56394-CB-020210-205	1002041-04	0b12045-026	02/12/10 19:47
SD-GW-56394-CB-020210-205	1002041-04	0b12045-026	02/12/10 19:47
SD-GW-56394-CB-020210-205	1002041-04	0b12045-026	02/12/10 19:47
SD-GW-56394-CB-020210-205	1002041-04	0b12045-026	02/12/10 19:47
SD-GW-56394-CB-020210-205	1002041-04	0b12045-026	02/12/10 19:47
SD-GW-56394-CB-020210-205	1002041-04	0b12045-026	02/12/10 19:47

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B12045

SDG: PM020110
Project: Plainwell Mill
Instrument: 114
Calibration: 0B12017

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
SD-GW-56394-CB-020210-205	1002041-04	0b12045-026	02/12/10 19:47
SD-GW-56394-CB-020210-205	1002041-04	0b12045-026	02/12/10 19:47
SD-GW-56394-CB-020210-205	1002041-04	0b12045-026	02/12/10 19:47
Calibration Check	0B12045-CCV3	0b12045-027	02/12/10 19:51
Calibration Blank	0B12045-CCB3	0b12045-028	02/12/10 19:57
Blank	1001065-BLK1	0b12045-029	02/12/10 20:00
LCS	1001065-BS1	0b12045-030	02/12/10 20:04
S-GW-56394-CB-020310-210	1002085-01	0b12045-031	02/12/10 20:10
S-GW-56394-CB-020310-210	1002085-01	0b12045-031	02/12/10 20:10
S-GW-56394-CB-020310-210	1002085-01	0b12045-031	02/12/10 20:10
S-GW-56394-CB-020310-210	1002085-01	0b12045-031	02/12/10 20:10
S-GW-56394-CB-020310-210	1002085-01	0b12045-031	02/12/10 20:10
S-GW-56394-CB-020310-210	1002085-01	0b12045-031	02/12/10 20:10
S-GW-56394-CB-020310-210	1002085-01	0b12045-031	02/12/10 20:10
S-GW-56394-CB-020310-210	1002085-01	0b12045-031	02/12/10 20:10
S-GW-56394-CB-020310-210	1002085-01	0b12045-031	02/12/10 20:10
S-GW-56394-CB-020310-210	1002085-01	0b12045-031	02/12/10 20:10
S-GW-56394-CB-020310-210	1002085-01	0b12045-031	02/12/10 20:10
S-GW-56394-CB-020310-210	1001065-MS1	0b12045-032	02/12/10 20:13
S-GW-56394-CB-020310-210	1001065-MSD1	0b12045-033	02/12/10 20:19
S-GW-56394-CB-020310-210	0B12045-SRD2	0b12045-034	02/12/10 20:25
S-GW-56394-CB-020310-210	1001065-PS1	0b12045-035	02/12/10 20:29
S-GW-56394-CB-020410-217	1002085-02	0b12045-036	02/12/10 20:35
S-GW-56394-CB-020410-217	1002085-02	0b12045-036	02/12/10 20:35
S-GW-56394-CB-020410-217	1002085-02	0b12045-036	02/12/10 20:35
S-GW-56394-CB-020410-217	1002085-02	0b12045-036	02/12/10 20:35
S-GW-56394-CB-020410-217	1002085-02	0b12045-036	02/12/10 20:35
S-GW-56394-CB-020410-217	1002085-02	0b12045-036	02/12/10 20:35
S-GW-56394-CB-020410-217	1002085-02	0b12045-036	02/12/10 20:35
S-GW-56394-CB-020410-217	1002085-02	0b12045-036	02/12/10 20:35
S-GW-56394-CB-020410-217	1002085-02	0b12045-036	02/12/10 20:35

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B12045

SDG: PM020110
Project: Plainwell Mill
Instrument: 114
Calibration: 0B12017

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-GW-56394-CB-020410-217	1002085-02	0b12045-036	02/12/10 20:35
Calibration Check	0B12045-CCV4	0b12045-037	02/12/10 20:38
Calibration Blank	0B12045-CCB4	0b12045-038	02/12/10 20:49

00325

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B12049

SDG: PM020110
Project: Plainwell Mill
Instrument: 114
Calibration: 0B15021

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B12049-CAL1	0b12049-005	02/12/10 21:25
Cal Standard	0B12049-CAL2	0b12049-006	02/12/10 21:28
Cal Standard	0B12049-CAL3	0b12049-007	02/12/10 21:30
Cal Standard	0B12049-CAL4	0b12049-008	02/12/10 21:32
Cal Standard	0B12049-CAL5	0b12049-009	02/12/10 21:34
Cal Standard	0B12049-CAL6	0b12049-010	02/12/10 21:37
Cal Standard	0B12049-CAL7	0b12049-011	02/12/10 21:39
Secondary Cal Check	0B12049-SCV1	0b12049-013	02/12/10 21:59
Calibration Check	0B12049-CCV1	0b12049-013	02/12/10 21:59
Calibration Blank	0B12049-CCB1	0b12049-014	02/12/10 22:12
MRL Check	0B12049-CRL1	0b12049-015	02/12/10 22:15
Interference Check A	0B12049-IFA1	0b12049-017	02/12/10 22:21
Interference Check B	0B12049-IFB1	0b12049-018	02/12/10 22:23
Calibration Check	0B12049-CCV2	0b12049-019	02/12/10 22:25
Calibration Blank	0B12049-CCB2	0b12049-020	02/12/10 22:41
Blank	1000975-BLK2	0b12049-021	02/12/10 22:43
LCS	1000975-BS2	0b12049-022	02/12/10 22:45
S-GW-56394-CB-020110-199	1002041-01	0b12049-023	02/12/10 22:55
S-GW-56394-CB-020110-199	1002041-01	0b12049-023	02/12/10 22:55
S-GW-56394-CB-020110-199	1000975-MS2	0b12049-024	02/12/10 22:57
S-GW-56394-CB-020110-199	1000975-MSD2	0b12049-025	02/12/10 22:59
S-GW-56394-CB-020110-199	0B12049-SRD1	0b12049-026	02/12/10 23:05
S-GW-56394-CB-020110-199	1000975-PS2	0b12049-027	02/12/10 23:07
S-GW-56394-CB-020110-201	1002041-02	0b12049-028	02/12/10 23:13
S-GW-56394-CB-020110-201	1002041-02	0b12049-028	02/12/10 23:13
S-GW-56394-CB-020210-205	1002041-03	0b12049-029	02/12/10 23:15
S-GW-56394-CB-020210-205	1002041-03	0b12049-029	02/12/10 23:15
SD-GW-56394-CB-020210-205	1002041-04	0b12049-030	02/12/10 23:17
SD-GW-56394-CB-020210-205	1002041-04	0b12049-030	02/12/10 23:17
Calibration Check	0B12049-CCV3	0b12049-031	02/12/10 23:19
Calibration Blank	0B12049-CCB3	0b12049-032	02/12/10 23:29
Blank	1001065-BLK2	0b12049-033	02/12/10 23:31

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B12049

SDG: PM020110
Project: Plainwell Mill
Instrument: 114
Calibration: 0B15021

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	1001065-BS2	0b12049-035	02/12/10 23:37
S-GW-56394-CB-020310-210	1002085-01	0b12049-036	02/12/10 23:47
S-GW-56394-CB-020310-210	1002085-01	0b12049-036	02/12/10 23:47
S-GW-56394-CB-020310-210	1001065-MS2	0b12049-037	02/12/10 23:49
S-GW-56394-CB-020310-210	1001065-MSD2	0b12049-038	02/12/10 23:51
S-GW-56394-CB-020310-210	0B12049-SRD2	0b12049-039	02/12/10 23:57
S-GW-56394-CB-020310-210	1001065-PS2	0b12049-040	02/12/10 23:59
S-GW-56394-CB-020410-217	1002085-02	0b12049-041	02/13/10 00:05
S-GW-56394-CB-020410-217	1002085-02	0b12049-041	02/13/10 00:05
Calibration Check	0B12049-CCV4	0b12049-042	02/13/10 00:07
Calibration Blank	0B12049-CCB4	0b12049-043	02/13/10 00:17

00327

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B12045
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0B12017

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B12045-CCV1	Arsenic	40.0	43.6	109	ug/L	02/12/10 18:20
	Beryllium	40.0	37.1	93	ug/L	02/12/10 18:20
	Cadmium	40.0	38.2	96	ug/L	02/12/10 18:20
	Chromium	40.0	40.5	101	ug/L	02/12/10 18:20
	Cobalt	40.0	41.1	103	ug/L	02/12/10 18:20
	Copper	40.0	43.5	109	ug/L	02/12/10 18:20
	Lead	40.0	40.4	101	ug/L	02/12/10 18:20
	Selenium	40.0	37.9	95	ug/L	02/12/10 18:20
	Silver	40.0	40.2	101	ug/L	02/12/10 18:20
	Thallium	40.0	39.1	98	ug/L	02/12/10 18:20
	Vanadium	40.0	40.7	102	ug/L	02/12/10 18:20
0B12045-CCV2	Arsenic	40.0	39.6	99	ug/L	02/12/10 18:51
	Beryllium	40.0	42.0	105	ug/L	02/12/10 18:51
	Cadmium	40.0	41.6	104	ug/L	02/12/10 18:51
	Chromium	40.0	38.7	97	ug/L	02/12/10 18:51
	Cobalt	40.0	40.7	102	ug/L	02/12/10 18:51
	Copper	40.0	38.9	97	ug/L	02/12/10 18:51
	Lead	40.0	38.7	97	ug/L	02/12/10 18:51
	Selenium	40.0	36.4	91	ug/L	02/12/10 18:51
	Silver	40.0	41.0	103	ug/L	02/12/10 18:51
	Thallium	40.0	39.6	99	ug/L	02/12/10 18:51
	Vanadium	40.0	37.6	94	ug/L	02/12/10 18:51
0B12045-CCV3	Arsenic	40.0	41.6	104	ug/L	02/12/10 19:51
	Beryllium	40.0	38.6	97	ug/L	02/12/10 19:51
	Cadmium	40.0	39.4	99	ug/L	02/12/10 19:51
	Chromium	40.0	41.6	104	ug/L	02/12/10 19:51
	Cobalt	40.0	40.9	102	ug/L	02/12/10 19:51
	Copper	40.0	41.3	103	ug/L	02/12/10 19:51
	Lead	40.0	40.8	102	ug/L	02/12/10 19:51
	Selenium	40.0	37.7	94	ug/L	02/12/10 19:51
	Silver	40.0	40.0	100	ug/L	02/12/10 19:51
	Thallium	40.0	40.1	100	ug/L	02/12/10 19:51
	Vanadium	40.0	40.2	100	ug/L	02/12/10 19:51
0B12045-CCV4	Arsenic	40.0	42.9	107	ug/L	02/12/10 20:38
	Beryllium	40.0	38.3	96	ug/L	02/12/10 20:38
	Cadmium	40.0	38.7	97	ug/L	02/12/10 20:38
	Chromium	40.0	41.6	104	ug/L	02/12/10 20:38
	Cobalt	40.0	41.0	103	ug/L	02/12/10 20:38

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B12045
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0B12017

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B12045-CCV4	Copper	40.0	42.4	106	ug/L	02/12/10 20:38
	Lead	40.0	41.7	104	ug/L	02/12/10 20:38
	Selenium	40.0	38.1	95	ug/L	02/12/10 20:38
	Silver	40.0	39.5	99	ug/L	02/12/10 20:38
	Thallium	40.0	40.2	101	ug/L	02/12/10 20:38
	Vanadium	40.0	40.2	101	ug/L	02/12/10 20:38

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B12049
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0B15021

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B12049-CCV1	Antimony	40.0	37.1	93	ug/L	02/12/10 21:59
	Zinc	40.0	39.9	100	ug/L	02/12/10 21:59
0B12049-CCV2	Antimony	40.0	37.7	94	ug/L	02/12/10 22:25
	Zinc	40.0	40.1	100	ug/L	02/12/10 22:25
0B12049-CCV3	Antimony	40.0	36.3	91	ug/L	02/12/10 23:19
	Zinc	40.0	40.3	101	ug/L	02/12/10 23:19
0B12049-CCV4	Antimony	40.0	36.7	92	ug/L	02/13/10 00:07
	Zinc	40.0	40.6	102	ug/L	02/13/10 00:07

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B12045
Instrument: 114
Laboratory ID: 0B12045-SCV1
Calibration: 0B12017

Analyte	Expected	Found	% R	QC Limit	Units
Arsenic	40.0	43.6	109	90-110	ug/L
Beryllium	40.0	37.1	93	90-110	ug/L
Cadmium	40.0	38.2	96	90-110	ug/L
Chromium	40.0	40.5	101	90-110	ug/L
Cobalt	40.0	41.1	103	90-110	ug/L
Copper	40.0	43.5	109	90-110	ug/L
Lead	40.0	40.4	101	90-110	ug/L
Selenium	40.0	37.9	95	90-110	ug/L
Silver	40.0	40.2	101	90-110	ug/L
Thallium	40.0	39.1	98	90-110	ug/L
Vanadium	40.0	40.7	102	90-110	ug/L

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B12049
Instrument: 114
Laboratory ID: 0B12049-SCV1
Calibration: 0B15021

Analyte	Expected	Found	% R	QC Limit	Units
Antimony	40.0	37.1	93	90-110	ug/L
Zinc	40.0	39.9	100	90-110	ug/L

* Values outside of QC limits

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM020110

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0B12045

Instrument ID: 114

Calibration: 0B12017

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B12045-CRL1	Cadmium	0.200	0.205	102	ug/L	50 - 150
	Silver	0.200	0.193	97	ug/L	50 - 150
	Thallium	0.200	0.199	99	ug/L	50 - 150
0B12045-CRL2	Arsenic	1.00	1.09	109	ug/L	50 - 150
	Beryllium	1.00	0.937	94	ug/L	50 - 150
	Chromium	1.00	1.07	107	ug/L	50 - 150
	Cobalt	1.00	1.01	101	ug/L	50 - 150
	Copper	1.00	1.10	110	ug/L	50 - 150
	Lead	1.00	1.01	101	ug/L	50 - 150
	Selenium	1.00	0.884	88	ug/L	50 - 150
	Vanadium	1.00	1.07	107	ug/L	50 - 150

* Values outside of QC limits

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM020110

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0B12049

Instrument ID: 114

Calibration: 0B15021

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B12049-CRL1	Antimony	1.00	1.19	119	ug/L	50 - 150
	Zinc	1.00	0.931	93	ug/L	50 - 150

* Values outside of QC limits

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B12045

SDG: PM020110
Project: Plainwell Mill
Instrument ID: 114
Calibration: 0B12017

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B12045-CCB1	Arsenic	0.10	0.20	0.076	ug/L	J	02/12/10 18:31
	Beryllium	0.0039	0.20	0.060	ug/L	U	02/12/10 18:31
	Cadmium	0.0027	0.040	0.011	ug/L	U	02/12/10 18:31
	Chromium	-0.018	1.0	0.091	ug/L	U	02/12/10 18:31
	Cobalt	-0.0022	0.20	0.0084	ug/L	U	02/12/10 18:31
	Copper	-0.014	0.40	0.14	ug/L	U	02/12/10 18:31
	Lead	-0.0033	0.20	0.043	ug/L	U	02/12/10 18:31
	Selenium	0.34	0.40	0.16	ug/L	J	02/12/10 18:31
	Silver	0.0053	0.040	0.012	ug/L	U	02/12/10 18:31
	Thallium	0.00092	0.20	0.011	ug/L	U	02/12/10 18:31
	Vanadium	-0.0063	0.20	0.056	ug/L	U	02/12/10 18:31
0B12045-CCB2	Arsenic	-0.024	0.20	0.076	ug/L	U	02/12/10 19:02
	Beryllium	0.0023	0.20	0.060	ug/L	U	02/12/10 19:02
	Cadmium	0.0025	0.040	0.011	ug/L	U	02/12/10 19:02
	Chromium	-0.019	1.0	0.091	ug/L	U	02/12/10 19:02
	Cobalt	-0.00056	0.20	0.0084	ug/L	U	02/12/10 19:02
	Copper	0.014	0.40	0.14	ug/L	U	02/12/10 19:02
	Lead	-0.0072	0.20	0.043	ug/L	U	02/12/10 19:02
	Selenium	0.16	0.40	0.16	ug/L	J	02/12/10 19:02
	Silver	0.0055	0.040	0.012	ug/L	U	02/12/10 19:02
	Thallium	0.0017	0.20	0.011	ug/L	U	02/12/10 19:02
	Vanadium	-0.0042	0.20	0.056	ug/L	U	02/12/10 19:02
0B12045-CCB3	Arsenic	0.0022	0.20	0.076	ug/L	U	02/12/10 19:57
	Beryllium	0.0046	0.20	0.060	ug/L	U	02/12/10 19:57
	Cadmium	0.0010	0.040	0.011	ug/L	U	02/12/10 19:57
	Chromium	0.082	1.0	0.091	ug/L	U	02/12/10 19:57
	Cobalt	-0.0018	0.20	0.0084	ug/L	U	02/12/10 19:57
	Copper	0.029	0.40	0.14	ug/L	U	02/12/10 19:57
	Lead	-0.0087	0.20	0.043	ug/L	U	02/12/10 19:57
	Selenium	0.35	0.40	0.16	ug/L	J	02/12/10 19:57
	Silver	0.016	0.040	0.012	ug/L	J	02/12/10 19:57
	Thallium	0.0011	0.20	0.011	ug/L	U	02/12/10 19:57
	Vanadium	0.021	0.20	0.056	ug/L	U	02/12/10 19:57

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B12045

SDG: PM020110
Project: Plainwell Mill
Instrument ID: 114
Calibration: 0B12017

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B12045-CCB4	Arsenic	0.060	0.20	0.076	ug/L	U	02/12/10 20:49
	Beryllium	0.0069	0.20	0.060	ug/L	U	02/12/10 20:49
	Cadmium	0.0025	0.040	0.011	ug/L	U	02/12/10 20:49
	Chromium	0.089	1.0	0.091	ug/L	U	02/12/10 20:49
	Cobalt	-0.0028	0.20	0.0084	ug/L	U	02/12/10 20:49
	Copper	-0.037	0.40	0.14	ug/L	U	02/12/10 20:49
	Lead	-0.0093	0.20	0.043	ug/L	U	02/12/10 20:49
	Selenium	0.20	0.40	0.16	ug/L	J	02/12/10 20:49
	Silver	0.0065	0.040	0.012	ug/L	U	02/12/10 20:49
	Thallium	-0.00050	0.20	0.011	ug/L	U	02/12/10 20:49
	Vanadium	0.026	0.20	0.056	ug/L	U	02/12/10 20:49

* Values outside of QC limits

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B12049
Instrument ID: 114
Calibration: 0B15021

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B12049-CCB1	Antimony	0.065	0.20	0.071	ug/L	U	02/12/10 22:12
	Zinc	0.044	10	0.58	ug/L	U	02/12/10 22:12
0B12049-CCB2	Antimony	0.034	0.20	0.071	ug/L	U	02/12/10 22:41
	Zinc	0.0070	10	0.58	ug/L	U	02/12/10 22:41
0B12049-CCB3	Antimony	0.070	0.20	0.071	ug/L	U	02/12/10 23:29
	Zinc	0.0054	10	0.58	ug/L	U	02/12/10 23:29
0B12049-CCB4	Antimony	0.074	0.20	0.071	ug/L	J	02/13/10 00:17
	Zinc	0.0080	10	0.58	ug/L	U	02/13/10 00:17

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM020110

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0B12045

Instrument ID: 114

Calibration: 0B12017

Lab Sample ID	Analyte	True	Found	%R	Units
0B12045-IFA1	Arsenic	0.00	0.0501		ug/L
	Beryllium	0.00	0.00116		ug/L
	Cadmium	0.00	-0.00177		ug/L
	Chromium	0.00	0.238		ug/L
	Cobalt	0.00	0.00862		ug/L
	Copper	0.00	0.328		ug/L
	Lead	0.00	0.0173		ug/L
	Selenium	0.00	0.167		ug/L
	Silver	0.00	0.0351		ug/L
	Thallium	0.00	0.0216		ug/L
	Vanadium	0.00	-0.0151		ug/L
0B12045-IFB1	Arsenic	20.0	21.7	108	ug/L
	Beryllium	20.0	18.2	91	ug/L
	Cadmium	20.0	19.8	99	ug/L
	Chromium	20.0	19.2	96	ug/L
	Cobalt	20.0	19.2	96	ug/L
	Copper	20.0	20.9	104	ug/L
	Lead	20.0	20.0	100	ug/L
	Selenium	20.0	19.8	99	ug/L
	Silver	20.0	20.4	102	ug/L
	Thallium	20.0	19.9	100	ug/L
	Vanadium	20.0	20.4	102	ug/L

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B12049

SDG: PM020110

Project: Plainwell Mill

Instrument ID: 114

Calibration: 0B15021

Lab Sample ID	Analyte	True	Found	%R	Units
0B12049-IFA1	Antimony	0.00	0.0132		ug/L
	Zinc	0.00	-0.0182		ug/L
0B12049-IFB1	Antimony	20.0	18.4	92	ug/L
	Zinc	20.0	19.8	99	ug/L

* Values outside of QC limits

QC BATCH SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM020110

Client: SulTRAC Project: Plainwell Mill

QC Batch: 1000975 QC Batch Matrix: Water Preparation: 3020A Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000975-BLK1	02/04/10 07:00	
Blank	1000975-BLK2	02/04/10 07:00	
LCS	1000975-BS1	02/04/10 07:00	
LCS	1000975-BS2	02/04/10 07:00	
S-GW-56394-CB-020110-199	1000975-MS1	02/04/10 07:00	
S-GW-56394-CB-020110-199	1000975-MS2	02/04/10 07:00	
S-GW-56394-CB-020110-199	1000975-MSD1	02/04/10 07:00	
S-GW-56394-CB-020110-199	1000975-MSD2	02/04/10 07:00	
S-GW-56394-CB-020110-199	1000975-PS1	02/12/10 17:30	[Spk] 25mL->125mL; 10mL->10mL; Spiked 10mL
S-GW-56394-CB-020110-199	1000975-PS2	02/12/10 17:30	[Spk] 25mL->125mL; 10mL->10mL; Spiked 10mL
S-GW-56394-CB-020110-199	1002041-01	02/04/10 07:00	
S-GW-56394-CB-020110-201	1002041-02	02/04/10 07:00	
S-GW-56394-CB-020210-205	1002041-03	02/04/10 07:00	
SD-GW-56394-CB-020210-205	1002041-04	02/04/10 07:00	

: 00340

QC BATCH SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM020110

Client: SulTRAC *Project:* Plainwell Mill

QC Batch: 1001065 QC Batch Matrix: Water Preparation: 3020A Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1001065-BLK1	02/09/10 07:00	
Blank	1001065-BLK2	02/09/10 07:00	
LCS	1001065-BS1	02/09/10 07:00	
LCS	1001065-BS2	02/09/10 07:00	
S-GW-56394-CB-020310-210	1001065-MS1	02/09/10 07:00	
S-GW-56394-CB-020310-210	1001065-MS2	02/09/10 07:00	
S-GW-56394-CB-020310-210	1001065-MSD1	02/09/10 07:00	
S-GW-56394-CB-020310-210	1001065-MSD2	02/09/10 07:00	
S-GW-56394-CB-020310-210	1001065-PS1	02/12/10 17:30	[Spk] 25mL->125mL; 10mL->10mL; Spiked 10mL
S-GW-56394-CB-020310-210	1001065-PS2	02/12/10 17:30	[Spk] 25mL->125mL; 10mL->10mL; Spiked 10mL
S-GW-56394-CB-020310-210	1002085-01	02/09/10 07:00	
S-GW-56394-CB-020410-217	1002085-02	02/09/10 07:00	

: 00341

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
Laboratory ID: 1000975-BLK1
File ID: 0b12045-017
Prepared: 02/04/10 07:00
Preparation: 3020A Digestion
Initial/Final: 25 mL / 125 mL
Analyzed: 02/12/10 19:05
Instrument: 114
QC Batch: 1000975
Sequence: 0B12045
Calibration: 0B12017

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-38-2	Arsenic, Total	0.38	1.0	1.0	ug/L	U
7440-41-7	Beryllium, Total	0.30	1.0	1.0	ug/L	U
7440-43-9	Cadmium, Total	0.055	0.20	0.20	ug/L	U
7440-47-3	Chromium, Total	0.46	5.0	5.0	ug/L	U
7440-48-4	Cobalt, Total	0.042	1.0	1.0	ug/L	U
7440-50-8	Copper, Total	0.71	2.0	2.0	ug/L	U
7439-92-1	Lead, Total	0.22	1.0	1.0	ug/L	U
7782-49-2	Selenium, Total	0.82	2.0	2.0	ug/L	U
7440-22-4	Silver, Total	0.061	0.20	0.20	ug/L	U
7440-28-0	Thallium, Total	0.056	1.0	1.0	ug/L	U
7440-62-2	Vanadium, Total	0.28	1.0	1.0	ug/L	U

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
Laboratory ID: 1000975-BLK2
File ID: 0b12049-021
Prepared: 02/04/10 07:00
Preparation: 3020A Digestion
Initial/Final: 25 mL / 125 mL
Analyzed: 02/12/10 22:43
Instrument: 114
QC Batch: 1000975
Sequence: 0B12049
Calibration: 0B15021

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-36-0	Antimony, Total	0.36	1.0	1.0	ug/L	U
7440-66-6	Zinc, Total	2.9	50	50	ug/L	U

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
Laboratory ID: 1001065-BLK1
File ID: 0b12045-029
Prepared: 02/09/10 07:00
Preparation: 3020A Digestion
Initial/Final: 25 mL / 125 mL
Analyzed: 02/12/10 20:00
Instrument: 114
QC Batch: 1001065
Sequence: 0B12045
Calibration: 0B12017

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-38-2	Arsenic, Total	0.38	1.0	1.0	ug/L	U
7440-41-7	Beryllium, Total	0.30	1.0	1.0	ug/L	U
7440-43-9	Cadmium, Total	0.055	0.20	0.20	ug/L	U
7440-47-3	Chromium, Total	0.46	5.0	5.0	ug/L	U
7440-48-4	Cobalt, Total	0.042	1.0	1.0	ug/L	U
7440-50-8	Copper, Total	0.71	2.0	2.0	ug/L	U
7439-92-1	Lead, Total	0.22	1.0	1.0	ug/L	U
7782-49-2	Selenium, Total	0.82	2.0	1.0	ug/L	J
7440-22-4	Silver, Total	0.061	0.20	0.20	ug/L	U
7440-28-0	Thallium, Total	0.056	1.0	1.0	ug/L	U
7440-62-2	Vanadium, Total	0.28	1.0	1.0	ug/L	U

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
Laboratory ID: 1001065-BLK2
File ID: 0b12049-033
Prepared: 02/09/10 07:00
Preparation: 3020A Digestion
Initial/Final: 25 mL / 125 mL
Analyzed: 02/12/10 23:31
Instrument: 114
QC Batch: 1001065
Sequence: 0B12049
Calibration: 0B15021

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-36-0	Antimony, Total	0.36	1.0	1.0	ug/L	U
7440-66-6	Zinc, Total	2.9	50	50	ug/L	U

00345

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-GW-56394-CB-020110-199

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

SDG: PM020110

Project: Plainwell Mill

Preparation: 3020A Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1000975-MS1

QC Batch: 1000975

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Arsenic, Total	50.0	3.08	58.8	111	75 - 125	ug/L
Beryllium, Total	50.0	ND	49.9	100	75 - 125	ug/L
Cadmium, Total	50.0	ND	52.5	105	75 - 125	ug/L
Chromium, Total	50.0	ND	55.6	111	75 - 125	ug/L
Cobalt, Total	50.0	0.245	53.8	107	75 - 125	ug/L
Copper, Total	50.0	0.799	56.8	112	75 - 125	ug/L
Lead, Total	50.0	ND	56.4	113	75 - 125	ug/L
Selenium, Total	50.0	ND	51.1	102	75 - 125	ug/L
Silver, Total	50.0	0.140	38.6	77	75 - 125	ug/L
Thallium, Total	50.0	ND	54.9	110	75 - 125	ug/L
Vanadium, Total	50.0	ND	56.5	113	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

S-GW-56394-CB-020110-199

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

SDG: PM020110

Project: Plainwell Mill

Preparation: 3020A Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1000975-MSD1

QC Batch: 1000975

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Arsenic, Total	50.0	56.4	107	4	20	75 - 125	ug/L
Beryllium, Total	50.0	54.7	109	9	20	75 - 125	ug/L
Cadmium, Total	50.0	54.3	109	3	20	75 - 125	ug/L
Chromium, Total	50.0	55.3	111	0.4	20	75 - 125	ug/L
Cobalt, Total	50.0	54.8	109	2	20	75 - 125	ug/L
Copper, Total	50.0	53.8	106	5	20	75 - 125	ug/L
Lead, Total	50.0	55.5	111	2	20	75 - 125	ug/L
Selenium, Total	50.0	51.3	103	0.5	20	75 - 125	ug/L
Silver, Total	50.0	45.5	91	16	20	75 - 125	ug/L
Thallium, Total	50.0	54.6	109	0.5	20	75 - 125	ug/L
Vanadium, Total	50.0	54.7	109	3	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

S-GW-56394-CB-020110-199

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

SDG: PM020110

Project: Plainwell Mill

Preparation: 3020A Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1000975-MS2

QC Batch: 1000975

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Antimony, Total	50.0	ND	59.3	119	75 - 125	ug/L
Zinc, Total	50.0	ND	54.4	109	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

S-GW-56394-CB-020110-199

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

SDG: PM020110

Project: Plainwell Mill

Preparation: 3020A Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1000975-MSD2

QC Batch: 1000975

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Antimony, Total	50.0	57.9	116	2	20	75 - 125	ug/L
Zinc, Total	50.0	53.5	107	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

S-GW-56394-CB-020310-210

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

SDG: PM020110

Project: Plainwell Mill

Preparation: 3020A Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1001065-MS1

QC Batch: 1001065

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Arsenic, Total	50.0	ND	43.5	87	75 - 125	ug/L
Beryllium, Total	50.0	ND	41.9	84	75 - 125	ug/L
Cadmium, Total	50.0	ND	44.2	88	75 - 125	ug/L
Chromium, Total	50.0	0.825	45.0	88	75 - 125	ug/L
Cobalt, Total	50.0	0.213	43.4	86	75 - 125	ug/L
Copper, Total	50.0	1.20	47.2	92	75 - 125	ug/L
Lead, Total	50.0	ND	42.9	86	75 - 125	ug/L
Selenium, Total	50.0	ND	39.3	79	75 - 125	ug/L
Silver, Total	50.0	0.147	45.5	91	75 - 125	ug/L
Thallium, Total	50.0	ND	43.1	86	75 - 125	ug/L
Vanadium, Total	50.0	0.292	49.1	98	75 - 125	ug/L

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

* Values outside of QC limits

00350

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-GW-56394-CB-020310-210

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

SDG: PM020110

Project: Plainwell Mill

Preparation: 3020A Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1001065-MSD1

QC Batch: 1001065

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Arsenic, Total	50.0	41.8	84	4	20	75 - 125	ug/L
Beryllium, Total	50.0	45.5	91	8	20	75 - 125	ug/L
Cadmium, Total	50.0	48.8	98	10	20	75 - 125	ug/L
Chromium, Total	50.0	41.6	82	8	20	75 - 125	ug/L
Cobalt, Total	50.0	44.2	88	2	20	75 - 125	ug/L
Copper, Total	50.0	43.7	85	8	20	75 - 125	ug/L
Lead, Total	50.0	41.9	84	2	20	75 - 125	ug/L
Selenium, Total	50.0	38.5	77	2	20	75 - 125	ug/L
Silver, Total	50.0	46.6	93	2	20	75 - 125	ug/L
Thallium, Total	50.0	43.9	88	2	20	75 - 125	ug/L
Vanadium, Total	50.0	44.9	89	9	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

S-GW-56394-CB-020310-210

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

SDG: PM020110

Project: Plainwell Mill

Preparation: 3020A Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1001065-MS2

QC Batch: 1001065

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Antimony, Total	50.0	ND	49.5	99	75 - 125	ug/L
Zinc, Total	50.0	ND	53.7	107	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

S-GW-56394-CB-020310-210

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

SDG: PM020110

Project: Plainwell Mill

Preparation: 3020A Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1001065-MSD2

QC Batch: 1001065

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Antimony, Total	50.0	44.6	89	10	20	75 - 125	ug/L
Zinc, Total	50.0	47.0	94	13	20	75 - 125	ug/L

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

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-GW-56394-CB-020110-199

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
% Solids:
Laboratory ID: 1000975-PS1
Lab Source ID: 1002041-01

SDG: PM020110
Project: Plainwell Mill
Preparation: 3020A Digestion
Initial/Final: 2 mL / 10 mL
QC Batch: 1000975
Sequence: 0B12045

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Arsenic, Total	80 - 120	20.0	0.616	20.0	97	ug/L
Beryllium, Total	80 - 120	19.1	0.00259	20.0	95	ug/L
Cadmium, Total	80 - 120	19.5	-0.00138	20.0	97	ug/L
Chromium, Total	80 - 120	20.3	0.00437	20.0	101	ug/L
Cobalt, Total	80 - 120	19.8	0.0491	20.0	99	ug/L
Copper, Total	80 - 120	19.4	0.160	20.0	96	ug/L
Lead, Total	80 - 120	20.1	-0.000618	20.0	100	ug/L
Selenium, Total	80 - 120	18.4	0.156	20.0	91	ug/L
Silver, Total	80 - 120	19.7	0.0280	20.0	98	ug/L
Thallium, Total	80 - 120	20.0	0.00280	20.0	100	ug/L
Vanadium, Total	80 - 120	20.0	0.0138	20.0	100	ug/L

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-GW-56394-CB-020110-199

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
% Solids:
Laboratory ID: 1000975-PS2
Lab Source ID: 1002041-01

SDG: PM020110
Project: Plainwell Mill
Preparation: 3020A Digestion
Initial/Final: 2 mL / 10 mL
QC Batch: 1000975
Sequence: 0B12049

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Antimony, Total	80 - 120	17.8	0.0403	20.0	89	ug/L
Zinc, Total	80 - 120	19.2	0.346	20.0	94	ug/L

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-GW-56394-CB-020310-210

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
% Solids:
Laboratory ID: 1001065-PS1
Lab Source ID: 1002085-01

SDG: PM020110
Project: Plainwell Mill
Preparation: 3020A Digestion
Initial/Final: 2 mL / 10 mL
QC Batch: 1001065
Sequence: 0B12045

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Arsenic, Total	80 - 120	19.6	0.0320	20.0	98	ug/L
Beryllium, Total	80 - 120	18.6	0.00642	20.0	93	ug/L
Cadmium, Total	80 - 120	20.3	0.00161	20.0	102	ug/L
Chromium, Total	80 - 120	19.5	0.165	20.0	97	ug/L
Cobalt, Total	80 - 120	19.5	0.0426	20.0	97	ug/L
Copper, Total	80 - 120	20.7	0.240	20.0	102	ug/L
Lead, Total	80 - 120	19.0	-0.00111	20.0	95	ug/L
Selenium, Total	80 - 120	17.6	0.127	20.0	87	ug/L
Silver, Total	80 - 120	20.6	0.0294	20.0	103	ug/L
Thallium, Total	80 - 120	19.4	0.00544	20.0	97	ug/L
Vanadium, Total	80 - 120	21.7	0.0584	20.0	108	ug/L

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-GW-56394-CB-020310-210

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
% Solids:
Laboratory ID: 1001065-PS2
Lab Source ID: 1002085-01

SDG: PM020110
Project: Plainwell Mill
Preparation: 3020A Digestion
Initial/Final: 2 mL / 10 mL
QC Batch: 1001065
Sequence: 0B12049

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Antimony, Total	80 - 120	18.0	0.0425	20.0	90	ug/L
Zinc, Total	80 - 120	19.7	0.492	20.0	96	ug/L

* Values outside of QC limits

: 00357

LCS / LCS DUPLICATE RECOVERY
USEPA-6020A

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

Laboratory ID: 1000975-BS1

SDG: PM020110
Project: Plainwell Mill
Preparation: 3020A Digestion
Initial/Final: 25 mL / 125 mL
QC Batch: 1000975
Sequence: 0B12045

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Arsenic, Total	50.0	49.3	99	80 - 120	ug/L
Beryllium, Total	50.0	58.0	116	80 - 120	ug/L
Cadmium, Total	50.0	57.1	114	80 - 120	ug/L
Chromium, Total	50.0	52.1	104	80 - 120	ug/L
Cobalt, Total	50.0	55.8	112	80 - 120	ug/L
Copper, Total	50.0	54.1	108	80 - 120	ug/L
Lead, Total	50.0	52.3	105	80 - 120	ug/L
Selenium, Total	50.0	46.8	94	80 - 120	ug/L
Silver, Total	50.0	53.3	107	80 - 120	ug/L
Thallium, Total	50.0	54.8	110	80 - 120	ug/L
Vanadium, Total	50.0	52.6	105	80 - 120	ug/L

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

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY
USEPA-6020A

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

Laboratory ID: 1000975-BS2

SDG: PM020110
Project: Plainwell Mill
Preparation: 3020A Digestion
Initial/Final: 25 mL / 125 mL
QC Batch: 1000975
Sequence: 0B12049

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Antimony, Total	50.0	51.3	103	80 - 120	ug/L
Zinc, Total	50.0	55.4	111	80 - 120	ug/L

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

* Values outside of QC limits

: 00359

LCS / LCS DUPLICATE RECOVERY

USEPA-6020A

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

Laboratory ID: 1001065-BS1

SDG: PM020110
Project: Plainwell Mill
Preparation: 3020A Digestion
Initial/Final: 25 mL / 125 mL
QC Batch: 1001065
Sequence: 0B12045

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Arsenic, Total	50.0	46.0	92	80 - 120	ug/L
Beryllium, Total	50.0	40.9	82	80 - 120	ug/L
Cadmium, Total	50.0	43.2	86	80 - 120	ug/L
Chromium, Total	50.0	48.4	97	80 - 120	ug/L
Cobalt, Total	50.0	46.5	93	80 - 120	ug/L
Copper, Total	50.0	50.6	101	80 - 120	ug/L
Lead, Total	50.0	46.1	92	80 - 120	ug/L
Selenium, Total	50.0	41.9	84	80 - 120	ug/L
Silver, Total	50.0	45.0	90	80 - 120	ug/L
Thallium, Total	50.0	44.7	89	80 - 120	ug/L
Vanadium, Total	50.0	49.3	99	80 - 120	ug/L

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

* Values outside of QC limits

: 00360

LCS / LCS DUPLICATE RECOVERY
USEPA-6020A

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

Laboratory ID: 1001065-BS2

SDG: PM020110
Project: Plainwell Mill
Preparation: 3020A Digestion
Initial/Final: 25 mL / 125 mL
QC Batch: 1001065
Sequence: 0B12049

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Antimony, Total	50.0	44.0	88	80 - 120	ug/L
Zinc, Total	50.0	49.0	98	80 - 120	ug/L

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

* Values outside of QC limits

SERIAL DILUTION

USEPA-6020A

S-GW-56394-CB-020110-199

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
% Solids:
Laboratory ID: 0B12045-SRD1
QC Batch: 0B12045
Lab Source ID: 1002041-01
Sequence: 0B12045

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Arsenic, Total	0.616		0.446	J	28.0 #		ug/L	10
Beryllium, Total	0.00259	U	0.00561	U	117.0 #		ug/L	10
Cadmium, Total	-0.00138	U	-0.00489	U	254.0 #		ug/L	10
Chromium, Total	0.00437	U	0.330	U	7451.0 #		ug/L	10
Cobalt, Total	0.0491	J	0.0498	J	1.0 #		ug/L	10
Copper, Total	0.160	J	0.259	U	62.0 #		ug/L	10
Lead, Total	-0.000618	U	-0.0197	U	3088.0 #		ug/L	10
Selenium, Total	0.156	U	0.750	U	381.0 #		ug/L	10
Silver, Total	0.0280	J	0.0864	J	209.0 #		ug/L	10
Thallium, Total	0.00280	U	0.0195	U	596.0 #		ug/L	10
Vanadium, Total	0.0138	U	0.0998	U	623.0 #		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-GW-56394-CB-020310-210

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
% Solids:
Laboratory ID: 0B12045-SRD2
QC Batch: 0B12045
Lab Source ID: 1002085-01
Sequence: 0B12045

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Arsenic, Total	0.0320	U	-0.159	U	597.0 #		ug/L	10
Beryllium, Total	0.00642	U	0.0104	U	62.0 #		ug/L	10
Cadmium, Total	0.00161	U	-0.00112	U	170.0 #		ug/L	10
Chromium, Total	0.165	J	0.721	J	337.0 #		ug/L	10
Cobalt, Total	0.0426	J	0.0299	U	30.0 #		ug/L	10
Copper, Total	0.240	J	0.140	U	42.0 #		ug/L	10
Lead, Total	-0.00111	U	-0.0312	U	2711.0 #		ug/L	10
Selenium, Total	0.127	U	0.357	U	181.0 #		ug/L	10
Silver, Total	0.0294	J	0.0993	J	238.0 #		ug/L	10
Thallium, Total	0.00544	U	0.00556	U	2.0 #		ug/L	10
Vanadium, Total	0.0584	J	0.223	U	282.0 #		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-GW-56394-CB-020110-199

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
% Solids:
Laboratory ID: 0B12049-SRD1
QC Batch: 0B12049
Lab Source ID: 1002041-01
Sequence: 0B12049

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Antimony, Total	0.0403	U	-0.0712	U	277.0 #		ug/L	10
Zinc, Total	0.346	U	0.112	U	68.0 #		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.

00364

SERIAL DILUTION
USEPA-6020A

S-GW-56394-CB-020310-210

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
% Solids:
Laboratory ID: 0B12049-SRD2
QC Batch: 0B12049
Lab Source ID: 1002085-01
Sequence: 0B12049

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Antimony, Total	0.0425	U	-0.0760	U	279.0 #		ug/L	10
Zinc, Total	0.492	U	0.193	U	61.0 #		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.

: 00365

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM020110

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-GW-56394-CB-020110-199	02/01/10	02/02/10		02/04/10	3	NA	02/12/10	11	180	
S-GW-56394-CB-020110-199	02/01/10	02/02/10		02/04/10	3	NA	02/12/10	11	180	
S-GW-56394-CB-020110-199	02/01/10	02/02/10		02/04/10	3	NA	02/12/10	11	180	
S-GW-56394-CB-020110-199	02/01/10	02/02/10		02/04/10	3	NA	02/12/10	11	180	
S-GW-56394-CB-020110-199	02/01/10	02/02/10		02/04/10	3	NA	02/12/10	11	180	
S-GW-56394-CB-020110-199	02/01/10	02/02/10		02/04/10	3	NA	02/12/10	11	180	
S-GW-56394-CB-020110-199	02/01/10	02/02/10		02/04/10	3	NA	02/12/10	11	180	
S-GW-56394-CB-020110-199	02/01/10	02/02/10		02/04/10	3	NA	02/12/10	11	180	
S-GW-56394-CB-020110-199	02/01/10	02/02/10		02/04/10	3	NA	02/12/10	11	180	
S-GW-56394-CB-020110-199	02/01/10	02/02/10		02/04/10	3	NA	02/12/10	11	180	
S-GW-56394-CB-020110-199	02/01/10	02/02/10		02/04/10	3	NA	02/12/10	11	180	
S-GW-56394-CB-020110-199	02/01/10	02/02/10		02/04/10	3	NA	02/12/10	12	180	
S-GW-56394-CB-020110-199	02/01/10	02/02/10		02/04/10	3	NA	02/12/10	12	180	
S-GW-56394-CB-020110-201	02/01/10	02/02/10		02/04/10	3	NA	02/12/10	11	180	
S-GW-56394-CB-020110-201	02/01/10	02/02/10		02/04/10	3	NA	02/12/10	11	180	
S-GW-56394-CB-020110-201	02/01/10	02/02/10		02/04/10	3	NA	02/12/10	11	180	
S-GW-56394-CB-020110-201	02/01/10	02/02/10		02/04/10	3	NA	02/12/10	11	180	
S-GW-56394-CB-020110-201	02/01/10	02/02/10		02/04/10	3	NA	02/12/10	11	180	
S-GW-56394-CB-020110-201	02/01/10	02/02/10		02/04/10	3	NA	02/12/10	11	180	
S-GW-56394-CB-020110-201	02/01/10	02/02/10		02/04/10	3	NA	02/12/10	11	180	
S-GW-56394-CB-020110-201	02/01/10	02/02/10		02/04/10	3	NA	02/12/10	11	180	

: 00366

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM020110

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-GW-56394-CB-020110-201	02/01/10	02/02/10		02/04/10	3	NA	02/12/10	11	180	
S-GW-56394-CB-020110-201	02/01/10	02/02/10		02/04/10	3	NA	02/12/10	11	180	
S-GW-56394-CB-020110-201	02/01/10	02/02/10		02/04/10	3	NA	02/12/10	11	180	
S-GW-56394-CB-020110-201	02/01/10	02/02/10		02/04/10	3	NA	02/12/10	11	180	
S-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/12/10	10	180	
S-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/12/10	10	180	
S-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/12/10	10	180	
S-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/12/10	10	180	
S-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/12/10	10	180	
S-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/12/10	10	180	
S-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/12/10	10	180	
S-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/12/10	10	180	
S-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/12/10	10	180	
S-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/12/10	10	180	
S-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/12/10	10	180	
S-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/12/10	10	180	
S-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/12/10	11	180	
S-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/12/10	11	180	
SD-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/12/10	10	180	
SD-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/12/10	10	180	
SD-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/12/10	10	180	
SD-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/12/10	10	180	
SD-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/12/10	10	180	

00367

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM020110

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-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/12/10	10	180	
SD-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/12/10	10	180	
SD-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/12/10	10	180	
SD-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/12/10	10	180	
SD-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/12/10	10	180	
SD-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/12/10	10	180	
SD-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/12/10	11	180	
SD-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/12/10	11	180	
S-GW-56394-CB-020310-210	02/03/10	02/04/10		02/09/10	6	NA	02/12/10	9	180	
S-GW-56394-CB-020310-210	02/03/10	02/04/10		02/09/10	6	NA	02/12/10	9	180	
S-GW-56394-CB-020310-210	02/03/10	02/04/10		02/09/10	6	NA	02/12/10	9	180	
S-GW-56394-CB-020310-210	02/03/10	02/04/10		02/09/10	6	NA	02/12/10	9	180	
S-GW-56394-CB-020310-210	02/03/10	02/04/10		02/09/10	6	NA	02/12/10	9	180	
S-GW-56394-CB-020310-210	02/03/10	02/04/10		02/09/10	6	NA	02/12/10	9	180	
S-GW-56394-CB-020310-210	02/03/10	02/04/10		02/09/10	6	NA	02/12/10	9	180	
S-GW-56394-CB-020310-210	02/03/10	02/04/10		02/09/10	6	NA	02/12/10	9	180	
S-GW-56394-CB-020310-210	02/03/10	02/04/10		02/09/10	6	NA	02/12/10	9	180	
S-GW-56394-CB-020310-210	02/03/10	02/04/10		02/09/10	6	NA	02/12/10	9	180	
S-GW-56394-CB-020310-210	02/03/10	02/04/10		02/09/10	6	NA	02/12/10	10	180	
S-GW-56394-CB-020310-210	02/03/10	02/04/10		02/09/10	6	NA	02/12/10	10	180	
S-GW-56394-CB-020410-217	02/04/10	02/04/10		02/09/10	5	NA	02/12/10	8	180	

: 00368

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM020110

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-GW-56394-CB-020410-217	02/04/10	02/04/10		02/09/10	5	NA	02/12/10	8	180	
S-GW-56394-CB-020410-217	02/04/10	02/04/10		02/09/10	5	NA	02/12/10	8	180	
S-GW-56394-CB-020410-217	02/04/10	02/04/10		02/09/10	5	NA	02/12/10	8	180	
S-GW-56394-CB-020410-217	02/04/10	02/04/10		02/09/10	5	NA	02/12/10	8	180	
S-GW-56394-CB-020410-217	02/04/10	02/04/10		02/09/10	5	NA	02/12/10	8	180	
S-GW-56394-CB-020410-217	02/04/10	02/04/10		02/09/10	5	NA	02/12/10	8	180	
S-GW-56394-CB-020410-217	02/04/10	02/04/10		02/09/10	5	NA	02/12/10	8	180	
S-GW-56394-CB-020410-217	02/04/10	02/04/10		02/09/10	5	NA	02/12/10	8	180	
S-GW-56394-CB-020410-217	02/04/10	02/04/10		02/09/10	5	NA	02/12/10	8	180	
S-GW-56394-CB-020410-217	02/04/10	02/04/10		02/09/10	5	NA	02/13/10	9	180	
S-GW-56394-CB-020410-217	02/04/10	02/04/10		02/09/10	5	NA	02/13/10	9	180	

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TriMatrix Laboratories, Inc.

PREPARATION BATCH **1000975** Page 1 of 1

Printed: 2/16/2010 9:44:20AM

Metals, Water, 3020A Digestion

07300

Batch comments:

MAS 02/04/10 7:00AM-4;00PM
INST#217@93.2C#223
HOTBLOCK VESSEL OT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1000975-BLK1		Feb-04-10 07:00	MAS	25	125				
1000975-BLK2		Feb-04-10 07:00	MAS	25	125				
1000975-BS1		Feb-04-10 07:00	MAS	25	125		9120124	25	
1000975-BS2		Feb-04-10 07:00	MAS	25	125		0020362	25	
1000975-MS1		Feb-04-10 07:00	MAS	25	125	1002041-01	9120124	25	
1000975-MS2		Feb-04-10 07:00	MAS	25	125	1002041-01	0020362	25	
1000975-MSD1		Feb-04-10 07:00	MAS	25	125	1002041-01	9120124	25	
1000975-MSD2		Feb-04-10 07:00	MAS	25	125	1002041-01	0020362	25	
1000975-PS1		Feb-12-10 17:30	DWJ	2	10	1002041-01	9120102	50	[Spk] 25mL->125mL; 10mL->10mL; Spike
1000975-PS2		Feb-12-10 17:30	DWJ	2	10	1002041-01	9120102	50	[Spk] 25mL->125mL; 10mL->10mL; Spike
1002041-01	B	Feb-04-10 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*					
1002041-02	B	Feb-04-10 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*					
1002041-03	B	Feb-04-10 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*					
1002041-04	B	Feb-04-10 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:

TriMatrix Laboratories, Inc.

PREPARATION BATCH **1001065** Page 1 of 1

Printed: 2/16/2010 9:44:43AM

Metals, Water, 3020A Digestion

00371

Batch comments:

MAS 02/09/10 7:00AM-4:00PM
INST#217@93.9C#223
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1001065-BLK1		Feb-09-10 07:00	MAS	25	125				
1001065-BLK2		Feb-09-10 07:00	MAS	25	125				
1001065-BS1		Feb-09-10 07:00	MAS	25	125		0020362	25	
1001065-BS2		Feb-09-10 07:00	MAS	25	125		0020362	25	
1001065-MS1		Feb-09-10 07:00	MAS	25	125	1002085-01	0020362	25	
1001065-MS2		Feb-09-10 07:00	MAS	25	125	1002085-01	0020362	25	
1001065-MSD1		Feb-09-10 07:00	MAS	25	125	1002085-01	0020362	25	
1001065-MSD2		Feb-09-10 07:00	MAS	25	125	1002085-01	0020362	25	
1001065-PS1		Feb-12-10 17:30	DWJ	2	10	1002085-01	9120102	50	[Spk] 25mL->125mL; 10mL->10mL; Spike
1001065-PS2		Feb-12-10 17:30	DWJ	2	10	1002085-01	9120102	50	[Spk] 25mL->125mL; 10mL->10mL; Spike
1002085-01	B	Feb-09-10 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*					
1002085-02	B	Feb-09-10 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:

2-16-10
Cal: OB12017

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence

Instrument #: 114 | Data File: OB12045

Date: 2-12-10 | Calibration BLK/ICB/CCB: 1% HNO3 LOT#1109060

Analyst: DWS | Internal Standard #: 0020464

All samples are run at a 5x dilution which is accounted for on the prep benchsheet

Autosampler Position:

1. BLK/ICB/CCB/9120094
2. ICV/SCV/CCV 40ug/L 0010901
3. STD2 0.2 ug/L 9120100
4. STD3 1.0 ug/L 9120099
5. STD4 10 ug/L 9120098
6. STD5 20 ug/L 9120097
7. STD6 50 ug/L 9120096
8. STD7 100 ug/L 9120095
9. STD1 0.04 ug/L 9120101
10. IFA1 0010903
11. IFB1 0010904

Analysis # / Position #	ID	Dilution			Analysis # / Position #	ID	Dilution		
		Initial Volume (mL)	Final Volume (mL)	Dilution Factor			Initial Volume (mL)	Final Volume (mL)	Dilution Factor
1/17	1000975-BIK1				35/51				
2/18	1000975-BS1				36/52				
3/19	1002041-01				37/53				
4/20	1000975-MS1				38/54				
5/21	1000975-MSD1				39/55				
6/22	SRD1				40/56				
7/23	1000975-PS1				41/57				
8/24	1002041-02				42/58				
9/25	1002041-03				43/59				
10/26	1002041-04				44/60				
11/27	1001065-BIK1				45/61				
12/28	1001065-BS1				46/62				
13/29	1002085-01				47/63				
14/30	1001065-MS1				48/64				
15/31	1001065-MSD1				49/65				
16/32	SRD2				50/66				
17/33	1001065-PS1				51/67				
18/34	1002095-02				52/68				
19/35					53/69				
20/36					54/70				
21/37					55/71				
22/38					56/72				
23/39					57/73				
24/40					58/74				
25/41					59/75				
26/42					60/76				
27/43					61/77				
28/44					62/78				
29/45					63/79				
30/46					64/80				
31/47					65/81				
32/48					66/82				
33/49					67/83				
34/50					68/84				

Instrument Tuning Report

File Name: 12FEB2010_6020A_C.tun
File Path: C:\Elandata\Tuning

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
Li	7.016	6.977	1514	2025	0.842	
Co	58.933	58.977	14209	2005	0.863	
In	114.904	114.927	27858	2000	0.854	
Ba	137.905	137.879	33457	1990	0.890	
Ce	139.905	139.928	33946	1985	0.883	
Tl	204.975	204.975	49811	1980	0.857	

Daily Performance Report

Sample ID: 0010896
Sample Date/Time: Friday, February 12, 2010 17:27:59
Sample Description:
Method File: C:\elandata\Method\6020A_Daily.mth
Dataset File: C:\elandata\Dataset\daily performance\0010896.2551
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_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	9477.1	9477.117	130.565	1.4
	Co	58.9	97732.2	97732.225	2379.277	2.4
	In	114.9	262416.3	262416.300	4230.914	1.6
	Tl	205.0	187942.8	187942.801	2436.652	1.3
⌈>	Ba	137.9	213053.3	213053.308	2521.748	1.2
⌊	Ba++	69.0	2992.6	0.014	0.000	2.1
⌈>	Ce	139.9	273895.0	273895.042	3566.652	1.3
⌊	CeO	155.9	7678.6	0.028	0.001	4.2
	Bkgd	220.0	5.8	5.833	2.483	42.6

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	9628.485	9628.485
Co	59	98196.369	98196.369
In	115	258799.311	258799.311
Tl	205	188092.328	188092.328
Ba	138	214979.211	214979.211
Ba++	69	3058.655	0.014
Ce	140	275544.149	275544.149
CeO	156	7211.639	0.026
Bkgd	220	10.000	10.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	9612.464	9612.464
Co	59	97252.588	97252.588
In	115	261298.751	261298.751
Tl	205	190231.883	190231.883
Ba	138	215066.357	215066.357
Ba++	69	2923.598	0.014
Ce	140	273157.038	273157.038
CeO	156	8006.485	0.029
Bkgd	220	4.000	4.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	9461.262	9461.262
Co	59	96769.088	96769.088
In	115	264580.848	264580.848
Tl	205	185590.138	185590.138
Ba	138	211438.580	211438.580
Ba++	69	2988.625	0.014
Ce	140	274053.411	274053.411
CeO	156	7591.032	0.028
Bkgd	220	7.000	7.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	9410.195	9410.195
Co	59	97576.967	97576.967
In	115	261072.228	261072.228

Tl	205	185048.350	185048.350
Ba	138	213957.400	213957.400
Ba++	69	2979.621	0.014
Ce	140	269627.666	269627.666
CeO	156	7403.835	0.027
Bkgd	220	6.000	6.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	9279.023	9279.023
Co	59	94675.308	94675.308
In	115	258849.750	258849.750
Tl	205	191159.151	191159.151
Ba	138	208664.366	208664.366
Ba++	69	3016.637	0.014
Ce	140	271193.296	271193.296
CeO	156	7674.120	0.028
Bkgd	220	5.000	5.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	9471.275	9471.275
Co	59	101923.030	101923.030
In	115	269896.911	269896.911
Tl	205	187534.956	187534.956
Ba	138	214213.937	214213.937
Ba++	69	2988.625	0.014
Ce	140	279794.688	279794.688
CeO	156	8184.687	0.029
Bkgd	220	3.000	3.000

Sample/Batch Report

User Name: Administrator
Computer Name: ELAN6000_22
Sample File: C:\Elandata\Sample\0B12045.sam
Report Date/Time: Friday, February 12, 2010 17:42:52

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
17		1000975-BLK1		Sample					
18		1000975-BS1		Sample					
19		1002041-01		Sample					
20		1000975-MS1		Sample					
21		1000975-MSD1		Sample					
22		0B12045-SRD1		Sample					
23		1000975-PS1		Sample					
24		1002041-02		Sample					
25		1002041-03		Sample					
26		1002041-04		Sample					
27		1001065-BLK1		Sample					
28		1001065-BS1		Sample					
29		1002085-01		Sample					
30		1001065-MS1		Sample					
31		1001065-MSD1		Sample					
32		0B12045-SRD2		Sample					
33		1001065-PS1		Sample					
34		1002085-02		Sample					

Sample Information

Sample ID: 0B12045-CAL1
Autosampler Position: 1
Sample Date/Time: Friday, February 12, 2010 17:44:11
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\0B12045-CAL1.001
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	505458.255					ug/L
	Be	9	0.333					ug/L
	V	51	2616.667					ug/L
	Cr	52	7768.970					ug/L
	Cr	53	183.671					ug/L
	Co	59	82.001					ug/L
	Cu	63	848.726					ug/L
	Cu	65	413.683					ug/L
	Zn	66	233.339					ug/L
	Zn	68	377.680					ug/L
>	Ge	72	274026.936					ug/L
	As	75	229.068					ug/L
	Se	77	113.002					ug/L
	Se	82	29.112					ug/L
>	Rh	103	347107.466					ug/L
	Ag	107	10.667					ug/L
	Cd	111	2.092					ug/L
	Cd	114	6.559					ug/L
>	In	115	254210.290					ug/L
	Sb	121	123.669					ug/L
	Sb	123	93.081					ug/L
	Tl	203	53.001					ug/L
	Tl	205	128.336					ug/L
	Pb	208	773.024					ug/L
>	Bi	209	326823.556					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	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	494532.340			ug/L
	Be	9	0.000			ug/L
	V	51	2680.740			ug/L
	Cr	52	8008.587			ug/L
	Cr	53	162.003			ug/L
	Co	59	72.001			ug/L
	Cu	63	893.086			ug/L
	Cu	65	408.016			ug/L
	Zn	66	220.006			ug/L
	Zn	68	353.012			ug/L
>	Ge	72	277632.447			ug/L
	As	75	267.666			ug/L
	Se	77	124.002			ug/L
	Se	82	44.537			ug/L
>	Rh	103	341697.414			ug/L
	Ag	107	15.000			ug/L
	Cd	111	0.575			ug/L
	Cd	114	12.535			ug/L
>	In	115	257484.628			ug/L
	Sb	121	118.002			ug/L
	Sb	123	82.624			ug/L
	Tl	203	44.001			ug/L
	Tl	205	121.002			ug/L
	Pb	208	794.025			ug/L
>	Bi	209	328229.239			ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	506206.393			ug/L
	Be	9	1.000			ug/L
	V	51	2664.856			ug/L
	Cr	52	7708.333			ug/L
	Cr	53	194.006			ug/L
	Co	59	94.002			ug/L
	Cu	63	842.058			ug/L
	Cu	65	431.017			ug/L
	Zn	66	248.007			ug/L
	Zn	68	417.016			ug/L
>	Ge	72	273381.437			ug/L
	As	75	158.831			ug/L
	Se	77	118.002			ug/L
	Se	82	2.846			ug/L
>	Rh	103	349816.881			ug/L
	Ag	107	7.000			ug/L
	Cd	111	4.983			ug/L
	Cd	114	4.447			ug/L
>	In	115	257099.617			ug/L
	Sb	121	128.002			ug/L
	Sb	123	108.372			ug/L
	Tl	203	61.001			ug/L
	Tl	205	131.003			ug/L
	Pb	208	758.023			ug/L
>	Bi	209	323788.237			ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	515633.032			ug/L
	Be	9	0.000			ug/L
	V	51	2484.406			ug/L
	Cr	52	7500.010			ug/L
	Cr	53	195.006			ug/L
	Co	59	80.001			ug/L
	Cu	63	811.054			ug/L
	Cu	65	401.015			ug/L
	Zn	66	234.006			ug/L
	Zn	68	363.013			ug/L
>	Ge	72	271056.823			ug/L
	As	75	260.477			ug/L
	Se	77	97.002			ug/L
	Se	82	45.443			ug/L
>	Rh	103	349808.284			ug/L
	Ag	107	10.000			ug/L
	Cd	111	0.719			ug/L
	Cd	114	11.490			ug/L

Sample ID: 0B12045-CAL1
Report Date/Time: Friday, February 12, 2010 17:46:03

[>	In	115	248046.828	ug/L
[	Sb	121	124.002	ug/L
[	Sb	123	90.246	ug/L
[	Tl	203	54.001	ug/L
[	Tl	205	133.003	ug/L
[	Pb	208	788.024	ug/L
[>	Bi	209	329453.191	ug/L

Sample Information

Sample ID: 0B12045-CAL2
Autosampler Position: 9
Sample Date/Time: Friday, February 12, 2010 17:47:45
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\0B12045-CAL2.002
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	498614.948	498614.948				ug/L
	Be	9	14.000	0.000				ug/L
	V	51	2944.607	0.001				ug/L
	Cr	52	8122.698	0.001				ug/L
	Cr	53	235.340	0.000				ug/L
	Co	59	453.686	0.001				ug/L
	Cu	63	1021.750	0.001				ug/L
	Cu	65	460.686	0.000				ug/L
	Zn	66	229.673	-0.000				ug/L
	Zn	68	339.678	-0.000				ug/L
>	Ge	72	273199.110	273199.110				ug/L
	As	75	241.967	0.000				ug/L
	Se	77	120.669	0.000				ug/L
	Se	82	23.997	-0.000				ug/L
>	Rh	103	344809.396	344809.396				ug/L
	Ag	107	347.679	0.001	0.040000	0.006	13.902	ug/L
	Cd	111	89.275	0.000	0.040000	0.003	7.140	ug/L
	Cd	114	215.181	0.001	0.040000	0.003	7.472	ug/L
>	In	115	251515.248	251515.248				ug/L
	Sb	121	356.679	0.001				ug/L
	Sb	123	265.837	0.001				ug/L
	Tl	203	377.347	0.001	0.040000	0.001	3.136	ug/L
	Tl	205	887.731	0.002	0.040000	0.001	1.393	ug/L
	Pb	208	1756.768	0.003				ug/L
>	Bi	209	334721.422	334721.422				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	508434.546	508434.546		ug/L
	Be	9	14.000	0.000		ug/L
	V	51	2974.748	0.001		ug/L
	Cr	52	8243.837	0.002		ug/L
	Cr	53	208.008	0.000		ug/L
	Co	59	426.017	0.001		ug/L
	Cu	63	1040.088	0.001		ug/L
	Cu	65	475.021	0.000		ug/L
	Zn	66	235.008	0.000		ug/L
	Zn	68	341.012	-0.000		ug/L
>	Ge	72	270315.802	270315.802		ug/L
	As	75	286.439	0.000		ug/L
	Se	77	129.002	0.000		ug/L
	Se	82	-16.081	-0.000		ug/L
>	Rh	103	348473.750	348473.750		ug/L
	Ag	107	309.010	0.001	0.035307	ug/L
	Cd	111	91.883	0.000	0.041142	ug/L
	Cd	114	202.981	0.001	0.037589	ug/L
>	In	115	252323.819	252323.819		ug/L
	Sb	121	350.012	0.001		ug/L
	Sb	123	253.630	0.001		ug/L
	Tl	203	378.014	0.001	0.040418	ug/L
	Tl	205	890.084	0.002	0.040468	ug/L
	Pb	208	1776.104	0.003		ug/L
>	Bi	209	332271.903	332271.903		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	506662.203	506662.203		ug/L
	Be	9	18.000	0.000		ug/L
	V	51	2663.702	0.001		ug/L
	Cr	52	7941.492	0.001		ug/L
	Cr	53	285.008	0.000		ug/L
	Co	59	443.016	0.001		ug/L
	Cu	63	982.077	0.001		ug/L
	Cu	65	457.019	0.000		ug/L
	Zn	66	208.006	-0.000		ug/L
	Zn	68	364.013	-0.000		ug/L
>	Ge	72	272411.016	272411.016		ug/L
	As	75	210.893	-0.000		ug/L
	Se	77	110.002	0.000		ug/L
	Se	82	46.576	0.000		ug/L
>	Rh	103	349142.889	349142.889		ug/L
	Ag	107	340.011	0.001	0.038862	ug/L
	Cd	111	94.982	0.000	0.042108	ug/L
	Cd	114	235.488	0.001	0.043347	ug/L
>	In	115	251025.059	251025.059		ug/L
	Sb	121	358.013	0.001		ug/L
	Sb	123	272.253	0.001		ug/L
	Tl	203	383.014	0.001	0.040982	ug/L
	Tl	205	885.084	0.002	0.040181	ug/L
	Pb	208	1748.100	0.003		ug/L
>	Bi	209	332818.350	332818.350		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	483866.098	483866.098		ug/L
	Be	9	12.000	0.000		ug/L
	V	51	2996.370	0.001		ug/L
	Cr	52	8182.788	0.001		ug/L
	Cr	53	233.008	0.000		ug/L
	Co	59	492.022	0.001		ug/L
	Cu	63	1043.087	0.001		ug/L
	Cu	65	450.019	0.000		ug/L
	Zn	66	248.007	0.000		ug/L
	Zn	68	314.010	-0.000		ug/L
>	Ge	72	276870.712	276870.712		ug/L
	As	75	249.788	0.000		ug/L
	Se	77	123.002	0.000		ug/L
	Se	82	41.474	0.000		ug/L
>	Rh	103	339811.549	339811.549		ug/L
	Ag	107	394.015	0.001	0.046141	ug/L
	Cd	111	80.948	0.000	0.036750	ug/L
	Cd	114	207.113	0.001	0.039084	ug/L

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I>	In	115	251198.788	251198.788		ug/L
I	Sb	121	352.012	0.001		ug/L
I	Sb	123	281.630	0.001		ug/L
I	Tl	203	371.013	0.001	0.038680	ug/L
I	Tl	205	888.084	0.002	0.038383	ug/L
I	Pb	208	1748.101	0.003		ug/L
I>	Bi	209	338277.012	338277.012		ug/L

Sample ID: 0B12045-CAL2
Report Date/Time: Friday, February 12, 2010 17:49:39

Sample Information

Sample ID: 0B12045-CAL3
Autosampler Position: 3
Sample Date/Time: Friday, February 12, 2010 17:51:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\0B12045-CAL3.003
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	505305.992	505305.992				ug/L
	Be	9	52.001	0.000	0.200000	0.018	8.836	ug/L
	V	51	4441.306	0.007	0.200000	0.015	7.285	ug/L
	Cr	52	9425.978	0.006	0.200000	0.034	17.146	ug/L
	Cr	53	372.680	0.001	0.200000	0.023	11.294	ug/L
	Co	59	1898.605	0.007	0.200000	0.006	2.862	ug/L
	Cu	63	1802.579	0.004	0.200000	0.021	10.553	ug/L
	Cu	65	850.392	0.002	0.200000	0.011	5.587	ug/L
	Zn	66	379.681	0.001	0.200000	0.026	13.156	ug/L
	Zn	68	428.017	0.000	0.200000	0.040	20.165	ug/L
>	Ge	72	272035.148	272035.148				ug/L
	As	75	539.356	0.001	0.200000	0.028	14.170	ug/L
	Se	77	125.669	0.000	0.200000	0.203	101.646	ug/L
	Se	82	42.885	0.000	0.200000	0.322	161.038	ug/L
>	Rh	103	344998.687	344998.687				ug/L
	Ag	107	1779.573	0.005	0.200354	0.014	7.012	ug/L
	Cd	111	405.729	0.001	0.199387	0.010	5.059	ug/L
	Cd	114	992.146	0.003	0.199550	0.004	1.862	ug/L
>	In	115	248638.869	248638.869				ug/L
	Sb	121	1417.822	0.005	0.200000	0.004	1.759	ug/L
	Sb	123	1119.887	0.004	0.200000	0.014	6.776	ug/L
	Tl	203	1565.854	0.005	0.199529	0.006	2.769	ug/L
	Tl	205	3948.464	0.011	0.200124	0.000	0.208	ug/L
	Pb	208	5800.326	0.015	0.200000	0.006	3.062	ug/L
>	Bi	209	332474.319	332474.319				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	502908.880	502908.880		ug/L
Be	9	57.001	0.000	0.220358	ug/L
V	51	4372.257	0.007	0.192167	ug/L
Cr	52	9817.567	0.007	0.231844	ug/L
Cr	53	351.012	0.001	0.177103	ug/L
Co	59	1883.287	0.007	0.198163	ug/L
Cu	63	1702.220	0.003	0.178871	ug/L
Cu	65	858.080	0.002	0.203202	ug/L
Zn	66	380.013	0.000	0.173246	ug/L
Zn	68	433.017	0.000	0.218283	ug/L
Ge	72	272178.384	272178.384		ug/L
As	75	588.868	0.001	0.230444	ug/L
Se	77	134.003	0.000	0.320513	ug/L
Se	82	41.058	0.000	0.175616	ug/L
Rh	103	346898.480	346898.480		ug/L
Ag	107	1880.214	0.005	0.188181	ug/L
Cd	111	400.478	0.001	0.195825	ug/L
Cd	114	1002.978	0.003	0.200756	ug/L
In	115	251484.562	251484.562		ug/L
Sb	121	1438.159	0.006	0.200611	ug/L
Sb	123	1053.711	0.004	0.164722	ug/L
Tl	203	1556.185	0.005	0.199803	ug/L
Tl	205	3925.117	0.011	0.200173	ug/L
Pb	208	5686.044	0.015	0.204840	ug/L
Bi	209	330427.199	330427.199		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	508388.293	508388.293		ug/L
Be	9	50.001	0.000	0.191041	ug/L
V	51	4545.547	0.007	0.216811	ug/L
Cr	52	9474.374	0.007	0.218001	ug/L
Cr	53	368.013	0.001	0.200630	ug/L
Co	59	1935.281	0.007	0.206417	ug/L
Cu	63	1791.240	0.004	0.199847	ug/L
Cu	65	881.081	0.002	0.209224	ug/L
Zn	66	378.014	0.001	0.200807	ug/L
Zn	68	411.016	0.000	0.153766	ug/L
Ge	72	259976.431	259976.431		ug/L
As	75	493.672	0.001	0.174383	ug/L
Se	77	132.003	0.000	0.314188	ug/L
Se	82	21.113	-0.000	0.109181	ug/L
Rh	103	343875.307	343875.307		ug/L
Ag	107	1746.231	0.005	0.197189	ug/L
Cd	111	388.630	0.001	0.191584	ug/L
Cd	114	968.370	0.003	0.195381	ug/L
In	115	245121.661	245121.661		ug/L
Sb	121	1418.156	0.006	0.203173	ug/L
Sb	123	1158.224	0.004	0.210574	ug/L
Tl	203	1603.186	0.005	0.205087	ug/L
Tl	205	3944.128	0.012	0.200813	ug/L
Pb	208	5834.986	0.015	0.203046	ug/L
Bi	209	331482.456	331482.456		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	504822.802	504822.802		ug/L
Be	9	49.001	0.000	0.188801	ug/L
V	51	4406.113	0.006	0.181022	ug/L
Cr	52	9185.986	0.006	0.180456	ug/L
Cr	53	398.016	0.001	0.222267	ug/L
Co	59	1877.266	0.007	0.196421	ug/L
Cu	63	1924.278	0.004	0.221183	ug/L
Cu	65	832.057	0.002	0.187574	ug/L
Zn	66	403.016	0.001	0.225847	ug/L
Zn	68	440.018	0.000	0.227981	ug/L
Ge	72	274950.620	274950.620		ug/L
As	75	537.398	0.001	0.195173	ug/L
Se	77	111.002	0.000	-0.034712	ug/L
Se	82	66.483	0.000	0.533578	ug/L
Rh	103	344434.303	344434.303		ug/L
Ag	107	1912.275	0.006	0.215712	ug/L
Cd	111	428.082	0.001	0.210771	ug/L
Cd	114	1006.086	0.003	0.202508	ug/L

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I>	In	115	248310.388	248310.388		ug/L
I	Sb	121	1397.151	0.005	0.196216	ug/L
I	Sb	123	1147.728	0.004	0.204704	ug/L
I	Tl	203	1535.181	0.004	0.194017	ug/L
I	Tl	205	3976.148	0.011	0.199886	ug/L
I	Pb	208	5879.880	0.015	0.193114	ug/L
I>	Bi	209	335613.302	335613.302		ug/L

Sample ID: 0B12045-CAL3
Report Date/Time: Friday, February 12, 2010 17:53:14

Sample Information

Sample ID: 0B12045-CAL4
Autosampler Position: 4
Sample Date/Time: Friday, February 12, 2010 17:54:56
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\0B12045-CAL4.004
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	508794.619	508794.619				ug/L
⌊	Be	9	260.007	0.001	0.999933	0.046	4.623	ug/L
⌈	V	51	11875.794	0.034	1.000547	0.023	2.276	ug/L
|	Cr	52	15578.796	0.029	0.997074	0.045	4.498	ug/L
|	Cr	53	1096.762	0.003	0.998752	0.013	1.261	ug/L
|	Co	59	9429.317	0.035	1.001311	0.019	1.905	ug/L
|	Cu	63	5860.129	0.019	1.001962	0.029	2.852	ug/L
|	Cu	65	2661.189	0.008	1.001163	0.031	3.058	ug/L
|	Zn	66	1415.821	0.004	1.014834	0.021	2.117	ug/L
|	Zn	68	1225.451	0.003	1.027312	0.020	1.967	ug/L
|>	Ge	72	270292.613	270292.613				ug/L
|	As	75	1819.148	0.006	1.001063	0.028	2.788	ug/L
|	Se	77	198.338	0.000	1.008660	0.163	16.200	ug/L
⌊	Se	82	170.226	0.001	1.020183	0.152	14.857	ug/L
⌈>	Rh	103	343281.996	343281.996				ug/L
|	Ag	107	9045.820	0.026	1.001111	0.046	4.571	ug/L
|	Cd	111	2057.041	0.006	1.000793	0.024	2.378	ug/L
⌊	Cd	114	5098.160	0.015	1.001397	0.023	2.271	ug/L
⌈>	In	115	248284.071	248284.071				ug/L
|	Sb	121	7146.980	0.028	1.003020	0.019	1.877	ug/L
⌊	Sb	123	5458.802	0.022	1.001641	0.020	2.038	ug/L
⌈	Tl	203	7758.290	0.023	1.000826	0.005	0.521	ug/L
|	Tl	205	20142.898	0.060	1.002053	0.032	3.177	ug/L
|	Pb	208	26904.791	0.079	1.001720	0.027	2.659	ug/L
⌊>	Bi	209	331026.132	331026.132				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	Mass. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	517697.665	517697.665		ug/L
	Be	9	257.007	0.000	0.971161	ug/L
	V	51	11720.796	0.034	0.980734	ug/L
	Cr	52	15791.588	0.030	1.018804	ug/L
	Cr	53	1108.087	0.003	1.005002	ug/L
	Co	59	9357.219	0.034	0.991243	ug/L
	Cu	63	5722.348	0.018	0.971637	ug/L
	Cu	65	2608.502	0.008	0.974829	ug/L
	Zn	66	1401.151	0.004	0.998287	ug/L
	Zn	68	1247.121	0.003	1.049783	ug/L
>	Ge	72	270846.624	270846.624		ug/L
	As	75	1874.231	0.006	1.032886	ug/L
	Se	77	198.005	0.000	1.000036	ug/L
	Se	82	158.050	0.001	1.002381	ug/L
>	Rh	103	343808.982	343808.982		ug/L
	Ag	107	8737.428	0.025	0.965771	ug/L
	Cd	111	2014.467	0.008	0.979023	ug/L
	Cd	114	5135.309	0.015	1.007587	ug/L
>	In	115	249884.482	249884.482		ug/L
	Sb	121	7342.846	0.029	1.024349	ug/L
	Sb	123	5358.567	0.021	0.978325	ug/L
	Tl	203	7564.079	0.023	0.998704	ug/L
	Tl	205	20362.165	0.063	1.036643	ug/L
	Pb	208	26991.252	0.081	1.028883	ug/L
>	Bi	209	323421.151	323421.151		ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	505257.398	505257.398		ug/L
	Be	9	272.008	0.001	1.053281	ug/L
	V	51	12003.533	0.035	1.025414	ug/L
	Cr	52	15680.349	0.030	1.026831	ug/L
	Cr	53	1074.091	0.003	0.984268	ug/L
	Co	59	9237.081	0.034	0.989377	ug/L
	Cu	63	5841.529	0.019	1.028383	ug/L
	Cu	65	2713.542	0.009	1.034758	ug/L
	Zn	66	1432.158	0.004	1.038384	ug/L
	Zn	68	1210.116	0.003	1.021483	ug/L
>	Ge	72	267998.508	267998.508		ug/L
	As	75	1771.386	0.006	0.980773	ug/L
	Se	77	183.004	0.000	0.849741	ug/L
	Se	82	148.187	0.000	0.878323	ug/L
>	Rh	103	348725.288	348725.288		ug/L
	Ag	107	8888.743	0.026	0.984756	ug/L
	Cd	111	2070.371	0.008	0.987180	ug/L
	Cd	114	5020.671	0.014	0.976203	ug/L
>	In	115	246354.514	246354.514		ug/L
	Sb	121	6991.480	0.028	0.988718	ug/L
	Sb	123	5462.788	0.022	1.010288	ug/L
	Tl	203	7838.377	0.023	1.008788	ug/L
	Tl	205	20115.486	0.060	0.995820	ug/L
	Pb	208	26988.386	0.079	1.000401	ug/L
>	Bi	209	332483.414	332483.414		ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	503428.798	503428.798		ug/L
	Be	9	251.007	0.000	0.975378	ug/L
	V	51	11903.053	0.034	0.995602	ug/L
	Cr	52	15284.446	0.028	0.945485	ug/L
	Cr	53	1111.098	0.003	1.006988	ug/L
	Co	59	9683.670	0.035	1.023312	ug/L
	Cu	63	5916.508	0.019	1.005867	ug/L
	Cu	65	2651.522	0.008	0.993808	ug/L
	Zn	66	1414.154	0.004	1.005881	ug/L
	Zn	68	1219.116	0.003	1.010881	ug/L
>	Ge	72	271986.508	271986.508		ug/L
	As	75	1811.828	0.006	0.988620	ug/L
	Se	77	214.005	0.000	1.176208	ug/L
	Se	82	193.451	0.001	1.178878	ug/L
>	Rh	103	339610.738	339610.738		ug/L
	Ag	107	9410.289	0.028	1.052808	ug/L
	Cd	111	2086.264	0.008	1.026198	ug/L
	Cd	114	5138.498	0.015	1.020402	ug/L

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[>	In	115	248813.217	248813.217		ug/L
[	Sb	121	7108.806	0.028	0.995083	ug/L
[	Sb	123	5548.078	0.022	1.016303	ug/L
[	Tl	203	7872.416	0.023	0.997007	ug/L
[	Tl	205	19961.023	0.058	0.973786	ug/L
[	Pb	208	26724.726	0.077	0.976767	ug/L
[>	Bi	209	337173.832	337173.832		ug/L

Sample Information

Sample ID: 0B12045-CAL5
Autosampler Position: 5
Sample Date/Time: Friday, February 12, 2010 17:58:33
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\0B12045-CAL5.005
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	469742.397	469742.397				ug/L
⌊	Be	9	2872.606	0.006	10.017022	0.036	0.357	ug/L
⌈	V	51	91465.967	0.316	9.991122	0.064	0.639	ug/L
|	Cr	52	85816.744	0.278	9.993973	0.271	2.707	ug/L
|	Cr	53	9423.312	0.033	9.996844	0.296	2.961	ug/L
|	Co	59	99810.907	0.355	10.002901	0.083	0.833	ug/L
|	Cu	63	46950.945	0.164	9.986712	0.240	2.404	ug/L
|	Cu	65	23443.645	0.082	9.998468	0.241	2.408	ug/L
|	Zn	66	12880.735	0.045	10.004157	0.016	0.155	ug/L
|	Zn	68	9511.426	0.033	10.005717	0.306	3.059	ug/L
|>	Ge	72	280627.237	280627.237				ug/L
|	As	75	15060.662	0.053	9.988281	0.337	3.378	ug/L
|	Se	77	1226.785	0.004	10.020229	0.859	8.577	ug/L
⌊	Se	82	1457.713	0.005	9.999301	1.018	10.177	ug/L
⌈>	Rh	103	320861.480	320861.480				ug/L
|	Ag	107	87322.524	0.272	10.003503	0.350	3.496	ug/L
|	Cd	111	20700.855	0.065	10.007519	0.272	2.719	ug/L
⌊	Cd	114	47277.702	0.147	9.999454	0.189	1.891	ug/L
⌈>	In	115	261787.940	261787.940				ug/L
|	Sb	121	64407.558	0.246	9.984707	0.350	3.504	ug/L
⌊	Sb	123	48018.353	0.183	9.981594	0.133	1.336	ug/L
⌈	Tl	203	79493.482	0.231	9.999297	0.126	1.263	ug/L
|	Tl	205	182636.747	0.531	9.985902	0.400	4.011	ug/L
|	Pb	208	256962.539	0.745	9.994060	0.289	2.890	ug/L
⌊>	Bi	209	343914.191	343914.191				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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L	Se	81.917
[>	Rh	102.905
|	Ag	106.905
|	Cd	110.904
L	Cd	113.904
[>	In	114.904
|	Sb	120.904
L	Sb	122.904
[	Tl	202.972
|	Tl	204.975
|	Pb	207.977
L>	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	467377.000	467377.000		ug/L
Be	9	2846.586	0.008	9.978649	ug/L
V	51	91823.594	0.316	9.970748	ug/L
Cr	52	84088.817	0.270	9.707787	ug/L
Cr	53	9793.808	0.034	10.337746	ug/L
Co	59	99833.048	0.353	9.926372	ug/L
Cu	63	47287.350	0.164	9.983248	ug/L
Cu	65	23206.866	0.081	9.834172	ug/L
Zn	66	12970.898	0.048	10.016198	ug/L
Zn	68	9258.080	0.031	9.988246	ug/L
Ge	72	282282.788	282282.788		ug/L
As	75	14954.003	0.053	9.854153	ug/L
Se	77	1125.100	0.004	9.040419	ug/L
Se	82	1351.448	0.005	9.190484	ug/L
Rh	103	317890.819	317890.819		ug/L
Ag	107	89033.333	0.280	10.269966	ug/L
Cd	111	21132.016	0.068	10.307256	ug/L
Cd	114	47210.009	0.148	10.074360	ug/L
In	115	263171.029	263171.029		ug/L
Sb	121	52681.538	0.238	9.955828	ug/L
Sb	123	48077.110	0.182	9.940893	ug/L
Tl	203	80844.740	0.234	10.144313	ug/L
Tl	205	181562.120	0.526	9.897672	ug/L
Pb	208	753866.763	0.734	9.848603	ug/L
Bi	209	344784.886	344784.886		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	470407.588	470407.588		ug/L
Be	9	2884.611	0.008	10.044780	ug/L
V	51	92288.809	0.315	9.939931	ug/L
Cr	52	87302.144	0.278	10.028681	ug/L
Cr	53	9414.294	0.032	9.946260	ug/L
Co	59	101088.269	0.356	9.980869	ug/L
Cu	63	48479.186	0.169	9.743440	ug/L
Cu	65	23814.879	0.081	9.866421	ug/L
Zn	66	13087.072	0.046	10.009876	ug/L
Zn	68	9717.703	0.033	10.063452	ug/L
Ge	72	284537.423	284537.423		ug/L
As	75	14900.461	0.052	9.738542	ug/L
Se	77	1284.128	0.004	10.373886	ug/L
Se	82	1431.189	0.005	9.666529	ug/L
Rh	103	317391.458	317391.458		ug/L
Ag	107	87315.303	0.275	10.108178	ug/L
Cd	111	20341.459	0.064	9.939102	ug/L
Cd	114	47431.783	0.149	10.139564	ug/L
In	115	261727.379	261727.379		ug/L
Sb	121	54043.469	0.244	9.929272	ug/L
Sb	123	47488.066	0.181	9.873329	ug/L
Tl	203	80005.360	0.229	9.913080	ug/L
Tl	205	179014.233	0.512	9.636984	ug/L
Pb	208	756120.580	0.731	9.808741	ug/L
Bi	209	349137.641	349137.641		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	471442.804	471442.804		ug/L
Be	9	2886.613	0.008	10.029656	ug/L
V	51	90288.499	0.310	10.082989	ug/L
Cr	52	86056.172	0.284	10.245652	ug/L
Cr	53	9081.836	0.032	9.804526	ug/L
Co	59	98713.403	0.356	10.091833	ug/L
Cu	63	47108.289	0.168	10.223446	ug/L
Cu	65	23810.192	0.084	10.274812	ug/L
Zn	66	12604.237	0.048	9.986800	ug/L
Zn	68	9567.486	0.033	10.265463	ug/L
Ge	72	275081.519	275081.519		ug/L
As	75	15327.520	0.056	10.372137	ug/L
Se	77	1271.126	0.004	10.046574	ug/L
Se	82	1590.504	0.006	11.141880	ug/L
Rh	103	327242.466	327242.466		ug/L
Ag	107	85618.936	0.282	9.913386	ug/L
Cd	111	20829.086	0.063	9.776186	ug/L
Cd	114	47191.318	0.144	9.784430	ug/L

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	In	115	260486.413	260486.413		ug/L
	Sb	121	66487.671	0.256	10.356019	ug/L
	Sb	123	48488.883	0.186	10.130562	ug/L
	Tl	203	77630.346	0.230	6.940466	ug/L
	Tl	205	157343.888	0.584	10.423160	ug/L
	Pb	208	260881.286	0.770	10.326836	ug/L
	Bi	209	337840.248	337840.248		ug/L

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Sample Information

Sample ID: 0B12045-CAL6
Autosampler Position: 6
Sample Date/Time: Friday, February 12, 2010 18:02:08
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\0B12045-CAL6.006
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	497183.688	497183.688				ug/L
⌊	Be	9	5465.481	0.011	19.566157	1.131	5.780	ug/L
⌈	V	51	188948.864	0.702	20.402908	0.143	0.701	ug/L
|	Cr	52	158367.743	0.568	20.091185	0.527	2.624	ug/L
|	Cr	53	18693.951	0.070	20.229774	0.459	2.271	ug/L
|	Co	59	184606.771	0.695	19.910169	0.087	0.436	ug/L
|	Cu	63	97533.378	0.364	20.398480	0.275	1.350	ug/L
|	Cu	65	43879.491	0.164	19.991396	0.267	1.337	ug/L
|	Zn	66	26364.165	0.098	20.350353	0.252	1.240	ug/L
|	Zn	68	18845.030	0.070	20.269628	0.397	1.959	ug/L
|>	Ge	72	265486.851	265486.851				ug/L
|	As	75	31796.445	0.119	20.454835	0.370	1.809	ug/L
|	Se	77	2264.716	0.008	20.108380	1.643	8.172	ug/L
⌊	Se	82	3071.923	0.011	20.460425	0.780	3.812	ug/L
⌈>	Rh	103	328483.464	328483.464				ug/L
|	Ag	107	184841.332	0.564	20.141886	1.373	6.815	ug/L
|	Cd	111	42075.861	0.128	19.981094	1.217	6.088	ug/L
⌊	Cd	114	97623.638	0.298	20.037617	0.656	3.275	ug/L
⌈>	In	115	240078.013	240078.013				ug/L
|	Sb	121	123583.060	0.515	20.178803	0.891	4.416	ug/L
⌊	Sb	123	98179.965	0.409	20.423393	1.291	6.322	ug/L
⌈	Tl	203	154848.483	0.462	19.995976	0.555	2.776	ug/L
|	Tl	205	390793.957	1.166	20.361886	1.426	7.006	ug/L
|	Pb	208	509997.622	1.519	20.075127	1.008	5.023	ug/L
⌊>	Bi	209	335639.922	335639.922				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	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	506498.673	506498.673		ug/L
Be	9	5190.937	0.010	18.285289	ug/L
V	51	190830.288	0.705	20.580551	ug/L
Cr	52	163307.368	0.586	20.088184	ug/L
Cr	53	16880.530	0.089	20.140735	ug/L
Co	59	184197.568	0.682	19.819784	ug/L
Cu	63	97883.614	0.364	20.386846	ug/L
Cu	65	44536.660	0.166	20.244381	ug/L
Zn	66	28168.089	0.087	20.146879	ug/L
Zn	68	18288.146	0.071	20.685504	ug/L
Ge	72	286108.980	286108.980		ug/L
As	75	32221.668	0.121	20.743879	ug/L
Se	77	2110.333	0.008	18.810854	ug/L
Se	82	2988.248	0.011	19.718213	ug/L
Rh	103	342282.534	342282.534		ug/L
Ag	107	180143.088	0.526	18.799866	ug/L
Cd	111	41543.303	0.121	18.864846	ug/L
Cd	114	98641.504	0.291	19.587109	ug/L
In	115	242397.978	242397.978		ug/L
Sb	121	120808.676	0.497	19.494913	ug/L
Sb	123	93423.668	0.386	19.235283	ug/L
Tl	203	153300.116	0.471	20.413183	ug/L
Tl	205	404680.709	1.244	21.718580	ug/L
Pb	208	516430.087	1.585	20.950822	ug/L
Bi	209	325253.626	325253.626		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	500838.943	500838.943		ug/L
Be	9	5681.299	0.011	20.108600	ug/L
V	51	191324.968	0.701	20.386428	ug/L
Cr	52	158618.158	0.580	19.812160	ug/L
Cr	53	18588.341	0.088	19.821479	ug/L
Co	59	186038.829	0.688	19.982982	ug/L
Cu	63	100274.944	0.368	20.675476	ug/L
Cu	65	43888.810	0.161	19.711704	ug/L
Zn	66	28646.674	0.096	20.273186	ug/L
Zn	68	19074.629	0.069	20.226757	ug/L
Ge	72	268308.806	268308.806		ug/L
As	75	31604.788	0.117	20.037881	ug/L
Se	77	2270.383	0.008	19.648677	ug/L
Se	82	3108.324	0.011	20.399810	ug/L
Rh	103	333372.456	333372.456		ug/L
Ag	107	187516.327	0.562	20.088167	ug/L
Cd	111	42301.844	0.127	19.752870	ug/L
Cd	114	97688.801	0.293	19.735126	ug/L
In	115	241975.148	241975.148		ug/L
Sb	121	122616.689	0.505	19.854631	ug/L
Sb	123	98114.486	0.406	20.237341	ug/L
Tl	203	154386.732	0.466	20.208845	ug/L
Tl	205	388371.616	1.174	20.492561	ug/L
Pb	208	509031.119	1.536	20.301881	ug/L
Bi	209	330830.230	330830.230		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	485211.446	485211.446		ug/L
Be	9	5544.206	0.011	20.325282	ug/L
V	51	184681.346	0.686	20.281748	ug/L
Cr	52	153280.708	0.556	19.782211	ug/L
Cr	53	18832.983	0.071	20.727108	ug/L
Co	59	181582.888	0.666	19.817782	ug/L
Cu	63	94631.676	0.350	20.129118	ug/L
Cu	65	43204.702	0.164	20.018082	ug/L
Zn	66	28281.524	0.100	20.632284	ug/L
Zn	68	18182.319	0.068	19.896624	ug/L
Ge	72	261041.988	261041.988		ug/L
As	75	31462.946	0.120	20.583143	ug/L
Se	77	2413.432	0.009	21.886010	ug/L
Se	82	3140.199	0.012	21.273151	ug/L
Rh	103	309815.401	309815.401		ug/L
Ag	107	186864.571	0.603	21.540636	ug/L
Cd	111	42382.637	0.137	21.295564	ug/L
Cd	114	95640.810	0.309	20.790617	ug/L

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I>	In	115	235680.916	235680.916		ug/L
I	Sb	121	127528.804	0.540	21.186566	ug/L
L	Sb	123	103001.741	0.436	21.787563	ug/L
I	Tl	203	158878.801	0.447	19.388082	ug/L
I	Tl	205	378349.648	1.061	18.874566	ug/L
I	Pb	208	504631.681	1.436	18.672788	ug/L
I>	Bi	209	350838.906	350838.906		ug/L

Sample Information

Sample ID: 0B12045-CAL7
Autosampler Position: 7
Sample Date/Time: Friday, February 12, 2010 18:05:43
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\0B12045-CAL7.007
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	464148.571	464148.571				ug/L
⌊	Be	9	14815.832	0.032	51.018060	0.843	1.652	ug/L
⌈	V	51	451830.792	1.632	49.550769	1.404	2.833	ug/L
|	Cr	52	388620.991	1.383	49.817067	0.516	1.037	ug/L
|	Cr	53	45987.549	0.166	49.700785	2.374	4.777	ug/L
|	Co	59	484142.595	1.759	50.062778	0.738	1.475	ug/L
|	Cu	63	222634.616	0.806	49.114084	0.234	0.476	ug/L
|	Cu	65	112399.054	0.407	49.942775	0.857	1.716	ug/L
|	Zn	66	63954.405	0.231	49.626738	0.919	1.853	ug/L
|	Zn	68	45781.708	0.165	49.661636	0.354	0.712	ug/L
|>	Ge	72	275260.706	275260.706				ug/L
|	As	75	75925.720	0.275	49.526654	0.479	0.968	ug/L
|	Se	77	6009.927	0.021	50.481609	3.059	6.059	ug/L
⌊	Se	82	7865.506	0.028	50.131433	3.984	7.947	ug/L
⌈>	Rh	103	312805.330	312805.330				ug/L
|	Ag	107	433749.861	1.387	49.921435	1.401	2.806	ug/L
|	Cd	111	103023.518	0.329	50.210187	1.771	3.527	ug/L
⌊	Cd	114	231431.838	0.740	49.971745	0.158	0.315	ug/L
⌈>	In	115	252584.301	252584.301				ug/L
|	Sb	121	318882.021	1.262	49.915355	2.493	4.994	ug/L
⌊	Sb	123	242098.182	0.958	49.630325	1.105	2.227	ug/L
⌈	Tl	203	400228.910	1.177	50.165349	0.565	1.125	ug/L
|	Tl	205	909967.150	2.677	49.425131	0.702	1.420	ug/L
|	Pb	208	1277530.682	3.756	49.939571	0.890	1.782	ug/L
⌊>	Bi	209	339931.916	339931.916				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 Units
>	Li	6	488426.524	488426.524		ug/L
	Be	9	14888.184	0.031	50.047387	ug/L
	V	51	458564.308	1.655	50.281924	ug/L
	Cr	52	385523.341	1.368	49.275008	ug/L
	Cr	53	47548.187	0.172	51.244777	ug/L
	Co	59	479846.772	1.737	49.460183	ug/L
	Cu	63	223571.172	0.807	49.188186	ug/L
	Cu	65	110498.186	0.399	48.868383	ug/L
	Zn	66	65319.980	0.236	50.561804	ug/L
	Zn	68	45673.377	0.164	49.297236	ug/L
>	Ge	72	276010.349	276010.349		ug/L
	As	75	75834.502	0.274	49.330126	ug/L
	Se	77	5821.287	0.020	47.021371	ug/L
	Se	82	7188.289	0.026	45.548400	ug/L
>	Rh	103	313561.714	313561.714		ug/L
	Ag	107	444083.646	1.416	50.975217	ug/L
	Cd	111	105848.389	0.337	51.348878	ug/L
	Cd	114	231321.076	0.736	49.826182	ug/L
>	In	115	253364.166	253364.166		ug/L
	Sb	121	302683.282	1.194	47.229828	ug/L
	Sb	123	236778.924	0.934	48.380219	ug/L
	Tl	203	403081.568	1.189	50.844787	ug/L
	Tl	205	911642.147	2.688	49.632057	ug/L
	Pb	208	1278980.786	3.768	50.111043	ug/L
>	Bi	209	339086.748	339086.748		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Units
>	Li	6	482278.581	482278.581		ug/L
	Be	9	14879.831	0.032	51.440714	ug/L
	V	51	456642.373	1.662	50.456583	ug/L
	Cr	52	386138.316	1.385	49.872936	ug/L
	Cr	53	46737.877	0.170	50.880823	ug/L
	Co	59	488458.989	1.788	50.886469	ug/L
	Cu	63	221822.887	0.809	49.303408	ug/L
	Cu	65	112448.278	0.410	50.340068	ug/L
	Zn	66	63483.316	0.231	48.615877	ug/L
	Zn	68	45760.508	0.166	50.003181	ug/L
>	Ge	72	273203.444	273203.444		ug/L
	As	75	76190.362	0.278	50.073068	ug/L
	Se	77	8094.660	0.022	51.587702	ug/L
	Se	82	8108.158	0.030	52.075783	ug/L
>	Rh	103	307543.283	307543.283		ug/L
	Ag	107	431116.362	1.402	50.457420	ug/L
	Cd	111	103136.046	0.336	51.110897	ug/L
	Cd	114	228308.343	0.742	50.139181	ug/L
>	In	115	251350.977	251350.977		ug/L
	Sb	121	320170.478	1.273	50.381023	ug/L
	Sb	123	242868.476	0.966	49.980156	ug/L
	Tl	203	400810.429	1.183	49.543111	ug/L
	Tl	205	908173.105	2.634	49.642929	ug/L
	Pb	208	1270582.261	3.684	48.976436	ug/L
>	Bi	209	344674.486	344674.486		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Units
>	Li	6	461742.627	461742.627		ug/L
	Be	9	14908.671	0.032	51.566098	ug/L
	V	51	439286.680	1.578	47.933799	ug/L
	Cr	52	394200.312	1.397	50.303256	ug/L
	Cr	53	43679.582	0.157	46.986754	ug/L
	Co	59	484322.014	1.751	49.841671	ug/L
	Cu	63	222509.780	0.801	48.852648	ug/L
	Cu	65	114256.688	0.412	50.528816	ug/L
	Zn	66	63079.938	0.227	48.712633	ug/L
	Zn	68	46021.238	0.166	49.684481	ug/L
>	Ge	72	276568.326	276568.326		ug/L
	As	75	75752.299	0.273	49.176767	ug/L
	Se	77	6313.662	0.022	52.525754	ug/L
	Se	82	8318.082	0.030	52.770115	ug/L
>	Rh	103	317310.996	317310.995		ug/L
	Ag	107	429089.585	1.343	48.331668	ug/L
	Cd	111	100289.109	0.318	48.170089	ug/L
	Cd	114	234668.094	0.740	49.949872	ug/L

: 00396

[illegible]	In	115	253047.758	253047.758		ug/L
[illegible]	Sb	121	333812.306	1.316	52.156413	ug/L
[illegible]	Sb	123	240849.148	0.978	50.510891	ug/L
[illegible]	Tl	203	396784.701	1.181	50.308141	ug/L
[illegible]	Tl	205	910088.200	2.708	50.000467	ug/L
[illegible]	Pb	208	1283049.008	3.616	50.731235	ug/L
[illegible]	Bi	209	338024.616	338024.616		ug/L

Sample ID: 0B12045-CAL7
Report Date/Time: Friday, February 12, 2010 18:07:36

Sample Information

Sample ID: 0B12045-CAL8
Autosampler Position: 8
Sample Date/Time: Friday, February 12, 2010 18:09:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\0B12045-CAL8.008
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	494426.401	494426.401				ug/L
⌊	Be	9	27833.420	0.056	97.507014	4.407	4.520	ug/L
⌈	V	51	866598.509	3.318	100.166392	3.143	3.138	ug/L
|	Cr	52	776376.619	2.952	101.385528	2.061	2.033	ug/L
|	Cr	53	85843.155	0.329	99.573859	0.471	0.473	ug/L
|	Co	59	909045.334	3.488	99.834344	1.759	1.762	ug/L
|	Cu	63	441663.470	1.693	100.716298	3.489	3.464	ug/L
|	Cu	65	221763.873	0.850	100.963506	1.696	1.680	ug/L
|	Zn	66	120979.846	0.464	99.858256	2.941	2.945	ug/L
|	Zn	68	92874.500	0.355	101.519235	2.618	2.579	ug/L
|>	Ge	72	260586.077	260586.077				ug/L
|	As	75	156047.161	0.598	101.688393	3.440	3.383	ug/L
|	Se	77	11883.334	0.045	101.440045	4.567	4.502	ug/L
⌊	Se	82	16776.785	0.064	102.783574	6.901	6.714	ug/L
⌈>	Rh	103	317492.119	317492.119				ug/L
|	Ag	107	837001.134	2.636	98.772972	0.440	0.445	ug/L
|	Cd	111	193771.920	0.610	98.297054	0.783	0.797	ug/L
⌊	Cd	114	475779.029	1.499	100.277783	1.745	1.740	ug/L
⌈>	In	115	241839.706	241839.706				ug/L
|	Sb	121	668101.691	2.765	102.014238	5.296	5.191	ug/L
⌊	Sb	123	484685.567	2.006	100.874028	5.594	5.546	ug/L
⌈	Tl	203	752044.879	2.363	100.158420	0.808	0.806	ug/L
|	Tl	205	1808619.590	5.684	101.100866	2.786	2.755	ug/L
|	Pb	208	2513915.415	7.898	101.111389	0.817	0.808	ug/L
⌊>	Bi	209	318216.987	318216.987				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	

L	Se	81.917
[>	Rh	102.905
|	Ag	106.905
|	Cd	110.904
L	Cd	113.904
[>	In	114.904
|	Sb	120.904
L	Sb	122.904
[	Tl	202.972
|	Tl	204.975
|	Pb	207.977
L>	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
U	6	481560.324	481560.324		ug/L
Be	9	26460.873	0.056	102.298875	ug/L
V	51	863837.833	3.224	97.334608	ug/L
Cr	52	777701.983	2.982	99.005528	ug/L
Cr	53	88307.398	0.330	99.812275	ug/L
Co	59	931778.208	3.467	98.820182	ug/L
Cu	63	438074.182	1.637	97.380008	ug/L
Cu	65	223191.670	0.834	99.081567	ug/L
Zn	66	119811.322	0.448	98.486283	ug/L
Zn	68	92622.436	0.346	99.021811	ug/L
Ge	72	267106.348	267106.348		ug/L
As	75	153980.290	0.576	97.813627	ug/L
Se	77	11578.482	0.043	98.301309	ug/L
Se	82	15947.730	0.060	95.185821	ug/L
Rh	103	317504.309	317504.309		ug/L
Ag	107	633548.727	2.625	98.381710	ug/L
Cd	111	195385.408	0.818	99.101708	ug/L
Cd	114	466312.887	1.469	98.279861	ug/L
In	115	249868.912	249868.912		ug/L
Sb	121	649886.746	2.598	96.908672	ug/L
Sb	123	469886.171	1.879	94.806331	ug/L
Tl	203	763816.631	2.379	100.823461	ug/L
Tl	205	1776238.346	5.532	98.380188	ug/L
Pb	208	2513386.171	7.826	100.183928	ug/L
Bi	209	321079.976	321079.976		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
U	6	499091.984	499091.984		ug/L
Be	9	27851.472	0.058	98.582878	ug/L
V	51	858597.921	3.209	98.616488	ug/L
Cr	52	782487.767	2.987	102.586486	ug/L
Cr	53	85016.832	0.327	99.038678	ug/L
Co	59	921108.033	3.550	101.800080	ug/L
Cu	63	438764.707	1.669	100.428183	ug/L
Cu	65	221912.631	0.854	101.438038	ug/L
Zn	66	122104.023	0.470	101.172840	ug/L
Zn	68	92310.575	0.364	101.282274	ug/L
Ge	72	259480.580	259480.580		ug/L
As	75	157269.503	0.605	102.869482	ug/L
Se	77	12256.627	0.047	105.035689	ug/L
Se	82	17002.392	0.065	104.503109	ug/L
Rh	103	317373.981	317373.981		ug/L
Ag	107	640618.622	2.648	99.236842	ug/L
Cd	111	192203.088	0.808	97.537678	ug/L
Cd	114	476308.814	1.510	101.056828	ug/L
In	115	236875.373	236875.373		ug/L
Sb	121	676366.798	2.656	105.335367	ug/L
Sb	123	485819.031	2.051	103.123398	ug/L
Tl	203	752606.536	2.369	100.392103	ug/L
Tl	205	1804235.783	5.676	100.956871	ug/L
Pb	208	2518821.507	7.923	101.425224	ug/L
Bi	209	317850.198	317850.198		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	502627.183	502627.183		ug/L
Be	9	27187.916	0.054	93.676288	ug/L
V	51	877359.973	3.430	103.548068	ug/L
Cr	52	768970.106	2.988	102.554463	ug/L
Cr	53	84205.286	0.329	99.772724	ug/L
Co	59	874248.798	3.427	98.082779	ug/L
Cu	63	448161.512	1.754	104.340708	ug/L
Cu	65	220187.429	0.862	102.372882	ug/L
Zn	66	120924.184	0.473	101.912636	ug/L
Zn	68	93390.487	0.366	104.243618	ug/L
Ge	72	256111.303	256111.303		ug/L
As	75	156891.690	0.614	104.382080	ug/L
Se	77	11815.883	0.046	102.983297	ug/L
Se	82	17380.232	0.068	108.661793	ug/L
Rh	103	317598.356	317598.356		ug/L
Ag	107	636636.652	2.630	98.720386	ug/L
Cd	111	193747.283	0.810	98.251779	ug/L
Cd	114	481718.387	1.517	101.486661	ug/L

Sample ID: 0B12045-CAL8
Report Date/Time: Friday, February 12, 2010 18:11:11

f>	In	115	238754.632	238754.632		ug/L
l	Sb	121	678272.530	2.840	104.800886	ug/L
L	Sb	123	498561.508	2.088	104.983359	ug/L
f	Tl	203	739419.468	2.342	99.258887	ug/L
l	Tl	205	1845383.632	5.848	103.855781	ug/L
l	Pb	208	2509438.566	7.948	101.725017	ug/L
L>	Bi	209	315720.789	315720.789		ug/L

Sample ID: 0B12045-CAL8
Report Date/Time: Friday, February 12, 2010 18:11:11

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	0.998652
V	50.944	Linear Thru Zero	0.03	0.00	0.999916
Cr	51.941	Linear Thru Zero	0.03	0.00	0.999672
Cr	52.941	Linear Thru Zero	0.00	0.00	0.999938
Co	58.933	Linear Thru Zero	0.03	0.00	0.999993
Cu	62.930	Linear Thru Zero	0.02	0.00	0.999708
Cu	64.928	Linear Thru Zero	0.01	0.00	0.999845
Zn	65.926	Linear Thru Zero	0.00	0.00	0.999939
Zn	67.925	Linear Thru Zero	0.00	0.00	0.999578
Ge	71.922	Linear Thru Zero	0.00	0.00	0.000000
As	74.922	Linear Thru Zero	0.01	0.00	0.999441
Se	76.920	Linear Thru Zero	0.00	0.00	0.999603
Se	81.917	Linear Thru Zero	0.00	0.00	0.998676
Rh	102.905	Linear Thru Zero	0.00	0.00	0.000000
Ag	106.905	Linear Thru Zero	0.03	0.00	0.999743
Cd	110.904	Linear Thru Zero	0.01	0.00	0.999506
Cd	113.904	Linear Thru Zero	0.01	0.00	0.999987
In	114.904	Linear Thru Zero	0.00	0.00	0.000000
Sb	120.904	Linear Thru Zero	0.03	0.00	0.999317
Sb	122.904	Linear Thru Zero	0.02	0.00	0.999807
Tl	202.972	Linear Thru Zero	0.02	0.00	0.999990
Tl	204.975	Linear Thru Zero	0.06	0.00	0.999701
Pb	207.977	Linear Thru Zero	0.08	0.00	0.999792
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

: 00401

Sample Information

Sample ID: 0B12045-SCV
Autosampler Position: 2
Sample Date/Time: Friday, February 12, 2010 18:20:13
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\0B12045-SCV.009
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	498114.719	498114.719				ug/L
⌊	Be	9	10665.064	0.021	37.061667	0.730	1.969	ug/L
⌈	V	51	352914.860	1.348	40.688856	0.186	0.457	ug/L
|	Cr	52	313911.569	1.179	40.486458	1.101	2.718	ug/L
|	Cr	53	35074.593	0.134	40.656057	0.639	1.573	ug/L
|	Co	59	373799.836	1.437	41.140499	0.562	1.367	ug/L
|	Cu	63	190687.071	0.730	43.452341	0.842	1.937	ug/L
|	Cu	65	90311.802	0.346	41.085785	0.805	1.960	ug/L
|	Zn	66	50771.657	0.194	41.874912	0.649	1.549	ug/L
|	Zn	68	38541.138	0.147	41.975215	1.296	3.088	ug/L
|>	Ge	72	260037.788	260037.788				ug/L
|	As	75	66860.835	0.256	43.564896	0.825	1.895	ug/L
|	Se	77	4410.408	0.017	37.131563	2.303	6.201	ug/L
⌊	Se	82	6198.387	0.024	37.922388	2.341	6.172	ug/L
⌈>	Rh	103	333236.350	333236.350				ug/L
|	Ag	107	357555.092	1.073	40.200422	0.763	1.898	ug/L
|	Cd	111	79091.574	0.237	38.226207	0.475	1.242	ug/L
⌊	Cd	114	194035.653	0.582	38.963522	0.429	1.100	ug/L
⌈>	In	115	242519.928	242519.928				ug/L
|	Sb	121	228381.397	0.943	34.788284	3.950	11.356	ug/L
⌊	Sb	123	173019.360	0.715	35.935469	4.988	13.881	ug/L
⌈	Tl	203	300427.020	0.923	39.100544	0.480	1.228	ug/L
|	Tl	205	769329.000	2.362	42.019973	0.647	1.541	ug/L
|	Pb	208	1028228.759	3.155	40.396546	0.521	1.290	ug/L
⌊>	Bi	209	325614.087	325614.087				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	98.547
⌊	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	94.895
|	As	74.922	
|	Se	76.920	

	Se	81.917	
>	Rh	102.905	96.004
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	95.401
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	99.630

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B12045-SCV	Sb	121	
0B12045-SCV	Sb	123	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	496290.217	496290.217		ug/L
Be	9	10822.300	0.022	37.744456	ug/L
V	51	353883.048	1.341	40.476426	ug/L
Cr	52	325378.108	1.213	41.662446	ug/L
Cr	53	34787.787	0.132	39.873581	ug/L
Co	59	378481.783	1.444	41.324013	ug/L
Cu	63	187951.549	0.714	42.461726	ug/L
Cu	65	92949.499	0.353	41.810079	ug/L
Zn	66	50296.879	0.191	41.149480	ug/L
Zn	68	39688.601	0.150	42.777737	ug/L
Ge	72	262113.156	262113.156		ug/L
As	75	66636.314	0.253	43.001813	ug/L
Se	77	4144.243	0.016	34.548629	ug/L
Se	82	5819.193	0.022	35.298617	ug/L
Rh	103	332484.461	332484.461		ug/L
Ag	107	352971.372	1.062	39.774556	ug/L
Cd	111	79118.048	0.238	38.324868	ug/L
Cd	114	198022.721	0.595	39.461084	ug/L
In	115	248784.840	248784.840		ug/L
Sb	121	205004.274	0.824	39.386461	ug/L
Sb	123	151286.064	0.608	39.584849	ug/L
Tl	203	304601.121	0.932	39.490961	ug/L
Tl	205	759634.942	2.324	41.328740	ug/L
Pb	208	1044950.019	3.199	40.936468	ug/L
Bi	209	326886.928	326886.928		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	497980.988	497980.988		ug/L
Be	9	10887.088	0.021	37.147864	ug/L
V	51	348463.271	1.350	40.788586	ug/L
Cr	52	308047.326	1.174	40.315673	ug/L
Cr	53	35082.194	0.136	41.241354	ug/L
Co	59	372384.987	1.453	41.588088	ug/L
Cu	63	190191.711	0.739	43.378860	ug/L
Cu	65	88807.783	0.346	41.045906	ug/L
Zn	66	50856.517	0.197	42.398787	ug/L
Zn	68	38804.425	0.149	42.868028	ug/L
Ge	72	256246.887	256246.887		ug/L
As	75	67325.002	0.262	44.612309	ug/L
Se	77	4433.430	0.017	37.886386	ug/L
Se	82	6409.388	0.025	39.788713	ug/L
Rh	103	334156.871	334156.871		ug/L
Ag	107	354488.732	1.061	39.745380	ug/L
Cd	111	78240.384	0.234	37.710018	ug/L
Cd	114	193728.403	0.580	38.784187	ug/L
In	115	240715.823	240715.823		ug/L
Sb	121	234688.734	0.975	35.956807	ug/L
Sb	123	176320.827	0.732	38.818150	ug/L
Tl	203	299018.325	0.928	39.246229	ug/L
Tl	205	773849.287	2.396	42.812048	ug/L
Pb	208	1018838.981	3.153	40.358287	ug/L
Bi	209	322875.263	322875.263		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	500083.248	500083.248		ug/L
Be	9	10486.788	0.021	36.292662	ug/L
V	51	356398.283	1.352	40.821564	ug/L
Cr	52	308309.274	1.150	39.481366	ug/L
Cr	53	35363.827	0.135	40.753256	ug/L
Co	59	370522.758	1.416	40.508386	ug/L
Cu	63	193817.962	0.738	43.998649	ug/L
Cu	65	89178.124	0.339	40.301381	ug/L
Zn	66	51356.475	0.195	42.078489	ug/L
Zn	68	37430.189	0.142	40.479879	ug/L
Ge	72	261753.311	261753.311		ug/L
As	75	66721.189	0.254	43.180867	ug/L
Se	77	4653.562	0.017	38.958686	ug/L
Se	82	6388.562	0.024	38.684833	ug/L
Rh	103	333087.719	333087.719		ug/L

I	Ag	107	365207.171	1.086	41.081316	ug/L
I	Cd	111	79816.250	0.240	38.643744	ug/L
L	Cd	114	182356.834	0.578	38.645286	ug/L
I >	In	115	238059.120	238059.120		ug/L
)	Sb	121	245444.183	1.031	38.023284	ug/L
L	Sb	123	181441.200	0.804	40.423408	ug/L
I	Tl	203	297884.816	0.910	38.584450	ug/L
I	Tl	205	774702.801	2.388	42.119130	ug/L
I	Pb	208	1020087.277	3.116	38.884917	ug/L
L >	Bi	209	327088.070	327088.070		ug/L

Sample Information

Sample ID: 0B12045-CCB
Autosampler Position: 1
Sample Date/Time: Friday, February 12, 2010 18:31:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\0B12045-CCB.010
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	459583.877	459583.877				ug/L
	Be	9	1.333	0.000	0.003871	0.002	55.139	ug/L
	V	51	2617.606	-0.000	-0.006291	0.001	21.593	ug/L
	Cr	52	7801.002	-0.001	-0.017646	0.012	67.188	ug/L
	Cr	53	244.007	0.000	0.060705	0.002	3.620	ug/L
	Co	59	62.668	-0.000	-0.002163	0.001	32.291	ug/L
	Cu	63	801.720	-0.000	-0.014062	0.003	21.846	ug/L
	Cu	65	361.679	-0.000	-0.026035	0.006	23.291	ug/L
	Zn	66	248.340	0.000	0.007438	0.009	125.312	ug/L
	Zn	68	351.679	-0.000	-0.035161	0.043	120.894	ug/L
>	Ge	72	280243.581	280243.581				ug/L
	As	75	403.108	0.001	0.102411	0.059	57.291	ug/L
	Se	77	153.003	0.000	0.299691	0.014	4.750	ug/L
	Se	82	89.880	0.000	0.342708	0.090	26.252	ug/L
>	Rh	103	317501.963	317501.963				ug/L
	Ag	107	54.667	0.000	0.005301	0.001	23.630	ug/L
	Cd	111	7.260	0.000	0.002708	0.001	52.021	ug/L
	Cd	114	18.042	0.000	0.002547	0.003	123.676	ug/L
>	In	115	256713.162	256713.162				ug/L
	Sb	121	1561.853	0.006	0.206527	0.003	1.598	ug/L
	Sb	123	1198.693	0.004	0.216401	0.007	3.175	ug/L
	Tl	203	62.334	0.000	0.000916	0.001	108.610	ug/L
	Tl	205	153.337	0.000	0.001062	0.001	101.253	ug/L
	Pb	208	715.688	-0.000	-0.003252	0.001	23.133	ug/L
>	Bi	209	339016.801	339016.801				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	90.924
	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	102.269
	As	74.922	
	Se	76.920	

	Se	81.917	
>	Rh	102.905	91.471
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	100.985
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	103.731

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B12045-CCB	Se	77	
0B12045-CCB	Se	82	
0B12045-CCB	Sb	121	
0B12045-CCB	Sb	123	

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	458228.682	458228.682		ug/L
Be	9	1.000	0.000	0.002836	ug/L
V	51	2824.112	0.000	-0.005802	ug/L
Cr	52	7773.306	-0.001	-0.021088	ug/L
Cr	53	243.007	0.000	0.058639	ug/L
Co	59	57.001	-0.000	-0.002744	ug/L
Cu	63	810.054	-0.000	-0.012304	ug/L
Cu	65	347.012	-0.000	-0.032251	ug/L
Zn	66	244.007	0.000	0.004134	ug/L
Zn	68	372.013	-0.000	-0.014630	ug/L
Ge	72	280251.846	280251.846		ug/L
As	75	514.438	0.001	0.188809	ug/L
Se	77	156.005	0.000	0.315674	ug/L
Se	82	108.988	0.000	0.440024	ug/L
Rh	103	316220.172	316220.172		ug/L
Ag	107	63.001	0.000	0.006680	ug/L
Cd	111	4.288	0.000	0.001204	ug/L
Cd	114	32.998	0.000	0.005712	ug/L
In	115	256101.901	256101.901		ug/L
Sb	121	1560.184	0.006	0.205386	ug/L
Sb	123	1179.606	0.004	0.213221	ug/L
Tl	203	65.001	0.000	0.001356	ug/L
Tl	205	170.004	0.000	0.002048	ug/L
Pb	208	686.020	-0.000	0.003688	ug/L
Bi	209	334837.674	334837.674		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	457546.032	457546.032		ug/L
Be	9	1.000	0.000	0.002642	ug/L
V	51	2813.076	0.000	-0.007856	ug/L
Cr	52	7751.281	-0.001	-0.027382	ug/L
Cr	53	247.007	0.000	0.062932	ug/L
Co	59	81.001	-0.000	-0.002369	ug/L
Cu	63	788.061	-0.000	-0.011808	ug/L
Cu	65	377.014	-0.000	-0.028136	ug/L
Zn	66	263.007	0.000	0.017983	ug/L
Zn	68	306.010	-0.000	-0.004046	ug/L
Ge	72	281316.506	281316.506		ug/L
Ag	75	340.458	0.000	0.063816	ug/L
Se	77	153.003	0.000	0.298028	ug/L
Se	82	76.124	0.000	0.262581	ug/L
Rh	103	319028.987	319028.987		ug/L
Ag	107	55.001	0.000	0.005308	ug/L
Cd	111	9.839	0.000	0.002998	ug/L
Cd	114	3.224	-0.000	-0.000588	ug/L
In	115	257277.171	257277.171		ug/L
Sb	121	1581.193	0.006	0.210246	ug/L
Sb	123	1241.617	0.004	0.224284	ug/L
Tl	203	53.001	-0.000	-0.000223	ug/L
Tl	205	131.003	-0.000	-0.000088	ug/L
Pb	208	736.023	-0.000	-0.002384	ug/L
Bi	209	337772.134	337772.134		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	462980.007	462980.007		ug/L
Be	9	2.000	0.000	0.008336	ug/L
V	51	2815.631	-0.000	-0.008416	ug/L
Cr	52	7878.421	-0.000	-0.004447	ug/L
Cr	53	243.007	0.000	0.060844	ug/L
Co	59	70.001	-0.000	-0.001388	ug/L
Cu	63	807.064	-0.000	-0.012272	ug/L
Cu	65	381.013	-0.000	0.025717	ug/L
Zn	66	236.006	0.000	0.000227	ug/L
Zn	68	378.014	-0.000	-0.008608	ug/L
Ge	72	279162.394	279162.394		ug/L
As	75	354.427	0.000	0.073707	ug/L

\	Se	77	151.003	0.000	0.268370	ug/L
L	Se	82	88.547	0.000	0.325639	ug/L
I>	Rh	103	317258.749	317258.749		ug/L
I	Ag	107	44.001	0.000	0.004048	ug/L
\	Cd	111	7.673	0.000	0.002934	ug/L
L	Cd	114	17.930	0.000	0.002518	ug/L
I>	In	115	256780.413	256780.413		ug/L
I	Sb	121	1544.162	0.006	0.203860	ug/L
L	Sb	123	1174.887	0.004	0.211697	ug/L
I	Tl	203	88.001	0.000	0.001617	ug/L
\	Tl	205	158.003	0.000	0.001238	ug/L
I	Pb	208	715.021	-0.000	-0.003705	ug/L
I>	Bi	209	344440.569	344440.569		ug/L

Sample Information

Sample ID: 0B12045-CRL1
Autosampler Position: 3
Sample Date/Time: Friday, February 12, 2010 18:34:42
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\0B12045-CRL1.011
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	460310.851	460310.851				ug/L
⌊	Be	9	52.001	0.000	0.194323	0.006	3.313	ug/L
⌈	V	51	4401.023	0.006	0.191098	0.009	4.505	ug/L
|	Cr	52	9530.117	0.006	0.207320	0.033	15.922	ug/L
|	Cr	53	398.348	0.001	0.232399	0.021	8.938	ug/L
|	Co	59	2054.316	0.007	0.203561	0.006	2.757	ug/L
|	Cu	63	1643.872	0.003	0.168681	0.015	8.897	ug/L
|	Cu	65	797.386	0.001	0.162475	0.008	5.134	ug/L
|	Zn	66	343.012	0.000	0.083200	0.015	17.479	ug/L
|	Zn	68	456.352	0.000	0.076638	0.004	4.711	ug/L
|>	Ge	72	277184.514	277184.514				ug/L
|	As	75	726.365	0.002	0.303614	0.069	22.604	ug/L
|	Se	77	154.337	0.000	0.325012	0.181	55.549	ug/L
⌊	Se	82	78.397	0.000	0.283176	0.179	63.365	ug/L
⌈>	Rh	103	317911.759	317911.759				ug/L
|	Ag	107	1648.874	0.005	0.193091	0.009	4.694	ug/L
|	Cd	111	406.205	0.001	0.204932	0.012	6.001	ug/L
⌊	Cd	114	924.332	0.003	0.193224	0.008	4.383	ug/L
⌈>	In	115	256740.738	256740.738				ug/L
|	Sb	121	2549.147	0.009	0.348432	0.011	3.033	ug/L
⌊	Sb	123	1907.645	0.007	0.355288	0.014	4.000	ug/L
⌈	Tl	203	1617.866	0.005	0.198997	0.003	1.485	ug/L
|	Tl	205	3768.365	0.011	0.194359	0.006	2.986	ug/L
|	Pb	208	5705.954	0.015	0.189165	0.007	3.545	ug/L
⌊>	Bi	209	333058.919	333058.919				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	91.068
⌊	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	101.152
|	As	74.922	
|	Se	76.920	

Se	81.917		
Rh	102.905	91.589	
Ag	106.905		
Cd	110.904		
Cd	113.904		
In	114.904	100.995	
Sb	120.904		
Sb	122.904		
Tl	202.972		
Tl	204.975		
Pb	207.977		
Bi	208.980	101.908	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	450812.424	450812.424		ug/L
Be	9	49.001	0.000	0.186980	ug/L
V	51	4428.430	0.008	0.186868	ug/L
Cr	52	9377.248	0.006	0.175644	ug/L
Cr	53	391.014	0.001	0.208838	ug/L
Co	59	2085.328	0.007	0.206289	ug/L
Cu	63	1561.191	0.009	0.151468	ug/L
Cu	65	791.058	0.001	0.156068	ug/L
Zn	66	333.011	0.000	0.072568	ug/L
Zn	68	461.016	0.000	0.078319	ug/L
Ge	72	280210.280	280210.280		ug/L
As	75	832.011	0.001	0.241257	ug/L
Se	77	132.003	0.000	0.131708	ug/L
Se	82	44.087	0.000	0.081516	ug/L
Rh	103	312761.754	312761.754		ug/L
Ag	107	1586.192	0.005	0.189105	ug/L
Cd	111	427.383	0.001	0.218119	ug/L
Cd	114	894.538	0.003	0.190126	ug/L
In	115	256287.394	256287.394		ug/L
Sb	121	2486.467	0.009	0.337100	ug/L
Sb	123	1842.004	0.007	0.340233	ug/L
Tl	203	1655.211	0.005	0.199004	ug/L
Tl	205	3788.042	0.011	0.189648	ug/L
Pb	208	5701.947	0.014	0.182647	ug/L
Bi	209	342826.660	342826.660		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	462749.781	462749.781		ug/L
Be	9	53.001	0.000	0.197111	ug/L
V	51	4315.664	0.006	0.183832	ug/L
Cr	52	9470.388	0.006	0.204797	ug/L
Cr	53	411.016	0.001	0.248086	ug/L
Co	59	2088.328	0.007	0.208122	ug/L
Cu	63	1685.218	0.009	0.179028	ug/L
Cu	65	787.061	0.001	0.158462	ug/L
Zn	66	334.011	0.000	0.077269	ug/L
Zn	68	458.019	0.000	0.080398	ug/L
Ge	72	275992.688	275992.688		ug/L
As	75	843.184	0.002	0.377150	ug/L
Se	77	174.004	0.000	0.480271	ug/L
Se	82	102.781	0.000	0.425194	ug/L
Rh	103	317557.602	317557.602		ug/L
Ag	107	1592.193	0.005	0.186704	ug/L
Cd	111	390.932	0.001	0.197303	ug/L
Cd	114	882.178	0.003	0.186738	ug/L
In	115	256533.133	256533.133		ug/L
Sb	121	2558.484	0.009	0.350178	ug/L
Sb	123	1873.537	0.007	0.366471	ug/L
Tl	203	1633.209	0.005	0.201848	ug/L
Tl	205	3722.007	0.011	0.192722	ug/L
Pb	208	5672.946	0.015	0.188604	ug/L
Bi	209	331497.113	331497.113		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	467270.349	467270.348		ug/L
Be	9	54.001	0.000	0.198887	ug/L
V	51	4458.781	0.007	0.200806	ug/L
Cr	52	9742.737	0.007	0.241619	ug/L
Cr	53	403.015	0.001	0.240307	ug/L
Co	59	1980.294	0.007	0.187293	ug/L
Cu	63	1585.211	0.009	0.175550	ug/L
Cu	65	814.056	0.001	0.171904	ug/L
Zn	66	352.013	0.000	0.098772	ug/L
Zn	68	450.019	0.000	0.073198	ug/L
Ge	72	275350.588	275350.588		ug/L
As	75	703.931	0.002	0.292436	ug/L
Se	77	157.003	0.000	0.354086	ug/L
Se	82	88.344	0.000	0.342519	ug/L
Rh	103	323415.922	323415.922		ug/L
Ag	107	1766.236	0.006	0.203463	ug/L
Cd	111	400.282	0.001	0.198373	ug/L
Cd	114	986.294	0.003	0.202806	ug/L

I>	In	115	2554401.687	2554401.687		ug/L
I	Sb	121	2602.500	0.010	0.358021	ug/L
I	Sb	123	1807.393	0.007	0.357161	ug/L
I	Tl	203	1566.185	0.008	0.198040	ug/L
I	Tl	205	3795.048	0.011	0.200808	ug/L
I	Pb	208	5742.970	0.015	0.199048	ug/L
I>	Bi	209	324852.984	324852.984		ug/L

Sample Information

Sample ID: 0B12045-CRL2
Autosampler Position: 4
Sample Date/Time: Friday, February 12, 2010 18:38:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\0B12045-CRL2.012
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	495149.044	495149.044				ug/L
	Be	9	268.341	0.001	0.937015	0.027	2.933	ug/L
	V	51	11796.786	0.035	1.069696	0.012	1.115	ug/L
	Cr	52	15590.155	0.031	1.068147	0.052	4.840	ug/L
	Cr	53	1155.438	0.004	1.131494	0.045	3.950	ug/L
	Co	59	9364.563	0.035	1.013587	0.028	2.729	ug/L
	Cu	63	5672.642	0.019	1.102612	0.012	1.101	ug/L
	Cu	65	2654.187	0.009	1.023357	0.060	5.823	ug/L
	Zn	66	1427.824	0.005	0.989233	0.035	3.569	ug/L
	Zn	68	1219.450	0.003	0.935134	0.046	4.890	ug/L
>	Ge	72	262268.529	262268.529				ug/L
	As	75	1895.370	0.006	1.086230	0.047	4.281	ug/L
	Se	77	214.005	0.000	0.904989	0.102	11.281	ug/L
	Se	82	173.067	0.001	0.884436	0.072	8.178	ug/L
>	Rh	103	337496.923	337496.923				ug/L
	Ag	107	8861.594	0.026	0.982668	0.056	5.736	ug/L
	Cd	111	2011.439	0.006	0.958945	0.016	1.642	ug/L
	Cd	114	4818.502	0.014	0.954142	0.026	2.710	ug/L
>	In	115	242088.547	242088.547				ug/L
	Sb	121	7959.178	0.032	1.195161	0.017	1.415	ug/L
	Sb	123	6040.902	0.025	1.236653	0.038	3.039	ug/L
	Tl	203	7605.127	0.023	0.990585	0.036	3.619	ug/L
	Tl	205	19600.721	0.060	1.071918	0.012	1.151	ug/L
	Pb	208	26242.878	0.079	1.009415	0.018	1.757	ug/L
>	Bi	209	323139.904	323139.904				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.960
	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	95.709
	As	74.922	
	Se	76.920	

: 00411

	Se	81.917	
>	Rh	102.905	97.231
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	95.232
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	98.873

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	498373.019	498373.019		ug/L
Be	9	261.007	0.001	0.905386	ug/L
V	51	11676.151	0.036	1.081284	ug/L
Cr	52	15822.684	0.032	1.108677	ug/L
Cr	53	1126.101	0.004	1.108203	ug/L
Co	59	9572.505	0.036	1.040382	ug/L
Cu	63	5809.268	0.018	1.083400	ug/L
Cu	65	2688.533	0.008	1.043532	ug/L
Zn	66	1384.148	0.004	0.967869	ug/L
Zn	68	1181.109	0.003	0.868486	ug/L
Ge	72	261219.280	261219.280		ug/L
As	75	1822.568	0.006	1.043756	ug/L
Se	77	210.005	0.000	0.878486	ug/L
Se	82	184.443	0.001	0.958230	ug/L
Rh	103	337700.880	337700.880		ug/L
Ag	107	8356.989	0.025	0.926034	ug/L
Cd	111	1988.917	0.008	0.948081	ug/L
Cd	114	4925.567	0.015	0.974781	ug/L
In	115	244306.857	244306.857		ug/L
Sb	121	7983.516	0.032	1.184751	ug/L
Sb	123	5908.619	0.024	1.197246	ug/L
Tl	203	7558.073	0.023	0.983644	ug/L
Tl	205	19375.438	0.060	1.058443	ug/L
Pb	208	26758.103	0.080	1.028771	ug/L
Bi	209	323480.982	323480.982		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	497806.481	497806.481		ug/L
Be	9	275.008	0.001	0.956099	ug/L
V	51	11701.027	0.036	1.084486	ug/L
Cr	52	15879.347	0.032	1.086366	ug/L
Cr	53	1196.112	0.004	1.183102	ug/L
Co	59	9341.187	0.036	1.015280	ug/L
Cu	63	5828.273	0.018	1.086082	ug/L
Cu	65	2748.568	0.008	1.070246	ug/L
Zn	66	1468.166	0.005	1.027488	ug/L
Zn	68	1261.124	0.003	0.988386	ug/L
Ge	72	261151.881	261151.881		ug/L
As	75	1983.704	0.007	1.136420	ug/L
Se	77	203.006	0.000	0.819788	ug/L
Se	82	160.782	0.001	0.813868	ug/L
Rh	103	338055.081	338055.081		ug/L
Ag	107	8981.607	0.028	0.983208	ug/L
Cd	111	1908.713	0.008	0.981754	ug/L
Cd	114	4680.032	0.014	0.925137	ug/L
In	115	240771.581	240771.581		ug/L
Sb	121	8043.607	0.033	1.214678	ug/L
Sb	123	6027.848	0.025	1.240819	ug/L
Tl	203	7330.833	0.023	0.958716	ug/L
Tl	205	19713.353	0.061	1.062847	ug/L
Pb	208	28036.947	0.079	1.005833	ug/L
Bi	209	321791.973	321791.973		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	486267.633	486267.633		ug/L
Be	9	268.009	0.001	0.960580	ug/L
V	51	12013.180	0.036	1.083336	ug/L
Cr	52	15268.484	0.029	1.009368	ug/L
Cr	53	1142.103	0.004	1.105177	ug/L
Co	59	9179.987	0.034	0.985120	ug/L
Cu	63	5780.386	0.019	1.116373	ug/L
Cu	65	2527.472	0.008	0.956294	ug/L
Zn	66	1431.158	0.005	0.982313	ug/L
Zn	68	1216.116	0.003	0.920581	ug/L
Ge	72	264434.428	264434.428		ug/L
As	75	1899.847	0.006	1.079013	ug/L
Se	77	229.008	0.000	1.017727	ug/L
Se	82	173.987	0.001	0.881413	ug/L
Rh	103	336734.829	336734.829		ug/L
Ag	107	9346.204	0.029	1.039762	ug/L
Cd	111	2044.687	0.008	0.977000	ug/L
Cd	114	4849.818	0.014	0.962529	ug/L

[>	In	115	241188.183	241188.183		ug/L
[	Sb	121	7870.412	0.032	1.188054	ug/L
[	Sb	123	6188.239	0.025	1.272088	ug/L
[	Tl	203	7928.474	0.034	1.029384	ug/L
[	Tl	205	19713.383	0.080	1.074888	ug/L
[	Pb	208	25834.582	0.078	0.963842	ug/L
[>	Bi	209	324188.648	324188.648		ug/L

Sample Information

Sample ID: 0B12045-IFA1
Autosampler Position: 10
Sample Date/Time: Friday, February 12, 2010 18:41:54
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\0B12045-IFA1.013
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	504394.332	504394.332				ug/L
⌊	Be	9	0.667	0.000	0.001156	0.004	344.167	ug/L
⌈	V	51	2374.819	-0.001	-0.015109	0.022	146.852	ug/L
|	Cr	52	9264.432	0.007	0.238294	0.019	7.821	ug/L
|	Cr	53	1168.774	0.004	1.145544	0.067	5.874	ug/L
|	Co	59	157.670	0.000	0.008616	0.003	33.266	ug/L
|	Cu	63	2259.046	0.006	0.327733	0.007	2.232	ug/L
|	Cu	65	1048.088	0.002	0.294886	0.027	9.129	ug/L
|	Zn	66	2183.356	0.007	1.608071	0.060	3.752	ug/L
|	Zn	68	1371.812	0.004	1.099743	0.017	1.505	ug/L
|>	Ge	72	262523.636	262523.636				ug/L
|	As	75	297.117	0.000	0.050145	0.057	112.785	ug/L
|	Se	77	252.007	0.001	1.228414	0.071	5.760	ug/L
⌊	Se	82	55.266	0.000	0.166575	0.078	46.943	ug/L
⌈>	Rh	103	320224.120	320224.120				ug/L
|	Ag	107	309.344	0.001	0.035103	0.013	37.691	ug/L
|	Cd	111	-0.924	-0.000	-0.001772	0.046	2577.753	ug/L
⌊	Cd	114	1814.336	0.006	0.377934	0.010	2.661	ug/L
⌈>	In	115	234607.788	234607.788				ug/L
|	Sb	121	1025.084	0.004	0.143184	0.011	7.354	ug/L
⌊	Sb	123	810.259	0.003	0.155252	0.006	4.053	ug/L
⌈	Tl	203	207.338	0.001	0.021639	0.005	22.914	ug/L
|	Tl	205	559.361	0.001	0.025320	0.005	19.027	ug/L
|	Pb	208	1143.716	0.001	0.017252	0.000	1.827	ug/L
⌊>	Bi	209	308046.772	308046.772				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	99.790
⌊	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	95.802
|	As	74.922	
|	Se	76.920	

Se	81.917		
Rh	102.905	92.255	
Ag	106.905		
Cd	110.904		
Cd	113.904		
In	114.904	92.289	
Sb	120.904		
Sb	122.904		
Tl	202.972		
Tl	204.975		
Pb	207.977		
Bi	208.980	94.255	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	500662.467	500662.467		ug/L
Be	9	0.000	-0.000	-0.001142	ug/L
V	51	2168.019	-0.001	-0.040875	ug/L
Cr	52	9461.357	0.007	0.256733	ug/L
Cr	53	1121.099	0.004	1.082784	ug/L
Co	59	189.004	0.000	0.011930	ug/L
Cu	63	2242.374	0.006	0.320828	ug/L
Cu	65	1122.099	0.003	0.326472	ug/L
Zn	66	2215.398	0.008	1.623413	ug/L
Zn	68	1384.144	0.004	1.082500	ug/L
Ge	72	264082.103	264082.103		ug/L
As	75	284.661	0.000	0.041116	ug/L
Se	77	280.007	0.001	1.263868	ug/L
Se	82	46.349	0.000	0.110862	ug/L
Rh	103	318870.483	318870.483		ug/L
Ag	107	429.017	0.001	0.049808	ug/L
Cd	111	102.400	-0.000	-0.053082	ug/L
Cd	114	1648.908	0.006	0.388436	ug/L
In	115	236256.865	236256.865		ug/L
Sb	121	1088.085	0.004	0.153074	ug/L
Sb	123	849.661	0.003	0.162461	ug/L
Tl	203	249.007	0.001	0.027287	ug/L
Tl	205	647.036	0.002	0.030043	ug/L
Pb	208	1139.080	0.001	0.018880	ug/L
Bi	209	309142.146	309142.146		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	510458.269	510458.269		ug/L
Be	9	0.000	-0.000	-0.001142	ug/L
V	51	2456.880	-0.000	-0.003787	ug/L
Cr	52	9199.012	0.007	0.238883	ug/L
Cr	53	1153.108	0.004	1.137256	ug/L
Co	59	143.003	0.000	0.007142	ug/L
Cu	63	2236.373	0.006	0.326800	ug/L
Cu	65	998.079	0.002	0.274784	ug/L
Zn	66	2229.370	0.008	1.650287	ug/L
Zn	68	1376.146	0.004	1.115498	ug/L
Ge	72	260681.973	260681.973		ug/L
Ag	75	215.782	-0.000	-0.001353	ug/L
Se	77	253.007	0.001	1.253000	ug/L
Se	82	49.404	0.000	0.133144	ug/L
Rh	103	324327.918	324327.918		ug/L
Ag	107	297.009	0.001	0.032004	ug/L
Cd	111	71.570	0.000	0.034571	ug/L
Cd	114	1616.637	0.006	0.373566	ug/L
In	115	238430.373	238430.373		ug/L
Sb	121	1040.085	0.004	0.144383	ug/L
Sb	123	795.546	0.003	0.150803	ug/L
Tl	203	185.006	0.000	0.019734	ug/L
Tl	205	482.021	0.001	0.020818	ug/L
Pb	208	1157.050	0.001	0.017405	ug/L
Bi	209	310638.917	310638.917		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	502184.258	502184.258		ug/L
Be	9	2.000	0.000	0.005752	ug/L
V	51	2502.748	-0.000	-0.000866	ug/L
Cr	52	9132.928	0.006	0.219468	ug/L
Cr	53	1232.119	0.004	1.216582	ug/L
Co	59	141.003	0.000	0.008787	ug/L
Cu	63	2286.392	0.006	0.333470	ug/L
Cu	65	1026.084	0.002	0.284391	ug/L
Zn	66	2105.331	0.007	1.541643	ug/L
Zn	68	1378.146	0.004	1.101232	ug/L
Ge	72	262886.631	262886.631		ug/L
As	75	290.938	0.001	0.110672	ug/L
Se	77	243.007	0.001	1.148644	ug/L
Se	82	70.048	0.000	0.256828	ug/L
Rh	103	319873.959	319873.959		ug/L
Ag	107	212.006	0.001	0.023688	ug/L
Cd	111	28.056	0.000	0.013166	ug/L
Cd	114	1777.463	0.006	0.370811	ug/L

In	115	231137.127	231137.127		ug/L
Sb	121	940.071	0.004	0.132116	ug/L
Sb	123	765.548	0.003	0.152502	ug/L
Tl	203	178.004	0.000	0.017918	ug/L
Tl	205	548.927	0.001	0.025100	ug/L
Pb	208	1135.048	0.001	0.017462	ug/L
Bi	209	304382.253	304382.253		ug/L

Sample Information

Sample ID: 0B12045-IFB1
Autosampler Position: 11
Sample Date/Time: Friday, February 12, 2010 18:46:30
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\0B12045-IFB1.014
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	500570.418	500570.418				ug/L
⌊	Be	9	5261.657	0.011	18.197878	0.266	1.462	ug/L
⌈	V	51	180111.635	0.676	20.420063	0.093	0.457	ug/L
|	Cr	52	154411.331	0.560	19.222815	0.352	1.831	ug/L
|	Cr	53	18425.275	0.069	21.047818	0.743	3.529	ug/L
|	Co	59	176105.250	0.670	19.187645	0.094	0.490	ug/L
|	Cu	63	93024.124	0.351	20.893835	0.160	0.765	ug/L
|	Cu	65	42580.670	0.161	19.089154	0.507	2.658	ug/L
|	Zn	66	27336.173	0.103	22.237466	0.512	2.300	ug/L
|	Zn	68	19877.155	0.074	21.244555	0.492	2.318	ug/L
|>	Ge	72	262596.951	262596.951				ug/L
|	As	75	33691.510	0.127	21.665068	0.222	1.026	ug/L
|	Se	77	2458.448	0.009	20.078217	0.627	3.125	ug/L
⌊	Se	82	3275.407	0.012	19.754605	0.210	1.065	ug/L
⌈>	Rh	103	314521.619	314521.619				ug/L
|	Ag	107	170858.087	0.543	20.355502	0.402	1.973	ug/L
|	Cd	111	38661.278	0.123	19.801033	0.519	2.619	ug/L
⌊	Cd	114	95952.488	0.305	20.413220	0.353	1.727	ug/L
⌈>	In	115	229980.561	229980.561				ug/L
|	Sb	121	131293.926	0.570	21.044983	0.123	0.586	ug/L
⌊	Sb	123	103228.783	0.449	22.558680	0.526	2.332	ug/L
⌈	Tl	203	145103.525	0.470	19.926674	0.151	0.757	ug/L
|	Tl	205	373678.187	1.211	21.540159	0.713	3.308	ug/L
|	Pb	208	483306.273	1.564	20.028528	0.653	3.262	ug/L
⌊>	Bi	209	308561.442	308561.442				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	99.033
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	95.829
|	As	74.922	
|	Se	76.920	

Se	81.917		
Rh	102.905	90.612	
Ag	106.905		
Cd	110.904		
Cd	113.904		
In	114.904	90.469	
Sb	120.904		
Sb	122.904		
Tl	202.972		
Tl	204.975		
Pb	207.977		
Bi	208.980	94.412	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B12045-IFB1	Zn	66	
0B12045-IFB1	Sb	123	

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	511239.419	511239.419		ug/L
Be	9	5339.048	0.010	18.075674	ug/L
V	51	178238.535	0.674	20.343088	ug/L
Cr	52	157325.270	0.871	19.838601	ug/L
Cr	53	17701.083	0.057	20.236943	ug/L
Co	59	175380.708	0.669	19.129667	ug/L
Cu	63	92122.184	0.348	20.712728	ug/L
Cu	65	43487.413	0.164	19.519488	ug/L
Zn	66	26619.776	0.101	21.675322	ug/L
Zn	68	20044.286	0.075	21.448480	ug/L
Ge	72	262303.974	262303.974		ug/L
As	75	33750.614	0.128	21.728834	ug/L
Se	77	2372.418	0.009	19.385720	ug/L
Se	82	3251.180	0.012	19.612978	ug/L
Rh	103	316884.677	316884.677		ug/L
Ag	107	169803.287	0.535	20.040186	ug/L
Cd	111	38527.468	0.122	19.581008	ug/L
Cd	114	98408.010	0.311	20.778788	ug/L
In	115	233484.851	233484.851		ug/L
Sb	121	134046.427	0.574	21.166846	ug/L
Sb	123	102149.374	0.437	21.986216	ug/L
Tl	203	143856.589	0.473	20.082101	ug/L
Tl	205	377595.138	1.242	22.083179	ug/L
Pb	208	492753.727	1.618	20.718457	ug/L
Bi	209	304033.682	304033.682		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	505178.998	505178.998		ug/L
Be	9	5257.987	0.010	18.014858	ug/L
V	51	176860.948	0.675	20.393328	ug/L
Cr	52	152149.878	0.566	19.061808	ug/L
Cr	53	18439.956	0.070	21.211030	ug/L
Co	59	175906.405	0.674	19.298013	ug/L
Cu	63	92929.629	0.353	21.015648	ug/L
Cu	65	42980.987	0.162	19.218096	ug/L
Zn	66	27305.345	0.104	22.361441	ug/L
Zn	68	20071.361	0.076	21.602169	ug/L
Ge	72	260823.189	260823.189		ug/L
As	75	33749.861	0.129	21.850163	ug/L
Se	77	2486.461	0.009	20.547883	ug/L
Se	82	3215.014	0.012	19.521185	ug/L
Rh	103	316816.781	316816.781		ug/L
Ag	107	170876.809	0.540	20.218740	ug/L
Cd	111	38218.686	0.121	19.428679	ug/L
Cd	114	95057.112	0.300	20.078455	ug/L
In	115	227686.699	227686.699		ug/L
Sb	121	129207.425	0.567	20.920101	ug/L
Sb	123	102726.102	0.451	22.871863	ug/L
Tl	203	145187.143	0.471	19.953972	ug/L
Tl	205	378047.134	1.226	21.804020	ug/L
Pb	208	481097.046	1.558	19.947702	ug/L
Bi	209	308293.619	308293.619		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	485294.836	485294.836		ug/L
Be	9	5187.935	0.011	18.503101	ug/L
V	51	182436.429	0.680	20.523807	ug/L
Cr	52	153758.946	0.553	18.980136	ug/L
Cr	53	19134.787	0.072	21.986482	ug/L
Co	59	177028.636	0.668	19.137257	ug/L
Cu	63	94020.880	0.353	20.953230	ug/L
Cu	65	41873.830	0.156	18.529577	ug/L
Zn	66	28088.399	0.106	22.875834	ug/L
Zn	68	19515.819	0.072	20.683008	ug/L
Ge	72	264883.881	264883.881		ug/L
As	75	33574.268	0.126	21.416408	ug/L
Se	77	2509.466	0.009	20.321087	ug/L
Se	82	3300.027	0.012	19.929850	ug/L
Rh	103	309863.418	309863.418		ug/L

I	Ag	107	172084.172	0.565	20.807562	ug/L
I	Cd	111	36238.788	0.127	20.393413	ug/L
I	Cd	114	94362.343	0.308	20.383437	ug/L
I>	In	115	228780.133	228780.133		ug/L
I	Sb	121	130827.927	0.570	21.046201	ug/L
I	Sb	123	104807.672	0.456	23.019169	ug/L
I	Tl	203	146166.832	0.466	19.763849	ug/L
I	Tl	205	365362.289	1.166	20.733276	ug/L
I	Pb	208	476088.046	1.517	19.418427	ug/L
I>	Bi	209	313357.016	313357.016		ug/L

Sample Information

Sample ID: 0B12045-CCV
Autosampler Position: 2
Sample Date/Time: Friday, February 12, 2010 18:51:06
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\0B12045-CCV.015
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	472556.868	472556.868				ug/L
⌊	Be	9	11472.657	0.024	42.045628	1.579	3.756	ug/L
⌈	V	51	341761.155	1.246	37.610481	0.628	1.670	ug/L
¦	Cr	52	314348.571	1.127	38.698644	1.539	3.976	ug/L
¦	Cr	53	35508.159	0.130	39.281528	0.820	2.087	ug/L
¦	Co	59	387427.645	1.422	40.715871	0.680	1.670	ug/L
¦	Cu	63	178565.048	0.653	38.855136	1.478	3.803	ug/L
¦	Cu	65	91528.640	0.335	39.770057	1.003	2.522	ug/L
¦	Zn	66	49292.062	0.180	38.805205	0.632	1.629	ug/L
¦	Zn	68	36743.663	0.134	38.205510	1.940	5.077	ug/L
¦>	Ge	72	272358.436	272358.436				ug/L
¦	As	75	63561.984	0.233	39.555199	1.661	4.198	ug/L
¦	Se	77	4823.345	0.017	38.852933	2.639	6.793	ug/L
⌊	Se	82	6213.455	0.023	36.354355	4.020	11.058	ug/L
⌈>	Rh	103	307701.006	307701.006				ug/L
¦	Ag	107	337054.752	1.095	41.043546	0.478	1.164	ug/L
¦	Cd	111	79544.822	0.259	41.644896	1.439	3.455	ug/L
⌊	Cd	114	184344.902	0.599	40.089301	0.258	0.644	ug/L
⌈>	In	115	249002.015	249002.015				ug/L
¦	Sb	121	227605.486	0.916	33.792420	4.631	13.705	ug/L
⌊	Sb	123	167324.372	0.673	33.841192	3.620	10.698	ug/L
⌈	Tl	203	311488.780	0.934	39.581097	0.582	1.471	ug/L
¦	Tl	205	717275.911	2.151	38.267534	0.900	2.352	ug/L
¦	Pb	208	1008595.292	3.023	38.702163	0.540	1.394	ug/L
⌊>	Bi	209	333434.396	333434.396				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.491
⌊	Be	9.012	
⌈	V	50.944	
¦	Cr	51.941	
¦	Cr	52.941	
¦	Co	58.933	
¦	Cu	62.930	
¦	Cu	64.928	
¦	Zn	65.926	
¦	Zn	67.925	
¦>	Ge	71.922	99.391
¦	As	74.922	
¦	Se	76.920	

L	Se	81.917		
[>	Rh	102.905		88.647
|	Ag	106.905		
|	Cd	110.904		
L	Cd	113.904		
[>	In	114.904		97.951
|	Sb	120.904		
L	Sb	122.904		
[	Tl	202.972		
|	Tl	204.975		
|	Pb	207.977		
L>	Bi	208.980		102.023

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B12045-CCV	Sb	121	
0B12045-CCV	Sb	123	

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	462342.840	462342.840		ug/L
L	Be	9	11378.188	0.025	42.587030	ug/L
[	V	51	346348.347	1.237	37.345641	ug/L
|	Cr	52	311129.733	1.081	37.464488	ug/L
|	Cr	53	37034.128	0.133	40.186748	ug/L
|	Co	59	387713.280	1.398	38.931110	ug/L
|	Cu	63	176212.824	0.631	37.548888	ug/L
|	Cu	65	91292.606	0.327	38.858582	ug/L
|	Zn	66	50880.824	0.181	39.088882	ug/L
|	Zn	68	35808.882	0.127	38.440231	ug/L
[>	Ge	72	277883.188	277883.188		ug/L
|	As	75	62522.184	0.224	38.100887	ug/L
|	Se	77	4563.522	0.016	38.162486	ug/L
L	Se	82	5784.982	0.021	33.088572	ug/L
[>	Rh	103	304031.808	304031.808		ug/L
|	Ag	107	337501.781	1.110	41.580583	ug/L
|	Cd	111	91217.672	0.287	43.023867	ug/L
L	Cd	114	182838.410	0.601	40.197308	ug/L
[>	In	115	255240.223	255240.223		ug/L
|	Sb	121	200187.922	0.784	28.917805	ug/L
L	Sb	123	152501.027	0.597	30.029771	ug/L
[	Tl	203	320842.828	0.943	39.963807	ug/L
|	Tl	205	718830.528	2.113	37.588248	ug/L
|	Pb	208	1015561.323	2.986	38.208747	ug/L
L>	Bi	209	339980.788	339980.788		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	469618.870	469618.870		ug/L
L	Be	9	11738.756	0.025	43.275288	ug/L
[	V	51	342800.252	1.231	37.158176	ug/L
|	Cr	52	318103.397	1.112	38.182449	ug/L
|	Cr	53	35361.668	0.127	38.548287	ug/L
|	Co	59	397257.963	1.437	41.131584	ug/L
|	Cu	63	179956.666	0.648	38.555496	ug/L
|	Cu	65	92561.667	0.333	39.807076	ug/L
|	Zn	66	49102.668	0.177	38.081367	ug/L
|	Zn	68	37024.076	0.133	37.894536	ug/L
[>	Ge	72	276398.837	276398.837		ug/L
|	As	75	63980.082	0.231	39.200221	ug/L
|	Se	77	4913.739	0.017	38.858494	ug/L
L	Se	82	6107.747	0.022	35.130584	ug/L
[>	Rh	103	308983.076	308983.076		ug/L
|	Ag	107	338386.950	1.090	40.831086	ug/L
|	Cd	111	80028.384	0.256	41.757883	ug/L
L	Cd	114	183583.868	0.908	39.784791	ug/L
[>	In	115	250432.179	250432.179		ug/L
|	Sb	121	233104.876	0.930	34.325797	ug/L
L	Sb	123	170706.387	0.681	34.281906	ug/L
[	Tl	203	314574.843	0.941	39.879221	ug/L
|	Tl	205	712916.183	2.132	37.925819	ug/L
|	Pb	208	1009166.461	3.017	38.617811	ug/L
L>	Bi	209	334288.886	334288.886		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	485808.084	485808.084		ug/L
L	Be	9	11301.048	0.023	40.264575	ug/L
[	V	51	336137.884	1.208	38.327628	ug/L
|	Cr	52	316812.562	1.177	40.428987	ug/L
|	Cr	53	34126.680	0.129	39.129548	ug/L
|	Co	59	377311.732	1.436	41.084810	ug/L
|	Cu	63	179522.784	0.660	40.458318	ug/L
|	Cu	65	90741.647	0.344	40.844812	ug/L
|	Zn	66	48112.676	0.182	39.247388	ug/L
|	Zn	68	37400.031	0.141	40.281760	ug/L
[>	Ge	72	262818.306	262818.306		ug/L
|	As	75	64183.697	0.243	41.364678	ug/L
|	Se	77	4982.773	0.018	41.437818	ug/L
L	Se	82	6747.638	0.026	40.843810	ug/L
[>	Rh	103	310408.336	310408.335		ug/L

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I	Ag	107	337278.514	1.087	40.708881	ug/L
i	Cd	111	77388.429	0.348	40.153138	ug/L
L	Cd	114	186832.587	0.602	40.275742	ug/L
[>	In	115	241333.844	241333.844		ug/L
I	Sb	121	249643.668	1.034	38.133887	ug/L
L	Sb	123	178763.703	0.740	37.232901	ug/L
[	Tl	205	299348.878	0.918	38.910163	ug/L
I	Tl	205	720281.022	2.209	38.288538	ug/L
I	Pb	208	1001089.082	3.068	38.278932	ug/L
L>	Bi	209	326028.708	326028.708		ug/L

Sample ID: 0B12045-CCV
Report Date/Time: Friday, February 12, 2010 18:52:59

Sample Information

Sample ID: 0B12045-CCB
Autosampler Position: 1
Sample Date/Time: Friday, February 12, 2010 19:02:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\0B12045-CCB.016
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	494377.216	494377.216				ug/L
	Be	9	1.000	0.000	0.002305	0.003	148.607	ug/L
	V	51	2467.584	-0.000	-0.004185	0.011	268.050	ug/L
	Cr	52	7288.790	-0.001	-0.019139	0.014	73.944	ug/L
	Cr	53	278.342	0.000	0.118673	0.047	39.553	ug/L
	Co	59	73.334	-0.000	-0.000555	0.001	158.922	ug/L
	Cu	63	872.395	0.000	0.013680	0.006	45.781	ug/L
	Cu	65	408.016	0.000	0.005596	0.016	289.847	ug/L
	Zn	66	217.339	-0.000	-0.005046	0.019	373.607	ug/L
	Zn	68	346.345	-0.000	-0.016240	0.030	186.219	ug/L
>	Ge	72	262276.846	262276.846				ug/L
	As	75	181.506	-0.000	-0.024324	0.034	140.751	ug/L
	Se	77	110.335	0.000	0.019960	0.163	818.763	ug/L
	Se	82	54.332	0.000	0.162865	0.256	157.387	ug/L
>	Rh	103	327351.403	327351.403				ug/L
	Ag	107	58.001	0.000	0.005482	0.000	6.847	ug/L
	Cd	111	7.051	0.000	0.002497	0.001	28.828	ug/L
	Cd	114	15.164	0.000	0.001855	0.002	88.640	ug/L
>	In	115	236856.247	236856.247				ug/L
	Sb	121	1321.469	0.005	0.187894	0.003	1.376	ug/L
	Sb	123	1005.452	0.004	0.195075	0.007	3.462	ug/L
	Tl	203	64.334	0.000	0.001672	0.001	51.673	ug/L
	Tl	205	143.336	0.000	0.001007	0.000	47.175	ug/L
	Pb	208	576.015	-0.001	-0.007154	0.001	7.009	ug/L
>	Bi	209	318911.237	318911.237				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.808
	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	95.712
	As	74.922	
	Se	76.920	

	Se	81.917	
>	Rh	102.905	94.308
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	93.173
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	97.579

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	498086.353	498086.353		ug/L
Be	9	1.000	0.000	0.002348	ug/L
V	51	2528.100	0.000	0.008874	ug/L
Cr	52	7289.791	-0.000	-0.006382	ug/L
Cr	53	280.008	0.000	0.136718	ug/L
Co	59	61.001	0.000	0.000402	ug/L
Cu	63	881.084	0.000	0.020770	ug/L
Cu	65	443.018	0.000	0.024213	ug/L
Zn	66	190.004	-0.000	-0.025126	ug/L
Zn	68	371.013	0.000	0.016201	ug/L
Ge	72	258566.988	258566.988		ug/L
As	75	221.542	0.000	0.003564	ug/L
Se	77	126.002	0.000	0.168154	ug/L
Se	82	97.806	0.000	0.434667	ug/L
Rh	103	332583.938	332583.938		ug/L
Ag	107	61.001	0.000	0.006721	ug/L
Cd	111	8.163	0.000	0.002014	ug/L
Cd	114	6.881	0.000	0.000122	ug/L
In	115	236886.813	236886.813		ug/L
Sb	121	1331.137	0.006	0.189383	ug/L
Sb	123	970.320	0.004	0.187580	ug/L
Tl	203	57.001	0.000	0.000820	ug/L
Tl	205	138.003	0.000	0.000832	ug/L
Pb	208	580.016	-0.001	-0.000836	ug/L
Bi	209	314037.972	314037.972		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	505439.640	505439.640		ug/L
Be	9	2.000	0.000	0.005708	ug/L
V	51	2375.011	-0.001	-0.015732	ug/L
Cr	52	7317.820	-0.001	-0.018351	ug/L
Cr	53	310.010	0.001	0.153812	ug/L
Co	59	72.001	-0.000	-0.000731	ug/L
Cu	63	866.081	0.000	0.011367	ug/L
Cu	65	385.014	-0.000	-0.005481	ug/L
Zn	66	239.006	0.000	0.012276	ug/L
Zn	68	343.012	-0.000	-0.021287	ug/L
Ge	72	263074.588	263074.588		ug/L
As	75	123.114	-0.000	-0.082537	ug/L
Se	77	114.002	0.000	0.047044	ug/L
Se	82	15.663	-0.000	-0.074888	ug/L
Rh	103	329234.986	329234.986		ug/L
Ag	107	80.001	0.000	0.008877	ug/L
Cd	111	8.779	0.000	0.003324	ug/L
Cd	114	16.310	0.000	0.002050	ug/L
In	115	235189.802	235189.802		ug/L
Sb	121	1293.130	0.005	0.184908	ug/L
Sb	123	1024.708	0.004	0.200888	ug/L
Tl	203	71.001	0.000	0.002547	ug/L
Tl	206	137.003	0.000	0.000844	ug/L
Pb	208	565.014	0.001	-0.007838	ug/L
Bi	209	319437.732	319437.732		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	481598.656	481598.656		ug/L
Be	9	0.000	-0.000	0.001142	ug/L
V	51	2501.640	-0.000	-0.003488	ug/L
Cr	52	7258.758	-0.001	-0.033884	ug/L
Cr	53	235.006	0.000	0.086388	ug/L
Co	59	67.001	-0.000	-0.001334	ug/L
Cu	63	861.081	0.000	0.008802	ug/L
Cu	65	398.016	-0.000	0.001845	ug/L
Zn	66	223.006	0.000	-0.002288	ug/L
Zn	68	325.011	-0.000	-0.043884	ug/L
Ge	72	266199.013	266199.013		ug/L
As	75	199.881	-0.000	-0.013888	ug/L
Se	77	91.001	0.000	-0.156317	ug/L
Se	82	48.537	0.000	0.128886	ug/L
Rh	103	320236.287	320236.287		ug/L
Ag	107	53.001	0.000	0.005060	ug/L
Cd	111	6.210	0.000	0.002152	ug/L
Cd	114	22.291	0.000	0.003384	ug/L

Sample ID: 0B12045-CCB
Report Date/Time: Friday, February 12, 2010 19:03:53

[>	In	115	238482.328	238482.328		ug/L
[	Sb	121	1340.138	0.008	0.188388	ug/L
[	Sb	123	1021.328	0.004	0.188968	ug/L
[	Tl	203	66.001	0.000	0.001849	ug/L
[	Tl	205	158.003	0.000	0.001544	ug/L
[	Pb	208	563.016	0.001	-0.007181	ug/L
[>	Bi	209	323298.008	323298.008		ug/L

Sample Information

Sample ID: 1000975-BLK1
Autosampler Position: 17
Sample Date/Time: Friday, February 12, 2010 19:05:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\1000975-BLK1.017
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	497710.995	497710.995				ug/L
	Be	9	1.000	0.000	0.002366	0.003	147.286	ug/L
	V	51	2493.447	-0.000	-0.003411	0.003	85.141	ug/L
	Cr	52	7547.394	0.000	0.007277	0.019	259.981	ug/L
	Cr	53	266.341	0.000	0.102159	0.017	16.425	ug/L
	Co	59	58.001	-0.000	-0.002281	0.001	25.355	ug/L
	Cu	63	843.725	0.000	0.005687	0.001	20.857	ug/L
	Cu	65	363.680	-0.000	-0.015814	0.005	33.630	ug/L
	Zn	66	144.003	-0.000	-0.066027	0.009	13.101	ug/L
	Zn	68	300.676	-0.000	-0.068653	0.016	22.805	ug/L
>	Ge	72	264272.461	264272.461				ug/L
	As	75	183.116	-0.000	-0.024485	0.020	82.371	ug/L
	Se	77	122.669	0.000	0.116644	0.060	51.432	ug/L
	Se	82	41.045	0.000	0.078582	0.038	48.972	ug/L
>	Rh	103	327692.604	327692.604				ug/L
	Ag	107	40.667	0.000	0.003501	0.001	18.966	ug/L
	Cd	111	2.250	0.000	0.000127	0.003	2314.382	ug/L
	Cd	114	21.114	0.000	0.003047	0.000	10.482	ug/L
>	In	115	242846.574	242846.574				ug/L
	Sb	121	923.069	0.003	0.122362	0.006	5.282	ug/L
	Sb	123	671.910	0.002	0.120737	0.002	2.022	ug/L
	Tl	203	67.001	0.000	0.002054	0.001	47.337	ug/L
	Tl	205	129.002	0.000	0.000227	0.001	405.297	ug/L
	Pb	208	620.350	-0.000	-0.005325	0.001	15.288	ug/L
>	Bi	209	318195.599	318195.599				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	98.467
	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	96.440
	As	74.922	
	Se	76.920	

Se	81.917		
Rh	102.905	94.407	
Ag	106.905		
Cd	110.904		
Cd	113.904		
In	114.904	95.530	
Sb	120.904		
Sb	122.904		
Tl	202.972		
Tl	204.975		
Pb	207.977		
Bi	208.980	97.360	

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	487127.511	487127.511		ug/L
Be	9	1.000	0.000	0.002412	ug/L
V	51	2499.649	-0.000	-0.005289	ug/L
Cr	52	7586.104	0.000	0.000175	ug/L
Cr	53	270.008	0.000	0.102800	ug/L
Co	59	53.001	-0.000	-0.002898	ug/L
Cu	63	850.059	0.000	0.004723	ug/L
Cu	65	357.012	-0.000	-0.020864	ug/L
Zn	66	137.003	-0.000	-0.073136	ug/L
Zn	68	302.009	-0.000	-0.071388	ug/L
Ge	72	267588.106	267588.106		ug/L
As	75	214.302	-0.000	-0.005668	ug/L
Se	77	116.002	0.000	0.047374	ug/L
Se	82	41.717	0.000	0.078324	ug/L
Rh	103	322291.772	322291.772		ug/L
Ag	107	46.001	0.000	0.004196	ug/L
Cd	111	-3.461	-0.000	-0.002700	ug/L
Cd	114	19.450	0.000	0.002774	ug/L
In	115	249237.506	249237.506		ug/L
Sb	121	908.087	0.003	0.116527	ug/L
Sb	123	684.882	0.002	0.119734	ug/L
Tl	203	72.001	0.000	0.002712	ug/L
Tl	205	148.003	0.000	0.001284	ug/L
Pb	208	617.016	-0.000	-0.005468	ug/L
Bi	209	318366.446	318366.446		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	498775.256	498775.256		ug/L
Be	9	2.000	0.000	0.005627	ug/L
V	51	2496.875	-0.000	-0.003461	ug/L
Cr	52	7448.983	-0.002	-0.007084	ug/L
Cr	53	281.008	0.000	0.118714	ug/L
Co	59	53.001	-0.000	-0.001749	ug/L
Cu	63	843.058	0.000	0.006328	ug/L
Cu	65	363.013	-0.000	-0.018334	ug/L
Zn	66	156.003	-0.000	0.056298	ug/L
Zn	68	286.009	-0.000	0.062777	ug/L
Ge	72	264552.690	264552.690		ug/L
As	75	187.887	-0.000	-0.021516	ug/L
Se	77	127.002	0.000	0.151866	ug/L
Se	82	34.686	0.000	0.036733	ug/L
Rh	103	325849.907	325849.907		ug/L
Ag	107	35.000	0.000	0.002873	ug/L
Cd	111	8.348	0.000	0.003156	ug/L
Cd	114	22.704	0.000	0.003388	ug/L
In	115	238838.873	238838.873		ug/L
Sb	121	900.086	0.003	0.121066	ug/L
Sb	123	652.407	0.002	0.118966	ug/L
Tl	203	59.001	0.000	0.000937	ug/L
Tl	205	119.002	-0.000	0.000373	ug/L
Pb	208	646.016	-0.000	-0.004449	ug/L
Bi	209	320182.114	320182.114		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	509230.216	509230.216		ug/L
Be	9	0.000	0.000	0.001142	ug/L
V	51	2464.918	-0.000	-0.000482	ug/L
Cr	52	7608.126	0.001	0.029720	ug/L
Cr	53	248.007	0.000	0.085164	ug/L
Co	59	58.001	-0.000	-0.002196	ug/L
Cu	63	838.056	0.000	0.007011	ug/L
Cu	65	371.013	-0.000	-0.010256	ug/L
Zn	66	139.003	-0.000	-0.068560	ug/L
Zn	68	312.010	-0.000	-0.061816	ug/L
Ge	72	260866.588	260866.588		ug/L
As	75	147.388	-0.000	-0.045674	ug/L
Se	77	126.002	0.000	0.150703	ug/L
Se	82	46.733	0.000	0.118697	ug/L
Rh	103	334938.133	334938.133		ug/L
Ag	107	41.001	0.000	0.003436	ug/L
Cd	111	1.663	-0.000	-0.000075	ug/L
Cd	114	21.186	0.000	0.002988	ug/L

: 00427

In						
Sb	115					
Sb	121	240482.543				
Tl	123	980.074	240482.543			
Tl	203	678.881	0.004			
Pb	205	70.001	0.002	0.129384	ug/L	
Bi	209	120.003	0.000	0.123638	ug/L	
		588.518	-0.000	0.002514	ug/L	
		318058.236	-0.000	-0.000231	ug/L	
			318058.236	-0.008087	ug/L	
					ug/L	
					ug/L	

Sample ID: 1000975-BLK1
Report Date/Time: Friday, February 12, 2010 19:07:45
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Sample Information

Sample ID: 1000975-BS1
Autosampler Position: 18
Sample Date/Time: Friday, February 12, 2010 19:09:26
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\1000975-BS1.018
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	469797.409	469797.409				ug/L
	Be	9	3149.059	0.007	11.604942	0.334	2.882	ug/L
	V	51	98177.831	0.349	10.528506	0.075	0.714	ug/L
	Cr	52	90945.140	0.304	10.428818	0.480	4.607	ug/L
	Cr	53	10336.579	0.037	11.220998	0.187	1.664	ug/L
	Co	59	106843.230	0.390	11.152073	0.169	1.517	ug/L
	Cu	63	50707.193	0.182	10.827269	0.247	2.280	ug/L
	Cu	65	25277.571	0.091	10.781891	0.251	2.325	ug/L
	Zn	66	13852.561	0.050	10.703306	0.038	0.351	ug/L
	Zn	68	10285.172	0.036	10.337206	0.409	3.958	ug/L
>	Ge	72	274060.860	274060.860				ug/L
	As	75	16136.531	0.058	9.867872	0.270	2.738	ug/L
	Se	77	1344.473	0.004	10.087464	0.656	6.503	ug/L
	Se	82	1632.585	0.006	9.354275	0.812	8.683	ug/L
>	Rh	103	304464.501	304464.501				ug/L
	Ag	107	86682.073	0.285	10.666159	0.193	1.808	ug/L
	Cd	111	21607.376	0.071	11.429523	0.351	3.068	ug/L
	Cd	114	48981.893	0.161	10.764347	0.046	0.424	ug/L
>	In	115	252266.690	252266.690				ug/L
	Sb	121	67290.847	0.266	9.827272	0.506	5.146	ug/L
	Sb	123	50695.042	0.201	10.088798	0.209	2.073	ug/L
	Tl	203	88835.359	0.259	10.958654	0.245	2.239	ug/L
	Tl	205	198344.889	0.577	10.269896	0.327	3.183	ug/L
	Pb	208	281147.039	0.817	10.459573	0.521	4.982	ug/L
>	Bi	209	343572.324	343572.324				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	92.945
	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	100.012
	As	74.922	
	Se	76.920	

	Se	81.917	
>	Rh	102.905	87.715
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	99.235
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	105.125

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	464861.927	464861.927		ug/L
Be	9	3212.784	0.007	11.982003	ug/L
V	51	98912.706	0.347	10.471235	ug/L
Cr	52	88874.371	0.292	10.023794	ug/L
Cr	53	10321.556	0.037	11.080410	ug/L
Co	59	108492.022	0.383	10.973456	ug/L
Cu	63	50638.671	0.179	10.649833	ug/L
Cu	65	24962.758	0.088	10.502361	ug/L
Zn	66	14088.014	0.050	10.748684	ug/L
Zn	68	10188.377	0.036	10.108408	ug/L
Ge	72	277561.778	277561.778		ug/L
As	75	15980.281	0.057	9.630910	ug/L
Se	77	1295.130	0.004	9.542983	ug/L
Se	82	1505.749	0.005	9.496360	ug/L
Rh	103	304311.143	304311.143		ug/L
Ag	107	87404.384	0.287	10.780158	ug/L
Cd	111	22297.281	0.073	11.600099	ug/L
Cd	114	48800.606	0.160	10.729916	ug/L
In	115	254933.078	254933.078		ug/L
Sb	121	84338.072	0.252	9.293302	ug/L
Sb	123	50668.932	0.166	9.956184	ug/L
Tl	203	90763.928	0.254	10.772800	ug/L
Tl	206	200222.419	0.561	9.971948	ug/L
Pb	208	278775.221	0.779	9.970056	ug/L
Bi	209	356880.663	356880.663		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	462992.798	462992.798		ug/L
Be	9	3080.899	0.007	11.553729	ug/L
V	51	98398.278	0.348	10.500845	ug/L
Cr	52	90407.446	0.300	10.302966	ug/L
Cr	53	10671.923	0.038	11.425875	ug/L
Co	59	107564.930	0.390	11.172799	ug/L
Cu	63	50479.217	0.180	10.722638	ug/L
Cu	65	25575.883	0.091	10.666877	ug/L
Zn	66	13892.636	0.050	10.583582	ug/L
Zn	68	10103.241	0.036	10.063630	ug/L
Ge	72	275356.946	275356.946		ug/L
As	75	16124.796	0.058	9.810588	ug/L
Se	77	1329.137	0.004	9.903730	ug/L
Se	82	1658.089	0.006	9.458110	ug/L
Rh	103	303799.014	303799.014		ug/L
Ag	107	87531.833	0.288	10.794030	ug/L
Cd	111	21478.027	0.071	11.386663	ug/L
Cd	114	49108.781	0.162	10.818052	ug/L
In	115	251707.132	251707.132		ug/L
Sb	121	87588.945	0.298	9.888808	ug/L
Sb	123	50050.616	0.198	9.981449	ug/L
Tl	203	88304.361	0.258	10.668415	ug/L
Tl	205	197884.583	0.574	10.218186	ug/L
Pb	208	280481.819	0.812	10.401337	ug/L
Bi	209	344220.348	344220.348		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	481547.502	481547.502		ug/L
Be	9	3143.723	0.007	11.299088	ug/L
V	51	97224.610	0.352	10.613836	ug/L
Cr	52	93553.603	0.318	10.956709	ug/L
Cr	53	10118.280	0.037	11.176710	ug/L
Co	59	108472.737	0.398	11.309988	ug/L
Cu	63	51108.990	0.187	11.109236	ug/L
Cu	65	25303.884	0.092	10.988844	ug/L
Zn	66	13580.033	0.050	10.679872	ug/L
Zn	68	10653.887	0.038	10.606582	ug/L
Ge	72	269280.854	269280.854		ug/L
As	75	16324.617	0.060	10.162108	ug/L
Se	77	1408.153	0.005	10.815899	ug/L
Se	82	1732.837	0.006	10.111384	ug/L
Rh	103	305283.347	305283.347		ug/L
Ag	107	85109.902	0.279	10.444288	ug/L
Cd	111	21046.821	0.069	11.102808	ug/L
Cd	114	49035.042	0.161	10.747074	ug/L

Sample ID: 1000975-BS1
Report Date/Time: Friday, February 12, 2010 19:11:20

I>	In	115	250158.881	250158.881		ug/L
I	Sb	121	60946.525	0.279	10.298908	ug/L
I	Sb	123	51478.579	0.205	10.229781	ug/L
I	Tl	203	67437.789	0.255	11.238748	ug/L
I	Tl	205	196827.988	0.587	10.618577	ug/L
I	Pb	208	284184.077	0.880	11.007227	ug/L
I>	Bi	209	329818.979	329818.979		ug/L

Sample ID: 1000975-BS1
Report Date/Time: Friday, February 12, 2010 19:11:20

Sample Information

Sample ID: 1002041-01
Autosampler Position: 19
Sample Date/Time: Friday, February 12, 2010 19:15:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\1002041-01.019
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

DW

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	467271.310	467271.310				ug/L
⌊	Be	9	1.000	0.000	0.002592	0.004	143.496	ug/L
⌈	V	51	2758.403	0.000	0.013786	0.007	52.203	ug/L
|	Cr	52	7851.063	0.000	0.004368	0.032	733.152	ug/L
|	Cr	53	381.014	0.001	0.215653	0.010	4.540	ug/L
|	Co	59	554.694	0.002	0.049059	0.004	8.906	ug/L
|	Cu	63	1593.861	0.003	0.159791	0.011	6.805	ug/L
|	Cu	65	498.689	0.000	0.035619	0.005	13.930	ug/L
|	Zn	66	660.037	0.002	0.332350	0.004	1.231	ug/L
|	Zn	68	1432.158	0.004	1.091453	0.032	2.968	ug/L
|>	Ge	72	275634.499	275634.499				ug/L
|	As	75	1229.278	0.004	0.615613	0.053	8.627	ug/L
|	Se	77	146.336	0.000	0.266601	0.077	29.044	ug/L
⌊	Se	82	55.995	0.000	0.155790	0.118	76.044	ug/L
⌈>	Rh	103	302113.139	302113.139				ug/L
|	Ag	107	236.006	0.001	0.028009	0.007	23.626	ug/L
|	Cd	111	-0.627	-0.000	-0.001375	0.004	314.599	ug/L
⌊	Cd	114	5.964	0.000	0.000091	0.003	2967.539	ug/L
⌈>	In	115	247621.676	247621.676				ug/L
|	Sb	121	1425.824	0.005	0.194817	0.024	12.298	ug/L
⌊	Sb	123	1127.931	0.004	0.210973	0.024	11.368	ug/L
⌈	Tl	203	77.001	0.000	0.002800	0.001	18.657	ug/L
|	Tl	205	181.004	0.000	0.002557	0.001	28.795	ug/L
|	Pb	208	781.691	-0.000	-0.000618	0.001	131.372	ug/L
⌊>	Bi	209	337362.520	337362.520				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	92.445
⌊	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	100.587
|	As	74.922	
|	Se	76.920	

Se	81.917		
Rh	102.905	87.037	
Ag	106.905		
Cd	110.904		
Cd	113.904		
In	114.904	97.408	
Sb	120.904		
Sb	122.904		
Tl	202.972		
Tl	204.975		
Pb	207.977		
Bi	208.980	103.225	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	476340.081	476340.081		ug/L
Be	9	0.000	0.000	-0.001142	ug/L
V	51	2644.562	0.000	0.005858	ug/L
Cr	52	7518.030	-0.001	-0.022447	ug/L
Cr	53	374.014	0.001	0.214342	ug/L
Co	59	568.028	0.002	0.061336	ug/L
Cu	63	1584.191	0.003	0.162884	ug/L
Cu	65	498.029	0.000	0.037788	ug/L
Zn	66	648.038	0.002	0.330827	ug/L
Zn	68	1438.168	0.004	1.121588	ug/L
Ge	72	271432.804	271432.804		ug/L
As	75	1138.213	0.003	0.871252	ug/L
Se	77	156.000	0.000	0.356089	ug/L
Se	82	75.710	0.000	0.275898	ug/L
Rh	103	310482.884	310482.884		ug/L
Ag	107	301.008	0.001	0.036171	ug/L
Cd	111	8.824	0.000	0.003808	ug/L
Cd	114	2.529	0.000	-0.001831	ug/L
In	115	241986.650	241986.650		ug/L
Sb	121	1563.187	0.006	0.220413	ug/L
Sb	123	1227.488	0.005	0.236702	ug/L
Tl	203	80.001	0.000	0.003130	ug/L
Tl	205	198.008	0.000	0.003408	ug/L
Pb	208	802.025	0.000	0.000012	ug/L
Bi	209	338952.117	338952.117		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	480130.400	480130.400		ug/L
Be	9	1.000	0.000	0.002620	ug/L
V	51	2799.742	0.001	0.015582	ug/L
Cr	52	7861.381	-0.000	-0.004278	ug/L
Cr	53	384.018	0.001	0.228034	ug/L
Co	59	511.023	0.002	0.044021	ug/L
Cu	63	1650.207	0.003	0.168711	ug/L
Cu	65	490.022	0.000	0.029946	ug/L
Zn	66	672.038	0.002	0.336983	ug/L
Zn	68	1412.154	0.004	1.057183	ug/L
Ge	72	278156.252	278156.252		ug/L
As	75	1216.317	0.004	0.601123	ug/L
Se	77	142.003	0.000	0.220186	ug/L
Se	82	36.341	0.000	0.038998	ug/L
Rh	103	299617.806	299617.806		ug/L
Ag	107	223.008	0.001	0.026736	ug/L
Cd	111	4.771	-0.000	-0.003635	ug/L
Cd	114	0.852	-0.000	-0.001074	ug/L
In	115	249578.418	249578.418		ug/L
Sb	121	1414.154	0.005	0.191113	ug/L
Sb	123	1118.586	0.004	0.208082	ug/L
Tl	203	72.001	0.000	0.002188	ug/L
Tl	205	173.004	0.000	0.002162	ug/L
Pb	208	787.024	-0.000	-0.000332	ug/L
Bi	209	336428.904	336428.904		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	465343.438	465343.438		ug/L
Be	9	2.000	0.000	0.006298	ug/L
V	51	2830.908	0.001	0.019907	ug/L
Cr	52	8183.787	0.001	0.039530	ug/L
Cr	53	375.014	0.001	0.205583	ug/L
Co	59	585.030	0.002	0.051820	ug/L
Cu	63	1547.183	0.002	0.147878	ug/L
Cu	65	510.023	0.000	0.039152	ug/L
Zn	66	680.037	0.002	0.329241	ug/L
Zn	68	1445.161	0.004	1.095609	ug/L
Ge	72	277314.442	277314.442		ug/L
As	75	1332.304	0.004	0.674464	ug/L
Se	77	142.003	0.000	0.223648	ug/L
Se	82	55.938	0.000	0.152502	ug/L
Rh	103	298228.718	298228.718		ug/L
Ag	107	184.004	0.001	0.022122	ug/L
Cd	111	-5.834	-0.000	-0.004197	ug/L
Cd	114	19.668	0.000	0.003178	ug/L

I>	In	115	251317.760	251317.760		ug/L
I	Sb	121	1300.131	0.006	0.172926	ug/L
I	Sb	123	1037.708	0.004	0.138236	ug/L
I	Tl	203	79.001	0.000	0.003071	ug/L
I	Tl	205	172.004	0.000	0.002102	ug/L
I	Pb	208	756.023	-0.000	-0.001536	ug/L
I>	Bi	209	338708.940	338708.940		ug/L

Sample ID: 1002041-01
Report Date/Time: Friday, February 12, 2010 19:17:15

Sample Information

Sample ID: 1000975-MS1
Autosampler Position: 20
Sample Date/Time: Friday, February 12, 2010 19:18:56
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\1000975-MS1.020
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	514932.389	514932.389				ug/L
	Be	9	2969.981	0.006	9.985453	0.310	3.100	ug/L
	V	51	98634.484	0.374	11.297371	0.283	2.509	ug/L
	Cr	52	90483.703	0.324	11.111556	0.363	3.266	ug/L
	Cr	53	9658.623	0.037	11.178311	0.305	2.727	ug/L
	Co	59	96810.027	0.376	10.769673	0.093	0.859	ug/L
	Cu	63	49853.542	0.191	11.355555	0.243	2.141	ug/L
	Cu	65	23730.966	0.091	10.785353	0.283	2.620	ug/L
	Zn	66	13656.181	0.052	11.260278	0.336	2.984	ug/L
	Zn	68	11554.788	0.044	12.453743	0.224	1.797	ug/L
>	Ge	72	257099.943	257099.943				ug/L
	As	75	17992.481	0.069	11.755229	0.352	2.997	ug/L
	Se	77	1293.797	0.005	10.364242	0.390	3.767	ug/L
	Se	82	1671.486	0.006	10.220279	0.534	5.223	ug/L
>	Rh	103	316891.057	316891.057				ug/L
	Ag	107	65367.884	0.206	7.728124	0.245	3.167	ug/L
	Cd	111	20665.727	0.065	10.502530	0.108	1.026	ug/L
	Cd	114	50898.883	0.161	10.747282	0.103	0.957	ug/L
>	In	115	232147.668	232147.668				ug/L
	Sb	121	73347.543	0.315	11.638674	0.168	1.440	ug/L
	Sb	123	54182.267	0.233	11.720421	0.184	1.570	ug/L
	Tl	203	80983.642	0.259	10.983579	0.087	0.794	ug/L
	Tl	205	207313.557	0.663	11.800606	0.259	2.192	ug/L
	Pb	208	276009.956	0.881	11.284260	0.221	1.960	ug/L
>	Bi	209	312334.478	312334.478				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	101.874
	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	93.823
	As	74.922	
	Se	76.920	

: 00435

	Se	81.917	
>	Rh	102.905	91.295
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	91.321
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	95.567

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	507393.125	507393.125		ug/L
Be	9	3030.673	0.006	10.337821	ug/L
V	51	97643.522	0.386	11.013832	ug/L
Cr	52	83411.763	0.330	11.325998	ug/L
Cr	53	9498.407	0.038	10.827539	ug/L
Co	59	98418.371	0.377	10.791283	ug/L
Cu	63	49383.616	0.188	11.080617	ug/L
Cu	65	24686.841	0.093	11.088580	ug/L
Zn	66	13402.686	0.051	10.883680	ug/L
Zn	68	11507.377	0.043	12.215830	ug/L
Ge	72	260846.000	260846.000		ug/L
As	75	17714.734	0.067	11.400343	ug/L
Se	77	1298.131	0.005	10.239587	ug/L
Se	82	1586.869	0.006	9.604219	ug/L
Rh	103	318884.301	318884.301		ug/L
Ag	107	63879.227	0.200	7.465868	ug/L
Cd	111	20847.109	0.065	10.434827	ug/L
Cd	114	50830.881	0.159	10.630858	ug/L
In	115	234615.735	234615.735		ug/L
Sb	121	75345.046	0.321	11.831113	ug/L
Sb	123	54189.947	0.231	11.567188	ug/L
Tl	203	61361.907	0.256	10.870420	ug/L
Tl	205	204088.049	0.648	11.542700	ug/L
Pb	208	278630.952	0.884	11.319086	ug/L
Bi	209	314288.801	314288.801		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	512073.082	512073.082		ug/L
Be	9	2917.625	0.006	9.881198	ug/L
V	51	98378.848	0.374	11.297537	ug/L
Cr	52	91738.256	0.329	11.316183	ug/L
Cr	53	9803.821	0.036	11.379438	ug/L
Co	59	95830.881	0.373	10.668283	ug/L
Cu	63	50104.616	0.192	11.444180	ug/L
Cu	65	23984.372	0.091	10.787873	ug/L
Zn	66	13749.358	0.053	11.367815	ug/L
Zn	68	11708.706	0.044	12.660075	ug/L
Ge	72	256377.480	256377.480		ug/L
As	75	17964.373	0.068	11.780388	ug/L
Se	77	1340.139	0.005	10.801787	ug/L
Se	82	1719.860	0.007	10.546481	ug/L
Rh	103	315787.801	315787.801		ug/L
Ag	107	65088.864	0.206	7.723082	ug/L
Cd	111	20482.431	0.066	10.446256	ug/L
Cd	114	51091.158	0.162	10.825928	ug/L
In	115	232658.423	232658.423		ug/L
Sb	121	72787.708	0.312	11.525237	ug/L
Sb	123	53809.781	0.231	11.632183	ug/L
Tl	203	60658.662	0.261	11.076882	ug/L
Tl	205	209266.242	0.678	12.080129	ug/L
Pb	208	277918.268	0.897	11.487881	ug/L
Bi	209	308452.254	308452.254		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	525330.980	525330.980		ug/L
Be	9	2981.643	0.006	9.757338	ug/L
V	51	99880.086	0.384	11.580744	ug/L
Cr	52	86301.079	0.311	10.682487	ug/L
Cr	53	9672.641	0.037	11.227856	ug/L
Co	59	95380.848	0.378	10.849472	ug/L
Cu	63	50072.393	0.194	11.541966	ug/L
Cu	65	22838.985	0.088	10.601536	ug/L
Zn	66	13816.486	0.054	11.529339	ug/L
Zn	68	11448.281	0.044	12.486328	ug/L
Ge	72	254078.368	254078.368		ug/L
As	75	18308.336	0.071	12.104980	ug/L
Se	77	1243.121	0.004	10.061342	ug/L
Se	82	1698.640	0.007	10.510156	ug/L
Rh	103	316241.088	316241.088		ug/L
Ag	107	67325.472	0.213	7.975322	ug/L
Cd	111	20867.841	0.066	10.625806	ug/L
Cd	114	50974.612	0.161	10.785082	ug/L

[illegible]	In	115	229188.946	229188.946		ug/L
[illegible]	Sb	121	71906.879	0.313	11.556873	ug/L
[illegible]	Sb	123	54467.086	0.237	11.931882	ug/L
[illegible]	Tl	203	80800.389	0.257	10.603884	ug/L
[illegible]	Tl	205	208806.378	0.663	11.788888	ug/L
[illegible]	Pb	208	271983.662	0.863	11.046884	ug/L
[illegible]	Bi	209	314282.379	314282.379		ug/L

Sample ID: 1000975-MS1
Report Date/Time: Friday, February 12, 2010 19:20:50

Sample Information

Sample ID: 1000975-MSD1
Autosampler Position: 21
Sample Date/Time: Friday, February 12, 2010 19:24:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\1000975-MSD1.021
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	498391.032	498391.032				ug/L
⌊	Be	9	3145.724	0.006	10.933415	0.490	4.486	ug/L
⌈	V	51	97651.339	0.362	10.931993	0.223	2.042	ug/L
|	Cr	52	92117.539	0.322	11.066911	0.287	2.590	ug/L
|	Cr	53	9749.749	0.036	11.033216	0.114	1.037	ug/L
|	Co	59	100639.085	0.383	10.951286	0.213	1.944	ug/L
|	Cu	63	48352.332	0.181	10.765484	0.390	3.619	ug/L
|	Cu	65	24053.683	0.090	10.695211	0.133	1.241	ug/L
|	Zn	66	13552.982	0.051	10.925644	0.195	1.786	ug/L
|	Zn	68	11210.906	0.041	11.801949	0.392	3.323	ug/L
|>	Ge	72	262803.148	262803.148				ug/L
|	As	75	17665.492	0.066	11.285304	0.409	3.623	ug/L
|	Se	77	1349.141	0.005	10.596563	0.754	7.118	ug/L
⌊	Se	82	1716.510	0.006	10.268211	0.628	6.116	ug/L
⌈>	Rh	103	307468.072	307468.072				ug/L
|	Ag	107	74624.580	0.243	9.094988	0.144	1.581	ug/L
|	Cd	111	20730.648	0.067	10.865153	0.396	3.649	ug/L
⌊	Cd	114	49630.018	0.161	10.802982	0.154	1.423	ug/L
⌈>	In	115	242435.235	242435.235				ug/L
|	Sb	121	73046.698	0.301	11.105569	0.391	3.524	ug/L
⌊	Sb	123	53347.007	0.220	11.053012	0.325	2.942	ug/L
⌈	Tl	203	81969.358	0.258	10.929050	0.065	0.596	ug/L
|	Tl	205	196973.442	0.620	11.032864	0.605	5.480	ug/L
|	Pb	208	276261.883	0.868	11.108875	0.364	3.280	ug/L
⌊>	Bi	209	317737.241	317737.241				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	98.602
⌊	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	95.904
|	As	74.922	
|	Se	76.920	

Se	81.917		
Rh	102.905	88.580	
Ag	106.905		
Cd	110.904		
Cd	113.904		
In	114.904	95.368	
Sb	120.904		
Sb	122.904		
Tl	202.972		
Tl	204.975		
Pb	207.977		
Bi	208.980	97.220	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	483419.862	483419.862		ug/L
Be	9	3203.750	0.007	11.470263	ug/L
V	51	97021.290	0.356	10.739356	ug/L
Cr	52	90568.736	0.313	10.736379	ug/L
Cr	53	9970.063	0.037	11.165338	ug/L
Co	59	103634.421	0.380	11.158639	ug/L
Cu	63	46878.804	0.173	10.316886	ug/L
Cu	65	24384.788	0.090	10.727912	ug/L
Zn	66	13808.888	0.050	10.771082	ug/L
Zn	68	10813.440	0.040	11.348403	ug/L
Ge	72	265634.788	265634.788		ug/L
As	75	17176.768	0.064	10.648067	ug/L
Se	77	1261.124	0.004	9.725778	ug/L
Se	82	1643.191	0.006	9.711997	ug/L
Rh	103	297774.038	297774.038		ug/L
Ag	107	73612.100	0.247	9.261006	ug/L
Cd	111	20777.810	0.070	11.237374	ug/L
Cd	114	48867.662	0.164	10.980613	ug/L
In	115	248807.629	248807.629		ug/L
Sb	121	72108.827	0.289	10.874863	ug/L
Sb	123	53154.187	0.213	10.725269	ug/L
Tl	203	84962.333	0.286	10.887014	ug/L
Tl	205	191915.938	0.581	10.340854	ug/L
Pb	208	275314.464	0.835	10.883083	ug/L
Bi	209	329879.741	329879.741		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	500068.458	500068.458		ug/L
Be	9	3126.715	0.008	10.621086	ug/L
V	51	97075.863	0.360	10.879983	ug/L
Cr	52	93085.781	0.328	11.271600	ug/L
Cr	53	9875.646	0.036	10.984084	ug/L
Co	59	100584.261	0.383	10.982051	ug/L
Cu	63	49306.709	0.186	11.015206	ug/L
Cu	65	24288.403	0.091	10.808663	ug/L
Zn	66	13436.786	0.060	10.881002	ug/L
Zn	68	11391.190	0.042	12.012852	ug/L
Ge	72	262436.720	262436.720		ug/L
As	75	17744.661	0.067	11.349775	ug/L
Se	77	1400.151	0.005	11.044043	ug/L
Se	82	1894.269	0.008	10.143449	ug/L
Rh	103	310323.776	310323.776		ug/L
Ag	107	74670.008	0.241	9.014184	ug/L
Cd	111	21022.519	0.068	10.909841	ug/L
Cd	114	49662.587	0.160	10.712129	ug/L
In	115	241581.279	241581.279		ug/L
Sb	121	73467.622	0.304	11.202285	ug/L
Sb	123	53211.623	0.220	11.058158	ug/L
Tl	203	80886.208	0.258	10.946370	ug/L
Tl	205	198866.740	0.636	11.296879	ug/L
Pb	208	278058.884	0.880	11.260803	ug/L
Bi	209	313001.942	313001.942		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	511656.775	511656.775		ug/L
Be	9	3108.707	0.008	10.508888	ug/L
V	51	98857.074	0.370	11.176629	ug/L
Cr	52	92187.122	0.326	11.189754	ug/L
Cr	53	9803.548	0.036	10.970227	ug/L
Co	59	97898.583	0.375	10.733199	ug/L
Cu	63	48780.467	0.184	10.964863	ug/L
Cu	65	23508.861	0.089	10.549137	ug/L
Zn	66	13892.248	0.062	11.144837	ug/L
Zn	68	11328.089	0.042	12.043581	ug/L
Ge	72	260337.956	260337.956		ug/L
As	75	18075.029	0.069	11.656081	ug/L
Se	77	1368.148	0.005	11.019887	ug/L
Se	82	1812.051	0.007	10.949186	ug/L
Rh	103	314308.402	314308.402		ug/L
Ag	107	75591.633	0.240	9.009793	ug/L
Cd	111	20381.516	0.066	10.448243	ug/L
Cd	114	50339.807	0.160	10.716303	ug/L

Sample ID: 1000975-MSD1
Report Date/Time: Friday, February 12, 2010 19:26:46

>	In	115	236808.797	236808.797		ug/L
	Sb	121	73586.834	0.310	11.438548	ug/L
	Sb	123	53875.202	0.226	11.375588	ug/L
	Tl	203	80488.536	0.258	10.983767	ug/L
	Tl	205	200048.648	0.644	11.458880	ug/L
	Pb	208	278411.481	0.888	11.372831	ug/L
>	Bi	209	310330.040	310330.040		ug/L

Sample ID: 1000975-MSD1
Report Date/Time: Friday, February 12, 2010 19:26:46

Sample Information

Sample ID: 0B12045-SRD1
Autosampler Position: 22
Sample Date/Time: Friday, February 12, 2010 19:30:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\0B12045-SRD1.022
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	515260.925	515260.925				ug/L
	Be	9	0.667	0.000	0.001122	0.002	174.862	ug/L
	V	51	2721.979	0.001	0.019958	0.002	10.445	ug/L
	Cr	52	8070.305	0.002	0.065916	0.012	17.631	ug/L
	Cr	53	302.676	0.000	0.140866	0.005	3.358	ug/L
	Co	59	172.671	0.000	0.009959	0.002	24.924	ug/L
	Cu	63	1058.422	0.001	0.051894	0.007	14.315	ug/L
	Cu	65	478.021	0.000	0.033728	0.012	36.164	ug/L
	Zn	66	249.340	0.000	0.018022	0.009	52.015	ug/L
	Zn	68	523.024	0.001	0.166744	0.023	14.024	ug/L
>	Ge	72	266604.198	266604.198				ug/L
	As	75	362.322	0.001	0.089123	0.040	45.364	ug/L
	Se	77	136.003	0.000	0.219069	0.066	30.354	ug/L
	Se	82	53.324	0.000	0.149998	0.102	68.066	ug/L
>	Rh	103	324822.260	324822.260				ug/L
	Ag	107	159.670	0.000	0.017287	0.002	13.167	ug/L
	Cd	111	0.012	-0.000	-0.000977	0.002	207.242	ug/L
	Cd	114	9.233	0.000	0.000630	0.001	117.114	ug/L
>	In	115	244216.564	244216.564				ug/L
	Sb	121	349.012	0.001	0.034833	0.003	9.623	ug/L
	Sb	123	250.795	0.001	0.033166	0.003	9.327	ug/L
	Tl	203	80.668	0.000	0.003895	0.001	23.289	ug/L
	Tl	205	184.004	0.000	0.003304	0.001	39.324	ug/L
	Pb	208	653.685	-0.000	-0.003939	0.001	21.454	ug/L
>	Bi	209	317802.428	317802.428				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	101.939
	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	97.291
	As	74.922	
	Se	76.920	

	Se	81.917	
>	Rh	102.905	93.580
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	96.069
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	97.240

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	498809.999	498809.999		ug/L
Be	9	1.000	0.000	0.002329	ug/L
V	51	2740.836	0.001	0.018760	ug/L
Cr	52	8158.739	0.002	0.066052	ug/L
Cr	53	305.010	0.000	0.139788	ug/L
Co	59	200.005	0.000	0.012677	ug/L
Cu	63	1085.099	0.001	0.067496	ug/L
Cu	65	456.019	0.000	0.021242	ug/L
Zn	66	252.007	0.000	0.018004	ug/L
Zn	68	547.026	0.001	0.180836	ug/L
Ge	72	269494.423	269494.423		ug/L
As	75	297.582	0.000	0.045589	ug/L
Se	77	141.003	0.000	0.248855	ug/L
Se	82	51.702	0.000	0.138758	ug/L
Rh	103	319817.170	319817.170		ug/L
Ag	107	177.004	0.001	0.019804	ug/L
Cd	111	-3.487	-0.000	-0.002734	ug/L
Cd	114	5.111	-0.000	0.000194	ug/L
In	115	251162.771	251162.771		ug/L
Sb	121	333.011	0.001	0.030887	ug/L
Sb	123	272.504	0.001	0.038145	ug/L
Tl	203	78.001	0.000	0.005323	ug/L
Tl	205	211.005	0.000	0.004691	ug/L
Pb	208	665.018	0.000	-0.004418	ug/L
Bi	209	324240.080	324240.080		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	521450.479	521450.479		ug/L
Be	9	1.000	0.000	0.002178	ug/L
V	51	2691.635	0.001	0.018748	ug/L
Cr	52	7921.469	0.002	0.054228	ug/L
Cr	53	308.010	0.000	0.146042	ug/L
Co	59	186.004	0.000	0.008388	ug/L
Cu	63	1013.082	0.001	0.043467	ug/L
Cu	65	476.021	0.000	0.034329	ug/L
Zn	66	238.006	0.000	0.008887	ug/L
Zn	68	531.026	0.001	0.179842	ug/L
Ge	72	284868.803	284868.803		ug/L
As	75	371.148	0.001	0.056282	ug/L
Se	77	126.002	0.000	0.142815	ug/L
Se	82	70.875	0.000	0.258071	ug/L
Rh	103	328850.258	328850.258		ug/L
Ag	107	180.003	0.000	0.017201	ug/L
Cd	111	4.479	0.000	0.001238	ug/L
Cd	114	10.348	0.000	0.000856	ug/L
In	115	245383.208	245383.208		ug/L
Sb	121	365.013	0.001	0.036933	ug/L
Sb	123	252.756	0.001	0.033386	ug/L
Tl	203	87.001	0.000	0.004941	ug/L
Tl	205	181.004	0.000	0.003330	ug/L
Pb	208	666.019	-0.000	-0.002983	ug/L
Bi	209	312129.994	312129.994		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	525622.298	525622.298		ug/L
Be	9	0.000	-0.000	-0.001142	ug/L
V	51	2733.467	0.001	0.022366	ug/L
Cr	52	8130.706	0.002	0.077470	ug/L
Cr	53	298.009	0.000	0.138787	ug/L
Co	59	152.003	0.000	0.007813	ug/L
Cu	63	1067.080	0.001	0.064720	ug/L
Cu	65	503.023	0.000	0.045814	ug/L
Zn	66	260.007	0.000	0.027406	ug/L
Zn	68	498.022	0.000	0.139754	ug/L
Ge	72	266861.369	266861.369		ug/L
As	75	418.238	0.001	0.125808	ug/L
Se	77	141.003	0.000	0.265638	ug/L
Se	82	37.398	0.000	0.088188	ug/L
Rh	103	326299.354	326299.354		ug/L
Ag	107	142.003	0.000	0.015056	ug/L
Cd	111	0.948	-0.000	-0.001438	ug/L
Cd	114	12.239	0.000	0.001230	ug/L

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[illegible]	In	115	238073.717	238073.717		ug/L
[illegible]	Sb	121	349.012	0.001	0.035598	ug/L
[illegible]	Sb	123	227.125	0.001	0.029870	ug/L
[illegible]	Tl	203	77.001	0.000	0.003421	ug/L
[illegible]	Tl	205	160.003	0.000	0.001982	ug/L
[illegible]	Pb	208	640.016	-0.000	0.004436	ug/L
[illegible]	Bi	209	317037.229	317037.229		ug/L

Sample ID: 0B12045-SRD1
Report Date/Time: Friday, February 12, 2010 19:32:43

Sample Information

Sample ID: 1000975-PS1
Autosampler Position: 23
Sample Date/Time: Friday, February 12, 2010 19:34:25
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\1000975-PS1.023
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	509775.850	509775.850				ug/L
	Be	9	5611.260	0.011	19.075678	0.880	4.615	ug/L
	V	51	179156.293	0.662	19.998658	0.371	1.857	ug/L
	Cr	52	164887.666	0.590	20.266008	0.453	2.237	ug/L
	Cr	53	17836.756	0.066	20.057089	0.196	0.976	ug/L
	Co	59	184118.287	0.690	19.751006	0.598	3.025	ug/L
	Cu	63	87962.570	0.327	19.445340	0.418	2.151	ug/L
	Cu	65	44709.325	0.166	19.740844	0.398	2.015	ug/L
	Zn	66	23496.151	0.087	18.796331	0.264	1.405	ug/L
	Zn	68	19042.881	0.070	20.018765	0.426	2.128	ug/L
>	Ge	72	266664.720	266664.720				ug/L
	As	75	31640.143	0.118	20.028024	0.667	3.332	ug/L
	Se	77	2271.717	0.008	18.190384	0.682	3.749	ug/L
	Se	82	3104.908	0.012	18.434796	0.778	4.220	ug/L
>	Rh	103	309877.711	309877.711				ug/L
	Ag	107	162939.972	0.526	19.704564	0.470	2.386	ug/L
	Cd	111	37447.240	0.121	19.464662	0.392	2.016	ug/L
	Cd	114	91013.043	0.294	19.658733	0.668	3.397	ug/L
>	In	115	238138.704	238138.704				ug/L
	Sb	121	119270.172	0.501	18.499436	1.375	7.434	ug/L
	Sb	123	86659.905	0.364	18.326753	1.582	8.631	ug/L
	Tl	203	151081.126	0.472	19.986887	0.389	1.945	ug/L
	Tl	205	362121.520	1.131	20.115773	0.946	4.703	ug/L
	Pb	208	502351.824	1.566	20.053702	0.569	2.837	ug/L
>	Bi	209	320418.302	320418.302				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.854
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.313
	As	74.922	
	Se	76.920	

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	Se	81.917	
>	Rh	102.905	89.274
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	93.678
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	98.040

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	480120.216	480120.216		ug/L
	Be	9	5674.230	0.011	19.685186	ug/L
	V	51	177260.217	0.648	19.570180	ug/L
	Cr	52	162879.765	0.576	19.783984	ug/L
	Cr	53	18017.876	0.066	20.044880	ug/L
	Co	59	191762.907	0.711	20.356242	ug/L
	Cu	63	87028.836	0.320	19.029882	ug/L
	Cu	65	45388.208	0.167	19.831172	ug/L
	Zn	66	23381.436	0.086	18.503186	ug/L
	Zn	68	19014.466	0.069	19.772866	ug/L
>	Ge	72	269504.803	269504.803		ug/L
	As	75	30842.968	0.114	19.308863	ug/L
	Se	77	2228.389	0.008	17.607822	ug/L
	Se	82	2988.447	0.011	17.549880	ug/L
>	Rh	103	306344.638	306344.638		ug/L
	Ag	107	160830.680	0.519	19.454046	ug/L
	Cd	111	38177.484	0.123	19.878086	ug/L
	Cd	114	56746.583	0.287	19.198330	ug/L
>	In	115	246856.819	246856.819		ug/L
	Sb	121	114492.437	0.463	17.094817	ug/L
	Sb	123	62488.646	0.334	18.788306	ug/L
	Tl	203	153501.371	0.464	19.871307	ug/L
	Tl	205	358536.583	1.084	19.280823	ug/L
	Pb	208	506220.505	1.526	19.532108	ug/L
>	Bi	209	330830.282	330830.282		ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	508613.886	508613.886		ug/L
	Be	9	5499.330	0.011	19.475536	ug/L
	V	51	180328.318	0.658	20.200463	ug/L
	Cr	52	167584.318	0.602	20.683884	ug/L
	Cr	53	17807.662	0.066	19.868738	ug/L
	Co	59	183258.802	0.680	19.731133	ug/L
	Cu	63	87642.274	0.327	19.439786	ug/L
	Cu	65	45322.788	0.168	20.086788	ug/L
	Zn	66	23686.445	0.088	19.015470	ug/L
	Zn	68	19434.587	0.072	20.510636	ug/L
>	Ge	72	265736.411	265736.411		ug/L
	As	75	31724.288	0.119	20.146240	ug/L
	Se	77	2244.376	0.008	18.022730	ug/L
	Se	82	3180.770	0.012	19.011449	ug/L
>	Rh	103	315687.606	315687.606		ug/L
	Ag	107	183580.513	0.518	19.412614	ug/L
	Cd	111	37429.735	0.119	19.084586	ug/L
	Cd	114	51320.561	0.286	19.356602	ug/L
>	In	115	240808.179	240808.179		ug/L
	Sb	121	121152.008	0.503	18.580380	ug/L
	Sb	123	67389.980	0.363	18.247074	ug/L
	Tl	203	150744.586	0.468	19.858236	ug/L
	Tl	205	360214.958	1.120	19.923074	ug/L
	Pb	208	502196.609	1.580	19.988780	ug/L
>	Bi	209	321475.173	321475.173		ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	532663.447	532663.447		ug/L
	Be	9	5560.219	0.010	18.086313	ug/L
	V	51	179660.344	0.670	20.225330	ug/L
	Cr	52	164218.920	0.582	20.330176	ug/L
	Cr	53	17884.641	0.067	20.257880	ug/L
	Co	59	177333.062	0.670	19.163642	ug/L
	Cu	63	86216.801	0.334	19.866350	ug/L
	Cu	65	43416.886	0.162	19.305484	ug/L
	Zn	66	23420.569	0.088	18.870338	ug/L
	Zn	68	18679.580	0.068	19.772984	ug/L
>	Ge	72	264753.846	264753.846		ug/L
	As	75	32363.183	0.121	20.627180	ug/L
	Se	77	2344.409	0.008	18.940809	ug/L
	Se	82	3134.507	0.012	18.743078	ug/L
>	Rh	103	304580.886	304580.886		ug/L
	Ag	107	164808.744	0.540	20.247032	ug/L
	Cd	111	36734.502	0.121	19.423307	ug/L
	Cd	114	52971.988	0.306	20.424268	ug/L

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[>	In	115	226952.314	226952.314		ug/L
[	Sb	121	122186.071	0.538	19.843111	ug/L
[	Sb	123	90101.111	0.387	19.946878	ug/L
[	Tl	203	146987.451	0.482	20.421118	ug/L
[	Tl	205	367813.017	1.188	21.143322	ug/L
[	Pb	208	499839.359	1.614	20.660250	ug/L
[>	Bi	209	309149.452	309149.452		ug/L

Sample ID: 1000975-PS1
Report Date/Time: Friday, February 12, 2010 19:36:19
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Sample Information

Sample ID: 1002041-02
Autosampler Position: 24
Sample Date/Time: Friday, February 12, 2010 19:40:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\1002041-02.024
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	483081.596	483081.596				ug/L
⌊	Be	9	1.000	0.000	0.002442	0.000	0.624	ug/L
⌈	V	51	2765.344	0.000	0.014267	0.003	22.295	ug/L
|	Cr	52	8136.715	0.001	0.039185	0.029	73.294	ug/L
|	Cr	53	327.677	0.001	0.156654	0.012	7.571	ug/L
|	Co	59	1012.415	0.003	0.096437	0.004	3.696	ug/L
|	Cu	63	1521.511	0.002	0.143919	0.021	14.697	ug/L
|	Cu	65	587.030	0.001	0.073395	0.012	16.215	ug/L
|	Zn	66	1025.084	0.003	0.616875	0.020	3.262	ug/L
|	Zn	68	1549.183	0.004	1.210867	0.020	1.678	ug/L
|>	Ge	72	275932.009	275932.009				ug/L
|	As	75	1597.870	0.005	0.842031	0.032	3.757	ug/L
|	Se	77	138.669	0.000	0.202973	0.115	56.691	ug/L
⌊	Se	82	79.445	0.000	0.290645	0.073	24.982	ug/L
⌈>	Rh	103	303075.152	303075.152				ug/L
|	Ag	107	248.007	0.001	0.029390	0.006	20.226	ug/L
|	Cd	111	10.978	0.000	0.004852	0.001	11.988	ug/L
⌊	Cd	114	9.864	0.000	0.000923	0.002	243.200	ug/L
⌈>	In	115	248745.338	248745.338				ug/L
|	Sb	121	1717.558	0.006	0.237016	0.022	9.419	ug/L
⌊	Sb	123	1377.017	0.005	0.260249	0.038	14.482	ug/L
⌈	Tl	203	70.334	0.000	0.002035	0.001	58.814	ug/L
|	Tl	205	144.336	0.000	0.000692	0.001	112.893	ug/L
|	Pb	208	703.687	-0.000	-0.003378	0.001	19.420	ug/L
⌊>	Bi	209	334780.973	334780.973				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.573
⌊	Be	9.012	
⌈	V	50.944	
|	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	100.695
|	As	74.922	
|	Se	76.920	

	Se	81.917	
>	Rh	102.905	87.315
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	97.850
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	102.435

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	484880.128	484880.128		ug/L
	Be	9	1.000	0.000	0.002430	ug/L
	V	51	2710.018	0.000	0.010872	ug/L
	Cr	52	8169.761	0.002	0.052988	ug/L
	Cr	53	327.011	0.001	0.158288	ug/L
	Co	59	984.075	0.003	0.092388	ug/L
	Cu	63	1620.200	0.003	0.166323	ug/L
	Cu	65	563.028	0.001	0.055317	ug/L
	Zn	66	1048.087	0.003	0.639036	ug/L
	Zn	68	1561.184	0.004	1.227788	ug/L
>	Ge	72	273388.708	273388.708		ug/L
	As	75	1532.662	0.006	0.810713	ug/L
	Se	77	153.003	0.000	0.330366	ug/L
	Se	82	88.786	0.000	0.354789	ug/L
>	Rh	103	312710.585	312710.585		ug/L
	Ag	107	308.010	0.001	0.035613	ug/L
	Cd	111	12.383	0.000	0.008412	ug/L
	Cd	114	17.380	0.000	0.001380	ug/L
>	In	115	248467.925	248467.925		ug/L
	Sb	121	1629.252	0.007	0.253538	ug/L
	Sb	123	1560.303	0.006	0.296367	ug/L
	Tl	203	80.001	0.000	0.000668	ug/L
	Tl	205	149.033	0.000	0.000572	ug/L
	Pb	208	708.021	0.000	0.003487	ug/L
>	Bi	209	337343.573	337343.573		ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	480788.560	480788.560		ug/L
	Be	9	1.000	0.000	0.002466	ug/L
	V	51	2791.587	0.000	0.014508	ug/L
	Cr	52	7941.492	0.000	0.008213	ug/L
	Cr	53	340.011	0.001	0.169089	ug/L
	Co	59	1046.087	0.003	0.098012	ug/L
	Cu	63	1477.187	0.002	0.130850	ug/L
	Cu	65	579.029	0.001	0.057807	ug/L
	Zn	66	1016.082	0.003	0.602886	ug/L
	Zn	68	1568.188	0.004	1.218483	ug/L
>	Ge	72	278338.068	278338.068		ug/L
	As	75	1610.587	0.006	0.841401	ug/L
	Se	77	128.002	0.000	0.108683	ug/L
	Se	82	88.475	0.000	0.211814	ug/L
>	Rh	103	301828.975	301828.975		ug/L
	Ag	107	243.007	0.001	0.029014	ug/L
	Cd	111	10.986	0.000	0.004881	ug/L
	Cd	114	-1.133	-0.000	-0.001518	ug/L
>	In	115	244760.366	244760.366		ug/L
	Sb	121	1750.232	0.007	0.246891	ug/L
	Sb	123	1379.140	0.005	0.264952	ug/L
	Tl	203	78.001	0.000	0.002878	ug/L
	Tl	205	130.002	-0.000	-0.000184	ug/L
	Pb	208	731.022	0.000	-0.002874	ug/L
>	Bi	209	339004.518	339004.518		ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	463798.102	463798.102		ug/L
	Be	9	1.000	0.000	0.002436	ug/L
	V	51	2794.447	0.001	0.017318	ug/L
	Cr	52	8299.901	0.002	0.058756	ug/L
	Cr	53	318.010	0.000	0.143705	ug/L
	Co	59	1027.094	0.003	0.097929	ug/L
	Cu	63	1470.188	0.002	0.132586	ug/L
	Cu	65	619.033	0.001	0.067052	ug/L
	Zn	66	1014.082	0.003	0.607803	ug/L
	Zn	68	1529.179	0.004	1.186329	ug/L
>	Ge	72	276091.291	276091.291		ug/L
	As	75	1650.391	0.006	0.873980	ug/L
	Se	77	135.003	0.000	0.171972	ug/L
	Se	82	82.093	0.000	0.306330	ug/L
>	Rh	103	294887.893	294887.893		ug/L
	Ag	107	199.008	0.001	0.023842	ug/L
	Cd	111	9.556	0.000	0.004291	ug/L
	Cd	114	-18.365	0.000	0.002908	ug/L

I>	In	115	253007.736	253007.738		ug/L
I	Sb	121	1574.189	0.009	0.211617	ug/L
I	Sb	123	1301.810	0.004	0.220428	ug/L
I	Tl	203	73.091	0.000	0.002583	ug/L
I	Tl	205	154.003	0.000	0.001387	ug/L
I	Pb	208	674.019	-0.000	-0.003872	ug/L
I>	Bi	209	327984.829	327984.829		ug/L

Sample Information

Sample ID: 1002041-03
Autosampler Position: 25
Sample Date/Time: Friday, February 12, 2010 19:43:58
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\1002041-03.025
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	499005.285	499005.285				ug/L
	Be	9	1.667	0.000	0.004631	0.007	155.107	ug/L
	V	51	3267.121	0.002	0.075145	0.006	7.894	ug/L
	Cr	52	8438.401	0.003	0.094498	0.047	49.771	ug/L
	Cr	53	388.014	0.001	0.229991	0.016	6.900	ug/L
	Co	59	594.364	0.002	0.054124	0.002	2.781	ug/L
	Cu	63	5614.262	0.018	1.046717	0.038	3.632	ug/L
	Cu	65	2638.180	0.008	0.975703	0.029	2.941	ug/L
	Zn	66	2425.770	0.008	1.740980	0.031	1.767	ug/L
	Zn	68	2506.131	0.008	2.245462	0.045	2.013	ug/L
>	Ge	72	271456.119	271456.119				ug/L
	As	75	556.380	0.001	0.206958	0.055	26.572	ug/L
	Se	77	149.003	0.000	0.307428	0.144	46.920	ug/L
	Se	82	55.158	0.000	0.155165	0.108	69.620	ug/L
>	Rh	103	292917.117	292917.117				ug/L
	Ag	107	109.335	0.000	0.012834	0.001	7.539	ug/L
	Cd	111	45.112	0.000	0.023844	0.003	14.185	ug/L
	Cd	114	93.583	0.000	0.020105	0.002	9.622	ug/L
>	In	115	240851.527	240851.527				ug/L
	Sb	121	2742.221	0.011	0.402176	0.012	2.916	ug/L
	Sb	123	2154.344	0.009	0.431407	0.012	2.864	ug/L
	Tl	203	104.668	0.000	0.006221	0.002	27.708	ug/L
	Tl	205	215.339	0.000	0.004316	0.001	12.298	ug/L
	Pb	208	967.368	0.000	0.006252	0.001	16.301	ug/L
>	*Bi*	*209*	*339024.984*	*339024.984*				*ug/L*

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	98.723
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.062
	As	74.922	
	Se	76.920	

Se	81.917		
Rh	102.905	84.388	
Ag	106.905		
Cd	110.904		
Cd	113.904		
In	114.904	94.745	
Sb	120.904		
Sb	122.904		
Tl	202.972		
Tl	204.975		
Pb	207.977		
Bi	208.980	103.733	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	494439.212	494438.212		ug/L
Be	9	1.000	0.000	0.002368	ug/L
V	51	3282.900	0.002	0.072101	ug/L
Cr	52	8295.888	0.002	0.086144	ug/L
Cr	53	380.014	0.001	0.214238	ug/L
Co	59	588.030	0.002	0.062480	ug/L
Cu	63	5644.288	0.017	1.033166	ug/L
Cu	65	2647.517	0.008	0.980872	ug/L
Zn	66	2488.486	0.008	1.780383	ug/L
Zn	68	2501.463	0.008	2.187883	ug/L
Ge	72	275857.613	275857.613		ug/L
As	75	480.481	0.001	0.180088	ug/L
Se	77	152.003	0.000	0.311041	ug/L
Se	82	38.881	0.000	0.058447	ug/L
Rh	103	297031.038	297031.038		ug/L
Ag	107	111.002	0.000	0.012880	ug/L
Cd	111	43.108	0.000	0.023402	ug/L
Cd	114	100.784	0.000	0.021438	ug/L
In	115	239407.298	239407.298		ug/L
Sb	121	2813.582	0.011	0.415870	ug/L
Sb	123	2175.850	0.008	0.438644	ug/L
Tl	203	91.001	0.000	0.004378	ug/L
Tl	206	213.006	0.000	0.004088	ug/L
Pb	208	956.034	0.000	0.008418	ug/L
Bi	209	342868.010	342868.010		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	501106.716	501106.716		ug/L
Be	9	4.000	0.000	0.012878	ug/L
V	51	3246.674	0.002	0.071363	ug/L
Cr	52	8333.942	0.002	0.078473	ug/L
Cr	53	404.018	0.001	0.246873	ug/L
Co	59	601.031	0.002	0.054588	ug/L
Cu	63	5504.175	0.017	1.017341	ug/L
Cu	65	2607.502	0.008	0.967388	ug/L
Zn	66	2468.447	0.008	1.757072	ug/L
Zn	68	2521.470	0.008	2.250418	ug/L
Ge	72	272560.178	272560.178		ug/L
As	75	537.770	0.001	0.193274	ug/L
Se	77	132.003	0.000	0.181411	ug/L
Se	82	75.008	0.000	0.269923	ug/L
Rh	103	290887.748	290887.748		ug/L
Ag	107	101.002	0.000	0.011858	ug/L
Cd	111	51.797	0.000	0.027708	ug/L
Cd	114	83.247	0.000	0.017888	ug/L
In	115	242531.372	242531.372		ug/L
Sb	121	2723.546	0.011	0.396387	ug/L
Sb	123	2203.236	0.008	0.438438	ug/L
Tl	203	117.002	0.000	0.007781	ug/L
Tl	205	208.006	0.000	0.003958	ug/L
Pb	208	996.037	0.001	0.007388	ug/L
Bi	209	338178.818	338178.818		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	501469.928	501469.928		ug/L
Be	9	0.000	-0.000	-0.001142	ug/L
V	51	3261.788	0.003	0.081980	ug/L
Cr	52	8686.384	0.004	0.147877	ug/L
Cr	53	380.014	0.001	0.228783	ug/L
Co	59	584.031	0.002	0.056388	ug/L
Cu	63	5694.328	0.018	1.089654	ug/L
Cu	65	2659.522	0.008	1.008770	ug/L
Zn	66	2332.404	0.008	1.705804	ug/L
Zn	68	2496.481	0.008	2.287985	ug/L
Ge	72	265980.586	265980.586		ug/L
As	75	640.921	0.002	0.267500	ug/L
Se	77	183.003	0.000	0.449833	ug/L
Se	82	51.584	0.000	0.140128	ug/L
Rh	103	290832.588	290832.588		ug/L
Ag	107	116.002	0.000	0.013793	ug/L
Cd	111	40.436	0.000	0.021422	ug/L
Cd	114	98.737	0.000	0.020983	ug/L

[>	In	115	240815.910	240815.910		ug/L
I	Sb	121	2088.533	0.011	0.384470	ug/L
L	Sb	123	2083.947	0.008	0.417141	ug/L
[	Tl	203	108.002	0.000	0.008487	ug/L
I	Tl	205	225.008	0.000	0.004826	ug/L
I	Pb	208	951.033	0.009	0.009481	ug/L
[>	Bi	209	338043.328	338043.328		ug/L

Sample ID: 1002041-03
Report Date/Time: Friday, February 12, 2010 19:45:53

Sample Information

Sample ID: 1002041-04
Autosampler Position: 26
Sample Date/Time: Friday, February 12, 2010 19:47:34
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\1002041-04.026
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	508637.462	508637.462				ug/L
	Be	9	2.000	0.000	0.005629	0.003	58.974	ug/L
	V	51	3213.914	0.003	0.080917	0.014	17.425	ug/L
	Cr	52	8430.057	0.004	0.128338	0.037	28.788	ug/L
	Cr	53	411.349	0.001	0.270847	0.029	10.768	ug/L
	Co	59	556.694	0.002	0.052080	0.004	7.146	ug/L
	Cu	63	5622.268	0.018	1.089032	0.044	4.012	ug/L
	Cu	65	2672.860	0.009	1.029283	0.028	2.738	ug/L
	Zn	66	3252.106	0.012	2.482020	0.048	1.927	ug/L
	Zn	68	3162.399	0.011	3.048560	0.229	7.524	ug/L
>	Ge	72	262847.751	262847.751				ug/L
	As	75	569.099	0.001	0.226341	0.043	19.146	ug/L
	Se	77	128.336	0.000	0.168336	0.124	73.905	ug/L
	Se	82	58.830	0.000	0.186987	0.083	44.366	ug/L
>	Rh	103	297217.744	297217.744				ug/L
	Ag	107	53.667	0.000	0.005619	0.001	13.401	ug/L
	Cd	111	32.652	0.000	0.016716	0.003	16.687	ug/L
	Cd	114	71.666	0.000	0.014899	0.003	17.804	ug/L
>	In	115	238114.479	238114.479				ug/L
	Sb	121	2419.767	0.010	0.357067	0.008	2.226	ug/L
	Sb	123	1781.403	0.007	0.357778	0.010	2.784	ug/L
	Tl	203	96.668	0.000	0.005986	0.002	36.939	ug/L
	Tl	205	207.005	0.000	0.004549	0.001	21.656	ug/L
	Pb	208	1018.706	0.001	0.010562	0.000	3.219	ug/L
>	Bi	209	319363.389	319363.389				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.629
	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	95.920
	As	74.922	
	Se	76.920	

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	Se	81.917	
>	Rh	102.905	85.627
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	93.668
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	97.717

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	496283.450	496283.450		ug/L
	Be	9	1.000	0.000	0.002346	ug/L
	V	51	3200.986	0.002	0.070673	ug/L
	Cr	52	8306.909	0.009	0.086978	ug/L
	Cr	53	418.016	0.001	0.267278	ug/L
	Co	59	540.028	0.002	0.048880	ug/L
	Cu	63	5833.198	0.017	1.038808	ug/L
	Cu	65	2586.532	0.008	1.008286	ug/L
	Zn	66	3311.801	0.011	2.486179	ug/L
	Zn	68	3009.084	0.010	2.801423	ug/L
>	Ge	72	269222.448	269222.448		ug/L
	As	75	564.009	0.001	0.213979	ug/L
	Se	77	148.003	0.000	0.308174	ug/L
	Se	82	74.908	0.000	0.274753	ug/L
>	Rh	103	292588.081	292588.081		ug/L
	Ag	107	51.001	0.000	0.005380	ug/L
	Cd	111	35.871	0.000	0.018818	ug/L
	Cd	114	83.791	0.000	0.017889	ug/L
>	In	115	241958.108	241958.108		ug/L
	Sb	121	2480.448	0.010	0.387252	ug/L
	Sb	123	1856.506	0.007	0.387871	ug/L
	Tl	203	95.002	0.000	0.006348	ug/L
	Tl	205	219.008	0.000	0.004838	ug/L
	Pb	208	1041.040	0.001	0.010170	ug/L
>	Bi	209	329480.948	329480.948		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	512802.748	512802.748		ug/L
	Be	9	3.000	0.000	0.008866	ug/L
	V	51	3347.321	0.003	0.099988	ug/L
	Cr	52	8661.201	0.004	0.146678	ug/L
	Cr	53	437.018	0.001	0.301634	ug/L
	Co	59	563.031	0.002	0.066150	ug/L
	Cu	63	5730.355	0.019	1.116622	ug/L
	Cu	65	2649.518	0.009	1.020835	ug/L
	Zn	66	3199.749	0.011	2.444128	ug/L
	Zn	68	3198.747	0.011	3.086888	ug/L
>	Ge	72	282298.718	282298.718		ug/L
	As	75	513.308	0.001	0.190530	ug/L
	Se	77	123.002	0.000	0.129808	ug/L
	Se	82	45.905	0.000	0.109884	ug/L
>	Rh	103	286253.664	286253.664		ug/L
	Ag	107	50.001	0.000	0.008483	ug/L
	Cd	111	28.562	0.000	0.013312	ug/L
	Cd	114	67.053	0.000	0.013835	ug/L
>	In	115	239231.708	239231.708		ug/L
	Sb	121	2378.420	0.009	0.349027	ug/L
	Sb	123	1742.852	0.007	0.347958	ug/L
	Tl	203	83.001	0.000	0.004184	ug/L
	Tl	205	187.004	0.000	0.003451	ug/L
	Pb	208	1022.040	0.001	0.010771	ug/L
>	Bi	209	318729.089	318729.089		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	516848.189	516848.189		ug/L
	Be	9	7.000	0.000	0.005667	ug/L
	V	51	3083.456	0.002	0.075081	ug/L
	Cr	52	8433.068	0.004	0.153159	ug/L
	Cr	53	378.014	0.001	0.243632	ug/L
	Co	59	537.029	0.002	0.061241	ug/L
	Cu	63	5803.283	0.019	1.112686	ug/L
	Cu	65	2682.530	0.009	1.080717	ug/L
	Zn	66	3244.788	0.012	2.535756	ug/L
	Zn	68	3260.788	0.011	3.254589	ug/L
>	Ge	72	257024.093	257024.093		ug/L
	As	75	628.980	0.002	0.274513	ug/L
	Se	77	114.002	0.000	0.089829	ug/L
	Se	82	56.678	0.000	0.178344	ug/L
>	Rh	103	303813.616	303813.616		ug/L
	Ag	107	50.001	0.000	0.005019	ug/L
	Cd	111	35.835	0.000	0.018028	ug/L
	Cd	114	64.145	0.000	0.012884	ug/L

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[	In	115	233156.625	233156.625		ug/L
(	Sb	121	2418.434	0.010	0.364823	ug/L
(	Sb	123	1742.852	0.007	0.357508	ug/L
[	Tl	203	112.002	0.000	0.008448	ug/L
)	Tl	205	218.008	0.000	0.005387	ug/L
)	Pb	208	983.008	0.001	0.010748	ug/L
[	Bi	209	309880.120	309880.120		ug/L

Sample ID: 1002041-04
Report Date/Time: Friday, February 12, 2010 19:49:28

Sample Information

Sample ID: 0B12045-CCV
Autosampler Position: 2
Sample Date/Time: Friday, February 12, 2010 19:51:09
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\0B12045-CCV.027
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	515999.744	515999.744				ug/L
	Be	9	11501.708	0.022	38.640429	2.584	6.687	ug/L
	V	51	342026.185	1.330	40.169830	1.019	2.537	ug/L
	Cr	52	316292.977	1.211	41.588918	1.183	2.844	ug/L
	Cr	53	34209.431	0.133	40.383735	0.957	2.370	ug/L
	Co	59	365001.715	1.429	40.910229	0.323	0.790	ug/L
	Cu	63	177992.573	0.694	41.319447	1.810	4.379	ug/L
	Cu	65	88183.448	0.344	40.854326	0.272	0.666	ug/L
	Zn	66	47767.346	0.186	40.127432	1.183	2.948	ug/L
	Zn	68	37407.747	0.145	41.503200	1.421	3.425	ug/L
>	Ge	72	255335.183	255335.183				ug/L
	As	75	62683.722	0.245	41.609877	1.864	4.479	ug/L
	Se	77	4501.134	0.017	38.673700	3.614	9.345	ug/L
	Se	82	6040.118	0.024	37.666932	3.257	8.646	ug/L
>	Rh	103	307065.490	307065.490				ug/L
	Ag	107	327683.042	1.067	39.994081	0.620	1.550	ug/L
	Cd	111	75109.316	0.245	39.419577	1.259	3.194	ug/L
	Cd	114	184838.147	0.602	40.288538	0.460	1.143	ug/L
>	In	115	232569.217	232569.217				ug/L
	Sb	121	219333.435	0.945	34.862029	4.458	12.788	ug/L
	Sb	123	158729.462	0.684	34.384100	4.351	12.653	ug/L
	Tl	203	298958.677	0.945	40.058097	0.828	2.067	ug/L
	Tl	205	733753.437	2.321	41.285019	1.736	4.206	ug/L
	Pb	208	1008707.414	3.188	40.813973	0.711	1.741	ug/L
>	Bi	209	316231.184	316231.184				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	102.086
	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	93.179
	As	74.922	
	Se	76.920	

Se	81.917		
Rh	102.905	88.464	
Ag	106.905		
Cd	110.904		
Cd	113.904		
In	114.904	91.487	
Sb	120.904		
Sb	122.904		
Tl	202.972		
Tl	204.975		
Pb	207.977		
Bi	208.980	96.759	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B12045-CCV	Sb	121	
0B12045-CCV	Sb	123	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	497988.050	497988.050		ug/L
Be	9	11797.853	0.024	41.008473	ug/L
V	51	341904.263	1.297	39.167584	ug/L
Cr	52	315463.351	1.177	40.437840	ug/L
Cr	53	34908.428	0.133	40.208610	ug/L
Co	59	374023.344	1.429	40.810639	ug/L
Cu	63	174687.623	0.664	38.620816	ug/L
Cu	65	90488.221	0.344	40.908188	ug/L
Zn	66	47313.868	0.180	38.767804	ug/L
Zn	68	36908.463	0.140	39.925247	ug/L
Ge	72	261634.069	261634.069		ug/L
As	75	61031.738	0.232	39.804662	ug/L
Se	77	4215.268	0.016	36.219749	ug/L
Se	82	5587.798	0.021	33.947623	ug/L
Rh	103	297486.784	297486.784		ug/L
Ag	107	322388.428	1.084	40.602199	ug/L
Cd	111	75425.131	0.254	40.833091	ug/L
Cd	114	181432.588	0.610	40.809279	ug/L
In	115	240146.160	240146.160		ug/L
Sb	121	193815.998	0.807	29.775735	ug/L
Sb	123	141145.568	0.587	29.539368	ug/L
Tl	203	310755.978	0.983	40.835229	ug/L
Tl	205	717878.012	2.226	39.585886	ug/L
Pb	206	1008238.972	3.124	39.993617	ug/L
Bi	209	322497.788	322497.788		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	516521.945	516521.945		ug/L
Be	9	11646.604	0.023	39.026356	ug/L
V	51	338712.543	1.329	40.136631	ug/L
Cr	52	313978.304	1.209	41.528391	ug/L
Cr	53	33281.889	0.131	39.527738	ug/L
Co	59	359842.888	1.418	40.585587	ug/L
Cu	63	178880.270	0.694	41.298249	ug/L
Cu	65	88141.364	0.346	41.098721	ug/L
Zn	66	48416.016	0.190	40.917446	ug/L
Zn	68	37543.783	0.147	41.901136	ug/L
Ge	72	253725.207	253725.207		ug/L
As	75	63324.938	0.249	42.276639	ug/L
Se	77	4444.427	0.017	38.372488	ug/L
Se	82	6228.662	0.024	38.048174	ug/L
Rh	103	307622.581	307622.581		ug/L
Ag	107	328586.216	1.068	40.016764	ug/L
Cd	111	74505.270	0.242	39.007247	ug/L
Cd	114	184443.384	0.600	40.120753	ug/L
In	115	228958.064	228958.064		ug/L
Sb	121	227980.738	0.995	36.716281	ug/L
Sb	123	162412.888	0.709	35.656269	ug/L
Tl	203	291745.709	0.925	39.187028	ug/L
Tl	205	731182.841	2.317	41.212929	ug/L
Pb	208	1018444.067	3.219	41.214182	ug/L
Bi	209	315501.408	315501.408		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	533511.238	533511.238		ug/L
Be	9	11080.868	0.021	35.884458	ug/L
V	51	344461.751	1.365	41.205294	ug/L
Cr	52	319450.275	1.246	42.600724	ug/L
Cr	53	34441.178	0.137	41.416867	ug/L
Co	59	361138.914	1.441	41.233280	ug/L
Cu	63	182499.827	0.726	43.139475	ug/L
Cu	65	85939.758	0.341	40.560089	ug/L
Zn	66	47572.367	0.189	40.687346	ug/L
Zn	68	37773.995	0.149	42.863217	ug/L
Ge	72	250646.288	250646.288		ug/L
As	75	63894.484	0.253	43.048298	ug/L
Se	77	4643.660	0.018	42.426887	ug/L
Se	82	6303.864	0.025	40.008999	ug/L
Rh	103	316078.088	316078.088		ug/L

: 00456

[illegible]	Ag	107	332084.480	1.051	39.383280	ug/L
[illegible]	Cd	111	75397.548	0.239	38.418384	ug/L
[illegible]	Cd	114	188538.467	0.587	39.835563	ug/L
[illegible]	In	115	229806.438	229806.438		ug/L
[illegible]	Sb	121	238123.671	1.002	38.082087	ug/L
[illegible]	Sb	123	172630.142	0.756	37.957873	ug/L
[illegible]	Tl	203	284374.250	0.847	40.152094	ug/L
[illegible]	Tl	205	752221.480	2.421	43.056243	ug/L
[illegible]	Pb	208	1001441.212	3.221	41.234119	ug/L
[illegible]	Bi	209	310884.380	310884.380		ug/L

Sample ID: 0B12045-CCV
Report Date/Time: Friday, February 12, 2010 19:53:02

Sample Information

Sample ID: 0B12045-CCB
Autosampler Position: 1
Sample Date/Time: Friday, February 12, 2010 19:57:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\0B12045-CCB.028
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	499154.941	499154.941				ug/L
⌊	Be	9	1.667	0.000	0.004630	0.004	85.947	ug/L
⌈	V	51	2747.600	0.001	0.020858	0.011	52.267	ug/L
|	Cr	52	8249.180	0.002	0.082170	0.040	48.316	ug/L
|	Cr	53	262.007	0.000	0.092597	0.024	25.552	ug/L
|	Co	59	63.001	-0.000	-0.001847	0.001	29.034	ug/L
|	Cu	63	962.408	0.000	0.029114	0.006	18.901	ug/L
|	Cu	65	438.351	0.000	0.014696	0.003	18.583	ug/L
|	Zn	66	230.339	0.000	0.001531	0.015	995.891	ug/L
|	Zn	68	336.678	-0.000	-0.035391	0.008	21.808	ug/L
|>	Ge	72	268363.137	268363.137				ug/L
|	As	75	227.451	0.000	0.002159	0.042	1924.898	ug/L
|	Se	77	155.337	0.000	0.373472	0.142	38.013	ug/L
⌊	Se	82	86.982	0.000	0.347754	0.068	19.594	ug/L
⌈>	Rh	103	301309.773	301309.773				ug/L
|	Ag	107	140.003	0.000	0.016299	0.003	20.973	ug/L
|	Cd	111	3.749	0.000	0.001001	0.003	286.676	ug/L
⌊	Cd	114	15.943	0.000	0.002280	0.001	52.414	ug/L
⌈>	In	115	243909.760	243909.760				ug/L
|	Sb	121	3653.307	0.014	0.534302	0.031	5.782	ug/L
⌊	Sb	123	2827.297	0.011	0.564073	0.041	7.329	ug/L
⌈	Tl	203	62.001	0.000	0.001098	0.000	38.967	ug/L
|	Tl	205	137.336	0.000	0.000429	0.000	47.442	ug/L
|	Pb	208	556.347	-0.001	-0.008652	0.001	14.321	ug/L
⌊>	Bi	209	329463.058	329463.058				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	98.753
⌊	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	97.933
|	As	74.922	
|	Se	76.920	

	Se	81.917	
>	Rh	102.905	86.806
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	95.948
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	100.808

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B12045-CCB	Se	77	
0B12045-CCB	Se	82	
0B12045-CCB	Sb	121	
0B12045-CCB	Sb	123	

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	500834.223	500834.223		ug/L
Be	9	1.000	0.000	0.008228	ug/L
V	51	2680.356	0.000	0.009778	ug/L
Cr	52	7977.532	0.001	0.043083	ug/L
Cr	53	281.008	0.000	0.112847	ug/L
Co	59	61.001	0.000	-0.002088	ug/L
Cu	63	939.071	0.000	0.023088	ug/L
Cu	65	445.018	0.000	0.016853	ug/L
Zn	66	217.005	0.000	-0.009962	ug/L
Zn	68	344.012	-0.000	-0.029047	ug/L
Ge	72	269466.393	269466.393		ug/L
As	75	178.081	0.000	-0.029767	ug/L
Se	77	172.004	0.000	0.508676	ug/L
Se	82	85.915	0.000	0.398895	ug/L
Rh	103	297160.248	297160.248		ug/L
Ag	107	166.004	0.001	0.019779	ug/L
Cd	111	2.156	-0.000	-0.002139	ug/L
Cd	114	11.846	0.000	0.001358	ug/L
In	115	247329.980	247329.980		ug/L
Sb	121	3686.088	0.018	0.581628	ug/L
Sb	123	3088.668	0.012	0.609207	ug/L
Tl	203	67.001	0.000	0.001583	ug/L
Tl	205	140.003	0.000	0.000438	ug/L
Pb	208	531.013	0.001	-0.010014	ug/L
Bi	209	335438.927	335438.927		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	495881.015	495881.015		ug/L
Be	9	1.000	0.000	0.002381	ug/L
V	51	2781.486	0.001	0.021231	ug/L
Cr	52	8271.670	0.002	0.081008	ug/L
Cr	53	268.008	0.000	0.098366	ug/L
Co	59	59.001	-0.000	-0.001233	ug/L
Cu	63	972.076	0.001	0.030443	ug/L
Cu	65	442.018	0.000	0.015608	ug/L
Zn	66	224.005	0.000	-0.004284	ug/L
Zn	68	340.011	-0.000	0.033144	ug/L
Ge	72	259357.396	259357.396		ug/L
As	75	204.704	0.000	-0.012810	ug/L
Se	77	138.003	0.000	0.224266	ug/L
Se	82	91.672	0.000	0.373884	ug/L
Rh	103	298457.710	298457.710		ug/L
Ag	107	138.003	0.000	0.016173	ug/L
Cd	111	4.883	0.000	0.001664	ug/L
Cd	114	21.828	0.000	0.003630	ug/L
In	115	245847.578	245847.578		ug/L
Sb	121	3721.006	0.018	0.540498	ug/L
Sb	123	2903.075	0.011	0.554974	ug/L
Tl	203	60.001	0.000	0.000844	ug/L
Tl	205	141.003	0.000	0.000628	ug/L
Pb	208	584.015	0.001	0.007582	ug/L
Bi	209	329529.098	329529.098		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	500849.586	500849.586		ug/L
Be	9	1.000	0.000	0.002316	ug/L
V	51	2620.958	0.001	0.031569	ug/L
Cr	52	9498.137	0.004	0.122441	ug/L
Cr	53	237.006	0.000	0.056589	ug/L
Co	59	58.001	0.000	0.002223	ug/L
Cu	63	976.076	0.001	0.030830	ug/L
Cu	65	428.017	0.000	0.011625	ug/L
Zn	66	250.007	0.000	0.019829	ug/L
Zn	68	328.011	-0.000	-0.043984	ug/L
Ge	72	266266.623	266266.623		ug/L
As	75	298.588	0.000	0.049156	ug/L

\	Se	77	156.003	0.000	0.398276	ug/L
[	Se	82	73.359	0.000	0.270404	ug/L
[>	Rh	103	308311.381	308311.381		ug/L
[	Ag	107	118.002	0.000	0.012948	ug/L
[	Cd	111	8.538	0.000	0.003480	ug/L
[	Cd	114	14.358	0.000	0.001881	ug/L
[>	In	115	238561.627	238561.627		ug/L
[	Sb	121	3353.631	0.014	0.500783	ug/L
[	Sb	123	2568.119	0.010	0.539039	ug/L
[	Tl	203	58.001	0.000	0.000858	ug/L
]	Tl	205	131.003	0.000	0.000239	ug/L
]	Pb	208	554.914	-0.001	-0.008361	ug/L
]>	Bi	209	323481.151	323481.151		ug/L

Sample Information

Sample ID: 1001065-BLK1
Autosampler Position: 27
Sample Date/Time: Friday, February 12, 2010 20:00:37
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\1001065-BLK1.029
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	525540.214	525540.214				ug/L
	Be	9	1.667	0.000	0.004353	0.004	87.654	ug/L
	V	51	2593.927	0.000	0.014234	0.009	64.634	ug/L
	Cr	52	7886.430	0.002	0.072479	0.008	10.805	ug/L
	Cr	53	249.007	0.000	0.088421	0.021	23.671	ug/L
	Co	59	65.001	-0.000	-0.001379	0.000	8.376	ug/L
	Cu	63	845.059	0.000	0.009968	0.011	110.096	ug/L
	Cu	65	396.015	0.000	0.002424	0.009	371.246	ug/L
	Zn	66	270.008	0.000	0.041235	0.013	31.180	ug/L
	Zn	68	360.013	0.000	0.003446	0.018	530.705	ug/L
>	Ge	72	258911.091	258911.091				ug/L
	As	75	125.544	-0.000	-0.059622	0.037	61.340	ug/L
	Se	77	131.669	0.000	0.215440	0.108	50.206	ug/L
	Se	82	61.226	0.000	0.208882	0.143	68.642	ug/L
>	Rh	103	320243.808	320243.808				ug/L
	Ag	107	62.001	0.000	0.006100	0.001	12.763	ug/L
	Cd	111	4.202	0.000	0.001150	0.001	105.317	ug/L
	Cd	114	9.246	0.000	0.000661	0.001	186.746	ug/L
>	In	115	231393.675	231393.675				ug/L
	Sb	121	1573.857	0.006	0.233101	0.024	10.097	ug/L
	Sb	123	1231.657	0.005	0.249292	0.005	2.148	ug/L
	Tl	203	57.334	0.000	0.000814	0.001	81.908	ug/L
	Tl	205	135.669	0.000	0.000644	0.001	98.226	ug/L
	Pb	208	761.356	0.000	0.000544	0.002	296.751	ug/L
>	Bi	209	316437.468	316437.468				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	103.973
	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	94.484
	As	74.922	
	Se	76.920	

	Se	81.917	
>	Rh	102.905	92.261
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	91.025
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	96.822

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	536680.446	536680.446		ug/L
	Be	9	1.000	0.000	0.002086	ug/L
	V	51	2587.418	0.001	0.017083	ug/L
	Cr	52	7886.430	0.002	0.081053	ug/L
	Cr	53	266.008	0.000	0.109580	ug/L
	Co	59	64.001	0.000	0.001432	ug/L
	Cu	63	893.086	0.000	0.022640	ug/L
	Cu	65	410.016	0.000	0.010340	ug/L
	Zn	66	256.007	0.000	0.033637	ug/L
	Zn	68	364.013	0.000	0.011223	ug/L
>	Ge	72	256795.071	256795.071		ug/L
	As	75	176.883	0.000	0.025180	ug/L
	Se	77	117.002	0.000	0.097026	ug/L
	Se	82	67.861	0.000	0.252376	ug/L
>	Rh	103	322875.532	322875.532		ug/L
	Ag	107	70.001	0.000	0.008977	ug/L
	Cd	111	3.664	0.000	0.000853	ug/L
	Cd	114	16.115	0.000	0.002077	ug/L
>	In	115	229958.874	229958.874		ug/L
	Sb	121	1733.228	0.007	0.260145	ug/L
	Sb	123	1229.886	0.006	0.250846	ug/L
	Tl	203	61.001	0.000	0.001810	ug/L
	Tl	205	132.003	0.000	0.000626	ug/L
	Pb	208	787.028	0.000	0.002381	ug/L
>	Bi	209	308388.581	308388.581		ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	524549.542	524549.542		ug/L
	Be	9	3.000	0.000	0.008758	ug/L
	V	51	2650.123	0.001	0.021873	ug/L
	Cr	52	7849.388	0.002	0.079863	ug/L
	Cr	53	248.007	0.000	0.087908	ug/L
	Co	59	68.001	-0.000	-0.001247	ug/L
	Cu	63	815.058	0.000	0.003480	ug/L
	Cu	65	398.015	0.000	0.004297	ug/L
	Zn	66	287.009	0.000	0.058091	ug/L
	Zn	68	340.011	-0.000	-0.017446	ug/L
>	Ge	72	258126.819	258126.819		ug/L
	As	75	66.984	-0.001	-0.097983	ug/L
	Se	77	142.003	0.000	0.309038	ug/L
	Se	82	80.016	0.000	0.325481	ug/L
>	Rh	103	321609.001	321609.001		ug/L
	Ag	107	97.001	0.000	0.005489	ug/L
	Cd	111	2.168	0.000	0.000115	ug/L
	Cd	114	9.543	0.000	0.000087	ug/L
>	In	115	230768.077	230768.077		ug/L
	Sb	121	1500.173	0.006	0.221907	ug/L
	Sb	123	1249.618	0.006	0.253907	ug/L
	Tl	203	53.001	0.000	0.000182	ug/L
	Tl	205	148.003	0.000	0.001284	ug/L
	Pb	208	738.021	0.000	-0.000804	ug/L
>	Bi	209	318378.899	318378.899		ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	515510.664	515510.664		ug/L
	Be	9	1.000	0.000	0.002216	ug/L
	V	51	2534.243	0.000	0.003847	ug/L
	Cr	52	7923.471	0.002	0.068702	ug/L
	Cr	53	234.006	0.000	0.087705	ug/L
	Co	59	63.001	0.000	-0.001459	ug/L
	Cu	63	827.056	0.000	0.003674	ug/L
	Cu	65	379.014	0.000	-0.007368	ug/L
	Zn	66	264.008	0.000	0.033788	ug/L
	Zn	68	378.014	0.000	0.018681	ug/L
>	Ge	72	261811.383	261811.383		ug/L
	As	75	133.004	-0.000	0.056733	ug/L
	Se	77	136.003	0.000	0.240256	ug/L
	Se	82	35.811	0.000	0.048782	ug/L
>	Rh	103	316446.891	316446.891		ug/L
	Ag	107	59.001	0.000	0.005834	ug/L
	Cd	111	6.784	0.000	0.002482	ug/L
	Cd	114	5.079	-0.000	0.000195	ug/L

I>	In	115	233454.076	233484.078		ug/L
I	Sb	121	1488.170	0.005	0.217251	ug/L
I	Sb	123	1215.488	0.005	0.243422	ug/L
I	Tl	203	58.001	0.000	0.000748	ug/L
I	Tl	205	127.002	0.000	0.000019	ug/L
I	Pb	208	759.023	-0.000	0.000184	ug/L
I>	Bi	209	322548.813	322548.813		ug/L

Sample ID: 1001065-BLK1
Report Date/Time: Friday, February 12, 2010 20:02:30

Sample Information

Sample ID: 1001065-BS1
Autosampler Position: 28
Sample Date/Time: Friday, February 12, 2010 20:04:12
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\1001065-BS1.030
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	539234.855	539234.855				ug/L
⌊	Be	9	2546.479	0.005	8.172813	0.105	1.279	ug/L
⌈	V	51	84843.378	0.327	9.862993	0.252	2.555	ug/L
|	Cr	52	78212.756	0.282	9.670594	0.185	1.918	ug/L
|	Cr	53	8228.487	0.032	9.673523	0.212	2.193	ug/L
|	Co	59	82025.447	0.325	9.294835	0.043	0.467	ug/L
|	Cu	63	43724.908	0.170	10.125741	0.290	2.866	ug/L
|	Cu	65	20399.633	0.079	9.424625	0.142	1.503	ug/L
|	Zn	66	11928.071	0.046	9.997338	0.118	1.181	ug/L
|	Zn	68	9184.326	0.035	10.008502	0.054	0.538	ug/L
|>	Ge	72	252366.376	252366.376				ug/L
|	As	75	13868.721	0.054	9.198824	0.266	2.893	ug/L
|	Se	77	1053.088	0.004	8.437333	0.291	3.452	ug/L
⌊	Se	82	1349.906	0.005	8.376993	0.616	7.358	ug/L
⌈>	Rh	103	318844.142	318844.142				ug/L
|	Ag	107	76669.924	0.240	9.008344	0.254	2.815	ug/L
|	Cd	111	17094.929	0.054	8.634508	0.154	1.787	ug/L
⌊	Cd	114	42144.538	0.132	8.843987	0.071	0.800	ug/L
⌈>	In	115	231115.923	231115.923				ug/L
|	Sb	121	49123.508	0.212	7.824874	0.118	1.503	ug/L
⌊	Sb	123	37077.883	0.160	8.050865	0.428	5.317	ug/L
⌈	Tl	203	67835.619	0.211	8.946043	0.124	1.389	ug/L
|	Tl	205	174983.130	0.544	9.684079	0.065	0.673	ug/L
|	Pb	208	231958.406	0.720	9.215636	0.114	1.238	ug/L
⌊>	Bi	209	321167.651	321167.651				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	106.682
⌊	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	92.095
|	As	74.922	
|	Se	76.920	

	Se	81.917	
>	Rh	102.905	91.857
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	90.915
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	98.269

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	537511.092	537511.092		ug/L
Be	9	2516.488	0.005	8.102617	ug/L
V	51	83062.821	0.318	9.590816	ug/L
Cr	52	78043.733	0.283	9.721729	ug/L
Cr	53	8071.638	0.031	9.428631	ug/L
Co	59	82518.737	0.325	9.298753	ug/L
Cu	63	42673.818	0.186	9.818872	ug/L
Cu	65	20862.831	0.091	9.586371	ug/L
Zn	66	11846.940	0.046	9.871898	ug/L
Zn	68	9204.018	0.035	9.970508	ug/L
Ge	72	253831.900	253831.900		ug/L
As	75	13538.481	0.052	8.921640	ug/L
Se	77	1023.083	0.004	8.117163	ug/L
Se	82	1252.780	0.005	7.714561	ug/L
Rh	103	319447.139	319447.139		ug/L
Ag	107	74422.440	0.233	8.727652	ug/L
Cd	111	18775.782	0.059	8.457101	ug/L
Cd	114	42039.024	0.132	8.804898	ug/L
In	115	232458.899	232458.899		ug/L
Sb	121	48571.086	0.208	7.691409	ug/L
Sb	123	35021.368	0.150	7.558066	ug/L
Tl	203	67722.200	0.209	8.872466	ug/L
Tl	205	174998.524	0.541	9.621687	ug/L
Pb	208	238373.294	0.729	9.330608	ug/L
Bi	209	323269.511	323269.511		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	541249.184	541249.184		ug/L
Be	9	2593.497	0.005	8.292989	ug/L
V	51	84998.738	0.326	9.810586	ug/L
Cr	52	79116.533	0.286	9.825184	ug/L
Cr	53	8301.906	0.032	9.790006	ug/L
Co	59	81398.964	0.323	9.280498	ug/L
Cu	63	43757.056	0.171	10.162536	ug/L
Cu	65	20212.760	0.079	9.364883	ug/L
Zn	66	11913.046	0.046	10.013821	ug/L
Zn	68	9136.931	0.035	9.984912	ug/L
Ge	72	251632.081	251632.081		ug/L
As	75	13864.539	0.054	9.222451	ug/L
Se	77	1078.082	0.004	8.686848	ug/L
Se	82	1433.945	0.006	8.833516	ug/L
Rh	103	317348.613	317348.613		ug/L
Ag	107	76868.377	0.242	9.078508	ug/L
Cd	111	17217.556	0.054	8.737234	ug/L
Cd	114	42335.052	0.133	8.925680	ug/L
In	115	229982.834	229982.834		ug/L
Sb	121	49221.501	0.214	7.913241	ug/L
Sb	123	37712.419	0.164	8.264089	ug/L
Tl	203	68469.279	0.214	9.089486	ug/L
Tl	205	175041.535	0.548	9.751692	ug/L
Pb	208	230366.466	0.720	9.213764	ug/L
Bi	209	319039.510	319039.510		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	538944.288	538944.288		ug/L
Be	9	2529.473	0.005	8.122834	ug/L
V	51	86477.574	0.334	10.087778	ug/L
Cr	52	76475.003	0.276	9.484882	ug/L
Cr	53	8311.918	0.032	9.801933	ug/L
Co	59	82160.841	0.326	9.337253	ug/L
Cu	63	44744.151	0.178	10.395815	ug/L
Cu	65	20123.508	0.078	9.322822	ug/L
Zn	66	12021.227	0.047	10.108298	ug/L
Zn	68	9212.029	0.036	10.070087	ug/L
Ge	72	251636.188	251636.188		ug/L
As	75	14208.132	0.056	9.452380	ug/L
Se	77	1068.088	0.004	8.508190	ug/L
Se	82	1362.982	0.005	8.482812	ug/L
Rh	103	319736.674	319736.674		ug/L
Ag	107	78688.964	0.248	9.220874	ug/L
Cd	111	17291.441	0.054	8.709188	ug/L
Cd	114	42059.537	0.132	8.801315	ug/L

Sample ID: 1001065-BS1
Report Date/Time: Friday, February 12, 2010 20:06:05

: 00455

I>	In	115	231908.234	231908.234		ug/L
I	Sb	121	48577.957	0.213	7.869873	ug/L
I	Sb	123	38499.862	0.166	8.330449	ug/L
I	Tl	203	67318.378	0.208	9.676189	ug/L
I	Tl	205	174908.339	0.544	9.678886	ug/L
I	Pb	208	229133.489	0.711	9.102534	ug/L
I>	Bi	209	321193.932	321193.932		ug/L

Sample ID: 1001065-BS1
Report Date/Time: Friday, February 12, 2010 20:06:05

: 00456

Sample Information

Sample ID: 1002085-01
Autosampler Position: 29
Sample Date/Time: Friday, February 12, 2010 20:10:06
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\1002085-01.031
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

DW

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	524525.258	524525.258				ug/L
⌊	Be	9	2.333	0.000	0.006419	0.007	113.434	ug/L
⌈	V	51	2971.862	0.002	0.058393	0.016	27.775	ug/L
|	Cr	52	8581.906	0.005	0.164948	0.040	24.317	ug/L
|	Cr	53	408.016	0.001	0.274162	0.029	10.579	ug/L
|	Co	59	463.020	0.001	0.042577	0.003	7.555	ug/L
|	Cu	63	1844.590	0.004	0.239853	0.025	10.552	ug/L
|	Cu	65	681.706	0.001	0.133460	0.009	6.818	ug/L
|	Zn	66	873.395	0.003	0.543381	0.029	5.389	ug/L
|	Zn	68	1555.852	0.005	1.324162	0.065	4.881	ug/L
|>	Ge	72	258966.938	258966.938				ug/L
|	As	75	265.618	0.000	0.031990	0.050	156.227	ug/L
|	Se	77	154.003	0.000	0.410309	0.101	24.526	ug/L
⌊	Se	82	48.107	0.000	0.127366	0.026	20.340	ug/L
⌈>	Rh	103	309207.577	309207.577				ug/L
|	Ag	107	252.340	0.001	0.029365	0.005	17.244	ug/L
|	Cd	111	4.878	0.000	0.001610	0.004	224.110	ug/L
⌊	Cd	114	20.490	0.000	0.003182	0.001	34.276	ug/L
⌈>	In	115	228942.323	228942.323				ug/L
|	Sb	121	1433.493	0.006	0.213226	0.027	12.871	ug/L
⌊	Sb	123	1106.386	0.004	0.224706	0.013	5.993	ug/L
⌈	Tl	203	93.668	0.000	0.005444	0.002	38.350	ug/L
|	Tl	205	203.005	0.000	0.004223	0.001	32.004	ug/L
|	Pb	208	734.355	-0.000	-0.001114	0.000	31.727	ug/L
⌊>	Bi	209	322319.552	322319.552				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	103.772
⌊	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	94.504
|	As	74.922	
|	Se	76.920	

: 00467

	Se	81.917	
>	Rh	102.905	89.081
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	90.060
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	98.622

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	542018.358	542018.358		ug/L
	Be	9	5.000	0.000	0.014826	ug/L
	V	51	3038.391	0.002	0.072136	ug/L
	Cr	52	8755.450	0.008	0.208568	ug/L
	Cr	53	416.016	0.001	0.262402	ug/L
	Co	59	446.018	0.001	0.041516	ug/L
	Cu	63	1928.280	0.004	0.269811	ug/L
	Cu	65	865.038	0.001	0.131302	ug/L
	Zn	66	876.083	0.003	0.560172	ug/L
	Zn	68	1572.188	0.005	1.372888	ug/L
>	Ge	72	254344.670	254344.670		ug/L
	As	75	184.107	-0.000	-0.019049	ug/L
	Se	77	160.003	0.000	0.488166	ug/L
	Se	82	49.670	0.000	0.142264	ug/L
>	Rh	103	314274.023	314274.023		ug/L
	Ag	107	303.008	0.001	0.034973	ug/L
	Cd	111	3.510	0.000	0.000828	ug/L
	Cd	114	15.048	0.000	0.001940	ug/L
>	In	115	228006.229	228006.229		ug/L
	Sb	121	1598.186	0.007	0.240879	ug/L
	Sb	123	1151.979	0.006	0.235870	ug/L
	Tl	203	112.002	0.000	0.007856	ug/L
	Tl	205	223.008	0.000	0.005322	ug/L
	Pb	208	741.022	-0.000	-0.000848	ug/L
>	Bi	209	322324.187	322324.187		ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	522908.585	522908.585		ug/L
	Be	9	1.000	0.000	0.002188	ug/L
	V	51	2998.398	0.002	0.082540	ug/L
	Cr	52	8492.130	0.008	0.156827	ug/L
	Cr	53	378.014	0.001	0.240716	ug/L
	Co	59	438.018	0.001	0.040934	ug/L
	Cu	63	1823.251	0.004	0.238148	ug/L
	Cu	65	701.041	0.001	0.143443	ug/L
	Zn	66	891.084	0.003	0.580404	ug/L
	Zn	68	1573.189	0.005	1.348756	ug/L
>	Ge	72	258030.427	258030.427		ug/L
	As	75	338.413	0.000	0.080831	ug/L
	Se	77	158.003	0.000	0.448818	ug/L
	Se	82	50.412	0.000	0.142391	ug/L
>	Rh	103	311088.178	311088.178		ug/L
	Ag	107	242.007	0.001	0.027997	ug/L
	Cd	111	-1.108	-0.000	-0.001843	ug/L
	Cd	114	22.721	0.000	0.003823	ug/L
>	In	115	226991.488	226991.488		ug/L
	Sb	121	1422.156	0.006	0.213218	ug/L
	Sb	123	1115.721	0.006	0.228773	ug/L
	Tl	203	84.001	0.000	0.004283	ug/L
	Tl	205	208.005	0.000	0.004633	ug/L
	Pb	208	719.021	-0.000	-0.001515	ug/L
>	Bi	209	320004.270	320004.270		ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	508647.831	508647.831		ug/L
	Be	9	1.000	0.000	0.002262	ug/L
	V	51	2880.798	0.001	0.040603	ug/L
	Cr	52	8498.137	0.004	0.129881	ug/L
	Cr	53	430.017	0.001	0.269388	ug/L
	Co	59	506.023	0.002	0.046180	ug/L
	Cu	63	1782.240	0.004	0.216589	ug/L
	Cu	65	679.038	0.001	0.125634	ug/L
	Zn	66	851.069	0.002	0.509686	ug/L
	Zn	68	1522.177	0.004	1.250844	ug/L
>	Ge	72	264525.718	264525.718		ug/L
	As	75	274.336	0.000	0.034187	ug/L
	Se	77	144.003	0.000	0.298147	ug/L
	Se	82	44.240	0.000	0.097452	ug/L
>	Rh	103	302279.530	302279.530		ug/L
	Ag	107	212.006	0.001	0.029128	ug/L
	Cd	111	12.230	0.000	0.005548	ug/L
	Cd	114	23.701	0.000	0.003982	ug/L

I >	In	115	231629.251	231629.251		ug/L
I	Sb	121	1280.128	0.006	0.185788	ug/L
I	Sb	123	1051.456	0.004	0.209875	ug/L
I	Tl	203	85.001	0.000	0.004225	ug/L
I	Tl	205	177.004	0.000	0.002714	ug/L
I	Pb	208	743.023	-0.000	-0.000979	ug/L
I >	Bi	209	324630.188	324630.188		ug/L

Sample Information

Sample ID: 1001065-MS1
Autosampler Position: 30
Sample Date/Time: Friday, February 12, 2010 20:13:41
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\1001065-MS1.032
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	525220.276	525220.276				ug/L
⌊	Be	9	2539.144	0.005	8.378357	0.582	6.948	ug/L
⌈	V	51	86960.385	0.325	9.818243	0.201	2.049	ug/L
|	Cr	52	75344.747	0.262	8.990288	0.340	3.777	ug/L
|	Cr	53	8512.823	0.032	9.720759	0.111	1.144	ug/L
|	Co	59	78914.404	0.303	8.685097	0.074	0.853	ug/L
|	Cu	63	42023.678	0.159	9.441544	0.206	2.186	ug/L
|	Cu	65	18806.582	0.071	8.423468	0.234	2.776	ug/L
|	Zn	66	13571.686	0.051	11.067845	0.147	1.332	ug/L
|	Zn	68	10704.121	0.040	11.384796	0.272	2.390	ug/L
|>	Ge	72	259844.934	259844.934				ug/L
|	As	75	13523.440	0.051	8.707441	0.387	4.439	ug/L
|	Se	77	1073.758	0.004	8.337048	0.593	7.114	ug/L
⌊	Se	82	1306.899	0.005	7.865751	0.124	1.575	ug/L
⌈>	Rh	103	306988.621	306988.621				ug/L
|	Ag	107	74556.252	0.243	9.104376	0.383	4.211	ug/L
|	Cd	111	16831.292	0.055	8.834547	0.336	3.808	ug/L
⌊	Cd	114	39566.639	0.129	8.624755	0.091	1.051	ug/L
⌈>	In	115	228817.578	228817.578				ug/L
|	Sb	121	58331.800	0.254	9.389041	0.097	1.035	ug/L
⌊	Sb	123	46103.652	0.201	10.115330	0.114	1.126	ug/L
⌈	Tl	203	66904.302	0.203	8.624577	0.215	2.493	ug/L
|	Tl	205	170549.414	0.519	9.228419	0.299	3.240	ug/L
|	Pb	208	221163.611	0.671	8.589176	0.254	2.959	ug/L
⌊>	Bi	209	328586.173	328586.173				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	103.910
⌊	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	94.825
|	As	74.922	
|	Se	76.920	

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	Se	81.917	
>	Rh	102.905	88.442
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	90.011
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	100.539

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	542662.632	542662.632		ug/L
Be	9	2514.468	0.006	8.018306	ug/L
V	51	85700.444	0.328	9.801987	ug/L
Cr	52	78192.976	0.272	9.332388	ug/L
Cr	53	8319.926	0.032	9.721422	ug/L
Co	59	77824.442	0.306	8.784317	ug/L
Cu	63	41657.704	0.162	9.624193	ug/L
Cu	65	18967.313	0.073	8.891383	ug/L
Zn	66	13450.787	0.062	11.226298	ug/L
Zn	68	10725.153	0.041	11.679191	ug/L
Ge	72	253920.986	253920.986		ug/L
As	75	13439.387	0.052	8.653471	ug/L
Se	77	972.078	0.003	7.663329	ug/L
Se	82	1298.976	0.006	7.988782	ug/L
Rh	103	315500.381	315500.381		ug/L
Ag	107	72947.325	0.231	8.661686	ug/L
Cd	111	16863.533	0.063	8.505801	ug/L
Cd	114	40280.817	0.128	8.542248	ug/L
In	115	224781.122	224781.122		ug/L
Sb	121	57928.526	0.257	9.491552	ug/L
Sb	123	45858.687	0.204	10.242373	ug/L
Tl	203	65234.180	0.199	8.428269	ug/L
Tl	205	171734.868	0.524	9.311690	ug/L
Pb	208	224828.139	0.684	8.750656	ug/L
Bi	209	327791.819	327791.819		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	525158.976	525158.976		ug/L
Be	9	2447.444	0.006	8.065715	ug/L
V	51	88364.156	0.339	9.954002	ug/L
Cr	52	75456.201	0.262	8.986166	ug/L
Cr	53	8621.268	0.032	9.831811	ug/L
Co	59	78422.941	0.301	8.817488	ug/L
Cu	63	42278.178	0.159	9.482800	ug/L
Cu	65	18611.401	0.070	8.318411	ug/L
Zn	66	13432.753	0.061	10.934794	ug/L
Zn	68	10676.076	0.040	11.332628	ug/L
Ge	72	260229.093	260229.093		ug/L
Ag	75	13987.110	0.053	8.998686	ug/L
Se	77	1101.096	0.004	8.567423	ug/L
Se	82	1288.828	0.006	7.741968	ug/L
Rh	103	304067.682	304067.682		ug/L
Ag	107	75650.248	0.249	9.320743	ug/L
Cd	111	16882.970	0.066	8.820136	ug/L
Cd	114	39129.034	0.129	8.610280	ug/L
In	115	229854.046	229854.046		ug/L
Sb	121	58477.984	0.254	9.377222	ug/L
Sb	123	45851.775	0.199	10.022245	ug/L
Tl	203	67601.056	0.209	8.654338	ug/L
Tl	205	172413.744	0.533	9.476991	ug/L
Pb	208	221029.723	0.681	8.720734	ug/L
Bi	209	323352.128	323352.128		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	507839.219	507839.219		ug/L
Be	9	2655.520	0.006	9.050051	ug/L
V	51	86818.551	0.318	9.588758	ug/L
Cr	52	74385.084	0.252	8.653327	ug/L
Cr	53	8597.257	0.032	9.609243	ug/L
Co	59	80495.830	0.303	8.673486	ug/L
Cu	63	41834.151	0.156	9.217638	ug/L
Cu	65	18851.031	0.070	8.280811	ug/L
Zn	66	13831.517	0.051	11.042443	ug/L
Zn	68	10711.132	0.039	11.142588	ug/L
Ge	72	265384.725	265384.725		ug/L
As	75	13133.813	0.049	8.268189	ug/L
Se	77	1148.104	0.004	8.780389	ug/L
Se	82	1334.882	0.006	7.865634	ug/L
Rh	103	301407.820	301407.820		ug/L
Ag	107	75071.182	0.249	9.330719	ug/L
Cd	111	17177.371	0.067	9.177908	ug/L
Cd	114	39290.088	0.130	8.721741	ug/L

Sample ID: 1001065-MS1
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>	In	115	232037.588	232037.588		ug/L
	Sb	121	58588.898	0.252	9.298349	ug/L
	Sb	123	46800.482	0.200	10.081374	ug/L
	Tl	203	67877.887	0.203	8.581128	ug/L
	Tl	205	167488.829	0.500	8.688677	ug/L
	Pb	208	2175532.870	0.848	8.298238	ug/L
>	Bi	209	334614.573	334614.573		ug/L

Sample ID: 1001065-MS1
Report Date/Time: Friday, February 12, 2010 20:15:34

Sample Information

Sample ID: 1001065-MSD1
Autosampler Position: 31
Sample Date/Time: Friday, February 12, 2010 20:19:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\1001065-MSD1.033
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	494886.144	494886.144				ug/L
	Be	9	2600.499	0.005	9.096908	0.283	3.116	ug/L
	V	51	82684.543	0.298	8.988604	0.211	2.349	ug/L
	Cr	52	72829.277	0.242	8.319852	0.146	1.751	ug/L
	Cr	53	8629.966	0.031	9.511566	0.361	3.795	ug/L
	Co	59	83222.256	0.309	8.842284	0.071	0.797	ug/L
	Cu	63	40347.105	0.147	8.737902	0.347	3.977	ug/L
	Cu	65	19012.797	0.069	8.214409	0.054	0.656	ug/L
	Zn	66	11878.654	0.043	9.324086	0.125	1.345	ug/L
	Zn	68	9096.881	0.032	9.268705	0.204	2.196	ug/L
>	Ge	72	269128.940	269128.940				ug/L
	As	75	13450.940	0.049	8.353940	0.278	3.326	ug/L
	Se	77	1097.762	0.004	8.224148	0.356	4.327	ug/L
	Se	82	1325.072	0.005	7.696570	0.321	4.166	ug/L
>	Rh	103	288374.739	288374.739				ug/L
	Ag	107	71817.328	0.249	9.329799	0.074	0.795	ug/L
	Cd	111	17469.579	0.061	9.757195	0.156	1.598	ug/L
	Cd	114	37785.758	0.131	8.767028	0.015	0.175	ug/L
>	In	115	239284.698	239284.698				ug/L
	Sb	121	53333.634	0.222	8.205406	0.139	1.689	ug/L
	Sb	123	41849.195	0.175	8.777109	0.047	0.539	ug/L
	Tl	203	69192.559	0.207	8.777165	0.163	1.855	ug/L
	Tl	205	159879.219	0.478	8.508763	0.167	1.958	ug/L
	Pb	208	219406.608	0.655	8.382513	0.119	1.414	ug/L
>	Bi	209	333910.857	333910.857				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.908
	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	98.213
	As	74.922	
	Se	76.920	

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	Se	81.917	
>	Rh	102.905	83.079
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	94.129
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	102.169

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	504316.244	504316.244		ug/L
Be	9	2585.494	0.006	8.872931	ug/L
V	51	84314.070	0.308	8.232367	ug/L
Cr	52	71838.182	0.240	8.228394	ug/L
Cr	53	8890.618	0.033	9.668221	ug/L
Co	59	82008.911	0.308	8.770589	ug/L
Cu	63	41843.486	0.153	9.082877	ug/L
Cd	65	18919.211	0.069	8.227825	ug/L
Zn	66	11898.017	0.044	9.396369	ug/L
Zn	68	9088.870	0.033	9.322128	ug/L
Ge	72	267383.242	267383.242		ug/L
As	75	13819.509	0.051	8.642177	ug/L
Se	77	1042.088	0.003	7.818328	ug/L
Se	82	1378.527	0.005	8.086171	ug/L
Rh	103	292508.916	292508.916		ug/L
Ag	107	72751.340	0.249	9.317534	ug/L
Cd	111	17406.276	0.059	9.562706	ug/L
Cd	114	38251.323	0.131	8.748545	ug/L
In	115	238082.420	238082.420		ug/L
Sb	121	52040.408	0.218	8.046828	ug/L
Sb	123	41770.087	0.175	8.804280	ug/L
Tl	203	68567.213	0.203	8.606428	ug/L
Tl	205	164440.943	0.487	8.660468	ug/L
Pb	208	218146.417	0.644	8.245860	ug/L
Bi	209	337482.544	337482.544		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	491111.994	491111.994		ug/L
Be	9	2554.482	0.006	9.022222	ug/L
V	51	81348.668	0.294	8.871648	ug/L
Cr	52	71956.329	0.240	8.243341	ug/L
Cr	53	8607.288	0.031	9.520034	ug/L
Co	59	82833.503	0.309	8.844771	ug/L
Cu	63	40230.377	0.147	8.743238	ug/L
Cd	65	18607.917	0.068	8.158048	ug/L
Zn	66	11922.060	0.044	9.393577	ug/L
Zn	68	9225.048	0.033	9.440180	ug/L
Ge	72	268131.530	268131.530		ug/L
As	75	13388.881	0.049	8.331903	ug/L
Se	77	1111.098	0.004	8.371339	ug/L
Se	82	1286.188	0.005	7.493037	ug/L
Rh	103	286312.293	286312.293		ug/L
Ag	107	71911.886	0.261	9.409301	ug/L
Cd	111	17570.446	0.061	9.662970	ug/L
Cd	114	37563.081	0.131	8.778015	ug/L
In	115	236815.343	236815.343		ug/L
Sb	121	53629.069	0.224	8.287510	ug/L
Sb	123	41898.315	0.175	8.804648	ug/L
Tl	203	69982.689	0.211	8.929231	ug/L
Tl	205	159146.984	0.480	8.535423	ug/L
Pb	208	219658.907	0.660	8.452611	ug/L
Bi	209	331369.388	331369.388		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	489230.184	489230.184		ug/L
Be	9	2661.522	0.006	9.415671	ug/L
V	51	82392.899	0.294	8.981809	ug/L
Cr	52	74884.338	0.247	8.487821	ug/L
Cr	53	8362.011	0.030	9.146444	ug/L
Co	59	84724.356	0.311	8.911511	ug/L
Cu	63	39167.483	0.141	8.387788	ug/L
Cd	65	18311.282	0.070	8.260367	ug/L
Zn	66	11817.886	0.043	9.179282	ug/L
Zn	68	8976.727	0.032	9.043808	ug/L
Ge	72	271672.048	271672.048		ug/L
As	75	13164.820	0.048	8.087741	ug/L
Se	77	1140.102	0.004	8.482777	ug/L
Se	82	1310.504	0.005	7.530503	ug/L
Rh	103	286305.009	286305.009		ug/L
Ag	107	70788.749	0.247	9.262561	ug/L
Cd	111	17433.015	0.061	9.605810	ug/L
Cd	114	37542.699	0.131	8.773624	ug/L

Sample ID: 1001065-MSD1
Report Date/Time: Friday, February 12, 2010 20:21:30

>	In	115	240846.331	240846.331		ug/L
	Sb	121	54332.389	0.225	9.302080	ug/L
	Sb	123	41879.204	0.173	8.722528	ug/L
	Tl	203	68147.775	0.208	8.798839	ug/L
	Tl	205	136046.731	0.416	8.330388	ug/L
	Pb	208	220504.509	0.660	8.449276	ug/L
>	Bi	209	332910.643	332910.643		ug/L

Sample ID: 1001065-MSD1
Report Date/Time: Friday, February 12, 2010 20:21:30

Sample Information

Sample ID: 0B12045-SRD2
Autosampler Position: 32
Sample Date/Time: Friday, February 12, 2010 20:25:31
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\0B12045-SRD2.034
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	540495.246	540495.246				ug/L
⌊	Be	9	1.000	0.000	0.002085	0.003	154.316	ug/L
⌈	V	51	2840.417	0.001	0.044535	0.009	19.912	ug/L
|	Cr	52	8387.005	0.004	0.144189	0.019	13.000	ug/L
|	Cr	53	291.676	0.000	0.139853	0.012	8.850	ug/L
|	Co	59	131.003	0.000	0.005981	0.002	31.641	ug/L
|	Cu	63	919.402	0.000	0.028012	0.006	21.620	ug/L
|	Cu	65	394.682	0.000	0.002591	0.005	193.264	ug/L
|	Zn	66	261.007	0.000	0.034685	0.012	33.365	ug/L
|	Zn	68	498.689	0.001	0.159179	0.017	10.435	ug/L
|>	Ge	72	257695.186	257695.186				ug/L
|	As	75	167.181	-0.000	-0.031766	0.008	26.074	ug/L
|	Se	77	118.669	0.000	0.107466	0.092	85.812	ug/L
⌊	Se	82	38.790	0.000	0.071301	0.100	139.809	ug/L
⌈>	Rh	103	314435.871	314435.871				ug/L
|	Ag	107	176.337	0.001	0.019862	0.003	12.616	ug/L
|	Cd	111	1.428	-0.000	-0.000223	0.003	1424.548	ug/L
⌊	Cd	114	10.826	0.000	0.001039	0.002	207.799	ug/L
⌈>	In	115	227627.970	227627.970				ug/L
|	Sb	121	323.344	0.001	0.034474	0.002	5.673	ug/L
⌊	Sb	123	239.293	0.001	0.034509	0.007	21.401	ug/L
⌈	Tl	203	59.668	0.000	0.001112	0.002	174.631	ug/L
|	Tl	205	132.336	0.000	0.000461	0.000	85.986	ug/L
|	Pb	208	594.016	-0.000	-0.006243	0.001	14.783	ug/L
⌊>	Bi	209	316292.922	316292.922				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	106.932
⌊	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	94.040
|	As	74.922	
|	Se	76.920	

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	Se	81.917	
>	Rh	102.905	90.587
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	89.543
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	96.778

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	550086.092	550086.092		ug/L
	Be	9	0.000	-0.000	0.001142	ug/L
	V	51	2998.626	0.002	0.053141	ug/L
	Cr	52	8484.096	0.005	0.161233	ug/L
	Cr	53	302.008	0.001	0.154123	ug/L
	Co	59	138.003	0.000	0.008887	ug/L
	Cu	63	943.072	0.001	0.034790	ug/L
	Cu	65	398.016	0.000	0.004334	ug/L
	Zn	66	248.007	0.000	0.025148	ug/L
	Zn	68	481.021	0.000	0.142843	ug/L
>	Ge	72	256134.987	256134.987		ug/L
	As	75	174.919	0.000	-0.026008	ug/L
	Se	77	108.002	0.000	0.020829	ug/L
	Se	82	52.882	0.000	0.160103	ug/L
>	Rh	103	317210.883	317210.883		ug/L
	Ag	107	183.004	0.001	0.020484	ug/L
	Cd	111	4.192	-0.000	-0.003098	ug/L
	Cd	114	14.839	0.000	0.001866	ug/L
>	In	115	230218.311	230218.311		ug/L
	Sb	121	313.010	0.001	0.032217	ug/L
	Sb	123	216.873	0.001	0.029388	ug/L
	Tl	203	64.001	0.000	0.001764	ug/L
	Tl	205	135.003	0.000	0.000882	ug/L
	Pb	208	595.016	-0.000	-0.008025	ug/L
>	Bi	209	314047.372	314047.372		ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	533487.562	533487.562		ug/L
	Be	9	1.000	0.000	0.002103	ug/L
	V	51	2834.780	0.001	0.045037	ug/L
	Cr	52	8378.987	0.004	0.147221	ug/L
	Cr	53	284.008	0.000	0.132017	ug/L
	Co	59	111.002	0.000	0.003809	ug/L
	Cu	63	696.066	0.000	0.023132	ug/L
	Cu	65	301.014	-0.000	-0.003056	ug/L
	Zn	66	256.007	0.000	0.031350	ug/L
	Zn	68	512.023	0.001	0.178049	ug/L
>	Ge	72	256758.837	256758.837		ug/L
	As	75	172.284	-0.000	-0.026033	ug/L
	Se	77	117.002	0.000	0.097188	ug/L
	Se	82	41.796	0.000	0.090324	ug/L
>	Rh	103	312184.292	312184.292		ug/L
	Ag	107	193.006	0.001	0.022012	ug/L
	Cd	111	8.082	0.000	0.003188	ug/L
	Cd	114	18.329	0.000	0.002984	ug/L
>	In	115	224764.988	224764.988		ug/L
	Sb	121	328.011	0.001	0.035687	ug/L
	Sb	123	274.379	0.001	0.042977	ug/L
	Tl	203	43.001	-0.000	-0.001072	ug/L
	Tl	205	136.003	0.000	0.000716	ug/L
	Pb	208	568.015	-0.001	-0.007256	ug/L
>	Bi	209	314149.730	314149.730		ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	537932.088	537932.088		ug/L
	Be	9	2.000	0.000	0.005294	ug/L
	V	51	2789.842	0.001	0.036427	ug/L
	Cr	52	8316.922	0.004	0.124113	ug/L
	Cr	53	289.008	0.000	0.133420	ug/L
	Co	59	144.003	0.000	0.007276	ug/L
	Cu	63	920.088	0.000	0.025115	ug/L
	Cu	65	407.016	0.000	0.008484	ug/L
	Zn	66	279.008	0.000	0.047558	ug/L
	Zn	68	503.023	0.001	0.158846	ug/L
>	Ge	72	260190.732	260190.732		ug/L
	As	75	154.341	-0.000	-0.041258	ug/L
	Se	77	131.003	0.000	0.204402	ug/L
	Se	82	21.693	-0.000	-0.035525	ug/L
>	Rh	103	313912.838	313912.838		ug/L
	Ag	107	153.003	0.000	0.017110	ug/L
	Cd	111	0.414	-0.000	-0.000758	ug/L
	Cd	114	0.690	-0.000	0.001412	ug/L

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[>	In	115	227903 633	227903 633		ug/L
/	Sb	121	331 011	0 001	0 035646	ug/L
\	Sb	123	224 928	0 001	0 031163	ug/L
[	Tl	203	77 001	0 000	0 002843	ug/L
/	Tl	205	126 002	0 000	0 000004	ug/L
\	Pb	208	822 017	0 008	-0 005448	ug/L
[>	Bi	209	370881 884	330881 884		ug/L

Sample ID: 0B12045-SRD2
Report Date/Time: Friday, February 12, 2010 20:27:25

Sample Information

Sample ID: 1001065-PS1
Autosampler Position: 33
Sample Date/Time: Friday, February 12, 2010 20:29:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\1001065-PS1.035
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	517540.049	517540.049				ug/L
	Be	9	5569.894	0.011	18.645164	0.899	4.823	ug/L
	V	51	187646.292	0.718	21.679254	0.166	0.767	ug/L
	Cr	52	153645.091	0.567	19.489089	0.256	1.312	ug/L
	Cr	53	18352.069	0.070	21.349262	0.370	1.733	ug/L
	Co	59	175443.336	0.680	19.463088	0.329	1.693	ug/L
	Cu	63	90659.220	0.349	20.736482	0.775	3.735	ug/L
	Cu	65	40864.319	0.157	18.649886	0.484	2.595	ug/L
	Zn	66	24175.425	0.093	20.006818	0.320	1.599	ug/L
	Zn	68	18219.392	0.069	19.800988	0.469	2.369	ug/L
>	Ge	72	257910.181	257910.181				ug/L
	As	75	29901.518	0.115	19.565593	0.559	2.858	ug/L
	Se	77	2140.009	0.008	17.688123	0.288	1.627	ug/L
	Se	82	2866.395	0.011	17.584036	0.083	0.473	ug/L
>	Rh	103	300986.811	300986.811				ug/L
	Ag	107	165753.804	0.551	20.646433	0.642	3.108	ug/L
	Cd	111	37971.653	0.126	20.341561	1.092	5.368	ug/L
	Cd	114	87311.773	0.290	19.414443	0.182	0.937	ug/L
>	In	115	229737.715	229737.715				ug/L
	Sb	121	110407.713	0.480	17.712722	0.474	2.678	ug/L
	Sb	123	87427.935	0.380	19.117563	0.863	4.512	ug/L
	Tl	203	149405.709	0.457	19.376721	0.250	1.288	ug/L
	Tl	205	368602.226	1.128	20.068307	0.744	3.708	ug/L
	Pb	208	486278.032	1.486	19.028273	0.219	1.151	ug/L
>	Bi	209	326677.502	326677.502				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	102.390
	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	94.119
	As	74.922	
	Se	76.920	

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	Se	81.917	
>	Rh	102.905	86.713
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	90.373
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	99.955

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	534861.088	534861.088		ug/L
Be	9	5443.128	0.010	17.614483	ug/L
V	51	185713.416	0.713	21.538188	ug/L
Cr	52	154178.734	0.572	19.637433	ug/L
Cr	53	17923.638	0.069	20.927534	ug/L
Co	59	171803.281	0.669	19.132060	ug/L
Cu	63	92234.902	0.356	21.176558	ug/L
Cu	65	40821.724	0.157	18.698381	ug/L
Zn	66	23705.508	0.091	19.690088	ug/L
Zn	68	18508.125	0.071	20.193711	ug/L
Ge	72	258821.488	258821.488		ug/L
As	75	30635.039	0.118	20.123749	ug/L
Se	77	2141.342	0.008	17.773081	ug/L
Se	82	2840.062	0.011	17.488886	ug/L
Rh	103	308277.836	308277.836		ug/L
Ag	107	165824.384	0.538	20.087436	ug/L
Cd	111	36861.321	0.119	19.241840	ug/L
Cd	114	86931.930	0.288	19.240588	ug/L
In	115	229036.328	229036.328		ug/L
Sb	121	106702.125	0.466	17.171308	ug/L
Sb	123	62664.916	0.361	18.132516	ug/L
Tl	203	146367.869	0.451	19.097801	ug/L
Tl	205	369808.143	1.136	20.237842	ug/L
Pb	208	485983.391	1.494	19.129986	ug/L
Bi	209	324732.704	324732.704		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	510627.911	510627.911		ug/L
Be	9	5620.266	0.011	19.050806	ug/L
V	51	197713.339	0.724	21.981802	ug/L
Cr	52	153538.150	0.572	19.636086	ug/L
Cr	53	18434.943	0.071	21.619688	ug/L
Co	59	176980.713	0.681	19.790986	ug/L
Cu	63	91918.564	0.356	21.190782	ug/L
Cu	65	41532.612	0.161	19.107113	ug/L
Zn	66	24368.741	0.094	20.330000	ug/L
Zn	68	18191.317	0.070	19.827897	ug/L
Ge	72	255870.783	255870.783		ug/L
As	75	29872.353	0.115	19.567618	ug/L
Se	77	2086.328	0.008	17.387466	ug/L
Se	82	2848.400	0.011	17.619702	ug/L
Rh	103	304044.122	304044.122		ug/L
Ag	107	166403.639	0.547	20.504814	ug/L
Cd	111	38431.587	0.126	20.067203	ug/L
Cd	114	88148.501	0.290	19.399383	ug/L
In	115	228511.237	228511.237		ug/L
Sb	121	111038.529	0.485	17.911088	ug/L
Sb	123	68810.780	0.387	19.482680	ug/L
Tl	203	148758.568	0.458	19.454402	ug/L
Tl	205	377423.407	1.158	20.713228	ug/L
Pb	208	496131.503	1.498	19.178877	ug/L
Bi	209	323987.988	323987.988		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	507141.137	507141.137		ug/L
Be	9	5646.287	0.011	19.270405	ug/L
V	51	199812.121	0.717	21.639772	ug/L
Cr	52	153215.388	0.550	19.193746	ug/L
Cr	53	18687.627	0.071	21.500883	ug/L
Co	59	177536.003	0.680	19.466257	ug/L
Cu	63	87824.494	0.333	19.842109	ug/L
Cu	65	40238.422	0.153	18.143183	ug/L
Zn	66	24452.028	0.093	20.000389	ug/L
Zn	68	17981.735	0.067	19.281556	ug/L
Ge	72	260938.281	260938.281		ug/L
As	75	29397.169	0.112	19.005612	ug/L
Se	77	2192.356	0.008	17.923843	ug/L
Se	82	2908.724	0.011	17.643522	ug/L
Rh	103	269838.476	269838.476		ug/L
Ag	107	155033.378	0.570	21.347248	ug/L
Cd	111	38632.072	0.133	21.425839	ug/L
Cd	114	84854.986	0.293	19.603356	ug/L

I>	In	115	231686.581	231686.581		ug/L
I	Sb	121	113481.489	0.489	18.056782	ug/L
I	Sb	123	91008.139	0.392	19.737493	ug/L
I	Tl	203	153088.672	0.462	19.878158	ug/L
I	Tl	205	356778.126	1.083	19.254053	ug/L
I	Pb	208	486719.202	1.467	18.776958	ug/L
I>	Bi	209	331311.803	331311.803		ug/L

Sample Information

Sample ID: 1002085-02
Autosampler Position: 34
Sample Date/Time: Friday, February 12, 2010 20:35:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\1002085-02.036
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	516380.341	516380.341				ug/L
	Be	9	1.333	0.000	0.003346	0.002	60.044	ug/L
	V	51	2937.933	0.002	0.048816	0.012	23.823	ug/L
	Cr	52	8197.117	0.003	0.095918	0.005	5.558	ug/L
	Cr	53	643.035	0.002	0.537137	0.016	2.938	ug/L
	Co	59	808.387	0.003	0.079325	0.002	2.303	ug/L
	Cu	63	2802.245	0.008	0.449566	0.030	6.684	ug/L
	Cu	65	892.065	0.002	0.223596	0.027	11.949	ug/L
	Zn	66	1461.831	0.005	1.013545	0.056	5.531	ug/L
	Zn	68	1532.180	0.004	1.270039	0.037	2.949	ug/L
>	Ge	72	263217.574	263217.574				ug/L
	As	75	359.925	0.001	0.090246	0.023	25.404	ug/L
	Se	77	175.337	0.000	0.570241	0.074	13.046	ug/L
	Se	82	49.115	0.000	0.128602	0.078	60.467	ug/L
>	Rh	103	293725.615	293725.615				ug/L
	Ag	107	305.343	0.001	0.037648	0.008	21.046	ug/L
	Cd	111	8.173	0.000	0.003407	0.006	189.122	ug/L
	Cd	114	40.144	0.000	0.007873	0.001	16.172	ug/L
>	In	115	232438.076	232438.076				ug/L
	Sb	121	1919.279	0.008	0.287318	0.042	14.762	ug/L
	Sb	123	1538.764	0.006	0.315338	0.055	17.461	ug/L
	Tl	203	108.335	0.000	0.007111	0.002	24.073	ug/L
	Tl	205	228.673	0.000	0.005407	0.001	12.160	ug/L
	Pb	208	1128.713	0.001	0.013739	0.002	11.227	ug/L
>	Bi	209	328254.074	328254.074				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	102.161
	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	96.055
	As	74.922	
	Se	76.920	

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	Se	81.917	
>	Rh	102.905	84.621
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	91.435
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	100.438

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	525639.485	525639.485		ug/L
	Be	9	1.000	0.000	0.002182	ug/L
	V	51	3002.331	0.002	0.052206	ug/L
	Cr	52	8099.871	0.003	0.101948	ug/L
	Cr	53	640.036	0.002	0.546580	ug/L
	Co	59	775.050	0.003	0.077217	ug/L
	Cu	63	2981.602	0.008	0.474084	ug/L
	Cu	65	944.072	0.002	0.254376	ug/L
	Zn	66	1491.171	0.005	1.068521	ug/L
	Zn	68	1539.181	0.005	1.307223	ug/L
>	Ge	72	258816.081	258816.081		ug/L
	As	75	370.481	0.001	0.101402	ug/L
	Se	77	178.004	0.000	0.619007	ug/L
	Se	82	41.529	0.000	0.086814	ug/L
>	Rh	103	302831.997	302831.997		ug/L
	Ag	107	373.013	0.001	0.048029	ug/L
	Cd	111	22.052	0.000	0.010765	ug/L
	Cd	114	40.727	0.000	0.007741	ug/L
>	In	115	225482.201	225482.201		ug/L
	Sb	121	2117.335	0.008	0.329888	ug/L
	Sb	123	1761.108	0.007	0.372836	ug/L
	Tl	203	124.002	0.000	0.009075	ug/L
	Tl	205	227.008	0.000	0.006270	ug/L
	Pb	208	1164.048	0.001	0.014848	ug/L
>	Bi	209	329490.369	329490.369		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	514870.885	514870.885		ug/L
	Be	9	1.000	0.000	0.002220	ug/L
	V	51	2875.961	0.001	0.043001	ug/L
	Cr	52	8147.728	0.003	0.083868	ug/L
	Cr	53	648.036	0.002	0.545602	ug/L
	Co	59	815.056	0.003	0.080448	ug/L
	Cu	63	2831.588	0.008	0.458566	ug/L
	Cu	65	858.060	0.002	0.210082	ug/L
	Zn	66	1478.168	0.005	1.031377	ug/L
	Zn	68	1491.171	0.004	1.232318	ug/L
>	Ge	72	262088.304	262088.304		ug/L
	As	75	317.591	0.000	0.083877	ug/L
	Se	77	178.004	0.000	0.807104	ug/L
	Se	82	63.863	0.000	0.216323	ug/L
>	Rh	103	292856.786	292856.786		ug/L
	Ag	107	311.010	0.001	0.038638	ug/L
	Cd	111	-0.480	-0.000	-0.001224	ug/L
	Cd	114	43.827	0.000	0.008207	ug/L
>	In	115	234037.688	234037.688		ug/L
	Sb	121	1968.291	0.008	0.292356	ug/L
	Sb	123	1530.928	0.006	0.310661	ug/L
	Tl	203	99.002	0.000	0.008667	ug/L
	Tl	205	241.006	0.000	0.008123	ug/L
	Pb	208	1138.047	0.001	0.014268	ug/L
>	Bi	209	327048.883	327048.883		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	508630.871	508630.871		ug/L
	Be	9	2.000	0.000	0.005666	ug/L
	V	51	2935.816	0.001	0.041240	ug/L
	Cr	52	8343.964	0.003	0.091820	ug/L
	Cr	53	641.036	0.002	0.518921	ug/L
	Co	59	835.057	0.003	0.080308	ug/L
	Cu	63	2713.542	0.007	0.416047	ug/L
	Cu	65	873.062	0.002	0.208337	ug/L
	Zn	66	1416.156	0.004	0.950737	ug/L
	Zn	68	1566.187	0.004	1.270676	ug/L
>	Ge	72	268947.368	268947.368		ug/L
	As	75	391.703	0.001	0.106480	ug/L
	Se	77	188.004	0.000	0.484414	ug/L
	Se	82	42.153	0.000	0.080668	ug/L
>	Rh	103	285689.082	285689.082		ug/L
	Ag	107	232.008	0.001	0.029278	ug/L
	Cd	111	2.927	0.000	0.000879	ug/L
	Cd	114	33.878	0.000	0.006871	ug/L

I >	In	115	238794.370	238794.370		ug/L
I	Sb	121	1672.212	0.007	0.242810	ug/L
I	Sb	123	1324.256	0.006	0.252828	ug/L
I	Tl	203	102.002	0.000	0.008298	ug/L
I	Tl	205	218.008	0.000	0.004829	ug/L
I	Pb	208	1084.042	0.001	0.012002	ug/L
I >	Bi	209	328222.980	328222.980		ug/L

Sample Information

Sample ID: 0B12045-CCV
Autosampler Position: 2
Sample Date/Time: Friday, February 12, 2010 20:38:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\0B12045-CCV.037
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	537852.931	537852.931				ug/L
	Be	9	11896.688	0.022	38.310444	1.708	4.459	ug/L
	V	51	336330.761	1.333	40.247754	1.267	3.148	ug/L
	Cr	52	310919.241	1.212	41.637704	0.157	0.378	ug/L
	Cr	53	34081.806	0.135	40.990123	0.440	1.074	ug/L
	Co	59	359320.649	1.433	41.023636	0.959	2.338	ug/L
	Cu	63	179161.742	0.712	42.369953	1.357	3.204	ug/L
	Cu	65	86456.455	0.343	40.807994	0.086	0.212	ug/L
	Zn	66	47883.441	0.190	40.980631	0.866	2.113	ug/L
	Zn	68	36991.929	0.146	41.799677	0.533	1.276	ug/L
>	Ge	72	250624.174	250624.174				ug/L
	As	75	63463.968	0.252	42.910603	1.024	2.386	ug/L
	Se	77	4287.331	0.017	37.487342	2.448	6.531	ug/L
	Se	82	5993.853	0.024	38.084760	3.469	9.108	ug/L
>	Rh	103	310707.195	310707.195				ug/L
	Ag	107	327705.905	1.055	39.516369	0.112	0.282	ug/L
	Cd	111	74657.304	0.240	38.707961	0.848	2.190	ug/L
	Cd	114	186863.815	0.602	40.251468	0.695	1.726	ug/L
>	In	115	229082.675	229082.675				ug/L
	Sb	121	215023.022	0.940	34.687640	3.958	11.410	ug/L
	Sb	123	159495.557	0.698	35.080445	4.821	13.742	ug/L
	Tl	203	296171.686	0.949	40.239432	0.985	2.449	ug/L
	Tl	205	750334.489	2.405	42.782448	1.056	2.468	ug/L
	Pb	208	1016549.759	3.257	41.693544	0.470	1.127	ug/L
>	Bi	209	311905.162	311905.162				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	106.409
	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	91.460
	As	74.922	
	Se	76.920	

	Se	81.917	
>	Rh	102.905	89.513
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	90.115
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	95.435

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B12045-CCV	Sb	121	
0B12045-CCV	Sb	123	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	523498.317	523498.317		ug/L
Be	9	12142.433	0.023	40.147840	ug/L
V	51	333120.936	1.291	38.981840	ug/L
Cr	52	316461.519	1.207	41.464865	ug/L
Cr	53	34774.791	0.136	40.922259	ug/L
Co	59	375042.778	1.464	41.905891	ug/L
Cu	63	176892.461	0.687	40.864477	ug/L
Cu	65	86537.219	0.344	40.804676	ug/L
Zn	66	47823.035	0.188	40.034711	ug/L
Zn	68	37304.532	0.144	41.238916	ug/L
Ge	72	256118.408	256118.408		ug/L
As	75	63320.800	0.248	41.877528	ug/L
Se	77	4078.206	0.018	34.808186	ug/L
Se	82	5684.172	0.022	34.535007	ug/L
Rh	103	304796.142	304796.142		ug/L
Ag	107	322250.992	1.067	39.811691	ug/L
Cd	111	75104.694	0.246	39.685888	ug/L
Cd	114	186362.186	0.611	40.914212	ug/L
In	115	236830.911	236830.911		ug/L
Sb	121	183733.033	0.818	30.188819	ug/L
Sb	123	140388.680	0.593	29.817173	ug/L
Tl	203	304829.568	0.975	41.339811	ug/L
Tl	205	737684.027	2.360	41.981865	ug/L
Pb	208	1031442.628	3.298	42.226852	ug/L
Bi	209	312486.070	312486.070		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	544220.756	544220.756		ug/L
Be	9	11952.111	0.022	38.013581	ug/L
V	51	336324.474	1.333	40.245880	ug/L
Cr	52	311086.883	1.213	41.676216	ug/L
Cr	53	33737.826	0.134	40.587727	ug/L
Co	59	350188.253	1.398	40.003032	ug/L
Cu	63	180744.001	0.718	42.744470	ug/L
Cu	65	86237.316	0.343	40.721927	ug/L
Zn	66	48101.901	0.191	41.173408	ug/L
Zn	68	37418.131	0.148	42.300228	ug/L
Ge	72	250618.931	250618.931		ug/L
As	75	63486.232	0.253	42.029863	ug/L
Se	77	4382.389	0.017	38.061046	ug/L
Se	82	6025.608	0.024	38.253104	ug/L
Rh	103	311951.441	311951.441		ug/L
Ag	107	328002.154	1.051	39.393702	ug/L
Cd	111	73954.724	0.237	38.181697	ug/L
Cd	114	187928.710	0.602	40.311638	ug/L
In	115	224998.548	224998.548		ug/L
Sb	121	221077.301	0.982	36.236112	ug/L
Sb	123	161782.102	0.718	36.142274	ug/L
Tl	203	290129.831	0.930	39.438847	ug/L
Tl	205	743037.642	2.383	42.386320	ug/L
Pb	208	1011866.668	3.243	41.514179	ug/L
Bi	209	311750.966	311750.966		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	545841.722	545841.722		ug/L
Be	9	11586.520	0.021	36.769801	ug/L
V	51	339646.874	1.375	41.515743	ug/L
Cr	52	306210.325	1.216	41.772240	ug/L
Cr	53	33732.802	0.137	41.460384	ug/L
Co	59	352730.917	1.436	41.181888	ug/L
Cu	63	180048.763	0.731	43.500713	ug/L
Cu	65	84584.632	0.343	40.807376	ug/L
Zn	66	47725.388	0.194	41.733773	ug/L
Zn	68	36252.124	0.146	41.859889	ug/L
Ge	72	245235.184	245235.184		ug/L
As	75	63584.872	0.258	43.925318	ug/L
Se	77	4430.418	0.018	39.804811	ug/L
Se	82	6391.779	0.026	41.466167	ug/L
Rh	103	315375.001	315375.001		ug/L

	Ag	107	332884 568	1 056	39 543713	ug/L
	Cd	111	74912 498	0 238	39 256331	ug/L
	Cd	114	186300 588	0 591	39 528564	ug/L
>	In	115	225621 588	225621 588		ug/L
	Sb	121	230256 731	1 020	37 636888	ug/L
	Sb	123	176317 878	0 781	39 281887	ug/L
	Tl	203	293564 681	0 942	39 838638	ug/L
	Tl	205	770281 797	2 473	43 979158	ug/L
	Pb	208	1008538 752	3 229	41 338802	ug/L
>	Bi	209	311478 451	311478 451		ug/L

Sample Information

Sample ID: 0B12045-CCB
Autosampler Position: 1
Sample Date/Time: Friday, February 12, 2010 20:49:32
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12045.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12045\0B12045-CCB.038
Tuning File: C:\elandata\Tuning\12feb2010_6020a_c.tun
Optimization File: C:\elandata\Optimize\12feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	499290.409	499290.409				ug/L
	Be	9	2.333	0.000	0.006883	0.007	104.723	ug/L
	V	51	2717.717	0.001	0.025596	0.007	25.775	ug/L
	Cr	52	8090.661	0.003	0.089386	0.020	22.238	ug/L
	Cr	53	261.007	0.000	0.099376	0.020	20.428	ug/L
	Co	59	53.001	-0.000	-0.002762	0.001	33.777	ug/L
	Cu	63	648.703	-0.001	-0.036616	0.012	31.689	ug/L
	Cu	65	278.675	-0.000	-0.052716	0.007	14.208	ug/L
	Zn	66	209.005	-0.000	-0.011148	0.022	200.494	ug/L
	Zn	68	309.343	-0.000	-0.055645	0.016	28.090	ug/L
>	Ge	72	261393.539	261393.539				ug/L
	As	75	311.171	0.000	0.060108	0.061	102.015	ug/L
	Se	77	116.335	0.000	0.073355	0.036	48.860	ug/L
	Se	82	61.157	0.000	0.203782	0.096	46.870	ug/L
>	Rh	103	292666.410	292666.410				ug/L
	Ag	107	60.001	0.000	0.006527	0.000	7.254	ug/L
	Cd	111	6.284	0.000	0.002494	0.004	176.332	ug/L
	Cd	114	8.717	0.000	0.000724	0.001	81.734	ug/L
>	In	115	240073.230	240073.230				ug/L
	Sb	121	1386.482	0.005	0.195166	0.005	2.309	ug/L
	Sb	123	1010.536	0.004	0.193241	0.004	2.075	ug/L
	Tl	203	49.334	-0.000	-0.000503	0.001	179.437	ug/L
	Tl	205	120.002	-0.000	-0.000470	0.001	153.155	ug/L
	Pb	208	538.013	-0.001	-0.009254	0.002	20.410	ug/L
>	Bi	209	327879.172	327879.172				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	98.780
	Be	9.012	
	V	50.944	
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	95.390
	As	74.922	
	Se	76.920	

: 00488

	Se	81.917	
>	Rh	102.905	84.316
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	94.439
	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	100.323

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B12045-CCB	Se	82	

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	488810.878	488810.878		ug/L
	Be	9	0.000	-0.000	-0.001142	ug/L
	V	51	2782.324	0.001	0.031585	ug/L
	Cr	52	7975.536	0.002	0.069388	ug/L
	Cr	53	282.008	0.000	0.122252	ug/L
	Co	59	52.001	-0.000	-0.002887	ug/L
	Cu	63	664.036	-0.001	-0.036088	ug/L
	Cu	65	298.009	-0.000	-0.044638	ug/L
	Zn	66	184.004	-0.000	-0.032488	ug/L
	Zn	68	297.009	-0.000	-0.070874	ug/L
>	Ge	72	262808.788	262808.788		ug/L
	As	75	417.349	0.001	0.128036	ug/L
	Se	77	114.002	0.000	0.048778	ug/L
	Se	82	77.210	0.000	0.299987	ug/L
>	Rh	103	290040.302	290040.302		ug/L
	Ag	107	58.001	0.000	0.006341	ug/L
	Cd	111	0.844	-0.000	-0.000803	ug/L
	Cd	114	6.534	0.000	0.000243	ug/L
>	In	115	241377.840	241377.840		ug/L
	Sb	121	1365.144	0.005	0.190724	ug/L
	Sb	123	1018.075	0.004	0.193280	ug/L
	Tl	203	58.001	0.000	0.000538	ug/L
	Tl	205	108.002	-0.000	-0.001301	ug/L
	Pb	208	495.012	-0.001	-0.011178	ug/L
>	Bi	209	331713.838	331713.838		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	498298.783	498298.783		ug/L
	Be	9	4.000	0.000	0.012909	ug/L
	V	51	2717.243	0.001	0.028677	ug/L
	Cr	52	8211.800	0.003	0.108119	ug/L
	Cr	53	254.007	0.000	0.092370	ug/L
	Co	59	45.001	-0.000	-0.003820	ug/L
	Cu	63	698.041	-0.000	-0.025281	ug/L
	Cu	65	274.008	-0.000	-0.054374	ug/L
	Zn	66	208.008	-0.000	-0.013061	ug/L
	Zn	68	323.011	-0.000	-0.038475	ug/L
>	Ge	72	280456.280	280456.280		ug/L
	As	75	284.308	0.000	0.043446	ug/L
	Se	77	114.002	0.000	0.056806	ug/L
	Se	82	45.436	0.000	0.108987	ug/L
>	Rh	103	291540.878	291540.878		ug/L
	Ag	107	57.001	0.000	0.006174	ug/L
	Cd	111	15.408	0.000	0.007542	ug/L
	Cd	114	7.880	0.000	0.000544	ug/L
>	In	115	242029.010	242029.010		ug/L
	Sb	121	1397.161	0.005	0.195042	ug/L
	Sb	123	1037.834	0.004	0.197232	ug/L
	Tl	203	46.001	-0.000	-0.000878	ug/L
	Tl	205	128.002	-0.000	0.000047	ug/L
	Pb	208	545.013	0.001	-0.009184	ug/L
>	Bi	209	330740.201	330740.201		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	512981.588	512981.588		ug/L
	Be	9	3.000	0.000	0.008982	ug/L
	V	51	2653.582	0.001	0.018525	ug/L
	Cr	52	8084.664	0.003	0.089873	ug/L
	Cr	53	247.007	0.000	0.083507	ug/L
	Co	59	62.001	-0.000	-0.001788	ug/L
	Cu	63	598.031	-0.001	0.048470	ug/L
	Cu	65	264.008	-0.000	0.059239	ug/L
	Zn	66	237.008	0.000	0.012084	ug/L
	Zn	68	308.010	-0.000	0.056787	ug/L
>	Ge	72	261115.589	261115.589		ug/L
	As	75	231.859	0.000	0.008843	ug/L
	Se	77	121.002	0.000	0.114481	ug/L
	Se	82	60.827	0.000	0.202421	ug/L
>	Rh	103	298418.349	298418.349		ug/L
	Ag	107	65.001	0.000	0.007086	ug/L
	Cd	111	2.599	0.000	0.000441	ug/L

Sample ID: 0B12045-CCB
Report Date/Time: Friday, February 12, 2010 20:51:26

L	Cd	114	11.738	0.000	0.001385	ug/L
I>	In	115	236812.640	236812.640		ug/L
I	Sb	121	1387.151	0.005	0.159733	ug/L
L	Sb	123	977.689	0.004	0.188211	ug/L
I	Tl	203	44.001	-0.000	-0.001087	ug/L
I	Tl	205	125.002	-0.000	-0.000082	ug/L
I	Pb	208	574.015	-0.001	-0.007401	ug/L
I>	Bi	209	321163.478	321163.478		ug/L

2-16-10
cal: 0B15021
OPP 2-16
50 - Z

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence

Instrument #: 114
Date: 2-12-10
Analyst: DWG

Data File: 0B12049
Calibration BLK/ICB/CCB: 1% HNO3 LOT#1109060
Internal Standard #: 0020464

All samples are run at a 5x dilution which is accounted for on the prep benchsheet

Autosampler Position:

1. BLK/ICB/CCB/9120094
2. ICV/SCV/CCV 40ug/L 0010901
3. STD2 0.2 ug/L 9120100
4. STD3 1.0 ug/L 9120099
5. STD4 10 ug/L 9120098
6. STD5 20 ug/L 9120097
7. STD6 50 ug/L 9120096
8. STD7 100 ug/L 9120095
9. STD1 0.04 ug/L 9120101
10. IFA1 0010903
11. IFB1 0010904

Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor	Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor
1/17	1000975-BLK2				35/51				
2/18	1000975-BS2				36/52				
3/19	1002041-01				37/53				
4/20	1000975-MS2				38/54				
5/21	1000975-MSD2				39/55				
6/22	SR01				40/56				
7/23	1000975-PS2				41/57				
8/24	1002041-02				42/58				
9/25	1002041-03				43/59				
10/26	1002041-04				44/60				
11/27	1001065-BLK2				45/61				
12/28	1001065-BS2				46/62				
13/29	1002085-01				47/63				
14/30	1001065-MS2				48/64				
15/31	1001065-MSD2				49/65				
16/32	SR03				50/66				
17/33	1001065-PS2				51/67				
18/34	1002085-02				52/68				
19/35					53/69				
20/36					54/70				
21/37					55/71				
22/38					56/72				
23/39					57/73				
24/40					58/74				
25/41					59/75				
26/42					60/76				
27/43					61/77				
28/44					62/78				
29/45					63/79				
30/46					64/80				
31/47					65/81				
32/48					66/82				
33/49					67/83				
34/50					68/84				

Instrument Tuning Report

File Name: 12FEB2010_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	6.976	1505	2025	0.844	
Co	58.933	58.878	14195	2005	0.862	
In	114.904	114.878	27851	2000	0.850	
Ba	137.905	137.879	33450	1990	0.866	
Ce	139.905	139.928	33951	1985	0.879	
Tl	204.975	205.026	49823	1980	0.852	

Report Date/Time: Friday, February 12, 2010 20:57:40

Daily Performance Report

Sample ID: 0010896
Sample Date/Time: Friday, February 12, 2010 20:58:11
Sample Description:
Method File: C:\elandata\Method\6020A_Daily.mth
Dataset File: C:\elandata\Dataset\daily performance\0010896.2552
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_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	10229.5	10229.490	248.847	2.4
	Co	58.9	92108.9	92108.884	2311.423	2.5
	In	114.9	236277.0	236276.954	2919.501	1.2
	Tl	205.0	182645.7	182645.661	2920.198	1.6
⌈>	Ba	137.9	193692.9	193692.870	3966.132	2.0
⌊	Ba++	69.0	2814.4	0.015	0.000	2.1
⌈>	Ce	139.9	249496.4	249496.368	2813.917	1.1
⌊	CeO	155.9	6966.6	0.028	0.001	2.0
	Bkgd	220.0	5.8	5.833	2.483	42.6

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	9943.917	9943.917
Co	59	93360.167	93360.167
In	115	240807.670	240807.670
Tl	205	182415.922	182415.922
Ba	138	194160.553	194160.553
Ba++	69	2860.573	0.015
Ce	140	252667.184	252667.184
CeO	156	7117.544	0.028
Bkgd	220	4.000	4.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	10613.880	10613.880
Co	59	93978.193	93978.193
In	115	238015.601	238015.601
Tl	205	181186.211	181186.211
Ba	138	195258.666	195258.666
Ba++	69	2806.551	0.014
Ce	140	250972.999	250972.999
CeO	156	6749.187	0.027
Bkgd	220	6.000	6.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	10264.370	10264.370
Co	59	88799.566	88799.566
In	115	236127.584	236127.584
Tl	205	185990.348	185990.348
Ba	138	191715.310	191715.310
Ba++	69	2737.524	0.014
Ce	140	246613.013	246613.013
CeO	156	6827.261	0.028
Bkgd	220	2.000	2.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	10067.089	10067.089
Co	59	93517.201	93517.201
In	115	234478.628	234478.628

D-1

Tl	205	182334.892	182334.892
Ba	138	188393.421	188393.421
Ba++	69	2825.559	0.015
Ce	140	250925.368	250925.368
CeO	156	7051.479	0.028
Bkgd	220	9.000	9.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	10405.574	10405.574
Co	59	93495.925	93495.925
In	115	232317.168	232317.168
Tl	205	178213.819	178213.819
Ba	138	200202.975	200202.975
Ba++	69	2920.597	0.015
Ce	140	250339.334	250339.334
CeO	156	7093.521	0.028
Bkgd	220	7.000	7.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	10082.110	10082.110
Co	59	89502.254	89502.254
In	115	235915.071	235915.071
Tl	205	185732.774	185732.774
Ba	138	192426.297	192426.297
Ba++	69	2735.524	0.014
Ce	140	245460.311	245460.311
CeO	156	6960.390	0.028
Bkgd	220	7.000	7.000

Sample/Batch Report

User Name: Administrator
Computer Name: ELAN6000_22
Sample File: C:\Elandata\Sample\0B12049.sam
Report Date/Time: Friday, February 12, 2010 21:03:02

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
17		1000975-BLK2		Sample					
18		1000975-BS2		Sample					
19		1002041-01		Sample					
20		1000975-MS2		Sample					
21		1000975-MSD2		Sample					
22		0B12049-SRD1		Sample					
23		1000975-PS2		Sample					
24		1002041-02		Sample					
25		1002041-03		Sample					
26		1002041-04		Sample					
27		1001065-BLK2		Sample					
28		1001065-BS2		Sample					
29		1002085-01		Sample					
30		1001065-MS2		Sample					
31		1001065-MSD2		Sample					
32		0B12049-SRD2		Sample					
33		1001065-PS2		Sample					
34		1002085-02		Sample					

: 00495

Sample Information

Sample ID: 0B12049-CAL1
Autosampler Position: 1
Sample Date/Time: Friday, February 12, 2010 21:25:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\0B12049-CAL1.005
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Zn	66	223.672					ug/L
	Zn	68	340.678					ug/L
>	Ge	72	262811.140					ug/L
>	In	115	238313.204					ug/L
	Sb	121	293.342					ug/L
	Sb	123	240.377					ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
>	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
Zn	66	243.007			ug/L
Zn	68	341.012			ug/L
Ge	72	262130.788			ug/L
In	115	238080.948			ug/L
Sb	121	312.010			ug/L
Sb	123	244.377			ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Zn	66	205.008			ug/L
Zn	68	333.011			ug/L
Ge	72	263488.406			ug/L
In	115	240768.974			ug/L
Sb	121	287.009			ug/L
Sb	123	238.128			ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Zn	66	223.008			ug/L
Zn	68	348.012			ug/L
Ge	72	262814.231			ug/L
In	115	238076.698			ug/L
Sb	121	281.008			ug/L
Sb	123	237.626			ug/L

Sample Information

Sample ID: 0B12049-CAL2
Autosampler Position: 3
Sample Date/Time: Friday, February 12, 2010 21:28:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\0B12049-CAL2.006
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	338.678	0.000	0.200000	0.035	17.481	ug/L
|	Zn	68	400.682	0.000	0.200000	0.062	30.798	ug/L
⌊>	Ge	72	264737.321	264737.321				ug/L
⌈>	In	115	238019.604	238019.604				ug/L
|	Sb	121	1511.175	0.005	0.200000	0.003	1.588	ug/L
⌊	Sb	123	1162.645	0.004	0.200000	0.005	2.495	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	
⌈>	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
⌈	Zn	66	319.010	0.000	0.156763	ug/L
|	Zn	68	391.015	0.000	0.193306	ug/L
⌊>	Ge	72	267298.143	267298.143		ug/L
⌈>	In	115	239536.866	239536.866		ug/L
|	Sb	121	1524.178	0.006	0.200586	ug/L
⌊	Sb	123	1171.353	0.004	0.200288	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	348.012	0.000	0.217271	ug/L
|	Zn	68	390.015	0.000	0.176884	ug/L
⌊>	Ge	72	262026.048	262026.048		ug/L
⌈>	In	115	236716.688	236716.688		ug/L
|	Sb	121	1482.169	0.006	0.196584	ug/L
⌊	Sb	123	1132.724	0.004	0.194873	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	352.012	0.000	0.222986	ug/L
|	Zn	68	421.017	0.000	0.209810	ug/L
⌊>	Ge	72	264887.778	264887.778		ug/L
⌈>	In	115	237806.180	237806.180		ug/L
|	Sb	121	1527.178	0.006	0.202980	ug/L
⌊	Sb	123	1183.958	0.004	0.204838	ug/L

: 00497

Sample Information

Sample ID: 0B12049-CAL3
Autosampler Position: 4
Sample Date/Time: Friday, February 12, 2010 21:30:22
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\0B12049-CAL3.007
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	1301.132	0.004	1.018535	0.015	1.518	ug/L
⌊	Zn	68	1145.437	0.003	1.025313	0.054	5.251	ug/L
⌊>	Ge	72	264514.818	264514.818				ug/L
⌈>	In	115	240085.529	240085.529				ug/L
⌈	Sb	121	6902.069	0.028	1.002705	0.023	2.262	ug/L
⌊	Sb	123	5293.511	0.021	1.003048	0.026	2.559	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
⌊	Zn	67.925	
⌊>	Ge	71.922	
⌈>	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
⌈	Zn	66	1290.129	0.004	1.004868	ug/L
⌊	Zn	68	1197.112	0.003	1.037408	ug/L
⌊>	Ge	72	265208.350	265208.350		ug/L
⌈>	In	115	241241.816	241241.816		ug/L
⌈	Sb	121	6766.271	0.027	0.977103	ug/L
⌊	Sb	123	5179.552	0.020	0.975408	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	1326.136	0.004	1.035380	ug/L
⌊	Zn	68	1125.100	0.003	0.991529	ug/L
⌊>	Ge	72	265970.841	265970.841		ug/L
⌈>	In	115	240158.004	240158.004		ug/L
⌈	Sb	121	6957.456	0.028	1.010730	ug/L
⌊	Sb	123	5318.403	0.021	1.007567	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	1287.129	0.004	1.015291	ug/L
⌊	Zn	68	1114.086	0.003	0.987006	ug/L
⌊>	Ge	72	262386.162	262386.162		ug/L
⌈>	In	115	238858.787	238858.787		ug/L
⌈	Sb	121	6882.481	0.028	1.020281	ug/L
⌊	Sb	123	5282.578	0.022	1.026138	ug/L

Sample Information

Sample ID: 0B12049-CAL4
Autosampler Position: 5
Sample Date/Time: Friday, February 12, 2010 21:32:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\0B12049-CAL4.008
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	12133.084	0.045	10.012271	0.168	1.682	ug/L
|	Zn	68	9231.055	0.034	10.012958	0.297	2.963	ug/L
|>	Ge	72	262722.487	262722.487				ug/L
⌈>	In	115	236021.456	236021.456				ug/L
|	Sb	121	58098.235	0.245	9.987607	0.039	0.387	ug/L
⌊	Sb	123	45151.472	0.190	9.989474	0.142	1.423	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
⌈>	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
⌈	Zn	66	12052.280	0.046	9.955381	ug/L
|	Zn	68	9008.788	0.033	9.670773	ug/L
|>	Ge	72	266025.756	266025.756		ug/L
⌈>	In	115	238291.982	238291.982		ug/L
|	Sb	121	57937.802	0.244	9.948387	ug/L
⌊	Sb	123	44472.711	0.187	9.827108	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	12095.353	0.046	9.991123	ug/L
|	Zn	68	9388.257	0.034	10.198188	ug/L
|>	Ge	72	262428.349	262428.349		ug/L
⌈>	In	115	235827.112	235827.112		ug/L
|	Sb	121	58081.767	0.245	9.986751	ug/L
⌊	Sb	123	45405.813	0.191	10.049987	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	12251.621	0.046	10.130288	ug/L
|	Zn	68	9300.143	0.034	10.168814	ug/L
|>	Ge	72	260715.358	260715.358		ug/L
⌈>	In	115	235846.695	235846.695		ug/L
|	Sb	121	58275.338	0.246	10.025684	ug/L
⌊	Sb	123	45575.883	0.192	10.091331	ug/L

Sample Information

Sample ID: 0B12049-CAL5
Autosampler Position: 6
Sample Date/Time: Friday, February 12, 2010 21:34:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\0B12049-CAL5.009
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	24768.452	0.092	20.072543	0.293	1.462	ug/L
|	Zn	68	18554.921	0.068	20.048205	0.154	0.766	ug/L
|>	Ge	72	266160.923	266160.923				ug/L
⌈>	In	115	239091.354	239091.354				ug/L
|	Sb	121	114842.059	0.479	19.905121	0.354	1.777	ug/L
⌊	Sb	123	87578.386	0.365	19.828437	0.367	1.848	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
⌈>	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
⌈	Zn	66	24560.398	0.091	19.773841	ug/L
|	Zn	68	18811.401	0.068	19.980018	ug/L
|>	Ge	72	267981.681	267981.681		ug/L
⌈>	In	115	240868.804	240868.804		ug/L
|	Sb	121	113387.001	0.470	19.506123	ug/L
⌊	Sb	123	86362.315	0.358	19.406807	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
|	Zn	66	24717.641	0.092	20.063408	ug/L
|	Zn	68	18408.879	0.068	19.940468	ug/L
|>	Ge	72	265462.538	265462.538		ug/L
⌈>	In	115	237514.308	237514.308		ug/L
|	Sb	121	115668.164	0.486	20.180488	ug/L
⌊	Sb	123	88072.402	0.370	20.071719	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	25027.018	0.094	20.380378	ug/L
|	Zn	68	18844.488	0.069	20.224135	ug/L
|>	Ge	72	268158.581	268158.581		ug/L
⌈>	In	115	239801.248	239801.248		ug/L
|	Sb	121	115471.011	0.482	20.028750	ug/L
⌊	Sb	123	88300.442	0.368	20.008686	ug/L

Sample Information

Sample ID: 0B12049-CAL6
Autosampler Position: 7
Sample Date/Time: Friday, February 12, 2010 21:37:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\0B12049-CAL6.010
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Zn	66	61313.308	0.233	50.109792	0.426	0.850	ug/L
	Zn	68	44674.740	0.169	49.915957	1.218	2.441	ug/L
>	Ge	72	262481.224	262481.224				ug/L
>	In	115	238358.172	238358.172				ug/L
	Sb	121	286817.662	1.202	49.989722	0.358	0.717	ug/L
	Sb	123	219360.247	0.919	49.982992	0.448	0.895	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
>	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
	Zn	66	61525.463	0.231	49.820888	ug/L
	Zn	68	43886.881	0.164	48.672817	ug/L
>	Ge	72	264800.224	264800.224		ug/L
>	In	115	239283.638	239283.638		ug/L
	Sb	121	288793.972	1.193	49.613288	ug/L
	Sb	123	218058.628	0.910	49.491988	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Zn	66	61374.158	0.235	50.598188	ug/L
	Zn	68	45203.031	0.172	50.950023	ug/L
>	Ge	72	260197.980	260197.980		ug/L
>	In	115	235422.727	235422.727		ug/L
	Sb	121	283508.618	1.203	50.029082	ug/L
	Sb	123	216333.818	0.926	50.367817	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Zn	66	61040.313	0.232	49.909812	ug/L
	Zn	68	44932.329	0.170	50.224932	ug/L
>	Ge	72	262345.457	262345.457		ug/L
>	In	115	240387.652	240387.652		ug/L
	Sb	121	291182.400	1.210	50.328784	ug/L
	Sb	123	221687.294	0.921	50.089081	ug/L

: 00591

Sample Information

Sample ID: 0B12049-CAL7
Autosampler Position: 8
Sample Date/Time: Friday, February 12, 2010 21:39:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\0B12049-CAL7.011
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	120397.188	0.459	99.735830	1.652	1.656	ug/L
|	Zn	68	88352.976	0.336	99.855762	1.339	1.341	ug/L
|>	Ge	72	261708.872	261708.872				ug/L
⌈>	In	115	234943.691	234943.691				ug/L
|	Sb	121	592320.235	2.520	101.072285	3.088	3.056	ug/L
⌊	Sb	123	454494.986	1.934	101.142042	2.822	2.790	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
⌈>	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
⌈	Zn	66	119207.683	0.451	98.036886	ug/L
|	Zn	68	87629.102	0.331	98.318868	ug/L
|>	Ge	72	263587.980	263587.980		ug/L
⌈>	In	115	237448.341	237448.341		ug/L
|	Sb	121	578054.168	2.433	97.573934	ug/L
⌊	Sb	123	444608.879	1.872	97.921568	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	119708.917	0.460	99.829726	ug/L
|	Zn	68	88668.609	0.338	100.774342	ug/L
|>	Ge	72	259950.208	259950.208		ug/L
⌈>	In	115	230827.616	230827.616		ug/L
|	Sb	121	595584.166	2.578	103.420312	ug/L
⌊	Sb	123	455625.977	1.973	103.181774	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	122277.983	0.467	101.338887	ug/L
|	Zn	68	89862.221	0.338	100.474077	ug/L
|>	Ge	72	261588.431	261588.431		ug/L
⌈>	In	115	236567.115	236567.115		ug/L
|	Sb	121	603312.371	2.548	102.222609	ug/L
⌊	Sb	123	463060.104	1.958	102.322783	ug/L

: 00502

Quantitative Analysis Calibration Report

File Name:
File Path:
Calibration Type: External Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Zn	65.926	Linear Thru Zero	0.00	0.00	0.999984
Zn	67.925	Linear Thru Zero	0.00	0.00	0.999993
Ge	71.922	Linear Thru Zero	0.00	0.00	0.000000
In	114.904	Linear Thru Zero	0.00	0.00	0.000000
Sb	120.904	Linear Thru Zero	0.02	0.00	0.999806
Sb	122.904	Linear Thru Zero	0.02	0.00	0.999777

Method Equation

Analyte	Mass	Corrections
In	114.904	- 0.014038 * Sn 118
Sb	122.904	- 0.125884 * Te 125

: 00503

Sample Information

Sample ID: SCV1
Autosampler Position: 2
Sample Date/Time: Friday, February 12, 2010 21:52:16
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\SCV1.012
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	49782.396	0.188	40.864759	0.790	1.933	ug/L
|	Zn	68	36299.709	0.137	40.533097	0.754	1.860	ug/L
⌊>	Ge	72	263412.838	263412.838				ug/L
⌈>	In	115	238699.232	238699.232				ug/L
|	Sb	121	183769.942	0.769	30.830400	1.967	6.380	ug/L
⌊	Sb	123	140054.266	0.586	30.640365	1.667	5.439	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	100.229
⌈>	In	114.904	100.162
|	Sb	120.904	
⌊	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
SCV1	Sb	121	
SCV1	Sb	123	

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	49358.380	0.184	39.968841	ug/L
|	Zn	68	35798.643	0.134	39.688628	ug/L
⌊>	Ge	72	265356.787	265356.787		ug/L
⌈>	In	115	240274.060	240274.060		ug/L
|	Sb	121	174744.388	0.729	28.114618	ug/L
⌊	Sb	123	133282.882	0.554	25.998787	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	49833.730	0.190	41.184211	ug/L
|	Zn	68	36368.715	0.138	40.887428	ug/L
⌊>	Ge	72	261755.386	261755.386		ug/L
⌈>	In	115	238316.758	238316.758		ug/L
|	Sb	121	180865.253	0.758	30.389046	ug/L
⌊	Sb	123	139988.384	0.586	30.670579	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	50454.088	0.191	41.461128	ug/L
|	Zn	68	36731.588	0.139	41.082238	ug/L
⌊>	Ge	72	263124.343	263124.343		ug/L
⌈>	In	115	237507.688	237507.688		ug/L
|	Sb	121	185610.184	0.822	32.977237	ug/L
⌊	Sb	123	146883.831	0.617	32.291730	ug/L

Sample Information

Sample ID: SCV1
Autosampler Position: 2
Sample Date/Time: Friday, February 12, 2010 21:59:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\SCV1.013
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	48875.806	0.184	39.922507	0.268	0.671	ug/L
|	Zn	68	35973.388	0.135	39.969056	0.326	0.815	ug/L
⌊>	Ge	72	264673.382	264673.382				ug/L
⌈>	In	115	239972.258	239972.258				ug/L
|	Sb	121	223980.271	0.932	37.388552	0.958	2.563	ug/L
⌊	Sb	123	170388.559	0.709	37.090728	0.830	2.238	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	100.709
⌈>	In	114.904	100.696
|	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
⌈	Zn	66	49058.390	0.184	40.082408	ug/L
|	Zn	68	35879.244	0.133	39.826738	ug/L
⌊>	Ge	72	264742.535	264742.535		ug/L
⌈>	In	115	241678.081	241678.081		ug/L
|	Sb	121	222228.149	0.916	36.823829	ug/L
⌊	Sb	123	169838.750	0.702	36.701479	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	48988.977	0.186	40.091442	ug/L
|	Zn	68	35940.552	0.136	40.000588	ug/L
⌊>	Ge	72	264225.919	264225.919		ug/L
⌈>	In	115	242480.446	242480.446		ug/L
|	Sb	121	223104.934	0.919	36.846842	ug/L
⌊	Sb	123	169564.161	0.698	36.526803	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	48569.081	0.182	39.813870	ug/L
|	Zn	68	36300.388	0.136	40.277833	ug/L
⌊>	Ge	72	265061.662	265061.662		ug/L
⌈>	In	115	238780.239	238780.239		ug/L
|	Sb	121	228909.739	0.960	38.494784	ug/L
⌊	Sb	123	171732.764	0.727	38.043903	ug/L

: 09505

Sample Information

Sample ID: CCB
Autosampler Position: 1
Sample Date/Time: Friday, February 12, 2010 22:12:49
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\CCB.014
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[	Zn	66	282.342	0.000	0.043916	0.045	101.754	ug/L
[	Zn	68	342.678	-0.000	-0.005214	0.011	211.606	ug/L
[>	Ge	72	267969.668	267969.668				ug/L
[>	In	115	242379.778	242379.778				ug/L
[	Sb	121	695.708	0.002	0.065766	0.011	17.261	ug/L
[	Sb	123	544.896	0.001	0.064826	0.004	6.386	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[	Zn	65.926	
[	Zn	67.925	
[>	Ge	71.922	101.963
[>	In	114.904	101.706
[	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
[	Zn	66	219.008	-0.000	-0.008703	ug/L
[	Zn	68	330.011	-0.000	-0.017915	ug/L
[>	Ge	72	267010.563	267010.563		ug/L
[>	In	115	243288.670	243288.670		ug/L
[	Sb	121	621.033	0.001	0.063011	ug/L
[	Sb	123	547.523	0.001	0.064958	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Zn	66	324.011	0.000	0.077892	ug/L
[	Zn	68	348.012	0.000	0.002011	ug/L
[>	Ge	72	267840.924	267840.924		ug/L
[>	In	115	241678.158	241678.158		ug/L
[	Sb	121	748.047	0.002	0.074780	ug/L
[	Sb	123	563.147	0.001	0.068888	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Zn	66	304.010	0.000	0.060666	ug/L
[	Zn	68	349.012	0.000	0.000281	ug/L
[>	Ge	72	269057.387	269057.387		ug/L
[>	In	115	242192.508	242192.508		ug/L
[	Sb	121	718.043	0.002	0.069528	ug/L
[	Sb	123	525.018	0.001	0.060522	ug/L

: 00506

Sample Information

Sample ID: CRL2
Autosampler Position: 4
Sample Date/Time: Friday, February 12, 2010 22:15:04
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\CRL2.015
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	1369.812	0.004	0.931373	0.021	2.224	ug/L
|	Zn	68	1160.773	0.003	0.908192	0.020	2.243	ug/L
|>	Ge	72	266184.686	266184.686				ug/L
⌈>	In	115	241964.088	241964.088				ug/L
|	Sb	121	7430.604	0.029	1.182114	0.016	1.352	ug/L
⌊	Sb	123	5746.406	0.023	1.189355	0.021	1.750	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	101.414
⌈>	In	114.904	101.532
|	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
⌈	Zn	66	1378.146	0.004	0.937998	ug/L
|	Zn	68	1177.108	0.003	0.928081	ug/L
|>	Ge	72	266184.686	266184.686		ug/L
⌈>	In	115	241638.340	241638.340		ug/L
|	Sb	121	7343.848	0.029	1.169218	ug/L
⌊	Sb	123	5788.881	0.023	1.195227	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	1340.139	0.004	0.906156	ug/L
|	Zn	68	1141.103	0.003	0.887379	ug/L
|>	Ge	72	266297.780	266297.780		ug/L
⌈>	In	115	242563.188	242563.188		ug/L
|	Sb	121	7418.929	0.029	1.177137	ug/L
⌊	Sb	123	5853.538	0.022	1.165238	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	1383.160	0.004	0.947906	ug/L
|	Zn	68	1184.108	0.003	0.909114	ug/L
|>	Ge	72	267103.043	267103.043		ug/L
⌈>	In	115	241682.734	241682.734		ug/L
|	Sb	121	7530.048	0.030	1.199890	ug/L
⌊	Sb	123	5819.798	0.023	1.206803	ug/L

: 00507

Sample Information

Sample ID: IFA1
Autosampler Position: 10
Sample Date/Time: Friday, February 12, 2010 22:17:54
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\IFA1.016
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	4388.058	0.015	3.341423	0.043	1.292	ug/L
|	Zn	68	3355.822	0.011	3.301507	0.031	0.937	ug/L
⌊>	Ge	72	270296.430	270296.430				ug/L
⌈>	In	115	241341.837	241341.837				ug/L
|	Sb	121	21394.207	0.087	3.506039	0.053	1.513	ug/L
⌊	Sb	123	16207.778	0.066	3.460510	0.075	2.164	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	102.848
⌈>	In	114.904	101.271
|	Sb	120.904	
⌊	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
IFA1	Sb	121	
IFA1	Sb	123	

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	4391.393	0.015	3.282137	ug/L
|	Zn	68	3379.833	0.011	3.273277	ug/L
⌊>	Ge	72	274307.588	274307.588		ug/L
⌈>	In	115	245725.274	245725.274		ug/L
|	Sb	121	21416.272	0.088	3.445818	ug/L
⌊	Sb	123	16201.139	0.065	3.395608	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	4391.393	0.016	3.372472	ug/L
|	Zn	68	3358.823	0.011	3.334634	ug/L
⌊>	Ge	72	268112.848	268112.848		ug/L
⌈>	In	115	238628.888	238628.888		ug/L
|	Sb	121	21208.666	0.088	3.544958	ug/L
⌊	Sb	123	16268.034	0.068	3.542410	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	4381.387	0.015	3.358880	ug/L
|	Zn	68	3328.809	0.011	3.296508	ug/L
⌊>	Ge	72	268468.858	268468.858		ug/L
⌈>	In	115	241671.570	241671.570		ug/L
|	Sb	121	21536.986	0.089	3.527843	ug/L
⌊	Sb	123	16156.161	0.066	3.443613	ug/L

: 00508

Sample Information

Sample ID: IFA1
Autosampler Position: 10
Sample Date/Time: Friday, February 12, 2010 22:21:26
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\IFA1.017
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	205.005	-0.000	-0.018244	0.006	34.742	ug/L
|	Zn	68	317.677	-0.000	-0.032050	0.010	30.610	ug/L
⌊>	Ge	72	267306.642	267306.642				ug/L
⌈>	In	115	240152.078	240152.078				ug/L
|	Sb	121	373.347	0.000	0.012981	0.000	2.322	ug/L
⌊	Sb	123	302.881	0.000	0.013197	0.004	32.459	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	101.711
⌈>	In	114.904	100.772
|	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
⌈	Zn	66	200.005	-0.000	-0.023588	ug/L
|	Zn	68	321.010	-0.000	-0.031056	ug/L
⌊>	Ge	72	269374.004	269374.004		ug/L
⌈>	In	115	239916.488	239916.488		ug/L
|	Sb	121	374.014	0.000	0.013154	ug/L
⌊	Sb	123	294.631	0.000	0.011479	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	203.006	-0.000	-0.019808	ug/L
|	Zn	68	326.011	-0.000	-0.022775	ug/L
⌊>	Ge	72	267314.748	267314.748		ug/L
⌈>	In	115	239348.516	239348.516		ug/L
|	Sb	121	370.013	0.000	0.012832	ug/L
⌊	Sb	123	297.379	0.000	0.010043	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	212.006	-0.000	-0.011240	ug/L
|	Zn	68	308.010	-0.000	-0.042320	ug/L
⌊>	Ge	72	265231.175	265231.175		ug/L
⌈>	In	115	241193.232	241193.232		ug/L
|	Sb	121	376.014	0.000	0.013156	ug/L
⌊	Sb	123	326.633	0.000	0.018074	ug/L

: 00509

Sample Information

Sample ID: IFB1
Autosampler Position: 11
Sample Date/Time: Friday, February 12, 2010 22:23:41
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\IFB1.018
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	24331.615	0.091	19.767270	0.330	1.669	ug/L
|	Zn	68	18186.974	0.067	20.002435	0.373	1.867	ug/L
\>	Ge	72	264903.740	264903.740				ug/L
⌈>	In	115	240492.359	240492.359				ug/L
|	Sb	121	111745.448	0.463	18.583621	0.156	0.841	ug/L
⌊	Sb	123	84977.806	0.352	18.427612	0.222	1.207	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
\>	Ge	71.922	100.796
⌈>	In	114.904	100.914
|	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
⌈	Zn	66	24195.151	0.090	19.445353	ug/L
|	Zn	68	18030.908	0.066	19.613388	ug/L
\>	Ge	72	267696.625	267696.625		ug/L
⌈>	In	115	241041.630	241041.630		ug/L
|	Sb	121	110980.780	0.458	18.415467	ug/L
⌊	Sb	123	84308.982	0.349	18.240294	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	24488.143	0.091	19.751882	ug/L
|	Zn	68	18348.718	0.067	20.038768	ug/L
\>	Ge	72	268750.218	268750.218		ug/L
⌈>	In	115	239818.874	239818.874		ug/L
|	Sb	121	111642.831	0.464	18.610863	ug/L
⌊	Sb	123	84507.307	0.351	18.388133	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	24313.553	0.093	20.104585	ug/L
|	Zn	68	18183.298	0.069	20.368150	ug/L
\>	Ge	72	260266.380	260266.380		ug/L
⌈>	In	115	240516.574	240516.574		ug/L
|	Sb	121	112602.732	0.467	18.724532	ug/L
⌊	Sb	123	85117.130	0.357	18.673410	ug/L

Sample Information

Sample ID: CCV
Autosampler Position: 2
Sample Date/Time: Friday, February 12, 2010 22:25:56
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\CCV.019
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	49355.091	0.185	40.114843	0.580	1.445	ug/L
|	Zn	68	36428.359	0.136	40.275158	0.489	1.213	ug/L
|>	Ge	72	266015.909	266015.909				ug/L
⌈>	In	115	241414.073	241414.073				ug/L
|	Sb	121	228111.449	0.944	37.842471	0.685	1.811	ug/L
⌊	Sb	123	174086.132	0.720	37.662419	0.396	1.051	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	101.219
⌈>	In	114.904	101.301
|	Sb	120.904	
⌊	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	49082.548	0.184	40.034126	ug/L
|	Zn	68	36878.749	0.134	39.918388	ug/L
|>	Ge	72	265053.787	265053.787		ug/L
⌈>	In	115	242836.198	242836.198		ug/L
|	Sb	121	225878.857	0.928	37.200980	ug/L
⌊	Sb	123	173153.581	0.712	37.238368	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	49706.850	0.188	40.730806	ug/L
|	Zn	68	36629.043	0.138	40.832166	ug/L
|>	Ge	72	263864.569	263864.569		ug/L
⌈>	In	115	239833.884	239833.884		ug/L
|	Sb	121	226143.268	0.942	37.762111	ug/L
⌊	Sb	123	173233.498	0.721	37.724083	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	49278.675	0.182	39.579647	ug/L
|	Zn	68	36876.288	0.135	40.074841	ug/L
|>	Ge	72	269139.402	269139.402		ug/L
⌈>	In	115	241569.138	241569.138		ug/L
|	Sb	121	232912.189	0.982	38.564341	ug/L
⌊	Sb	123	175871.311	0.727	38.023816	ug/L

Sample Information

Sample ID: CCB
Autosampler Position: 1
Sample Date/Time: Friday, February 12, 2010 22:41:16
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\CCB.020
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	238.673	0.000	0.007026	0.008	108.146	ug/L
|	Zn	68	348.679	-0.000	-0.001713	0.017	973.699	ug/L
|>	Ge	72	270238.928	270238.928				ug/L
⌈>	In	115	245189.969	245189.969				ug/L
|	Sb	121	533.025	0.001	0.037843	0.007	18.789	ug/L
⌊	Sb	123	406.344	0.001	0.033973	0.007	19.744	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	102.826
⌈>	In	114.904	102.886
|	Sb	120.904	
⌊	Sb	122.904	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	234.008	0.000	0.000838	ug/L
|	Zn	68	348.012	-0.000	-0.000681	ug/L
|>	Ge	72	274010.500	274010.500		ug/L
⌈>	In	115	246326.567	246326.567		ug/L
|	Sb	121	486.021	0.001	0.029781	ug/L
⌊	Sb	123	387.882	0.001	0.029802	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	233.008	0.000	0.005014	ug/L
|	Zn	68	337.011	-0.000	0.012874	ug/L
|>	Ge	72	268636.281	268636.281		ug/L
⌈>	In	115	247318.881	247318.881		ug/L
|	Sb	121	556.027	0.001	0.040833	ug/L
⌊	Sb	123	394.260	0.001	0.030830	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	247.007	0.000	0.015428	ug/L
|	Zn	68	353.013	0.000	0.017486	ug/L
|>	Ge	72	267871.022	267871.022		ug/L
⌈>	In	115	241824.468	241824.468		ug/L
|	Sb	121	558.027	0.001	0.043138	ug/L
⌊	Sb	123	436.882	0.001	0.041696	ug/L

Sample Information

Sample ID: 1000975-BLK2
Autosampler Position: 17
Sample Date/Time: Friday, February 12, 2010 22:43:30
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\1000975-BLK2.021
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	159.003	-0.000	-0.056911	0.015	25.827	ug/L
|	Zn	68	272.341	-0.000	-0.085251	0.022	26.055	ug/L
⌊>	Ge	72	269903.125	269903.125				ug/L
⌈>	In	115	245112.134	245112.134				ug/L
|	Sb	121	367.013	0.000	0.010684	0.000	3.739	ug/L
⌊	Sb	123	262.544	0.000	0.003271	0.005	167.797	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	102.699
⌈>	In	114.904	102.853
|	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
⌈	Zn	66	173.004	-0.000	-0.048083	ug/L
|	Zn	68	258.007	-0.000	0.104181	ug/L
⌊>	Ge	72	270803.578	270803.578		ug/L
⌈>	In	115	245861.307	245861.307		ug/L
|	Sb	121	366.013	0.000	0.010223	ug/L
⌊	Sb	123	234.503	-0.000	-0.002829	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	136.003	-0.000	-0.073646	ug/L
|	Zn	68	257.008	-0.000	-0.080780	ug/L
⌊>	Ge	72	269842.174	269842.174		ug/L
⌈>	In	115	244204.488	244204.488		ug/L
|	Sb	121	367.013	0.000	0.010807	ug/L
⌊	Sb	123	268.979	0.000	0.004831	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	166.004	-0.000	-0.060996	ug/L
|	Zn	68	294.009	-0.000	-0.080808	ug/L
⌊>	Ge	72	269363.623	269363.623		ug/L
⌈>	In	115	245470.588	245470.588		ug/L
|	Sb	121	369.013	0.000	0.010923	ug/L
⌊	Sb	123	284.253	0.000	0.007810	ug/L

: 00513

Sample Information

Sample ID: 1000975-BS2
Autosampler Position: 18
Sample Date/Time: Friday, February 12, 2010 22:45:29
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\1000975-BS2.022
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[	Zn	66	13875.603	0.051	11.076299	0.139	1.257	ug/L
|	Zn	68	10380.307	0.037	11.131269	0.071	0.635	ug/L
[>	Ge	72	267627.621	267627.621				ug/L
[>	In	115	242828.207	242828.207				ug/L
|	Sb	121	62942.403	0.258	10.345630	0.084	0.817	ug/L
[	Sb	123	47834.366	0.196	10.250392	0.084	0.815	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[	Zn	65.926	
|	Zn	67.925	
[>	Ge	71.922	101.833
[>	In	114.904	101.895
|	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
[	Zn	66	13788.433	0.050	10.937798	ug/L
|	Zn	68	10386.880	0.037	11.088648	ug/L
[>	Ge	72	268243.207	268243.207		ug/L
[>	In	115	245640.179	245640.179		ug/L
|	Sb	121	63208.066	0.256	10.273507	ug/L
[	Sb	123	47821.191	0.194	10.154610	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Zn	66	13890.632	0.051	11.074846	ug/L
|	Zn	68	10379.640	0.037	11.116898	ug/L
[>	Ge	72	267837.446	267837.446		ug/L
[>	In	115	239527.357	239527.357		ug/L
|	Sb	121	62846.142	0.260	10.438568	ug/L
[	Sb	123	47448.050	0.197	10.307860	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Zn	66	13947.744	0.052	11.216252	ug/L
|	Zn	68	10374.633	0.038	11.208082	ug/L
[>	Ge	72	265702.208	265702.208		ug/L
[>	In	115	243417.088	243417.088		ug/L
|	Sb	121	62973.001	0.257	10.324819	ug/L
[	Sb	123	48132.858	0.197	10.289016	ug/L

: 00514

Sample Information

Sample ID: 1002041-01
Autosampler Position: 19
Sample Date/Time: Friday, February 12, 2010 22:55:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\1002041-01.023
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	655.704	0.002	0.346090	0.060	17.286	ug/L
|	Zn	68	1342.140	0.004	1.099910	0.045	4.102	ug/L
L>	Ge	72	268403.400	268403.400				ug/L
⌈>	In	115	243733.258	243733.258				ug/L
|	Sb	121	564.695	0.001	0.043559	0.003	6.777	ug/L
L	Sb	123	433.931	0.001	0.040330	0.003	7.448	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
L>	Ge	71.922	102.128
⌈>	In	114.904	102.274
|	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
⌈	Zn	66	618.033	0.001	0.312081	ug/L
|	Zn	68	1309.133	0.004	1.051653	ug/L
L>	Ge	72	270574.121	270574.121		ug/L
⌈>	In	115	248484.350	248484.350		ug/L
|	Sb	121	564.028	0.001	0.041863	ug/L
L	Sb	123	457.883	0.001	0.043623	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	614.033	0.001	0.311048	ug/L
|	Zn	68	1362.148	0.004	1.141041	ug/L
L>	Ge	72	268930.758	268930.758		ug/L
⌈>	In	115	242312.754	242312.754		ug/L
|	Sb	121	582.030	0.001	0.046980	ug/L
L	Sb	123	419.261	0.001	0.037739	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	734.046	0.002	0.415188	ug/L
|	Zn	68	1336.138	0.004	1.107036	ug/L
L>	Ge	72	265706.322	265706.322		ug/L
⌈>	In	115	240402.688	240402.688		ug/L
|	Sb	121	548.027	0.001	0.042084	ug/L
L	Sb	123	424.639	0.001	0.039828	ug/L

Sample Information

Sample ID: 1000975-MS2
Autosampler Position: 20
Sample Date/Time: Friday, February 12, 2010 22:57:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\1000975-MS2.024
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	13690.579	0.050	10.874765	0.184	1.696	ug/L
|	Zn	68	10886.732	0.039	11.637312	0.133	1.143	ug/L
⌊>	Ge	72	268879.450	268879.450				ug/L
⌈>	In	115	240403.476	240403.476				ug/L
|	Sb	121	71555.020	0.296	11.887870	0.216	1.813	ug/L
⌊	Sb	123	54742.818	0.227	11.858323	0.221	1.864	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	102.309
⌈>	In	114.904	100.877
|	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
⌈	Zn	66	13568.012	0.048	10.669087	ug/L
|	Zn	68	10866.361	0.039	11.485412	ug/L
⌊>	Ge	72	271517.951	271517.951		ug/L
⌈>	In	115	243029.340	243029.340		ug/L
|	Sb	121	70856.406	0.290	11.641980	ug/L
⌊	Sb	123	54363.182	0.223	11.644140	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	13672.209	0.050	10.929822	ug/L
|	Zn	68	10904.428	0.040	11.733340	ug/L
⌊>	Ge	72	267165.308	267165.308		ug/L
⌈>	In	115	237636.948	237636.948		ug/L
|	Sb	121	71697.454	0.300	12.044389	ug/L
⌊	Sb	123	55153.414	0.231	12.086733	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	13830.515	0.051	11.025376	ug/L
|	Zn	68	10800.420	0.039	11.693184	ug/L
⌊>	Ge	72	267855.088	267855.088		ug/L
⌈>	In	115	240545.144	240545.144		ug/L
|	Sb	121	72143.202	0.299	11.977249	ug/L
⌊	Sb	123	54721.858	0.226	11.845087	ug/L

Sample Information

Sample ID: 1000975-MSD2
Autosampler Position: 21
Sample Date/Time: Friday, February 12, 2010 22:59:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\1000975-MSD2.025
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Zn	66	13392.347	0.049	10.702027	0.290	2.708	ug/L
	Zn	68	10708.796	0.039	11.515132	0.209	1.813	ug/L
>	Ge	72	267195.834	267195.834				ug/L
>	In	115	240687.579	240687.579				ug/L
	Sb	121	70841.946	0.293	11.754180	0.141	1.202	ug/L
	Sb	123	53539.779	0.221	11.581506	0.091	0.785	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	101.668
>	In	114.904	100.996
	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
	Zn	66	13154.233	0.048	10.452992	ug/L
	Zn	68	10680.086	0.038	11.422153	ug/L
>	Ge	72	268668.388	268668.388		ug/L
>	In	115	242861.643	242861.643		ug/L
	Sb	121	70535.286	0.289	11.687368	ug/L
	Sb	123	53862.880	0.220	11.503566	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Zn	66	13307.519	0.048	10.632972	ug/L
	Zn	68	10578.651	0.038	11.369880	ug/L
>	Ge	72	267174.648	267174.648		ug/L
>	In	115	239350.942	239350.942		ug/L
	Sb	121	70886.744	0.294	11.793408	ug/L
	Sb	123	53143.241	0.221	11.559618	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Zn	66	13715.292	0.051	11.020117	ug/L
	Zn	68	10868.372	0.040	11.754263	ug/L
>	Ge	72	265847.468	265847.468		ug/L
>	In	115	239850.151	239850.151		ug/L
	Sb	121	71302.829	0.296	11.871783	ug/L
	Sb	123	53813.238	0.223	11.681444	ug/L

: 00517

Sample Information

Sample ID: 0B12049-SRD1
Autosampler Position: 22
Sample Date/Time: Friday, February 12, 2010 23:05:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\0B12049-SRD1.026
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	256.341	0.000	0.022459	0.015	68.684	ug/L
|	Zn	68	474.021	0.000	0.139188	0.031	22.291	ug/L
⌊>	Ge	72	268537.422	268537.422				ug/L
⌈>	In	115	242264.916	242264.916				ug/L
|	Sb	121	232.006	-0.000	-0.010959	0.001	9.357	ug/L
⌊	Sb	123	178.419	-0.000	-0.014235	0.002	16.567	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	102.179
⌈>	In	114.904	101.658
|	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
⌈	Zn	66	246.007	0.000	0.015112	ug/L
|	Zn	68	462.020	0.000	0.128494	ug/L
⌊>	Ge	72	267207.867	267207.867		ug/L
⌈>	In	115	242472.411	242472.411		ug/L
|	Sb	121	233.008	-0.000	-0.010825	ug/L
⌊	Sb	123	186.004	-0.000	-0.012201	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	244.007	0.000	0.012080	ug/L
|	Zn	68	463.019	0.000	0.114823	ug/L
⌊>	Ge	72	269116.569	269116.569		ug/L
⌈>	In	115	241797.632	241797.632		ug/L
|	Sb	121	225.008	-0.000	-0.012044	ug/L
⌊	Sb	123	180.626	-0.000	-0.013884	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	279.008	0.000	0.040184	ug/L
|	Zn	68	507.023	0.001	0.174147	ug/L
⌊>	Ge	72	269287.844	269287.844		ug/L
⌈>	In	115	242524.704	242524.704		ug/L
|	Sb	121	238.008	0.000	0.010007	ug/L
⌊	Sb	123	164.626	0.000	-0.016820	ug/L

Sample Information

Sample ID: 1000975-PS2
Autosampler Position: 23
Sample Date/Time: Friday, February 12, 2010 23:07:20
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\1000975-PS2.027
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[	Zn	66	23918.887	0.088	19.216301	0.241	1.253	ug/L
|	Zn	68	18359.758	0.067	19.975035	0.642	3.216	ug/L
[>	Ge	72	267781.687	267781.687				ug/L
[>	In	115	240997.349	240997.349				ug/L
|	Sb	121	108773.161	0.450	18.056223	0.574	3.180	ug/L
[	Sb	123	82077.936	0.340	17.764553	0.455	2.559	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[	Zn	65.926	
|	Zn	67.925	
[>	Ge	71.922	101.891
[>	In	114.904	101.126
|	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
[	Zn	66	23888.117	0.087	18.996448	ug/L
|	Zn	68	17891.568	0.066	19.253234	ug/L
[>	Ge	72	270498.329	270498.329		ug/L
[>	In	115	245354.192	245354.192		ug/L
|	Sb	121	107407.587	0.437	17.505278	ug/L
[	Sb	123	81190.130	0.339	17.253937	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Zn	66	23802.632	0.088	19.180388	ug/L
|	Zn	68	18763.801	0.069	20.483883	ug/L
[>	Ge	72	266958.798	266958.798		ug/L
[>	In	115	240382.536	240382.536		ug/L
|	Sb	121	108269.462	0.449	18.012125	ug/L
[	Sb	123	82581.461	0.343	17.814582	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Zn	66	24088.713	0.090	19.473092	ug/L
|	Zn	68	18423.914	0.068	20.188197	ug/L
[>	Ge	72	265887.934	265887.934		ug/L
[>	In	115	237258.318	237258.318		ug/L
|	Sb	121	110842.434	0.466	18.661267	ug/L
[	Sb	123	82482.218	0.347	18.125130	ug/L

Sample Information

Sample ID: 1002041-02
Autosampler Position: 24
Sample Date/Time: Friday, February 12, 2010 23:13:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\1002041-02.028
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[	Zn	66	969.742	0.003	0.596434	0.015	2.525	ug/L
|	Zn	68	1436.492	0.004	1.197216	0.028	2.371	ug/L
[>	Ge	72	269558.942	269558.942				ug/L
[>	In	115	242031.251	242031.251				ug/L
|	Sb	121	1021.750	0.003	0.119979	0.006	4.935	ug/L
[	Sb	123	781.545	0.002	0.116134	0.002	1.653	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[	Zn	65.926	
|	Zn	67.925	
[>	Ge	71.922	102.568
[>	In	114.904	101.560
|	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
[	Zn	66	992.078	0.003	0.611207	ug/L
|	Zn	68	1451.182	0.004	1.208629	ug/L
[>	Ge	72	270871.717	270871.717		ug/L
[>	In	115	244483.154	244483.154		ug/L
|	Sb	121	1011.082	0.003	0.118478	ug/L
[	Sb	123	780.421	0.002	0.114199	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Zn	66	943.072	0.003	0.581107	ug/L
|	Zn	68	1398.180	0.004	1.165253	ug/L
[>	Ge	72	267412.300	267412.300		ug/L
[>	In	115	243276.434	243276.434		ug/L
|	Sb	121	1007.081	0.003	0.118643	ug/L
[	Sb	123	784.423	0.002	0.118036	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Zn	66	974.076	0.003	0.599669	ug/L
|	Zn	68	1462.194	0.004	1.219466	ug/L
[>	Ge	72	270582.810	270582.810		ug/L
[>	In	115	236336.166	236336.166		ug/L
|	Sb	121	1047.087	0.003	0.120816	ug/L
[	Sb	123	788.780	0.002	0.116175	ug/L

00520

Sample Information

Sample ID: 1002041-03
Autosampler Position: 25
Sample Date/Time: Friday, February 12, 2010 23:15:37
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\1002041-03.029
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	2407.430	0.008	1.758332	0.044	2.516	ug/L
|	Zn	68	2388.757	0.008	2.250858	0.032	1.415	ug/L
|>	Ge	72	269090.153	269090.153				ug/L
⌈>	In	115	241438.489	241438.489				ug/L
|	Sb	121	2657.521	0.010	0.392078	0.006	1.503	ug/L
⌊	Sb	123	1994.170	0.007	0.379290	0.013	3.351	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	102.389
⌈>	In	114.904	101.311
|	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
⌈	Zn	66	2417.433	0.008	1.784929	ug/L
|	Zn	68	2372.418	0.008	2.257720	ug/L
|>	Ge	72	268548.903	268548.903		ug/L
⌈>	In	115	244246.182	244246.182		ug/L
|	Sb	121	2648.617	0.010	0.388478	ug/L
⌊	Sb	123	1950.034	0.007	0.364809	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	2453.446	0.008	1.782807	ug/L
|	Zn	68	2372.418	0.007	2.216131	ug/L
|>	Ge	72	270810.648	270810.648		ug/L
⌈>	In	115	243019.225	243019.225		ug/L
|	Sb	121	2688.532	0.010	0.393844	ug/L
⌊	Sb	123	2050.811	0.007	0.388803	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	2351.410	0.008	1.707266	ug/L
|	Zn	68	2421.435	0.008	2.278724	ug/L
|>	Ge	72	269810.710	269810.710		ug/L
⌈>	In	115	237051.058	237051.058		ug/L
|	Sb	121	2637.513	0.010	0.388813	ug/L
⌊	Sb	123	1981.666	0.007	0.364459	ug/L

: 00521

Sample Information

Sample ID: 1002041-04
Autosampler Position: 26
Sample Date/Time: Friday, February 12, 2010 23:17:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\1002041-04.030
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	3344.149	0.012	2.529628	0.045	1.773	ug/L
|	Zn	68	2958.642	0.010	2.898377	0.077	2.674	ug/L
⌊>	Ge	72	267592.560	267592.560				ug/L
⌈>	In	115	239464.260	239464.260				ug/L
|	Sb	121	2372.418	0.009	0.347913	0.005	1.538	ug/L
⌊	Sb	123	1817.954	0.007	0.344329	0.013	3.793	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	101.819
⌈>	In	114.904	100.483
|	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
⌈	Zn	66	3305.798	0.011	2.478253	ug/L
|	Zn	68	2952.640	0.010	2.898743	ug/L
⌊>	Ge	72	269804.461	269804.461		ug/L
⌈>	In	115	240043.814	240043.814		ug/L
|	Sb	121	2414.432	0.009	0.353983	ug/L
⌊	Sb	123	1758.479	0.008	0.330381	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	3341.815	0.012	2.560879	ug/L
|	Zn	68	3001.681	0.010	2.986879	ug/L
⌊>	Ge	72	264330.681	264330.681		ug/L
⌈>	In	115	238154.743	238154.743		ug/L
|	Sb	121	2335.406	0.009	0.343878	ug/L
⌊	Sb	123	1862.508	0.007	0.356286	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	3384.836	0.012	2.549862	ug/L
|	Zn	68	2921.627	0.010	2.841709	ug/L
⌊>	Ge	72	268842.527	268842.527		ug/L
⌈>	In	115	240194.222	240194.222		ug/L
|	Sb	121	2387.418	0.009	0.345881	ug/L
⌊	Sb	123	1832.876	0.007	0.346340	ug/L

Sample Information

Sample ID: CCV
Autosampler Position: 2
Sample Date/Time: Friday, February 12, 2010 23:19:37
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\CCV.031
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	49410.493	0.185	40.273927	0.608	1.509	ug/L
|	Zn	68	36543.949	0.136	40.522766	0.630	1.555	ug/L
|>	Ge	72	265245.428	265245.428				ug/L
⌈>	In	115	240657.177	240657.177				ug/L
|	Sb	121	221709.452	0.920	36.903089	1.092	2.960	ug/L
⌊	Sb	123	167241.166	0.694	36.302023	1.131	3.115	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	100.926
⌈>	In	114.904	100.984
|	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
⌈	Zn	66	50008.836	0.187	40.577805	ug/L
|	Zn	68	36114.428	0.134	39.857880	ug/L
|>	Ge	72	266448.136	266448.136		ug/L
⌈>	In	115	244235.429	244235.429		ug/L
|	Sb	121	217839.082	0.880	35.884388	ug/L
⌊	Sb	123	163882.286	0.670	36.042886	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	49642.403	0.187	40.670048	ug/L
|	Zn	68	36884.366	0.138	41.111636	ug/L
|>	Ge	72	263904.349	263904.349		ug/L
⌈>	In	115	238968.956	238968.956		ug/L
|	Sb	121	222164.268	0.928	37.231104	ug/L
⌊	Sb	123	167821.134	0.700	36.632349	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	48582.140	0.182	39.574127	ug/L
|	Zn	68	36633.064	0.137	40.596883	ug/L
|>	Ge	72	265388.800	265388.800		ug/L
⌈>	In	115	238768.146	238768.146		ug/L
|	Sb	121	225325.028	0.942	37.783773	ug/L
⌊	Sb	123	170210.089	0.712	37.230754	ug/L

Sample Information

Sample ID: CCB
Autosampler Position: 1
Sample Date/Time: Friday, February 12, 2010 23:29:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\CCB.032
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	230.673	0.000	0.005445	0.016	291.887	ug/L
|	Zn	68	327.011	-0.000	-0.016238	0.048	293.162	ug/L
|>	Ge	72	263324.978	263324.978				ug/L
⌈>	In	115	237614.900	237614.900				ug/L
|	Sb	121	770.716	0.002	0.080762	0.010	12.688	ug/L
⌊	Sb	123	555.566	0.001	0.069596	0.013	18.119	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	100.196
⌈>	In	114.904	99.707
|	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
⌈	Zn	66	246.007	0.000	0.019375	ug/L
|	Zn	68	292.009	-0.000	-0.063498	ug/L
|>	Ge	72	261631.984	261631.984		ug/L
⌈>	In	115	239816.284	239816.284		ug/L
|	Sb	121	711.042	0.002	0.089638	ug/L
⌊	Sb	123	494.644	0.001	0.065121	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	236.008	0.000	0.008630	ug/L
|	Zn	68	314.010	-0.000	-0.032607	ug/L
|>	Ge	72	264880.579	264880.579		ug/L
⌈>	In	115	238881.499	238881.499		ug/L
|	Sb	121	782.051	0.002	0.083138	ug/L
⌊	Sb	123	592.653	0.001	0.078202	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	210.005	-0.000	-0.011868	ug/L
|	Zn	68	375.014	0.000	0.037390	ug/L
|>	Ge	72	263982.371	263982.371		ug/L
⌈>	In	115	236338.817	236338.817		ug/L
|	Sb	121	819.056	0.002	0.089613	ug/L
⌊	Sb	123	579.400	0.001	0.075466	ug/L

Sample Information

Sample ID: 1001065-BLK2
Autosampler Position: 27
Sample Date/Time: Friday, February 12, 2010 23:31:24
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\1001065-BLK2.033
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	282.008	0.000	0.047088	0.010	20.892	ug/L
|	Zn	68	349.012	0.000	0.007530	0.006	73.664	ug/L
⌊>	Ge	72	264077.273	264077.273				ug/L
⌈>	In	115	237800.909	237800.909				ug/L
|	Sb	121	503.023	0.001	0.035460	0.004	11.305	ug/L
⌊	Sb	123	366.384	0.001	0.027828	0.004	14.250	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	100.482
⌈>	In	114.904	99.785
|	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
⌈	Zn	66	268.008	0.000	0.035728	ug/L
|	Zn	68	344.012	0.000	0.002168	ug/L
⌊>	Ge	72	263898.051	263898.051		ug/L
⌈>	In	115	238138.884	238138.884		ug/L
|	Sb	121	484.021	0.001	0.032146	ug/L
⌊	Sb	123	346.634	0.000	0.023378	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	288.008	0.000	0.052756	ug/L
|	Zn	68	353.012	0.000	0.013244	ug/L
⌊>	Ge	72	263288.438	263288.438		ug/L
⌈>	In	115	238522.578	238522.578		ug/L
|	Sb	121	531.025	0.001	0.039816	ug/L
⌊	Sb	123	381.881	0.001	0.030081	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	290.008	0.000	0.052779	ug/L
|	Zn	68	350.012	0.000	0.007176	ug/L
⌊>	Ge	72	265088.328	265088.328		ug/L
⌈>	In	115	238743.266	238743.266		ug/L
|	Sb	121	494.022	0.001	0.034319	ug/L
⌊	Sb	123	370.636	0.001	0.029126	ug/L

Sample Information

Sample ID: 1001065-BS2
Autosampler Position: 28
Sample Date/Time: Friday, February 12, 2010 23:33:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\1001065-BS2.034
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	12102.032	0.045	9.879729	0.151	1.525	ug/L
|	Zn	68	9033.466	0.033	9.885036	0.139	1.406	ug/L
|>	Ge	72	261170.299	261170.299				ug/L
⌈>	In	115	238748.181	238748.181				ug/L
|	Sb	121	46395.014	0.193	7.744573	0.204	2.634	ug/L
⌊	Sb	123	35458.908	0.148	7.716488	0.196	2.546	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	99.376
⌈>	In	114.904	100.183
|	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
⌈	Zn	66	11984.131	0.046	9.710131	ug/L
|	Zn	68	9006.764	0.033	9.797109	ug/L
⌊>	Ge	72	262606.788	262606.788		ug/L
⌈>	In	115	241975.877	241975.877		ug/L
|	Sb	121	46292.980	0.190	7.622374	ug/L
⌊	Sb	123	35084.804	0.144	7.530428	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	12167.476	0.046	9.930838	ug/L
|	Zn	68	8972.722	0.033	9.812702	ug/L
⌊>	Ge	72	261242.082	261242.082		ug/L
⌈>	In	115	238202.323	238202.323		ug/L
|	Sb	121	46623.687	0.190	7.631235	ug/L
⌊	Sb	123	35286.973	0.147	7.697140	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	12174.488	0.046	9.998318	ug/L
|	Zn	68	9121.812	0.034	10.045303	ug/L
⌊>	Ge	72	259863.036	259863.036		ug/L
⌈>	In	115	236089.342	236089.342		ug/L
|	Sb	121	47288.356	0.199	7.980108	ug/L
⌊	Sb	123	35964.948	0.151	7.921889	ug/L

Sample Information

Sample ID: 1001065-BS2
Autosampler Position: 28
Sample Date/Time: Friday, February 12, 2010 23:37:39
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\1001065-BS2.035
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	12170.483	0.045	9.798213	0.207	2.112	ug/L
|	Zn	68	9077.856	0.033	9.794762	0.184	1.880	ug/L
|>	Ge	72	264810.066	264810.066				ug/L
⌈>	In	115	239397.500	239397.500				ug/L
|	Sb	121	53366.482	0.222	8.889916	0.031	0.353	ug/L
⌊	Sb	123	40477.281	0.168	8.790212	0.118	1.344	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	100.761
⌈>	In	114.904	100.455
|	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
⌈	Zn	66	12012.212	0.044	9.569756	ug/L
|	Zn	68	9169.874	0.033	9.784336	ug/L
|>	Ge	72	267729.874	267729.874		ug/L
⌈>	In	115	239227.198	239227.198		ug/L
|	Sb	121	53266.408	0.221	8.879443	ug/L
⌊	Sb	123	39880.056	0.166	8.661529	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	12418.911	0.046	9.930862	ug/L
|	Zn	68	8981.733	0.032	9.618082	ug/L
|>	Ge	72	266845.408	266845.408		ug/L
⌈>	In	115	240284.782	240284.782		ug/L
|	Sb	121	53411.483	0.221	8.868068	ug/L
⌊	Sb	123	40736.504	0.169	8.815333	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	12080.327	0.046	9.804233	ug/L
|	Zn	68	9081.861	0.034	9.983858	ug/L
|>	Ge	72	260084.917	260084.917		ug/L
⌈>	In	115	238700.640	238700.640		ug/L
|	Sb	121	53421.558	0.223	8.925208	ug/L
⌊	Sb	123	40832.283	0.170	8.863775	ug/L

Sample Information

Sample ID: 1002085-01
Autosampler Position: 29
Sample Date/Time: Friday, February 12, 2010 23:47:14
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\1002085-01.036
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	831.723	0.002	0.491897	0.014	2.819	ug/L
|	Zn	68	1426.490	0.004	1.201443	0.019	1.554	ug/L
⌊>	Ge	72	266971.138	266971.138				ug/L
⌈>	In	115	238590.477	238590.477				ug/L
|	Sb	121	562.028	0.001	0.045117	0.003	6.174	ug/L
⌊	Sb	123	434.638	0.001	0.042520	0.000	1.097	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	101.583
⌈>	In	114.904	100.116
|	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
⌈	Zn	66	824.056	0.002	0.487750	ug/L
|	Zn	68	1386.148	0.004	1.183614	ug/L
⌊>	Ge	72	262199.231	262199.231		ug/L
⌈>	In	115	235884.440	235884.440		ug/L
|	Sb	121	573.029	0.001	0.048068	ug/L
⌊	Sb	123	428.640	0.001	0.042297	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	825.056	0.002	0.476088	ug/L
|	Zn	68	1447.161	0.004	1.199864	ug/L
⌊>	Ge	72	271130.644	271130.644		ug/L
⌈>	In	115	240330.847	240330.847		ug/L
|	Sb	121	564.028	0.001	0.044751	ug/L
⌊	Sb	123	440.263	0.001	0.043056	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	846.058	0.002	0.501874	ug/L
|	Zn	68	1447.161	0.004	1.220881	ug/L
⌊>	Ge	72	267583.539	267583.539		ug/L
⌈>	In	115	239588.149	239588.149		ug/L
|	Sb	121	549.027	0.001	0.042533	ug/L
⌊	Sb	123	435.011	0.001	0.042207	ug/L

Sample Information

Sample ID: 1001065-MS2
Autosampler Position: 30
Sample Date/Time: Friday, February 12, 2010 23:49:13
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\1001065-MS2.037
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	13233.382	0.049	10.741841	0.205	1.911	ug/L
|	Zn	68	10558.904	0.039	11.533342	0.091	0.789	ug/L
|>	Ge	72	263048.413	263048.413				ug/L
⌈>	In	115	236858.590	236858.590				ug/L
|	Sb	121	59262.104	0.249	9.984132	0.150	1.506	ug/L
⌊	Sb	123	45090.001	0.189	9.903934	0.167	1.688	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	100.090
⌈>	In	114.904	99.390
|	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
⌈	Zn	66	13009.987	0.049	10.580668	ug/L
|	Zn	68	10518.842	0.039	11.520538	ug/L
|>	Ge	72	262274.938	262274.938		ug/L
⌈>	In	115	236864.471	236864.471		ug/L
|	Sb	121	58734.076	0.247	9.902994	ug/L
⌊	Sb	123	45343.418	0.191	9.968079	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	13233.379	0.049	10.661758	ug/L
|	Zn	68	10581.909	0.039	11.449446	ug/L
|>	Ge	72	264981.145	264981.145		ug/L
⌈>	In	115	237904.880	237904.880		ug/L
|	Sb	121	58978.075	0.247	9.891813	ug/L
⌊	Sb	123	44429.184	0.186	9.714208	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	13486.798	0.051	10.975100	ug/L
|	Zn	68	10697.982	0.039	11.630042	ug/L
|>	Ge	72	261889.158	261889.158		ug/L
⌈>	In	115	236016.420	236016.420		ug/L
|	Sb	121	60074.164	0.253	10.157588	ug/L
⌊	Sb	123	45498.400	0.192	10.029513	ug/L

Sample Information

Sample ID: 1001065-MSD2
Autosampler Position: 31
Sample Date/Time: Friday, February 12, 2010 23:51:12
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\1001065-MSD2.038
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	11633.249	0.043	9.399368	0.204	2.175	ug/L
|	Zn	68	9340.530	0.034	10.133245	0.049	0.484	ug/L
⌊>	Ge	72	263672.225	263672.225				ug/L
⌈>	In	115	237859.043	237859.043				ug/L
|	Sb	121	53592.167	0.224	8.985765	0.021	0.233	ug/L
⌊	Sb	123	40829.897	0.171	8.924946	0.034	0.384	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	100.328
⌈>	In	114.904	99.809
|	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
⌈	Zn	66	11575.488	0.043	9.233814	ug/L
|	Zn	68	9439.327	0.034	10.114743	ug/L
⌊>	Ge	72	266821.438	266821.438		ug/L
⌈>	In	115	237144.786	237144.786		ug/L
|	Sb	121	53573.660	0.225	9.009810	ug/L
⌊	Sb	123	40681.037	0.170	8.898262	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	11742.782	0.044	9.627804	ug/L
|	Zn	68	9256.088	0.034	10.188788	ug/L
⌊>	Ge	72	259908.663	259908.663		ug/L
⌈>	In	115	237072.274	237072.274		ug/L
|	Sb	121	53358.086	0.224	8.976111	ug/L
⌊	Sb	123	40871.507	0.171	8.963875	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	11561.497	0.043	9.336288	ug/L
|	Zn	68	9328.178	0.034	10.068194	ug/L
⌊>	Ge	72	264188.875	264188.875		ug/L
⌈>	In	115	236380.070	236380.070		ug/L
|	Sb	121	53644.722	0.224	8.971373	ug/L
⌊	Sb	123	41027.147	0.170	8.911701	ug/L

Sample Information

Sample ID: 0B12049-SRD2
Autosampler Position: 32
Sample Date/Time: Friday, February 12, 2010 23:57:27
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\0B12049-SRD2.039
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	275.675	0.000	0.038501	0.004	11.232	ug/L
|	Zn	68	461.019	0.000	0.125689	0.015	11.585	ug/L
|>	Ge	72	268098.809	268098.809				ug/L
⌈>	In	115	240065.431	240065.431				ug/L
|	Sb	121	205.005	-0.000	-0.015113	0.003	18.471	ug/L
⌊	Sb	123	172.374	-0.000	-0.015197	0.005	35.605	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	102.012
⌈>	In	114.904	100.735
|	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
⌈	Zn	66	272.008	0.000	0.034070	ug/L
|	Zn	68	470.020	0.000	0.132243	ug/L
⌊>	Ge	72	269863.993	269863.993		ug/L
⌈>	In	115	240734.431	240734.431		ug/L
|	Sb	121	224.008	-0.000	-0.012048	ug/L
⌊	Sb	123	200.753	-0.000	-0.008139	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	276.008	0.000	0.038723	ug/L
|	Zn	68	446.018	0.000	0.126003	ug/L
⌊>	Ge	72	258133.808	258133.808		ug/L
⌈>	In	115	242968.754	242968.754		ug/L
|	Sb	121	193.006	-0.000	-0.017508	ug/L
⌊	Sb	123	154.248	-0.000	-0.018661	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	279.008	0.000	0.042710	ug/L
|	Zn	68	467.020	0.000	0.135821	ug/L
⌊>	Ge	72	286298.828	286298.828		ug/L
⌈>	In	115	236493.107	236493.107		ug/L
|	Sb	121	198.006	0.000	0.015786	ug/L
⌊	Sb	123	162.122	-0.000	-0.016900	ug/L

Sample Information

Sample ID: 1001065-PS2
Autosampler Position: 33
Sample Date/Time: Friday, February 12, 2010 23:59:27
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\1001065-PS2.040
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	24009.872	0.091	19.664404	0.564	2.868	ug/L
|	Zn	68	18531.862	0.069	20.559833	0.497	2.417	ug/L
|>	Ge	72	262768.166	262768.166				ug/L
⌈>	In	115	237889.305	237889.305				ug/L
|	Sb	121	107891.239	0.453	18.150206	0.703	3.872	ug/L
⌊	Sb	123	82210.336	0.345	18.036615	0.895	4.960	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	99.984
⌈>	In	114.904	99.822
|	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
⌈	Zn	66	23828.232	0.090	19.640847	ug/L
|	Zn	68	18501.114	0.070	20.641867	ug/L
⌊>	Ge	72	258779.827	258779.827		ug/L
⌈>	In	115	236118.686	236118.686		ug/L
|	Sb	121	106883.362	0.451	18.097781	ug/L
⌊	Sb	123	80840.191	0.341	17.853358	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	23788.786	0.089	19.112874	ug/L
|	Zn	68	18388.775	0.067	19.986086	ug/L
⌊>	Ge	72	267737.138	267737.138		ug/L
⌈>	In	115	245254.556	245254.556		ug/L
|	Sb	121	107179.192	0.436	17.475088	ug/L
⌊	Sb	123	81128.436	0.330	17.247811	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	24818.598	0.093	20.239891	ug/L
|	Zn	68	18724.698	0.070	20.851568	ug/L
⌊>	Ge	72	261787.532	261787.532		ug/L
⌈>	In	115	232294.663	232294.663		ug/L
|	Sb	121	106841.182	0.471	18.877771	ug/L
⌊	Sb	123	84662.382	0.363	19.008678	ug/L

Sample Information

Sample ID: 1002085-02
Autosampler Position: 34
Sample Date/Time: Saturday, February 13, 2010 00:05:42
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\1002085-02.041
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	1399.818	0.004	0.976893	0.020	2.057	ug/L
|	Zn	68	1509.841	0.004	1.328055	0.033	2.456	ug/L
⌊>	Ge	72	261655.467	261655.467				ug/L
⌈>	In	115	236829.906	236829.906				ug/L
|	Sb	121	1214.782	0.004	0.156281	0.009	6.064	ug/L
⌊	Sb	123	920.358	0.003	0.150467	0.009	6.154	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	99.560
⌈>	In	114.904	99.378
|	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
⌈	Zn	66	1350.141	0.004	0.963836	ug/L
|	Zn	68	1453.162	0.004	1.280851	ug/L
⌊>	Ge	72	257498.779	257498.779		ug/L
⌈>	In	115	238860.868	238860.868		ug/L
|	Sb	121	1265.125	0.004	0.163041	ug/L
⌊	Sb	123	970.320	0.003	0.156714	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	1439.158	0.005	0.981270	ug/L
|	Zn	68	1548.183	0.005	1.350852	ug/L
⌊>	Ge	72	265025.756	265025.756		ug/L
⌈>	In	115	234891.629	234891.629		ug/L
|	Sb	121	1141.103	0.004	0.145448	ug/L
⌊	Sb	123	912.816	0.003	0.150482	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	1414.184	0.005	0.988471	ug/L
|	Zn	68	1527.179	0.005	1.342851	ug/L
⌊>	Ge	72	262440.868	262440.868		ug/L
⌈>	In	115	236747.102	236747.102		ug/L
|	Sb	121	1238.120	0.004	0.160354	ug/L
⌊	Sb	123	877.937	0.003	0.141194	ug/L

Sample Information

Sample ID: CCV
Autosampler Position: 2
Sample Date/Time: Saturday, February 13, 2010 00:07:42
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\CCV.042
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[	Zn	66	49073.842	0.187	40.644770	0.664	1.635	ug/L
|	Zn	68	35916.120	0.136	40.465407	0.921	2.277	ug/L
[>	Ge	72	261052.746	261052.746				ug/L
[>	In	115	238146.968	238146.968				ug/L
|	Sb	121	220759.509	0.926	37.133472	1.025	2.760	ug/L
[	Sb	123	167342.590	0.702	36.709903	1.252	3.410	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[	Zn	65.926	
|	Zn	67.925	
[>	Ge	71.922	99.331
[>	In	114.904	99.930
|	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
[	Zn	66	48326.411	0.184	39.880512	ug/L
|	Zn	68	35108.421	0.133	39.408111	ug/L
[>	Ge	72	261871.082	261871.082		ug/L
[>	In	115	242682.058	242682.058		ug/L
|	Sb	121	219304.883	0.902	36.188374	ug/L
[	Sb	123	165446.005	0.681	35.602231	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Zn	66	49267.438	0.189	41.083987	ug/L
|	Zn	68	36134.529	0.139	40.819034	ug/L
[>	Ge	72	256744.936	256744.936		ug/L
[>	In	115	236602.801	236602.801		ug/L
|	Sb	121	218442.031	0.922	36.868908	ug/L
[	Sb	123	166108.218	0.667	36.456366	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Zn	66	49537.679	0.189	40.967800	ug/L
|	Zn	68	36508.412	0.139	41.072077	ug/L
[>	Ge	72	261442.220	261442.220		ug/L
[>	In	115	235256.244	235256.244		ug/L
|	Sb	121	224631.614	0.863	38.223132	ug/L
[	Sb	123	171474.548	0.729	38.068113	ug/L

Sample Information

Sample ID: CCB
Autosampler Position: 1
Sample Date/Time: Saturday, February 13, 2010 00:17:16
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B12049.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B12049\CCB.043
Tuning File: C:\Elandata\Tuning\12FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\12FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Zn	66	231.673	0.000	0.007989	0.009	106.510	ug/L
|	Zn	68	314.343	-0.000	-0.027184	0.017	62.816	ug/L
⌊>	Ge	72	260972.274	260972.274				ug/L
⌈>	In	115	237334.313	237334.313				ug/L
|	Sb	121	785.051	0.002	0.083289	0.006	7.239	ug/L
⌊	Sb	123	576.442	0.001	0.074280	0.003	4.099	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Zn	65.926	
|	Zn	67.925	
⌊>	Ge	71.922	99.300
⌈>	In	114.904	99.589
|	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
⌈	Zn	66	229.008	0.000	0.003889	ug/L
|	Zn	68	299.008	0.000	-0.046884	ug/L
⌊>	Ge	72	262647.252	262647.252		ug/L
⌈>	In	115	237100.849	237100.849		ug/L
|	Sb	121	748.047	0.002	0.077158	ug/L
⌊	Sb	123	590.025	0.001	0.077398	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	242.007	0.000	0.017789	ug/L
|	Zn	68	322.010	0.000	-0.016292	ug/L
⌊>	Ge	72	259380.391	259380.391		ug/L
⌈>	In	115	238452.918	238452.918		ug/L
|	Sb	121	790.052	0.002	0.083503	ug/L
⌊	Sb	123	565.650	0.001	0.071312	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Zn	66	225.008	0.000	0.002479	ug/L
|	Zn	68	322.010	-0.000	-0.018388	ug/L
⌊>	Ge	72	260879.179	260879.179		ug/L
⌈>	In	115	238448.171	238448.171		ug/L
|	Sb	121	817.055	0.002	0.086208	ug/L
⌊	Sb	123	573.651	0.001	0.074133	ug/L

TRIMATRIX LABORATORIES

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: PM020110

USEPA-9014

SAMPLE ID SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc. SDG: PM020110

Client: SulTRAC Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-GW-56394-CB-020110-199	1002041-01
S-GW-56394-CB-020110-201	1002041-02
S-GW-56394-CB-020210-205	1002041-03
SD-GW-56394-CB-020210-205	1002041-04
S-GW-56394-CB-020310-210	1002085-01
S-GW-56394-CB-020410-217	1002085-02

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-GW-56394-CB-020110-199

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 02/01/10 10:50
Solids: 0.00
Laboratory ID: 1002041-01

SDG: PM020110
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 02/04/10 07:00
Initial/Final: 50 mL / 50 mL
QC Batch: 1000988

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.00500	mg/L	1	0.00500	0.00230	U	02/05/10 12:23

: 00539

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-GW-56394-CB-020110-201

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 02/01/10 15:05
Solids: 0.00
Laboratory ID: 1002041-02

SDG: PM020110
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 02/04/10 07:00
Initial/Final: 50 mL / 50 mL
QC Batch: 1000988

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.00500	mg/L	1	0.00500	0.00230	U	02/05/10 12:23

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-GW-56394-CB-020210-205

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 02/02/10 09:20
Solids: 0.00
Laboratory ID: 1002041-03

SDG: PM020110
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 02/04/10 07:00
Initial/Final: 50 mL / 50 mL
QC Batch: 1000988

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.00500	mg/L	1	0.00500	0.00230	U	02/05/10 12:30

: 00541

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

SD-GW-56394-CB-020210-205

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 02/02/10 09:50
Solids: 0.00
Laboratory ID: 1002041-04

SDG: PM020110
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 02/04/10 07:00
Initial/Final: 50 mL / 50 mL
QC Batch: 1000988

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.00500	mg/L	1	0.00500	0.00230	U	02/05/10 12:30

00542

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-GW-56394-CB-020310-210

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 02/03/10 08:40
Solids: 0.00
Laboratory ID: 1002085-01

SDG: PM020110
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 02/05/10 06:55
Initial/Final: 50 mL / 50 mL
QC Batch: 1000988

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.00500	mg/L	1	0.00500	0.00230	U	02/05/10 12:52

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-GW-56394-CB-020410-217

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Water
Sampled: 02/04/10 08:45
Solids: 0.00
Laboratory ID: 1002085-02

SDG: PM020110
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 02/05/10 06:55
Initial/Final: 50 mL / 50 mL
QC Batch: 1000988

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, Total	0.00500	mg/L	1	0.00500	0.00230	U	02/05/10 12:52

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B08012

SDG: PM020110
Project: Plainwell Mill
Instrument: 298
Calibration: 0B05010

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B08012-CAL1	020510cnm-001	02/05/10 11:09
Cal Standard	0B08012-CAL2	020510cnm-002	02/05/10 11:09
Cal Standard	0B08012-CAL3	020510cnm-003	02/05/10 11:09
Cal Standard	0B08012-CAL4	020510cnm-004	02/05/10 11:09
Cal Standard	0B08012-CAL5	020510cnm-005	02/05/10 11:09
Cal Standard	0B08012-CAL6	020510cnm-006	02/05/10 11:09
Cal Standard	0B08012-CAL7	020510cnm-007	02/05/10 11:09
Calibration Check	0B08012-CCV1	020510cnm-008	02/05/10 12:22
Calibration Blank	0B08012-CCB1	020510cnm-009	02/05/10 12:22
High Cal Check	0B08012-HCV1	020510cnm-011	02/05/10 12:22
Low Cal Check	0B08012-LCV1	020510cnm-012	02/05/10 12:22
MRL Check	0B08012-CRL1	020510cnm-013	02/05/10 12:23
Blank	1000988-BLK1	020510cnm-014	02/05/10 12:23
LCS	1000988-BS1	020510cnm-015	02/05/10 12:23
LCS	1000988-BS2	020510cnm-016	02/05/10 12:23
S-GW-56394-CB-020110-199	1002041-01	020510cnm-017	02/05/10 12:23
S-GW-56394-CB-020110-201	1002041-02	020510cnm-018	02/05/10 12:23
S-GW-56394-CB-020210-205	1002041-03	020510cnm-019	02/05/10 12:30
Calibration Check	0B08012-CCV2	020510cnm-020	02/05/10 12:30
Calibration Blank	0B08012-CCB2	020510cnm-021	02/05/10 12:30
SD-GW-56394-CB-020210-205	1002041-04	020510cnm-022	02/05/10 12:30
Blank	1000988-BLK2	020510cnm-048	02/05/10 12:45
LCS	1000988-BS3	020510cnm-049	02/05/10 12:45
LCS	1000988-BS4	020510cnm-050	02/05/10 12:45
S-GW-56394-CB-020310-210	1002085-01	020510cnm-055	02/05/10 12:52
S-GW-56394-CB-020310-210	1000988-MS1	020510cnm-058	02/05/10 12:52
S-GW-56394-CB-020310-210	1000988-MSD1	020510cnm-059	02/05/10 12:52
S-GW-56394-CB-020410-217	1002085-02	020510cnm-060	02/05/10 12:52
Calibration Check	0B08012-CCV3	020510cnm-065	02/05/10 12:58
Calibration Blank	0B08012-CCB3	020510cnm-066	02/05/10 12:58

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B08012
Instrument ID: 298
Control Limt: +/- 10.00%
Calibration: 0B05010

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B08012-CCV1	Cyanide, Total	0.100	0.103	103	mg/L	02/05/10 12:22
0B08012-CCV2	Cyanide, Total	0.100	0.0984	98	mg/L	02/05/10 12:30
0B08012-CCV3	Cyanide, Total	0.100	0.105	105	mg/L	02/05/10 12:58

* Values outside of QC limits

: 00546

LOW-CONCENTRATION CALIBRATION VERIFICATION

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B08012
Instrument: 298
Laboratory ID: 0B08012-LCV1
Calibration: 0B05010

Analyte	Expected	Found	% Drift	QC Limit	Units
Cyanide, Total	0.0500	0.0467	-6.7	10.00	mg/L

* Values outside of QC limits

00547

HIGH-CONCENTRATION CALIBRATION VERIFICATION

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc. **SDG:** PM020110

Client: SulTRAC **Project:** Plainwell Mill

Sequence: 0B08012 **Instrument:** 298

Laboratory ID: 0B08012-HCV1 **Calibration:** 0B05010

Analyte	Expected	Found	% Drift	QC Limit	Units
Cyanide, Total	0.100	0.101	1.4	10.00	mg/L

* Values outside of QC limits

00548

CRDL STANDARD

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B08012

SDG: PM020110

Project: Plainwell Mill

Instrument ID: 298

Calibration: 0B05010

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B08012-CRL1	Cyanide, Total	0.00500	0.00511	102	mg/L	50 - 150

* Values outside of QC limits

: 00549

BLANKS
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B08012

SDG: PM020110
Project: Plainwell Mill
Instrument ID: 298
Calibration: 0B05010

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B08012-CCB1	Cyanide, Total	0.000150	0.00500	0.00230	mg/L	U	02/05/10 12:22
0B08012-CCB2	Cyanide, Total	0.0000700	0.00500	0.00230	mg/L	U	02/05/10 12:30
0B08012-CCB3	Cyanide, Total	-0.000260	0.00500	0.00230	mg/L	U	02/05/10 12:58

* Values outside of QC limits

QC BATCH SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc. SDG: PM020110

Client: SulTRAC Project: Plainwell Mill

QC Batch: 1000988 QC Batch Matrix: Water Preparation: 9010B Cyanide Distillation

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000988-BLK1	02/04/10 07:00	
Blank	1000988-BLK2	02/05/10 06:55	
LCS	1000988-BS1	02/04/10 07:00	
LCS	1000988-BS2	02/04/10 07:00	
LCS	1000988-BS3	02/05/10 06:55	
LCS	1000988-BS4	02/05/10 06:55	
S-GW-56394-CB-020310-210	1000988-MS1	02/05/10 06:55	
S-GW-56394-CB-020310-210	1000988-MSD1	02/05/10 06:55	
S-GW-56394-CB-020110-199	1002041-01	02/04/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-GW-56394-CB-020110-201	1002041-02	02/04/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-GW-56394-CB-020210-205	1002041-03	02/04/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
SD-GW-56394-CB-020210-205	1002041-04	02/04/10 07:00	one week turn, if >= 0.09Jppm, set up SPLP
S-GW-56394-CB-020310-210	1002085-01	02/05/10 06:55	soil,one wk turn, if >= 0.09Jmg/kg, set up SPLP
S-GW-56394-CB-020410-217	1002085-02	02/05/10 06:55	soil,one wk turn, if >= 0.09Jmg/kg, set up SPLP

METHOD BLANK DATA SHEET
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
Laboratory ID: 1000988-BLK1
File ID: 020510cnm-014
Prepared: 02/04/10 07:00
Preparation: 9010B Cyanide Distillatic
Initial/Final: 50 mL / 50 mL
Analyzed: 02/05/10 12:23
Instrument: 298
QC Batch: 1000988
Sequence: 0B08012
Calibration: 0B05010

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
57-12-5	Cyanide, Total	0.00230	0.00500	0.00500	mg/L	U

: 00552

METHOD BLANK DATA SHEET
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM020110
Client: SulTRAC
Project: Plainwell Mill
Matrix: Water
Laboratory ID: 1000988-BLK2
File ID: 020510cnm-048
Prepared: 02/05/10 06:55
Preparation: 9010B Cyanide Distillatic
Initial/Final: 50 mL / 50 mL
Analyzed: 02/05/10 12:45
Instrument: 298
QC Batch: 1000988
Sequence: 0B08012
Calibration: 0B05010

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
57-12-5	Cyanide, Total	0.00230	0.00500	0.00500	mg/L	U

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-GW-56394-CB-020310-210

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

SDG: PM020110

Project: Plainwell Mill

Preparation: 9010B Cyanide Distillation

Initial/Final: 50 mL / 50 mL

Laboratory ID: 1000988-MS1

QC Batch: 1000988

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Cyanide, Total	0.100	ND	0.0947	95	59 - 128	mg/L

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

* Values outside of QC limits

00554

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-GW-56394-CB-020310-210

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Water

SDG: PM020110

Project: Plainwell Mill

Preparation: 9010B Cyanide Distillation

Initial/Final: 50 mL / 50 mL

Laboratory ID: 1000988-MSD1

QC Batch: 1000988

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Cyanide, Total	0.100	0.0930	93	2	20	59 - 128	mg/L

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

* Values outside of QC limits

: 00555

LCS / LCS DUPLICATE RECOVERY
USEPA-9014

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

Laboratory ID: 1000988-BS1

SDG: PM020110
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Initial/Final: 50 mL / 50 mL
QC Batch: 1000988
Sequence: 0B08012

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Cyanide, Total	0.100	0.0965	96	90 - 110	mg/L

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

* Values outside of QC limits

00556

LCS / LCS DUPLICATE RECOVERY
USEPA-9014

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

Laboratory ID: 1000988-BS2

SDG: PM020110
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Initial/Final: 50 mL / 50 mL
QC Batch: 1000988
Sequence: 0B08012

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Cyanide, Total	0.0400	0.0411	103	90 - 110	mg/L

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

* Values outside of QC limits

00557

LCS / LCS DUPLICATE RECOVERY
USEPA-9014

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

Laboratory ID: 1000988-BS3

SDG: PM020110
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Initial/Final: 50 mL / 50 mL
QC Batch: 1000988
Sequence: 0B08012

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Cyanide, Total	0.100	0.0965	97	90 - 110	mg/L

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

* Values outside of QC limits

: 00558

LCS / LCS DUPLICATE RECOVERY
USEPA-9014

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

Laboratory ID: 1000988-BS4

SDG: PM020110
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Initial/Final: 50 mL / 50 mL
QC Batch: 1000988
Sequence: 0B08012

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Cyanide, Total	0.0400	0.0403	101	90 - 110	mg/L

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

* Values outside of QC limits

00559

HOLDING TIME SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM020110

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-GW-56394-CB-020110-199	02/01/10	02/02/10		02/04/10	3	NA	02/05/10	4	14	
S-GW-56394-CB-020110-201	02/01/10	02/02/10		02/04/10	3	NA	02/05/10	4	14	
S-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/05/10	3	14	
SD-GW-56394-CB-020210-205	02/02/10	02/02/10		02/04/10	2	NA	02/05/10	3	14	
S-GW-56394-CB-020310-210	02/03/10	02/04/10		02/05/10	2	NA	02/05/10	2	14	
S-GW-56394-CB-020410-217	02/04/10	02/04/10		02/05/10	1	NA	02/05/10	1	14	

: 00560

Inorganic - Wet Chemistry, Water, Feb-05-10

Instrument = 298, Calibration = 0B05010

Sequence Analyses:
Cyanide, Total 9014

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
0B08012-CAL1	QC		0020284		CAL STANDARD	
0B08012-CAL2	QC		0020283		CAL STANDARD	
0B08012-CAL3	QC		0020282		CAL STANDARD	
0B08012-CAL4	QC		0020281		CAL STANDARD	
0B08012-CAL5	QC		0020280		CAL STANDARD	
0B08012-CAL6	QC		0020279		CAL STANDARD	
0B08012-CAL7	QC		0020278		CAL STANDARD	
0B08012-CCV1	QC		0020279		CALIBRATION CHECK	
0B08012-CCB1	QC		0020284		CALIBRATION BLANK	
0B08012-HCV1	QC		0020274		HIGH CAL CHECK	
0B08012-LCV1	QC		0020275		LOW CAL CHECK	
0B08012-CRL1	QC		0020283		MRL CHECK	
1000988-BLK1	QC				BLANK	
1000988-BS1	QC				LCS	
1000988-BS2	QC				LCS	
1002041-01	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1002041-02	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1002041-03	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
0B08012-CCV2	QC		0020279		CALIBRATION CHECK	
0B08012-CCB2	QC		0020284		CALIBRATION BLANK	
1002041-04	Cyanide, Total 9014	A 01			SulTRAC	one week turn, if >= 0.09Jppm, set up SPLP
1000988-BLK2	QC				BLANK	
1000988-BS3	QC				LCS	
1000988-BS4	QC				LCS	
1002085-01	Cyanide, Total 9014	A 01			SulTRAC	soil,one wk turn, if >= 0.09Jmg/kg, set up SPLP
1000988-MS1	QC				MATRIX SPIKE	
1000988-MSD1	QC				MATRIX SPIKE DUP	
1002085-02	Cyanide, Total 9014	A 01			SulTRAC	soil,one wk turn, if >= 0.09Jmg/kg, set up SPLP
0B08012-CCV3	QC		0020279		CALIBRATION CHECK	
0B08012-CCB3	QC		0020284		CALIBRATION BLANK	

Comments:	Analyst Initials:

TriMatrix Laboratories, Inc.

due 02/16/10

PREPARATION BATCH **1000988** Page 1 of 1

Printed: 2/4/2010 7:56:27AM

HLB 2-14-10

Inorganic - Wet Chemistry, Water, 9010B Cyanide Distillation

4 MD

(No Surrogate)

Batch Comments: (none)

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1002041	Cyanide, Total 9014				

Lab Number	*Contain*	*Prepared*	*By*	*Initial (mL)*	*Final (mL)*	*uL Surrogate*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1000988-BLK1		Feb-04-10 07:00	LMA	50	50					BLANK	
1000988-BS1		Feb-04-10 07:00	LMA	50	50			0020004	50	LCS	
1000988-BS2		Feb-04-10 07:00	LMA	50	50			0020004	20	LCS	
~~1000988-MS1~~		~~Feb-04-10 07:00~~	~~LMA~~	~~50~~	~~50~~		~~1002041-01~~	~~0020004~~	~~50~~	~~MATRIX SPIKE~~	
~~1000988-MSD1~~		~~Feb-04-10 07:00~~	~~LMA~~	~~50~~	~~50~~		~~1002041-01~~	~~0020004~~	~~50~~	~~MATRIX SPIKE DUP~~	
1002041-01	A	Feb-04-10 07:00	LMA	50	50					SulTRAC	one week turn, if >= 0.09Jppm, set up
1002041-02	A	Feb-04-10 07:00	LMA	50	50					SulTRAC	one week turn, if >= 0.09Jppm, set up
1002041-03	A	Feb-04-10 07:00	LMA	50	50					SulTRAC	one week turn, if >= 0.09Jppm, set up
1002041-04	A	Feb-04-10 07:00	LMA	50	50					SulTRAC	one week turn, if >= 0.09Jppm, set up

Comments:
pH >12 w/ NaOH checked for interferences

Reagents
IVR10.55-15, IVR 9.66-16, IVR10.45-9, IVR10.44-8

7:00-7:30pm

Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1000988

Printed: 2/5/2010 7:26:12AM

one 02/17/10

4MD

0563

Inorganic - Wet Chemistry, Water, 9010B Cyanide Distillation

(No Surrogate)

Batch Comments: (none)

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1002041	Cyanide, Total 9014	1002085	Cyanide, Total 9014		

Lab Number	Contain	Prepared	By	Initial (mL)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1000988-BLK1		Feb-04-10 07:00	LMA	50	50					BLANK	
1000988-BS1		Feb-04-10 07:00	LMA	50	50			0020004	50	LCS	
1000988-BS2		Feb-04-10 07:00	LMA	50	50			0020004	20	LCS	
1002041-01	A	Feb-04-10 07:00	LMA	50	50					SulTRAC	one week turn, if >= 0.09Jppm, set up
1002041-02	A	Feb-04-10 07:00	LMA	50	50					SulTRAC	one week turn, if >= 0.09Jppm, set up
1002041-03	A	Feb-04-10 07:00	LMA	50	50					SulTRAC	one week turn, if >= 0.09Jppm, set up
1002041-04	A	Feb-04-10 07:00	LMA	50	50					SulTRAC	one week turn, if >= 0.09Jppm, set up
1000988-BLK2		Feb-05-10 06:55	LMA	50	50					BLANK	
1000988-BS3		Feb-05-10 06:55	LMA	50	50			0020004	50	LCS	
1000988-BS4		Feb-05-10 06:55	LMA	50	50			0020004	20	LCS	
1000988-MS1		Feb-05-10 06:55	LMA	50	50		1002085-01	0020004	50	MATRIX SPIKE	
1000988-MSD1		Feb-05-10 06:55	LMA	50	50		1002085-01	0020004	50	MATRIX SPIKE DUP	
1002085-01	A	Feb-05-10 06:55	LMA	50	50					SulTRAC	soil,one wk turn, if >= 0.09Jmg/kg, set
1002085-02	A	Feb-05-10 06:55	LMA	50	50					SulTRAC	soil,one wk turn, if >= 0.09Jmg/kg, set

Comments: pH>12 w/NaOH checked for interferences Reagents INR9.66-16, INR10.45-9, INR10.44-8, INR10.55-18 6:55-7:20

Analyst Initials:

bch_TriMatrix.rpt

Calibration results AquaKem 6.5 Page: 1

Laboratory inst#298
Konelab User

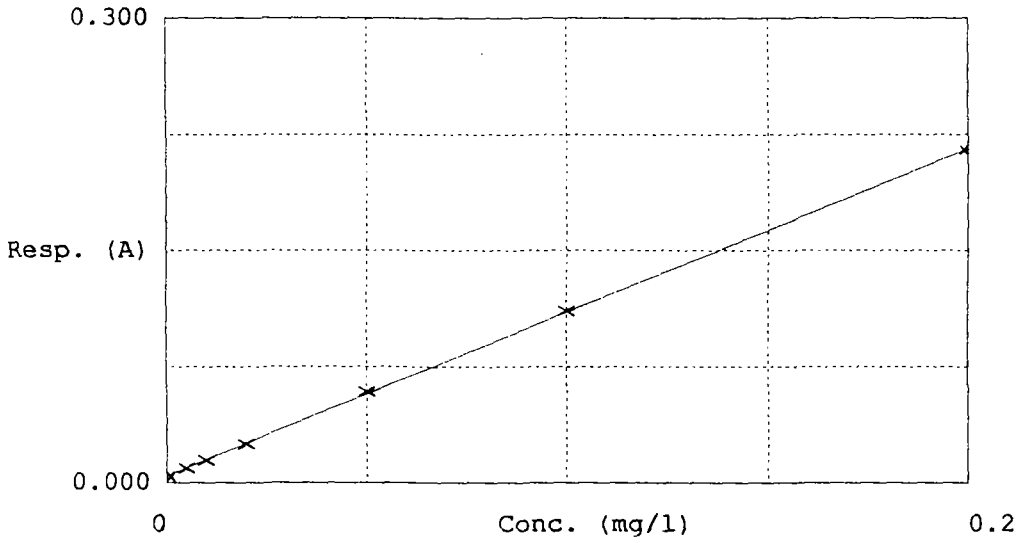
05.02.2010 11:52

Test CN

10:30am - 1:00pm
Reagents
INR10.69-1
INR10.3-2
INR10.46-10
INR9.88-2

Accepted	05.02.2010	11:52
Factor	0.946	
Bias	0.004	
Coeff. of det.	0.999889	

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors	Element
1	CN- 0	0.004	-0.00030	0.00000		0020284
2	CN- 0.005	0.010	0.00484	0.00500		0020283
3	CN- 0.01	0.015	0.00954	0.01000		0020282
4	CN- 0.02	0.025	0.01943	0.02000		0020281
5	CN- 0.05	0.059	0.05128	0.05000		0020280
6	CN- 0.1	0.111	0.10088	0.10000		0020279
7	CN- 0.2	0.215	0.19932	0.20000		0020278

HCV 0020274
LCV 0020275

00564

Laboratory inst#298
Konelab User

Date : 2010-02-05
Time : 13.00

Test CN
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Man.dilut
CN CCV	0.1028	0.113	2010-02-05 12.22		
CN CCB	0.0002	0.005	2010-02-05 12.22		
blk	0.0001	0.005	2010-02-05 12.22		
hcv	0.1013	0.112	2010-02-05 12.22		
lcv	0.0467	0.054	2010-02-05 12.22		
crl	0.0051	0.010	2010-02-05 12.23		
blk 2/4	-0.0001	0.004	2010-02-05 12.23		
bs1 2/4	0.0965	0.106	2010-02-05 12.23		
bs2 2/4	0.0411	0.048	2010-02-05 12.23		
1002041-01	0.0016	0.006	2010-02-05 12.23		
1002041-02	0.0015	0.006	2010-02-05 12.23		
1002041-03	0.0004	0.005	2010-02-05 12.30		
CN CCV	0.0983	0.108	2010-02-05 12.30		
CN CCB	0.0001	0.005	2010-02-05 12.30		
1002041-04	0.0004	0.005	2010-02-05 12.30		
1002043-01	-0.0001	0.004	2010-02-05 12.30		
1002043-19	-0.0002	0.004	2010-02-05 12.30		
1002043-19ms	0.0952	0.105	2010-02-05 12.30		
1002043-19msd	0.0945	0.104	2010-02-05 12.30		
1002043-02	0.0000	0.004	2010-02-05 12.30		
1002043-03	-0.0002	0.004	2010-02-05 12.30		
1002043-04	-0.0002	0.004	2010-02-05 12.30		
1002043-06	0.0001	0.004	2010-02-05 12.37		
1002043-07	0.0001	0.005	2010-02-05 12.37		
CN CCV	0.0968	0.107	2010-02-05 12.37		
CN CCB	-0.0000	0.004	2010-02-05 12.37		
1002043-08	0.0004	0.005	2010-02-05 12.37		
1002043-09	0.0002	0.005	2010-02-05 12.37		
1002043-10	-0.0001	0.004	2010-02-05 12.37		
1002043-11	-0.0001	0.004	2010-02-05 12.37		
1002043-12	-0.0003	0.004	2010-02-05 12.37		
1002043-13	-0.0001	0.004	2010-02-05 12.37		
1002043-14	-0.0002	0.004	2010-02-05 12.38		
1002043-15	0.0001	0.005	2010-02-05 12.45		
1002043-16	-0.0001	0.004	2010-02-05 12.45		
1002043-17	-0.0001	0.004	2010-02-05 12.45		
CN CCV	0.0975	0.108	2010-02-05 12.45		
CN CCB	0.0001	0.005	2010-02-05 12.45		
1002043-18	-0.0002	0.004	2010-02-05 12.45		
1002058-02	0.0030	0.008	2010-02-05 12.45		
blk 2/5	0.0000	0.004	2010-02-05 12.45		
bs1 2/5	0.0965	0.106	2010-02-05 12.45		
bs2 2/5	0.0403	0.047	2010-02-05 12.45		
blk splp	0.0005	0.005	2010-02-05 12.45		
1002044-01	0.0002	0.005	2010-02-05 12.52		
1002044-01ms	0.0866	0.096	2010-02-05 12.52		
1002044-01msd	0.0825	0.092	2010-02-05 12.52		
1002085-01	0.0005	0.005	2010-02-05 12.52		
CN CCV	0.0997	0.110	2010-02-05 12.52		
CN CCB	0.0001	0.005	2010-02-05 12.52		
1002085-01ms	0.0947	0.105	2010-02-05 12.52		

Laboratory inst#298
Konelab User

Date : 2010-02-05
Time : 13.00

Test CN
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Man.dilut
1002085-01msd	0.0930	0.103	2010-02-05 12.52		
1002085-02	0.0018	0.006	2010-02-05 12.52		
1002069-01	0.0018	0.006	2010-02-05 12.52		
1002069-02	0.0036	0.008	2010-02-05 12.52		
1002069-03	0.0339	0.040	2010-02-05 12.56		
1002069-04	0.0218	0.028	2010-02-05 12.56		
CN_CCV	0.1048	0.115	2010-02-05 12.58		
CN_CCB	-0.0003	0.004	2010-02-05 12.58		