TRIMATRIX LABORATORIES

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

EPA Region 5 Records Ctr.
350252

TRANSMITTAL FORM

Date: March 8, 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: PM011110B

Work Order (s): 1001277, 1002004

WE ARE SENDING YOU:

By: ☐ US Mail ☒ FedEx ☐ Courier ☐ Other

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

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

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

THESE ARE TRANSMITTED AS CHECKED BELOW:

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

REMARKS:

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

BY: Lisa Harvey
Project Chemist

H:\SulTrac\Plainwell Mill\TRANSPM011110B.DOC

TRIMATRIX LABORATORIES

DATA VALIDATION PACKAGE

Prepared for:

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

Project:

Plainwell Mill

Sample Delivery Group (SDG):

PM011110B

Date:

March 08, 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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C	**Inorganic - Metals** • USEPA-6010B • USEPA-6020A • USEPA-7470A	**0033-0734** 0034-0173 0174-0675 0676-0734
D	**Inorganic - Wet Chemistry** • USEPA-9014	**0735-0769** 0736-0769

SDG: PM011110B

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TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

SulTRAC
Plainwell Mill

SDG Executive Summary

This case narrative applies to samples received on January 14, 2010. All samples were scheduled for analysis in accordance with parameters outlined on the field chain of custody record, the TriMatrix bid form, and/or oral and written correspondence between SulTRAC and TriMatrix Laboratories, Inc..

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

Project Technical Issues/Problems

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

QA/QC Data Qualifications/Narrations

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

Data Review and Approval

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

Data Deliverables

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

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

Lisa M. Harvey, Project Chemist

03-08-2010
Date

SDG: PM011110B

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Individual sample results relate only to the sample tested.

TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Sample Receipt and Login -- Work Order: 1001277

TriMatrix Laboratories received the cooler(s) for this work order on January 14, 2010, at 17:36pm. Receiving documents include field chain-of-custody (COC) record(s), sample receipt form(s), and FedEx 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-SS-56394-EV-011210-011	1001277-01	Soil	1/12/2010
S-SO-56394-CB-011210-015	1001277-02	Soil	1/12/2010
S-SS-56394-EV-011310-021	1001277-03	Soil	1/13/2010
S-SO-56394-CB-011410-033	1001277-04	Soil	1/14/2010
SD-SO-56394-CB-011410-033	1001277-05	Soil	1/14/2010
S-SO-56394-CB-011410-041	1001277-06	Soil	1/14/2010
S-SO-56394-DR-011310-1011	1001277-07	Soil	1/13/2010
S-SO-56394-CB-011310-028	1001277-08	Soil	1/13/2010

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

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

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TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Sample Receipt and Login -- Work Order: 1002004

TriMatrix Laboratories received the cooler(s) for this work order on January 14, 2010, at 17:36pm. Receiving documents include field chain-of-custody (COC) record(s), sample receipt form(s), and Client Drop-Off shipping document(s). The condition of the custody seals, the type and location of the coolant, and the temperatures recorded for each cooler are presented on the TriMatrix *Sample Receiving / Log-In Checklist* provided in section A of this package. The receipt temperature of the samples was determined by using an infrared thermometer to record the temperature of three random samples of varying container types and the accompanying temperature blank, if present.

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

Field Sample Name	Laboratory Sample ID	Matrix	Date Sampled
S-SO-56394-CB-011110-003	1002004-01	Soil	1/11/2010
S-SS-56394-EV-011210-011	1002004-02	Soil	1/12/2010
S-SO-56394-CB-011210-015	1002004-03	Soil	1/12/2010
S-SS-56394-EV-011310-021	1002004-04	Soil	1/13/2010
S-SO-56394-CB-011410-033	1002004-05	Soil	1/14/2010
SD-SO-56394-CB-011410-033	1002004-06	Soil	1/14/2010
S-SO-56394-CB-011410-046	1002004-07	Soil	1/14/2010
S-SO-56394-CB-011410-041	1002004-08	Soil	1/14/2010
S-SO-56394-DR-011310-1011	1002004-09	Soil	1/13/2010
S-SO-56394-CB-011310-028	1002004-10	Soil	1/13/2010
S-SO-56394-CB-011410-040	1002004-11	Soil	1/14/2010
S-SO-56394-CB-011310-026	1002004-12	Soil	1/13/2010

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

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

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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

SPLP Metals by EPA 1312/6000/7000 Series Methods

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

Analysis:	USEPA-7470A	
Sample/Analyte:	1001587-BS1	Mercury

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

Analysis:	USEPA-6010B	
Sample/Analyte:	1002004-07 S-SO-56394-CB-011410-046	Iron
	1002004-09 S-SO-56394-DR-011310-1011	Iron
	1002004-11 S-SO-56394-CB-011410-040	Iron
	1002004-12 S-SO-56394-CB-011310-026	Iron
Analysis:	USEPA-6020A	
Sample/Analyte:	1002004-02 S-SS-56394-EV-011210-011	Zinc
	1002004-03 S-SO-56394-CB-011210-015	Zinc
	1002004-04 S-SS-56394-EV-011310-021	Zinc
	1002004-05 S-SO-56394-CB-011410-033	Zinc
	1002004-07 S-SO-56394-CB-011410-046	Zinc
	1002004-08 S-SO-56394-CB-011410-041	Zinc
	1002004-09 S-SO-56394-DR-011310-1011	Zinc
	1002004-10 S-SO-56394-CB-011310-028	Zinc
	1002004-11 S-SO-56394-CB-011410-040	Zinc
	1002004-12 S-SO-56394-CB-011310-026	Zinc
Analysis:	USEPA-7470A	
Sample/Analyte:	1002004-01 S-SO-56394-CB-011110-003	Mercury
	1002004-06 SD-SO-56394-CB-011410-033	Mercury
	1002004-08 S-SO-56394-CB-011410-041	Mercury
	1002004-10 S-SO-56394-CB-011310-028	Mercury

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

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TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

SPLP Metals by EPA 1312/6000/7000 Series Methods

Analysis:	USEPA-6010B	
Sample/Analyte:	1002004-01 S-SO-56394-CB-011110-003	Iron
	1002004-02 S-SS-56394-EV-011210-011	Iron
	1002004-03 S-SO-56394-CB-011210-015	Iron
	1002004-04 S-SS-56394-EV-011310-021	Iron
	1002004-05 S-SO-56394-CB-011410-033	Iron
	1002004-06 SD-SO-56394-CB-011410-033	Iron
	1002004-08 S-SO-56394-CB-011410-041	Iron
	1002004-10 S-SO-56394-CB-011310-028	Iron
Analysis:	USEPA-6020A	
Sample/Analyte:	1002004-06 SD-SO-56394-CB-011410-033	Zinc

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

Analysis:	USEPA-6010B	
Sample/Analyte:	1002004-01 S-SO-56394-CB-011110-003	Barium
	1002004-01 S-SO-56394-CB-011110-003	Manganese
	1002004-08 S-SO-56394-CB-011410-041	Barium

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:	1002004-01 S-SO-56394-CB-011110-003	Copper
	1002004-01 S-SO-56394-CB-011110-003	Lead
	1002004-01 S-SO-56394-CB-011110-003	Vanadium
	1002004-01 S-SO-56394-CB-011110-003	Zinc
	1002004-08 S-SO-56394-CB-011410-041	Arsenic
	1002004-08 S-SO-56394-CB-011410-041	Vanadium

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

Analysis:	USEPA-6010B	
Sample/Analyte:	1002004-08 S-SO-56394-CB-011410-041	Iron

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TRIMATRIX LABORATORIES

SDG CASE NARRATIVE

Attachment 2
Statement of Data Qualifications

SPLP Metals by EPA 1312/6000/7000 Series Methods

Analysis: USEPA-6020A

Sample/Analyte: 1002004-01 S-SO-56394-CB-011110-003 Zinc

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

Analysis: USEPA-6020A

Sample/Analyte: 1002004-01 S-SO-56394-CB-011110-003 Zinc

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

Analysis: USEPA-6010B

Sample/Analyte: 1002004-01 S-SO-56394-CB-011110-003 Iron

Qualification: The MS and/or MSD recovery exceeded the upper control limit. The non-spiked sample result for the same analyte was non-detect and is not qualified.

Analysis: USEPA-7470A

Sample/Analyte: 1002004-01 S-SO-56394-CB-011110-003 Mercury

1002004-08 S-SO-56394-CB-011410-041 Mercury

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TRIMATRIX
LABORATORIES

SECTION - A

FIELD COC RECORDS AND RECEIVING DOCUMENTATION

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Chain of Custody Record

COC No. TK001

PM011110 B Relog for SPLP CN 1/21/10

For Lab Use Only

Cart	/
VOA Rack/Tray	–
Receipt Log No.	10-31
Project Chemist	Lisa Harvey
Work Order No.	~~1001142~~ 1001277

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

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

Analyses Requested

Schedule	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	Comp / Grab	Matrix	Total Metals* (soil)	Total CN, %S (soil)	SPLP-Metals* (soil)	SPLP-Cyanide (Soil)		Total CN (wtr)	Total Metals* (wtr)	LLHg (wtr)	Dissolved metals		Total	Sample Comments
										A	A	A	A		E	B	A				
										17	17	17	17		5	6	2				
F	WG ~~WP~~	~~01~~	1	S-VAS-56394-DR-011110-1001	TRC 1902	01/11/10	1645 ~~1640~~	G	Gw						~~2~~ 1	2 (1)		(1)		2	D-MET T-MET *
A	SO	~~02~~	2	S-SO-56394-CB-011110-003		01/11/10	1535	G	Soil	1	X									1	
E A	NC SO	01 ~~03~~	3	S-SS-56394-EV-011210-011		01/12/10	1120	Comp	Soil	1	X		X							1	
E A	SO	02 ~~04~~	4	S-SO-56394-CB-011210-015		01/12/10	1600	G	Soil	1	X		X							1	
			5																		
			6																		
			7																		
			8																		
			9																		
			10																		

Container Type (corresponds to Container Packing List)

Number of Containers Submitted

⇦ PRESERVATIVES

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

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

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

* NO Hg on water; Run TCN on soil. OK - Jeff Lifka

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
[signature]	1/12/10	1810						
1. Received By	**Date**	**Time**	**2. Received By**	**Date**	**Time**	**3. Received For Lab By**	**Date**	**Time**
						J. Nardin	1-12-10	18:10

TriMatrix Laboratories, Inc.

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

Chain of Custody Record

COC No. 06233

For Lab Use Only
Cart: 6
VOA Rack/Tray: –
Receipt Log No.: 13-16
Project Chemist: Lisa Harvey
Work Order No.: ~~1001177~~ 1001277

PM0111 10B Relog for SPLP (N) 1/21/10

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

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

Analyses Requested

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

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

Schedule	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	Comp / Grab	Matrix	Number of Containers Submitted									Total	Sample Comments
(A)		03 ~~01~~	1	S-SS-56394-EV-011310-021		01-13-10	1135	Comp	S	X	X		X						1	TOTAL METALS + TOTAL CN in soil containers
		04 ~~02~~	2	S-SO-56394-CB-011410-033		1-14-10	0905	Comp	S	X	X		X						1	
		05 ~~03~~	3	SD-SO-56394-CB-011410-033		1-14-10	0907	Comp	S	X	X		X						1	
		~~04~~	4	S-SO-56394-CB-011410-046		1-14-10	1225	Comp	S	X	X								1	
(B)		06 ~~05~~	5	S-SO-56394-CB-011410-041		1-14-10	1120	Comp	S	~~X~~ 3	~~X~~ 3		X						3	MS/MSD
I		~~06~~	6	S-VAS-56394-DR-011410-1013		1-14-10	0845	Grab	W							X			1	
H		~~07~~	7	S-VAS-56394-DR-011410-1013		1-14-10	0845	Grab	W									X	1	filtered in field
I		~~08~~	8	SD-VAS-56394-DR-011310-1008		1-13-10	1010	Grab	W							X			1	
H		~~09~~	9	SD-VAS-56394-DR-011310-1008		1-13-10	1010	Grab	W									X	1	filtered in field
I		~~10~~	10	S-VAS-56394-DR-011310-1008		1-13-10	1010	Grab	W							X			1	

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

How Shipped?
Tracking No.

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

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

1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
						D. Hardin	1-14-10	1736

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. 06234

PM 01 11 10 B relog for SPLP CN 1/21/10

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

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

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

Analyses Requested

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

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

Schedule	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	Comp / Grab	Matrix	Total	Sample Comments
+1		~~04~~	1	S-VAS-S6394-DR-011310-1008		1-13-10	1010	Grab	W	1	filtered in field
A		07 12	2	S-SO-S6394-DR-011310-1011		1-13-10	1325	Comp	S	1	Total metals + CN in same jar
E		08 13	3	S-SO-S6394-CB-011310-028		1-13-10	1630	Comp	S	1	
↓		~~14~~	4	S-SO-S6394-CB-011410-040		1-14-10	1025	Comp	S	1	
↓		~~15~~	5	S-SO-S6394-CB-011310-026		1-13-10	1520	Comp	S	1	
			6								
			7								
			8								
			9								
			10								

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

How Shipped?
Tracking No.

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

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

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

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. TK001

For Lab Use Only

Cart: /

VOA Rack/Tray: —

Receipt Log No.: 41-3 ~~10-31~~

Project Chemist: Lisa Harvey

Work Order No.: 1002004 ~~1001142~~

2/1/10 Log in for SPLP-metals (list varies)

Log in all metals PM011110B

Client Name: SulTRAC 2-22-10 / JEFFL

Address: 1 S. Wacker Drive, Suite 3700, Chicago, IL 60606
SulTRAC EP-S5-06-02 WA006

Phone: 312-201-7491
Fax: 312-938-0118

Project Name: Plainwell Mill

Client Project No. / P.O. No.:

Invoice To: ● Client ○ Other (comments)

Contact/Report To: Jeff Lifka - TTEMI

Analyses Requested

Container Type (corresponds to Container Packing List)	A	A	A	A		E	B	A		
	Total Metals* (soil)	Total CN, %S (soil)	SPLP-Metals* (soil) 2/1/10	SPLP-Cyanide (Soil)		Total CN (wtr)	Total Metals* (wtr)	LLHg (wtr)	Dissolves metals	
Number of Containers Submitted	17	17	17	17		5	6	2		

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

Schedule	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	Comp / Grab	Matrix	Total Metals* (soil)	Total CN, %S (soil)	SPLP-Metals* (soil)	SPLP-Cyanide (Soil)		Total CN (wtr)	Total Metals* (wtr)	LLHg (wtr)			Total	Sample Comments
~~F~~	~~WP~~ WG	~~01~~	1	S-VAS-56394-DR-011110-1001	TRC 1902	01/11/10	1645	G	Gw						~~2~~ 1	2	1			2	D-MET T-MET *
~~G~~ A K	SO	01 ~~02~~	2	S-SO-56394-CB-011110-003		01/11/10	1535	G	Soil	1	X	✓								1	
~~G~~ A K	NC SO	02 ~~03~~	3	S-SS-56394-EV-011210-011		01/12/10	1120	Comp	Soil	1	X	✓								1	
~~G~~ A K	SO	03 ~~04~~	4	S-SO-56394-CB-011210-015		01/12/10	1600	G	Soil	1	X	✓								1	
			5																		
			6																		
			7																		
			8																		
			9																		
			10																		

Sampled By (print): Kristi Root & Rob Kondreck

Sampler's Signature: [signature]

Company:

How Shipped?

Tracking No.

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

* No Hg on water; Run TCN on soil. OK - Jeff Lifka
No Na/Mg on SPLP

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

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

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. 06233

$ 2/1/10 log in for SPLP metals (LIST VARIES)

- log in all metals PM011110B

For Lab Use Only

Cart: 6

VOA Rack/Tray: –

Receipt Log No.: 41-3 ~~13-16~~

Project Chemist: Lisa Harvey

Work Order No.: ~~1001177~~ 1002004

Client Name: SulTRAC 2-22-10 / Jeff L.

Address: 1 S. Wacker Drive, Suite 3700, Chicago, IL 60606
SulTRAC EP-S5-06-02 WA006

Phone: 312-201-7491
Fax: 312-938-0118

Project Name: Plainwell Mill

Client Project No. / P.O. No.:

Invoice To: ◉ Client ○ Other (comments)

Contact/Report To: Jeff Lifka - TTEMI

Analyses Requested

Schedule	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	Comp / Grab	Matrix	A Total Metals* (soil)	A Total CN, %S (soil)	A SPLP-Metals* (soil) 2/1/10	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			
A K		04 ~~01~~	1	S-SS-56394-EV-011310-021		01-13-10	1135	Comp	S	X	X	✓								1	TOTAL METALS + TOTAL CN in same containers
K		05 ~~02~~	2	S-SO-56394-CB-011410-033		1-14-10	0905	Comp	S	X	X	✓								1	
K	FD	06 ~~03~~	3	SD-SO-56394-CB-011410-033		1-14-10	0907	Comp	S	X	X	✓								1	
K		07 ~~04~~	4	S-SO-56394-CB-011410-046		1-14-10	1225	Comp	S	X	X	✓								1	
L B		08 ~~05~~	5	S-SO-56394-CB-011410-041		1-14-10	1120	Comp	S	X ~~3~~	X ~~3~~	✓								3	MS/MSD
~~I~~		~~06~~	6	S-VAS-56394-DR-011410-1013		1-14-10	0845	Grab	W							X				1	
~~H~~		~~07~~	7	S-VAS-56394-DR-011410-1013		1-14-10	0845	Grab	W									X		1	filtered in field
~~I~~	FD	~~08~~	8	SD-VAS-56394-DR-011310-1008		1-13-10	1010	Grab	W							X				1	
~~H~~	FD	~~09~~	9	SD-VAS-56394-DR-011310-1008		1-13-10	1010	Grab	W									X		1	filtered in field
~~I~~		~~10~~	10	S-VAS-56394-DR-011310-1008		1-13-10	1010	Grab	W							X				1	

Sampled By (print): Kristi Root

Sampler's Signature: [signature]

Company: TetraTech/SulTRAC

How Shipped?

Tracking No.

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

No Na/Mg on SPLP

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

1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
						D. Hardin	1-14-10	1736

⇦ 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)

TriMatrix Laboratories, Inc.

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

Chain of Custody Record

COC No. 06234

log in all metals ☆ 2/1/10 - log in for SPLP metals (list varies) PM 01 11 10 B

For Lab Use Only
Cart: 6
VOA Rack/Tray:
Receipt Log No.: 41-3 1376
Project Chemist: Lisa Harvey
Work Order No.: 1001179 1002004

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

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

Analyses Requested

	A	A	A☆	A		E	B	A	B	
	Total Metals* (soil)	Total CN, %S (soil)	SPLP-Metals* (soil) 2/1/10	SPLP-Cyanide (Soil)		Total CN (wtr)	Total Metals* (wtr)	LLHg (wtr)	Dissolved Metals* (wtr)	
Container Type (corresponds to Container Packing List)										
Number of Containers Submitted	17	17	17	17		5	6	23	15	

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

Schedule	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	Comp / Grab	Matrix	Total	Sample Comments
~~H~~		~~11~~	1	S-VAS-S6394-DR-011310-1008		1-13-10	1010	Grab	W	1	filtered in field
A K		09 ~~12~~	2	S-SO-S6394-DR-011310-7011		1-13-10	1325	Comp	S	1	Total metals + CN in same jar
↓		10 ~~13~~	3	S-SO-S6394-CB-011310-028		1-13-10	1630	Comp	S	1	
↓		11 ~~14~~	4	S-SO-S6394-CB-011410-040		1-14-10	1025	Comp	S	1	
↓		12 ~~15~~	5	S-SO-S6394-CB-011310-026		1-13-10	1520	Comp	S	1	
			6								
			7								
			8								
			9								
			10								

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

How Shipped?
Tracking No.

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

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

TriMatrix Laboratories, Inc.

SAMPLE RECEIVING / LOG-IN CHECKLIST

Client: SulTRAC | Project-Submittal No. New / Add To: 100442 100127
Receipt Record Page/Line No.: 10-31 | Project Chemist: MA | Sample Nos.: 01-04 2elog 1-8

Coolers Received

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

☑ Cooler ☐ Box ☐ Other | Qty Received: 1

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

Cooler No. / Time	Cooler No. / Time	Cooler No. / Time	Cooler No. / Time
TR1906 / 19:50			

Custody Seals:
- Cooler 1: ☑ None ☐ Present / Intact ☐ Present / Not Intact
- Cooler 2: ☐ None ☐ Present / Intact ☐ Present / Not Intact
- Cooler 3: ☐ None ☐ Present / Intact ☐ Present / Not Intact
- Cooler 4: ☐ None ☐ Present / Intact ☐ Present / Not Intact

Coolant Location:
- Cooler 1: Dispersed / (Top) / Middle / Bottom
- Cooler 2: Dispersed / Top / Middle / Bottom
- Cooler 3: Dispersed / Top / Middle / Bottom
- Cooler 4: Dispersed / Top / Middle / Bottom

Coolant/Temperature Taken Via:
- Cooler 1: ☐ Loose Ice / Avg 2-3 containers ☑ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers
- Cooler 2: ☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers
- Cooler 3: ☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers
- Cooler 4: ☐ 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:
- Cooler 1: ☑ Temperature Blank (TB) ☐ 1 Container
- Cooler 2: ☐ Temperature Blank (TB) ☐ 1 Container
- Cooler 3: ☐ Temperature Blank (TB) ☐ 1 Container
- Cooler 4: ☐ Temperature Blank (TB) ☐ 1 Container

Cooler 1	Recorded °C	Correction Factor °C	Actual °C
Temp Blank:		0	9.3
TB location: Representative / Not Representative			
1	9.2	0	9.2
2	9.4	0	9.4
3	9.4	0	9.4
Average °C			9.4

Cooler 1: ☑ Cooler ID on COC? ☐ VOC Trip Blank received?

Cooler 2: 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 3: 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 4: 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. TR001

☑ TriMatrix

☐ Other (Name or ID#)_____

Check COC for Accuracy

☐ No analysis requested

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

Sample Condition Summary

☐ Non-TriMatrix containers, see Notes

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

Check Sample Preservation

N/A	Yes	No	
	☐	☑	Average sample temperature ≤6° C?
☐	☑		Completed Sample Preservation Verification Form?
☐	☑		Samples preserved correctly?
☑	☐		If "No", added orange tag?
☑	☐		Received pre-preserved VOC soils? ☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

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

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

Notes

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

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

TriMatrix Laboratories, Inc.

SAMPLE RECEIVING / LOG-IN CHECKLIST

Client: SUNTRAC | Project-Submittal No. New / Add To: ~~100477~~ 1001277
Receipt Record Page/Line No.: 13-14 | Project Chemist | Sample Nos.: Pellets 1-8

Coolers Received

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

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

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

Cooler No.	Time	Custody Seals	Coolant Location	Coolant/Temperature Taken Via	Alternate Temperature Taken Via
TM144618:15		☐ None ☑ Present / Intact ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ■ None / Avg 2-3 containers	☑ Temperature Blank (TB) ☐ 1 Container
Cooler No.	Time	☐ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ■ None / Avg 2-3 containers	☐ Temperature Blank (TB) ☐ 1 Container
Cooler No.	Time	☐ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ■ None / Avg 2-3 containers	☐ Temperature Blank (TB) ☐ 1 Container
Cooler No.	Time	☐ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ■ None / Avg 2-3 containers	☐ Temperature Blank (TB) ☐ 1 Container

Recorded °C	Correction Factor °C	Actual °C
Temp Blank:	0	1.7
TB location: Representative / Not Representative		
1 3.7	0	3.7
2 4.1	0	4.1
3 4.4	0	4.4
Average °C		4.1
☐ Cooler ID on COC?		
☐ VOC Trip Blank received?		

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

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

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

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

Paperwork Received

☐ No COC Received

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

COC ID Nos. 06233, 06234

☑ TriMatrix

☐ Other (Name or ID#) ____

Check COC for Accuracy

☐ No analysis requested

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

Sample Condition Summary

☐ Non-TriMatrix containers, see Notes

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

Check Sample Preservation

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

☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

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

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

Notes

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

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

Relog SVOC metals

TriMatrix Laboratories, Inc.

SAMPLE RECEIVING / LOG-IN CHECKLIST

Client: SUTRAC | Project-Submittal No.: New / Add To 1001142 1002004
Receipt Record Page/Line No.: 10-31 | Project Chemist: MA | Sample Nos.: 01-04 01-12

Coolers Received

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

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

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

Cooler No. / Time	Cooler No. / Time	Cooler No. / Time	Cooler No. / Time
1, 1, 1906 / 19:50			
Custody Seals:			
☑ None	☐ None	☐ None	☐ None
☐ Present / Intact	☐ Present / Intact	☐ Present / Intact	☐ Present / Intact
☐ Present / Not Intact	☐ Present / Not Intact	☐ Present / Not Intact	☐ Present / Not Intact
Coolant Location:			
Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom
Coolant/Temperature Taken Via:			
☐ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers
☑ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers
☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers
☐ None / Avg 2-3 containers	☐ None / Avg 2-3 containers	☐ None / Avg 2-3 containers	☐ None / Avg 2-3 containers
Alternate Temperature Taken Via:			
☑ Temperature Blank (TB)	☐ Temperature Blank (TB)	☐ Temperature Blank (TB)	☐ Temperature Blank (TB)
☐ 1 Container	☐ 1 Container	☐ 1 Container	☐ 1 Container
Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C
Temp Blank: 0 / 9.3	Temp Blank:	Temp Blank:	Temp Blank:
TB location: Representative / Not Representative	TB location: Representative / Not Representative	TB location: Representative / Not Representative	TB location: Representative / Not Representative
1: 9.2 / 0 / 9.2	1:	1:	1:
2: 9.7 / 0 / 9.7	2:	2:	2:
3: 9.4 / 0 / 9.4	3:	3:	3:
Average °C: 9.4	Average °C:	Average °C:	Average °C:
☑ Cooler ID on COC?	☐ Cooler ID on COC?	☐ Cooler ID on COC?	☐ Cooler ID on COC?
☐ VOC Trip Blank received?	☐ VOC Trip Blank received?	☐ VOC Trip Blank received?	☐ VOC Trip Blank received?

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

Paperwork Received

☐ No COC Received

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

COC ID Nos. TR001

☑ TriMatrix

☐ Other (Name or ID#)_____

Check COC for Accuracy

☐ No analysis requested

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

Sample Condition Summary

☐ Non-TriMatrix containers, see Notes

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

Check Sample Preservation

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

☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

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

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

Notes

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

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

Relog SPLP metals

TriMatrix Laboratories, Inc.

SAMPLE RECEIVING / LOG-IN CHECKLIST

Client: SulTRAC | Project-Submittal No. New / Add To: 1001174 1002004
Receipt Record Page/Line No.: 13-16 | Project Chemist: MH | Sample Nos.: 01-12

Coolers Received

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

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

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

Cooler No. / Time	Cooler No. / Time	Cooler No. / Time	Cooler No. / Time
TMI446 / 18:15			
Custody Seals:	Custody Seals:	Custody Seals:	Custody Seals:
☐ None	☐ None	☐ None	☐ None
☑ Present / Intact	☐ Present / Intact	☐ Present / Intact	☐ Present / Intact
☐ Present / Not Intact	☐ Present / Not Intact	☐ Present / Not Intact	☐ Present / Not Intact
Coolant Location:	Coolant Location:	Coolant Location:	Coolant Location:
Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom
Coolant/Temperature Taken Via:	Coolant/Temperature Taken Via:	Coolant/Temperature Taken Via:	Coolant/Temperature Taken Via:
☐ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers	☐ Loose Ice / Avg 2-3 containers
☐ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers	☐ Bagged Ice / Avg 2-3 containers
☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers	☐ Blue Ice / Avg 2-3 containers
☑ None / Avg 2-3 containers	☑ None / Avg 2-3 containers	☑ None / Avg 2-3 containers	☑ None / Avg 2-3 containers
Alternate Temperature Taken Via:	Alternate Temperature Taken Via:	Alternate Temperature Taken Via:	Alternate Temperature Taken Via:
☑ Temperature Blank (TB)	☐ Temperature Blank (TB)	☐ Temperature Blank (TB)	☐ Temperature Blank (TB)
☐ 1 Container	☐ 1 Container	☐ 1 Container	☐ 1 Container
Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C
Temp Blank: 0 / 1.7	Temp Blank:	Temp Blank:	Temp Blank:
TB location: Representative / Not Representative	TB location: Representative / Not Representative	TB location: Representative / Not Representative	TB location: Representative / Not Representative
1 3.7 / 0 / 3.7	1	1	1
2 4.1 / 0 / 4.1	2	2	2
3 4.4 / 0 / 4.4	3	3	3
Average °C: 4.1	Average °C	Average °C	Average °C
☐ Cooler ID on COC?	☐ Cooler ID on COC?	☐ Cooler ID on COC?	☐ Cooler ID on COC?
☐ VOC Trip Blank received?	☐ VOC Trip Blank received?	☐ VOC Trip Blank received?	☐ VOC Trip Blank received?

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

Paperwork Received

☐ No COC Received

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

COC ID Nos.: 06233, 06234

☑ TriMatrix

☐ Other (Name or ID#)_____

Check COC for Accuracy

☐ No analysis requested

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

Sample Condition Summary

☐ Non-TriMatrix containers, see Notes

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

Check Sample Preservation

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

☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

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

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

Notes

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

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

TRIMATRIX LABORATORIES

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 Site Mill**

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

Department: **Inorganic - Wet Chemistry** Analysis: Cyanide SPLP 9014

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001277-01 S-SS-56394-EV-011210-011	A02	Lucy M Harvey	01/25/10 10:00am	01/25/10 1:50pm	No	—
1001277-02 S-SO-56394-CB-011210-015	A02					—
1001277-03 S-SS-56394-EV-011310-021	A02					—
1001277-04 S-SO-56394-CB-011410-033	A02	"	"	"	"	—
1001277-05 SD-SO-56394-CB-011410-033	A02					—
1001277-06 S-SO-56394-CB-011410-041	A02					—
1001277-07 S-SO-56394-DR-011310-1011	A02					—
1001277-08 S-SO-56394-CB-011310-028	A02	Lucy M Harvey	01/25/10 10:00am	01/25/10 1:50pm	No	—

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

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

Department: **Inorganic - Wet Chemistry** Analysis: 9010B Cyanide Distillation

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1001277-01 S-SS-56394-EV-011210-011	A01	Lucy M Adney	01/20/10 8:15am	01/20/10 8:45am	NO	A02
1001277-02 S-SO-56394-CB-011210-015	A01	"	"	"	"	"
1001277-03 S-SS-56394-EV-011310-021	A01	"	01/20/10 8:15am	01/20/10 8:45am	"	"
1001277-04 S-SO-56394-CB-011410-033	A01	"	01/22/10 7:00am	01/22/10 7:15am	"	"
1001277-05 SD-SO-56394-CB-011410-033	A01	"	01/20/10 8:15am	01/20/10 8:45am	"	"
1001277-06 S-SO-56394-CB-011410-041	A01	"	"	"	"	"
1001277-07 S-SO-56394-DR-011310-1011	A01	"	"	"	"	"
1001277-08 S-SO-56394-CB-011310-028	A01	Lucy M Adney	01/20/10 8:15am	01/20/10 8:45am	NO	A02

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

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

Department: **Metals** Analysis: 1311 Extraction

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002004-01 S-SO-56394-CB-011110-003	A	Tina Scott	02-02-10 12:00 pm	02-02-10 1:30 pm	NO	A01
1002004-02 S-SS-56394-EV-011210-011						
1002004-03 S-SO-56394-CB-011210-015						
1002004-04 S-SS-56394-EV-011310-021						
1002004-05 S-SO-56394-CB-011410-033						
1002004-06 SD-SO-56394-CB-011410-033	B/S	B/S	B/S	B/S	B/S	B/S
1002004-07 S-SO-56394-CB-011410-046						
1002004-08 S-SO-56394-CB-011410-041						
1002004-09 S-SO-56394-DR-011310-1011						
1002004-10 S-SO-56394-CB-011310-028						
1002004-11 S-SO-56394-CB-011410-040						
1002004-12 S-SO-56394-CB-011310-026	A	Tina Scott	02-02-10 12:00 pm	02-02-10 1:30 pm	NO	A01

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

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

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002004-01 S-SO-56394-CB-011110-003	A	Ina Scott	02-09-10 7:00 AM	02-09-10 4:00 PM	NO	A02
1002004-02 S-SS-56394-EV-011210-011						
1002004-03 S-SO-56394-CB-011210-015						
1002004-04 S-SS-56394-EV-011310-021						
1002004-05 S-SO-56394-CB-011410-033						
1002004-06 SD-SO-56394-CB-011410-033	S	S	S	S	S	S
1002004-07 S-SO-56394-CB-011410-046						
1002004-08 S-SO-56394-CB-011410-041						
1002004-09 S-SO-56394-DR-011310-1011						
1002004-10 S-SO-56394-CB-011310-028						
1002004-11 S-SO-56394-CB-011410-040						
1002004-12 S-SO-56394-CB-011310-026	A	Ina Scott	02-09-10 7:00 AM	02-09-10 4:00 PM	NO	A02

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

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

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002004-01 S-SO-56394-CB-011110-003	A02	Joanne Jay	2/9/10 4:00pm	2/10/10 2:00pm	No	
1002004-02 S-SS-56394-EV-011210-011						
1002004-03 S-SO-56394-CB-011210-015						
1002004-04 S-SS-56394-EV-011310-021						
1002004-05 S-SO-56394-CB-011410-033						
1002004-06 SD-SO-56394-CB-011410-033						
1002004-07 S-SO-56394-CB-011410-046						
1002004-08 S-SO-56394-CB-011410-041						
1002004-09 S-SO-56394-DR-011310-1011						
1002004-10 S-SO-56394-CB-011310-028						
1002004-11 S-SO-56394-CB-011410-040						
1002004-12 S-SO-56394-CB-011310-026	A02	Joanne Jay	2/9/10 4:00pm	2/10/10 2:00pm	No	

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

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

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002004-01 S-SO-56394-CB-011110-003	A	ma Scott	02-09-10 7°AM	02-09-10 4°pm	NO	A03
1002004-02 S-SS-56394-EV-011210-011						
1002004-03 S-SO-56394-CB-011210-015						
1002004-04 S-SS-56394-EV-011310-021						
1002004-05 S-SO-56394-CB-011410-033						
1002004-06 SD-SO-56394-CB-011410-033	〃	〃	〃	〃	〃	〃
1002004-07 S-SO-56394-CB-011410-046						
1002004-08 S-SO-56394-CB-011410-041						
1002004-09 S-SO-56394-DR-011310-1011						
1002004-10 S-SO-56394-CB-011310-028						
1002004-11 S-SO-56394-CB-011410-040	↓					↓
1002004-12 S-SO-56394-CB-011310-026	A	ma Scott	02-09-10 7°AM	02-09-10 4°pm	NO	A03

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

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

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002004-01 S-SO-56394-CB-011110-003	A03	Dan Johnson	2-09-10 4:00Pm	2-23-10 9:45Am	NO	
1002004-02 S-SS-56394-EV-011210-011						
1002004-03 S-SO-56394-CB-011210-015						
1002004-04 S-SS-56394-EV-011310-021						
1002004-05 S-SO-56394-CB-011410-033						
1002004-06 SD-SO-56394-CB-011410-033	"	"	"			
1002004-07 S-SO-56394-CB-011410-046				"	"	
1002004-08 S-SO-56394-CB-011410-041						
1002004-09 S-SO-56394-DR-011310-1011						
1002004-10 S-SO-56394-CB-011310-028						
1002004-11 S-SO-56394-CB-011410-040	↓					
1002004-12 S-SO-56394-CB-011310-026	A03	Dan Johnson	2-09-10 4:00Pm	2-23-10 9:45Am	NO	

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

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

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002004-01 S-SO-56394-CB-011110-003	A	Ma Scott	02-04-10 1°°pm	02-04-10 3°°pm	No	A04
1002004-02 S-SS-56394-EV-011210-011						
1002004-03 S-SO-56394-CB-011210-015	A	Ma Scott	02-04-10 1°°pm	02-04-10 3°°pm	NO	A04
1002004-04 S-SS-56394-EV-011310-021						
1002004-05 S-SO-56394-CB-011410-033						
1002004-06 SD-SO-56394-CB-011410-033	A	Ma Scott	02-04-10 1°°pm	02-04-10 3°°pm	NO	A04
1002004-07 S-SO-56394-CB-011410-046						
1002004-08 S-SO-56394-CB-011410-041	A	Ma Scott	02-04-10 1°°pm	02-04-10 3°°pm	No	A04
1002004-09 S-SO-56394-DR-011310-1011	A	Ma Scott	02-04-10 1°°pm	02-04-10 3°°pm	NO	A04
1002004-10 S-SO-56394-CB-011310-028	A	Ma Scott	02-04-10 1°°pm	02-04-10 3°°pm	NO	A04
1002004-11 S-SO-56394-CB-011410-040						
1002004-12 S-SO-56394-CB-011310-026						

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

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

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002004-01 S-SO-56394-CB-011110-003	A04	Kari Vissers	2-4-10 3:00pm	2-5-10 3:00pm	yes	
1002004-02 S-SS-56394-EV-011210-011						
1002004-03 S-SO-56394-CB-011210-015	A04	Kari Vissers	2-4-10 3:00pm	2-5-10 3:00pm	yes	
1002004-04 S-SS-56394-EV-011310-021						
1002004-05 S-SO-56394-CB-011410-033						
1002004-06 SD-SO-56394-CB-011410-033	A04	Kari Vissers	2-4-10 3:00pm	2-5-10 3:00pm	yes	
1002004-07 S-SO-56394-CB-011410-046						
1002004-08 S-SO-56394-CB-011410-041	A04	Kari Vissers	2-4-10 3:00pm	2-5-10 3:00pm	yes	
1002004-09 S-SO-56394-DR-011310-1011	A04	↓KW	↓KW	↓KW	↓KW	
1002004-10 S-SO-56394-CB-011310-028	A04	Kari Vissers	2-4-10 3:00pm	2-5-10 3:00pm	yes	
1002004-11 S-SO-56394-CB-011410-040						
1002004-12 S-SO-56394-CB-011310-026						

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

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

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002004-01 S-SO-56394-CB-011110-003						
1002004-02 S-SS-56394-EV-011210-011	A	Ma Scott	02-23-10 2°° pm	02-23-10 4°° pm	No	AOS
1002004-03 S-SO-56394-CB-011210-015						
1002004-04 S-SS-56394-EV-011310-021	A	Ma Scott	02-23-10 2°° pm	02-23-10 4°° pm	No	AOS
1002004-05 S-SO-56394-CB-011410-033	A	Ma Scott	02-23-10 2°° pm	02-23-10 4°° pm	No	AOS
1002004-06 SD-SO-56394-CB-011410-033						
1002004-07 S-SO-56394-CB-011410-046	A	Ma Scott	02-23-10 2°° pm	02-23-10 4°° pm	No	AOS
1002004-08 S-SO-56394-CB-011410-041						
1002004-09 S-SO-56394-DR-011310-1011						
1002004-10 S-SO-56394-CB-011310-028						
1002004-11 S-SO-56394-CB-011410-040	A	Ma Scott	02-23-10 2°° pm	02-23-10 4°° pm	No	AOS
1002004-12 S-SO-56394-CB-011310-026	A	Ma Scott	02-23-10 2°° pm	02-23-10 4°° pm	No	AOS

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

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

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

Lab Number / Sample Name	*Container*	*Removed by (Signature)*	*Date & Time Removed*	*Date & Time Returned*	*Consumed?*	*Extract Container*
1002004-01 S-SO-56394-CB-011110-003						
1002004-02 S-SS-56394-EV-011210-011	AOS	Denise Cotter	2-23-10 4:00 PM	2-24-10 3:30 PM	YES	
1002004-03 S-SO-56394-CB-011210-015						
1002004-04 S-SS-56394-EV-011310-021	AOS	Denise Cotter	2-23-10 4:00 PM	2-24-10 3:30 PM	YES	
1002004-05 S-SO-56394-CB-011410-033	AOS	Denise Cotter	2-23-10 4:00 PM	2-24-10 3:20 PM	YES	
1002004-06 SD-SO-56394-CB-011410-033						
1002004-07 S-SO-56394-CB-011410-046	AOS	Denise Cotter	2-23-10 4:00 PM	2-24-10 3:20 PM	YES	
1002004-08 S-SO-56394-CB-011410-041						
1002004-09 S-SO-56394-DR-011310-1011						
1002004-10 S-SO-56394-CB-011310-028						
1002004-11 S-SO-56394-CB-011410-040	AOS	Denise Cotter	2-23-10 4:00 PM	2-24-10 3:30 PM	YES	
1002004-12 S-SO-56394-CB-011310-026	AOS	Denise Cotter	2-23-10 4:00 PM	2-24-10 3:30 PM	YES	

TRIMATRIX LABORATORIES

SECTION - C

INORGANIC - METALS

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Individual sample results relate only to the sample tested.

TriMatrix Laboratories, Inc.

SulTRAC

Project: Plainwell Mill

SDG: PM011110B

USEPA-6010B

SAMPLE ID SUMMARY

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110B

Client: SulTRAC

Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-SO-56394-CB-011110-003	1002004-01
S-SS-56394-EV-011210-011	1002004-02
S-SO-56394-CB-011210-015	1002004-03
S-SS-56394-EV-011310-021	1002004-04
S-SO-56394-CB-011410-033	1002004-05
SD-SO-56394-CB-011410-033	1002004-06
S-SO-56394-CB-011410-046	1002004-07
S-SO-56394-CB-011410-041	1002004-08
S-SO-56394-DR-011310-1011	1002004-09
S-SO-56394-CB-011310-028	1002004-10
S-SO-56394-CB-011410-040	1002004-11
S-SO-56394-CB-011310-026	1002004-12

00035

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011110-003

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/11/10 15:35
Solids: 0.00
Laboratory ID: 1002004-01

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/09/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1000900

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.96	mg/L	1	0.10	0.023		02/10/10 11:42
7440-39-3	Barium, SPLP	0.025	mg/L	1	0.010	0.0036		02/10/10 11:42
7439-89-6	Iron, SPLP	1.3	mg/L	1	0.020	0.0042		02/10/10 11:42
7439-96-5	Manganese, SPLP	0.070	mg/L	1	0.020	0.0031		02/10/10 11:42
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/10/10 11:42

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SS-56394-EV-011210-011

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/12/10 11:20
Solids: 0.00
Laboratory ID: 1002004-02

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/09/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1000900

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	2.4	mg/L	1	0.10	0.023		02/10/10 12:01
7440-39-3	Barium, SPLP	0.032	mg/L	1	0.010	0.0036		02/10/10 12:01
7439-89-6	Iron, SPLP	3.0	mg/L	1	0.020	0.0042		02/10/10 12:01
7439-96-5	Manganese, SPLP	0.23	mg/L	1	0.020	0.0031		02/10/10 12:01
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/10/10 12:01

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011210-015

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/12/10 16:00
Solids: 0.00
Laboratory ID: 1002004-03

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/09/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1000900

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.15	mg/L	1	0.10	0.023		02/10/10 12:05
7440-39-3	Barium, SPLP	0.052	mg/L	1	0.010	0.0036		02/10/10 12:05
7439-89-6	Iron, SPLP	0.22	mg/L	1	0.020	0.0042		02/10/10 12:05
7439-96-5	Manganese, SPLP	0.020	mg/L	1	0.020	0.0031	U	02/10/10 12:05
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/10/10 12:05

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SS-56394-EV-011310-021

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 11:35
Solids: 0.00
Laboratory ID: 1002004-04

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/09/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1000900

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	2.9	mg/L	1	0.10	0.023		02/10/10 12:09
7440-39-3	Barium, SPLP	0.027	mg/L	1	0.010	0.0036		02/10/10 12:09
7439-89-6	Iron, SPLP	2.4	mg/L	1	0.020	0.0042		02/10/10 12:09
7439-96-5	Manganese, SPLP	0.18	mg/L	1	0.020	0.0031		02/10/10 12:09
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/10/10 12:09

00039

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011410-033

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 09:05
Solids: 0.00
Laboratory ID: 1002004-05

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/09/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1000900

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	1.7	mg/L	1	0.10	0.023		02/10/10 12:21
7440-39-3	Barium, SPLP	0.020	mg/L	1	0.010	0.0036		02/10/10 12:21
7439-89-6	Iron, SPLP	1.2	mg/L	1	0.020	0.0042		02/10/10 12:21
7439-96-5	Manganese, SPLP	0.053	mg/L	1	0.020	0.0031		02/10/10 12:21
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/10/10 12:21

00040

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

SD-SO-56394-CB-011410-033

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 09:07
Solids: 0.00
Laboratory ID: 1002004-06

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/09/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1000900

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	12	mg/L	1	0.10	0.023		02/10/10 12:25
7440-39-3	Barium, SPLP	0.12	mg/L	1	0.010	0.0036		02/10/10 12:25
7439-89-6	Iron, SPLP	10	mg/L	1	0.020	0.0042		02/10/10 12:25
7439-96-5	Manganese, SPLP	0.90	mg/L	1	0.020	0.0031		02/10/10 12:25
7440-02-0	Nickel, SPLP	0.0089	mg/L	1	0.010	0.0064	J	02/10/10 12:25

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011410-046

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 12:25
Solids: 0.00
Laboratory ID: 1002004-07

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/09/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1000900

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.12	mg/L	1	0.10	0.023		02/10/10 12:28
7440-39-3	Barium, SPLP	0.0060	mg/L	1	0.010	0.0036	J	02/10/10 12:28
7439-89-6	Iron, SPLP	0.017	mg/L	1	0.020	0.0042	J	02/10/10 12:28
7439-96-5	Manganese, SPLP	0.020	mg/L	1	0.020	0.0031	U	02/10/10 12:28
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/10/10 12:28

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 11:20
Solids: 0.00
Laboratory ID: 1002004-08

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/09/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1000900

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.88	mg/L	1	0.10	0.023		02/10/10 12:32
7440-39-3	Barium, SPLP	0.020	mg/L	1	0.010	0.0036		02/10/10 12:32
7439-89-6	Iron, SPLP	0.75	mg/L	1	0.020	0.0042		02/10/10 12:32
7439-96-5	Manganese, SPLP	0.028	mg/L	1	0.020	0.0031		02/10/10 12:32
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/10/10 12:32

00043

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-DR-011310-1011

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 13:25
Solids: 0.00
Laboratory ID: 1002004-09

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/09/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1000900

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.042	mg/L	1	0.10	0.023	J	02/10/10 12:52
7440-39-3	Barium, SPLP	0.25	mg/L	1	0.010	0.0036		02/10/10 12:52
7439-89-6	Iron, SPLP	0.017	mg/L	1	0.020	0.0042	J	02/10/10 12:52
7439-96-5	Manganese, SPLP	0.044	mg/L	1	0.020	0.0031		02/10/10 12:52
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/10/10 12:52

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011310-028

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 16:30
Solids: 0.00
Laboratory ID: 1002004-10

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/09/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1000900

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.53	mg/L	1	0.10	0.023		02/10/10 12:56
7440-39-3	Barium, SPLP	0.024	mg/L	1	0.010	0.0036		02/10/10 12:56
7439-89-6	Iron, SPLP	0.51	mg/L	1	0.020	0.0042		02/10/10 12:56
7439-96-5	Manganese, SPLP	0.013	mg/L	1	0.020	0.0031	J	02/10/10 12:56
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/10/10 12:56

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011410-040

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 10:25
Solids: 0.00
Laboratory ID: 1002004-11

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/09/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1000900

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.12	mg/L	1	0.10	0.023		02/10/10 13:08
7440-39-3	Barium, SPLP	0.0054	mg/L	1	0.010	0.0036	J	02/10/10 13:08
7439-89-6	Iron, SPLP	0.014	mg/L	1	0.020	0.0042	J	02/10/10 13:08
7439-96-5	Manganese, SPLP	0.020	mg/L	1	0.020	0.0031	U	02/10/10 13:08
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/10/10 13:08

INORGANIC ANALYSIS DATA SHEET
USEPA-6010B

S-SO-56394-CB-011310-026

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 15:20
Solids: 0.00
Laboratory ID: 1002004-12

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/09/10 07:00
Initial/Final: 25 mL / 25 mL
QC Batch: 1000900

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7429-90-5	Aluminum, SPLP	0.082	mg/L	1	0.10	0.023	J	02/10/10 13:12
7440-39-3	Barium, SPLP	0.0055	mg/L	1	0.010	0.0036	J	02/10/10 13:12
7439-89-6	Iron, SPLP	0.022	mg/L	1	0.020	0.0042		02/10/10 13:12
7439-96-5	Manganese, SPLP	0.020	mg/L	1	0.020	0.0031	U	02/10/10 13:12
7440-02-0	Nickel, SPLP	0.010	mg/L	1	0.010	0.0064	U	02/10/10 13:12

00047

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B10018

SDG: PM011110B
Project: Plainwell Mill
Instrument: 311
Calibration: 0B10008

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B10018-CAL1	0B10018-001	02/10/10 10:31
Cal Standard	0B10018-CAL2	0B10018-002	02/10/10 10:35
Cal Standard	0B10018-CAL3	0B10018-003	02/10/10 10:39
Cal Standard	0B10018-CAL4	0B10018-004	02/10/10 10:43
Cal Standard	0B10018-CAL5	0B10018-005	02/10/10 10:47
Secondary Cal Check	0B10018-SCV1	0B10018-006	02/10/10 10:51
Calibration Check	0B10018-CCV1	0B10018-006	02/10/10 10:51
Calibration Blank	0B10018-CCB1	0B10018-007	02/10/10 10:54
MRL Check	0B10018-CRL1	0B10018-008	02/10/10 10:58
Interference Check A	0B10018-IFA1	0B10018-009	02/10/10 11:02
Interference Check A	0B10018-IFA2	0B10018-010	02/10/10 11:08
Interference Check B	0B10018-IFB1	0B10018-011	02/10/10 11:15
Interference Check B	0B10018-IFB2	0B10018-012	02/10/10 11:21
Calibration Check	0B10018-CCV2	0B10018-013	02/10/10 11:27
Calibration Blank	0B10018-CCB2	0B10018-014	02/10/10 11:31
Blank	1000900-BLK1	0B10018-015	02/10/10 11:35
LCS	1000900-BS1	0B10018-016	02/10/10 11:39
S-SO-56394-CB-011110-003	1002004-01	0B10018-017	02/10/10 11:42
S-SO-56394-CB-011110-003	1002004-01	0B10018-017	02/10/10 11:42
S-SO-56394-CB-011110-003	1002004-01	0B10018-017	02/10/10 11:42
S-SO-56394-CB-011110-003	1002004-01	0B10018-017	02/10/10 11:42
S-SO-56394-CB-011110-003	1002004-01	0B10018-017	02/10/10 11:42
S-SO-56394-CB-011110-003	1000900-MS1	0B10018-018	02/10/10 11:46
S-SO-56394-CB-011110-003	1000900-MSD1	0B10018-019	02/10/10 11:50
S-SO-56394-CB-011110-003	0B10018-SRD1	0B10018-020	02/10/10 11:53
S-SO-56394-CB-011110-003	1000900-PS1	0B10018-021	02/10/10 11:57
S-SS-56394-EV-011210-011	1002004-02	0B10018-022	02/10/10 12:01
S-SS-56394-EV-011210-011	1002004-02	0B10018-022	02/10/10 12:01
S-SS-56394-EV-011210-011	1002004-02	0B10018-022	02/10/10 12:01
S-SS-56394-EV-011210-011	1002004-02	0B10018-022	02/10/10 12:01
S-SS-56394-EV-011210-011	1002004-02	0B10018-022	02/10/10 12:01
S-SO-56394-CB-011210-015	1002004-03	0B10018-023	02/10/10 12:05

00048

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B10018

SDG: PM011110B
Project: Plainwell Mill
Instrument: 311
Calibration: 0B10008

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-011210-015	1002004-03	0B10018-023	02/10/10 12:05
S-SO-56394-CB-011210-015	1002004-03	0B10018-023	02/10/10 12:05
S-SO-56394-CB-011210-015	1002004-03	0B10018-023	02/10/10 12:05
S-SO-56394-CB-011210-015	1002004-03	0B10018-023	02/10/10 12:05
S-SS-56394-EV-011310-021	1002004-04	0B10018-024	02/10/10 12:09
S-SS-56394-EV-011310-021	1002004-04	0B10018-024	02/10/10 12:09
S-SS-56394-EV-011310-021	1002004-04	0B10018-024	02/10/10 12:09
S-SS-56394-EV-011310-021	1002004-04	0B10018-024	02/10/10 12:09
S-SS-56394-EV-011310-021	1002004-04	0B10018-024	02/10/10 12:09
Calibration Check	0B10018-CCV3	0B10018-025	02/10/10 12:13
Calibration Blank	0B10018-CCB3	0B10018-026	02/10/10 12:17
S-SO-56394-CB-011410-033	1002004-05	0B10018-027	02/10/10 12:21
S-SO-56394-CB-011410-033	1002004-05	0B10018-027	02/10/10 12:21
S-SO-56394-CB-011410-033	1002004-05	0B10018-027	02/10/10 12:21
S-SO-56394-CB-011410-033	1002004-05	0B10018-027	02/10/10 12:21
S-SO-56394-CB-011410-033	1002004-05	0B10018-027	02/10/10 12:21
SD-SO-56394-CB-011410-033	1002004-06	0B10018-028	02/10/10 12:25
SD-SO-56394-CB-011410-033	1002004-06	0B10018-028	02/10/10 12:25
SD-SO-56394-CB-011410-033	1002004-06	0B10018-028	02/10/10 12:25
SD-SO-56394-CB-011410-033	1002004-06	0B10018-028	02/10/10 12:25
SD-SO-56394-CB-011410-033	1002004-06	0B10018-028	02/10/10 12:25
S-SO-56394-CB-011410-046	1002004-07	0B10018-029	02/10/10 12:28
S-SO-56394-CB-011410-046	1002004-07	0B10018-029	02/10/10 12:28
S-SO-56394-CB-011410-046	1002004-07	0B10018-029	02/10/10 12:28
S-SO-56394-CB-011410-046	1002004-07	0B10018-029	02/10/10 12:28
S-SO-56394-CB-011410-046	1002004-07	0B10018-029	02/10/10 12:28
S-SO-56394-CB-011410-041	1002004-08	0B10018-030	02/10/10 12:32
S-SO-56394-CB-011410-041	1002004-08	0B10018-030	02/10/10 12:32
S-SO-56394-CB-011410-041	1002004-08	0B10018-030	02/10/10 12:32
S-SO-56394-CB-011410-041	1002004-08	0B10018-030	02/10/10 12:32
S-SO-56394-CB-011410-041	1002004-08	0B10018-030	02/10/10 12:32
S-SO-56394-CB-011410-041	1000900-MS2	0B10018-031	02/10/10 12:36

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B10018

SDG: PM011110B
Project: Plainwell Mill
Instrument: 311
Calibration: 0B10008

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-011410-041	1000900-MSD2	0B10018-032	02/10/10 12:40
S-SO-56394-CB-011410-041	0B10018-SRD2	0B10018-033	02/10/10 12:44
S-SO-56394-CB-011410-041	1000900-PS2	0B10018-034	02/10/10 12:48
S-SO-56394-DR-011310-1011	1002004-09	0B10018-035	02/10/10 12:52
S-SO-56394-DR-011310-1011	1002004-09	0B10018-035	02/10/10 12:52
S-SO-56394-DR-011310-1011	1002004-09	0B10018-035	02/10/10 12:52
S-SO-56394-DR-011310-1011	1002004-09	0B10018-035	02/10/10 12:52
S-SO-56394-DR-011310-1011	1002004-09	0B10018-035	02/10/10 12:52
S-SO-56394-CB-011310-028	1002004-10	0B10018-036	02/10/10 12:56
S-SO-56394-CB-011310-028	1002004-10	0B10018-036	02/10/10 12:56
S-SO-56394-CB-011310-028	1002004-10	0B10018-036	02/10/10 12:56
S-SO-56394-CB-011310-028	1002004-10	0B10018-036	02/10/10 12:56
S-SO-56394-CB-011310-028	1002004-10	0B10018-036	02/10/10 12:56
Calibration Check	0B10018-CCV4	0B10018-037	02/10/10 13:00
Calibration Blank	0B10018-CCB4	0B10018-038	02/10/10 13:04
S-SO-56394-CB-011410-040	1002004-11	0B10018-039	02/10/10 13:08
S-SO-56394-CB-011410-040	1002004-11	0B10018-039	02/10/10 13:08
S-SO-56394-CB-011410-040	1002004-11	0B10018-039	02/10/10 13:08
S-SO-56394-CB-011410-040	1002004-11	0B10018-039	02/10/10 13:08
S-SO-56394-CB-011410-040	1002004-11	0B10018-039	02/10/10 13:08
S-SO-56394-CB-011310-026	1002004-12	0B10018-040	02/10/10 13:12
S-SO-56394-CB-011310-026	1002004-12	0B10018-040	02/10/10 13:12
S-SO-56394-CB-011310-026	1002004-12	0B10018-040	02/10/10 13:12
S-SO-56394-CB-011310-026	1002004-12	0B10018-040	02/10/10 13:12
S-SO-56394-CB-011310-026	1002004-12	0B10018-040	02/10/10 13:12
Calibration Check	0B10018-CCV5	0B10018-049	02/10/10 13:48
Calibration Blank	0B10018-CCB5	0B10018-050	02/10/10 13:52

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B10018
Instrument ID: 311
Control Limt: +/- 10.00%
Calibration: 0B10008

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B10018-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
	Manganese	500	491	98	ug/L	02/10/10 10:51
	Nickel	500	498	100	ug/L	02/10/10 10:51
0B10018-CCV2	Aluminum	2500	2490	100	ug/L	02/10/10 11:27
	Barium	500	496	99	ug/L	02/10/10 11:27
	Iron	500	499	100	ug/L	02/10/10 11:27
	Manganese	500	502	100	ug/L	02/10/10 11:27
	Nickel	500	503	101	ug/L	02/10/10 11:27
0B10018-CCV3	Aluminum	2500	2500	100	ug/L	02/10/10 12:13
	Barium	500	503	101	ug/L	02/10/10 12:13
	Iron	500	494	99	ug/L	02/10/10 12:13
	Manganese	500	509	102	ug/L	02/10/10 12:13
	Nickel	500	507	101	ug/L	02/10/10 12:13
0B10018-CCV4	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
	Manganese	500	510	102	ug/L	02/10/10 13:00
	Nickel	500	512	102	ug/L	02/10/10 13:00
0B10018-CCV5	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
	Manganese	500	504	101	ug/L	02/10/10 13:48
	Nickel	500	504	101	ug/L	02/10/10 13:48

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B10018
Instrument: 311
Laboratory ID: 0B10018-SCV1
Calibration: 0B10008

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
Manganese	500	491	98	90-110	ug/L
Nickel	500	498	100	90-110	ug/L

* Values outside of QC limits

CRDL STANDARD

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B10018

SDG: PM011110B

Project: Plainwell Mill

Instrument ID: 311

Calibration: 0B10008

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B10018-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
	Manganese	20.0	18.7	94	ug/L	50 - 150
	Nickel	20.0	17.9	90	ug/L	50 - 150

* Values outside of QC limits

00053

BLANKS
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B10018

SDG: PM011110B
Project: Plainwell Mill
Instrument ID: 311
Calibration: 0B10008

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B10018-CCB1	Aluminum	-12	100	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
	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
0B10018-CCB2	Aluminum	-11	100	23	ug/L	U	02/10/10 11:31
	Barium	1.1	10	3.6	ug/L	U	02/10/10 11:31
	Iron	3.3	20	4.2	ug/L	U	02/10/10 11:31
	Manganese	-3.0	20	3.1	ug/L	U	02/10/10 11:31
	Nickel	-2.0	10	6.4	ug/L	U	02/10/10 11:31
0B10018-CCB3	Aluminum	-10	100	23	ug/L	U	02/10/10 12:17
	Barium	1.1	10	3.6	ug/L	U	02/10/10 12:17
	Iron	1.5	20	4.2	ug/L	U	02/10/10 12:17
	Manganese	-3.2	20	3.1	ug/L	J	02/10/10 12:17
	Nickel	-3.1	10	6.4	ug/L	U	02/10/10 12:17
0B10018-CCB4	Aluminum	-8.4	100	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
	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
0B10018-CCB5	Aluminum	-13	100	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
	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

* Values outside of QC limits

00054

ICP INTERFERENCE CHECK SAMPLE

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B10018

SDG: PM011110B

Project: Plainwell Mill

Instrument ID: 311

Calibration: 0B10008

Lab Sample ID	Analyte	True	Found	%R	Units
0B10018-IFA1	Aluminum	100000	99300	99	ug/L
	Barium	0.00	1.31		ug/L
	Iron	40000	39100	98	ug/L
	Manganese	0.00	0.258		ug/L
	Nickel	0.00	-2.16		ug/L
0B10018-IFA2	Aluminum	0.00	65.0		ug/L
	Barium	0.00	1.07		ug/L
	Iron	0.00	-4.03		ug/L
	Manganese	20000	20000	100	ug/L
	Nickel	20000	20600	103	ug/L
0B10018-IFB1	Aluminum	100000	100000	100	ug/L
	Barium	500	446	89	ug/L
	Iron	40000	39200	98	ug/L
	Manganese	500	506	101	ug/L
	Nickel	1000	979	98	ug/L
0B10018-IFB2	Aluminum	1000	1040	104	ug/L
	Manganese	20000	19500	97	ug/L
	Nickel	20000	20100	101	ug/L

* Values outside of QC limits

20055

QC BATCH SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011110B

Client: SulTRAC Project: Plainwell Mill

QC Batch: 1000900 QC Batch Matrix: Soil Preparation: 3010A SPLP Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000900-BLK1	02/09/10 07:00	
LCS	1000900-BS1	02/09/10 07:00	
S-SO-56394-CB-011110-003	1000900-MS1	02/09/10 07:00	
S-SO-56394-CB-011410-041	1000900-MS2	02/09/10 07:00	
S-SO-56394-CB-011110-003	1000900-MSD1	02/09/10 07:00	
S-SO-56394-CB-011410-041	1000900-MSD2	02/09/10 07:00	
S-SO-56394-CB-011110-003	1000900-PS1	02/10/10 10:00	
S-SO-56394-CB-011410-041	1000900-PS2	02/10/10 10:00	
S-SO-56394-CB-011110-003	1002004-01	02/09/10 07:00	
S-SS-56394-EV-011210-011	1002004-02	02/09/10 07:00	
S-SO-56394-CB-011210-015	1002004-03	02/09/10 07:00	
S-SS-56394-EV-011310-021	1002004-04	02/09/10 07:00	
S-SO-56394-CB-011410-033	1002004-05	02/09/10 07:00	
SD-SO-56394-CB-011410-033	1002004-06	02/09/10 07:00	
S-SO-56394-CB-011410-046	1002004-07	02/09/10 07:00	
S-SO-56394-CB-011410-041	1002004-08	02/09/10 07:00	
S-SO-56394-DR-011310-1011	1002004-09	02/09/10 07:00	
S-SO-56394-CB-011310-028	1002004-10	02/09/10 07:00	
S-SO-56394-CB-011410-040	1002004-11	02/09/10 07:00	
S-SO-56394-CB-011310-026	1002004-12	02/09/10 07:00	

20056

METHOD BLANK DATA SHEET
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000900-BLK1
File ID: 0B10018-015
Prepared: 02/09/10 07:00
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 25 mL
Analyzed: 02/10/10 11:35
Instrument: 311
QC Batch: 1000900
Sequence: 0B10018
Calibration: 0B10008

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7429-90-5	Aluminum, SPLP	0.023	0.10	0.10	mg/L	U
7440-39-3	Barium, SPLP	0.0036	0.010	0.010	mg/L	U
7439-89-6	Iron, SPLP	0.0042	0.020	0.0071	mg/L	J
7439-96-5	Manganese, SPLP	0.0031	0.020	0.020	mg/L	U
7440-02-0	Nickel, SPLP	0.0064	0.010	0.010	mg/L	U

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011110-003

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 25 mL

Laboratory ID: 1000900-MS1

QC Batch: 1000900

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Aluminum, SPLP	1.25	0.959	2.23	101	75 - 125	mg/L
Barium, SPLP	0.250	0.0248	0.266	96	75 - 125	mg/L
Iron, SPLP	0.250	1.34	1.47	50 *	75 - 125	mg/L
Manganese, SPLP	0.250	0.0695	0.308	95	75 - 125	mg/L
Nickel, SPLP	0.250	ND	0.248	99	75 - 125	mg/L

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

* Values outside of QC limits

20058

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011110-003

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 25 mL

Laboratory ID: 1000900-MSD1

QC Batch: 1000900

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Aluminum, SPLP	1.25	2.21	100	0.9	20	75 - 125	mg/L
Barium, SPLP	0.250	0.262	95	1	20	75 - 125	mg/L
Iron, SPLP	0.250	1.43	36 *	2	20	75 - 125	mg/L
Manganese, SPLP	0.250	0.301	92	2	20	75 - 125	mg/L
Nickel, SPLP	0.250	0.245	98	2	20	75 - 125	mg/L

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

* Values outside of QC limits

00059

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011410-041

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 25 mL

Laboratory ID: 1000900-MS2

QC Batch: 1000900

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Aluminum, SPLP	1.25	0.882	2.13	100	75 - 125	mg/L
Barium, SPLP	0.250	0.0196	0.250	92	75 - 125	mg/L
Iron, SPLP	0.250	0.755	0.937	73 *	75 - 125	mg/L
Manganese, SPLP	0.250	0.0279	0.255	91	75 - 125	mg/L
Nickel, SPLP	0.250	ND	0.234	93	75 - 125	mg/L

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

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011410-041

USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 25 mL

Laboratory ID: 1000900-MSD2

QC Batch: 1000900

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Aluminum, SPLP	1.25	2.01	90	6	20	75 - 125	mg/L
Barium, SPLP	0.250	0.244	90	2	20	75 - 125	mg/L
Iron, SPLP	0.250	0.899	58 *	4	20	75 - 125	mg/L
Manganese, SPLP	0.250	0.250	89	2	20	75 - 125	mg/L
Nickel, SPLP	0.250	0.231	92	1	20	75 - 125	mg/L

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

* Values outside of QC limits

00051

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010B

S-SO-56394-CB-011110-003

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids:
Laboratory ID: 1000900-PS1
Lab Source ID: 1002004-01

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 4 mL / 4 mL
QC Batch: 1000900
Sequence: 0B10018

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Aluminum, SPLP	80 - 120	2090	959	1250	91	ug/L
Barium, SPLP	80 - 120	253	24.8	250	91	ug/L
Iron, SPLP	80 - 120	1550	1340	250	82	ug/L
Manganese, SPLP	80 - 120	305	69.5	250	94	ug/L
Nickel, SPLP	80 - 120	235	2.17	250	93	ug/L

* Values outside of QC limits

00062

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010B

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids:
Laboratory ID: 1000900-PS2
Lab Source ID: 1002004-08

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 4 mL / 4 mL
QC Batch: 1000900
Sequence: 0B10018

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Aluminum, SPLP	80 - 120	2100	882	1250	97	ug/L
Barium, SPLP	80 - 120	257	19.6	250	95	ug/L
Iron, SPLP	80 - 120	984	755	250	92	ug/L
Manganese, SPLP	80 - 120	272	27.9	250	98	ug/L
Nickel, SPLP	80 - 120	244	-0.357	250	98	ug/L

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY
USEPA-6010B

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

Laboratory ID: 1000900-BS1

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 25 mL
QC Batch: 1000900
Sequence: 0B10018

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Aluminum, SPLP	1.25	1.18	94	80 - 120	mg/L
Barium, SPLP	0.250	0.238	95	80 - 120	mg/L
Iron, SPLP	0.250	0.240	96	80 - 120	mg/L
Manganese, SPLP	0.250	0.238	95	80 - 120	mg/L
Nickel, SPLP	0.250	0.238	95	80 - 120	mg/L

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

* Values outside of QC limits

00064

SERIAL DILUTION
USEPA-6010B

S-SO-56394-CB-011110-003

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids:
Laboratory ID: 0B10018-SRD1
QC Batch: 0B10018
Lab Source ID: 1002004-01
Sequence: 0B10018

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Aluminum, SPLP	959		906		6.0 #		ug/L	10
Barium, SPLP	24.8		28.9	J	17.0 #		ug/L	10
Iron, SPLP	1,340		1,350		1.0		ug/L	10
Manganese, SPLP	69.5		58.3	J	16.0 #		ug/L	10
Nickel, SPLP	2.17	U	-7.92	U	465.0 #		ug/L	10

* Values outside of QC limits

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

SERIAL DILUTION

USEPA-6010B

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110B

Client: SulTRAC

Project: Plainwell Mill

Matrix: Soil

% Solids:

Laboratory ID: 0B10018-SRD2

QC Batch: 0B10018

Lab Source ID: 1002004-08

Sequence: 0B10018

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Aluminum, SPLP	882		803		9.0 #		ug/L	10
Barium, SPLP	19.6		23.6	J	20.0 #		ug/L	10
Iron, SPLP	755		747		1.0		ug/L	10
Manganese, SPLP	27.9		14.4	U	48.0 #		ug/L	10
Nickel, SPLP	-0.357	U	-9.94	U	2684.0 #		ug/L	10

* Values outside of QC limits

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

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110B

Client: SulTRAC

Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-011110-003	01/11/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011110-003	01/11/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011110-003	01/11/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011110-003	01/11/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011110-003	01/11/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SS-56394-EV-011210-011	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SS-56394-EV-011210-011	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SS-56394-EV-011210-011	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SS-56394-EV-011210-011	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SS-56394-EV-011210-011	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011210-015	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011210-015	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011210-015	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011210-015	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011210-015	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	

00067

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110B

Client: SulTRAC

Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	

00068

HOLDING TIME SUMMARY
USEPA-6010B

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110B

Client: SulTRAC

Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-DR-011310-1011	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/10/10	8	180	

00069

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

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110B

Client: SulTRAC

Project: Plainwell Mill

ICP-AES Instrument ID: 311

Date: 12-14-09

Time: 12:55 PM

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

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

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110B

Client: SulTRAC

Project: Plainwell Mill

ICP-AES Instrument ID: 311

Date: 12-14-09

Time: 12:55PM

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

ICP-AES LINEAR RANGES
USEPA-6010B/200.7

Laboratory: TriMatrix SDG: PM011110B

Client: SulTRAC Project: Plainwell Mill

ICP-AES Instrument ID: 311

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

Comments:

TriMatrix Laboratories, Inc. SPLP Extraction Worksheet

Client	SulTRAC	SulTRAC	SulTRAC	SulTRAC
Sample Number	1002004-01	1002004-02	1002004-03	1002004-04
1.0 Sample Description (Liquid, solid, multi-phasic)	solid	solid	solid	solid

% Solids Determination

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

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

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

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

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

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

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

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

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

Fluid Determination

3.1 Analyst / Date	MAS 12/8/10	MAS 12/8/10	MAS 12/8/10	MAS 12/8/10
3.2 Particle Size Reduction (Y/N). If No, explain in Narrative, Section 7	Y (N)	Y (N)	Y (N)	Y (N)

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

- 3.3.1 - for samples taken east of the Mississippi River and for wastes/wastewaters, use SPLP fluid #1.
- 3.3.2 - for samples taken west of the Mississippi River, use SPLP fluid #2.
- 3.3.3 - for samples containing cyanide and for volatiles, use SPLP fluid #3.
- 3.3.4 - or check for a client specific fluid request.

3.4 Record Extraction Fluid Type (1, 2 or 3)	(1) 2 3	(1) 2 3	(1) 2 3	(1) 2 3
3.5	#1&5	#1&5	#1&5	#1&5
3.6 Date Calibrated	2/8/10	2/8/10	2/8/10	2/8/10

TriMatrix Laboratories, Inc. SPLP Extraction Worksheet

	Sample Number	1002004-01	1002004-02	1002004-03	1002004-04
Sample Size For SPLP Set-up					
4.1	For 100% solid sample, weight used (100 g minimum)	100.0 g	100.0 g	86.0 g	100.0 g
4.2	If % solids were >0.5% and <100%, then record:				
4.2.1	Adjusted amount of sample to yield 100g (from Section 2.)	g	g	g	g
4.2.2	Actual weight of sample (sample - weight of filter papers)	g	g	g	g
4.2.3	Total Amount of Miscible Filtrate(s) (from Section 2.6.)	mL	mL	mL	mL
4.3	For 100% liquid sample, record filtrate volumes for all lab areas in Section 6.3.4	ml	ml	ml	ml
4.4	Particle Size Reduction (Y/N).	Y (N)	Y (N)	Y (N)	Y (N)
Amount of Extraction Fluid (added by weight) For SPLP Set-up.					
5.1	Extraction Fluid (1, 2 or 3) and Batch I.D.	EF1 145	EF1 145	EF1 145	EF1 145
5.2	pH of Extraction Fluid	pH 4.24	pH 4.24	pH 4.24	pH 4.24
5.3	20 x Actual solid weight (from Section 4.1 or 4.2.2).	2000.0 g	2000.0 g	1720.0 g	2000.0 g
SPLP Extraction Record					
6.1	Analyst @ set-up/ Date (MM-DD-YY)	MAS 12/8/10	MAS 12/8/10	MAS 12/8/10	MAS 12/8/10
6.1.1	Initial Temperature @ set-up (23+/- 2 C)	23 C	23 C	23 C	23 C
6.1.2	Tumbler I.D. / RPM (30+/-2 RPM)	#4 @ 32	#4 @ 32	#4 @ 32	#4 @ 32
6.2	Tumbling Times				
6.2.1	Time started	2:20pm	2:20pm	2:20pm	2:20pm
6.2.2	Time completed	6:30AM	6:30AM	6:30AM	6:30AM
6.3	Analyst @ completion/ Date (MM-DD-YY)	MAS 12-09-10	MAS 12-09-10	MAS 12-09-10	MAS 12-09-10
6.3.1	Final Temperature @ completion (23+/-2 C)	21 23 C	21 23 C	21 23C	21 23 C
6.3.2	Initial miscible phase added back to filtered leachate(Y/N). If N, explain in section 7.0.	Y (N)	Y (N) 07/EP1	Y (N)	Y (N)
6.3.3	Final pH of leachate (Not preserved)	7.80	6.28	7.67	6.01
6.3.3.1	pH meter I.D.	#185	#185	#185	#185
6.3.3.2		MAS 12-09-10	MAS 12-09-10	MAS 12-09-10	MAS 12-09-10
6.3.4	Final Volume of Leachate Collected (mL)	2000.0 mL	2000.0 mL	1720.0 mL	2000.0 mL
6.3.4.1	Metals Lab (normal aliquot =1L ; min aliquot =200 mL)	500.0 mL	500.0 mL	500.0 mL	500.0 mL
6.3.4.2	Prep Lab (normal aliquot=500 mL to 1L ; min aliquot = 500mL)	mL	mL	mL	mL
6.3.4.3	Inorganic Lab (Check with Supervisor for aliquot amount)	mL	mL	mL	mL
6.3.5	Volume of non-miscible phase collected (see Section 2.6)	mL	mL	mL	mL
6.3.5.1	Metals Lab (normal aliquot= 20 mL)	mL	mL	mL	mL
6.3.5.2	Prep Lab (normal aliquot = 40 mL)	mL	mL	mL	mL
6.3.5.3	Inorganic Lab (Check with Supervisor for aliquot amount)	mL	mL	mL	mL
6.3.6	Metals Only:				
6.3.6.1	Analyst/ Date	MAS 12-09-10	MAS 12-09-10	MAS 12-09-10	MAS 12-09-10
6.3.6.2	Metals spikes used, please list	spL ICP KPMS 45			
6.3.6.3	Preservation (pH < 2), Record actual pH	pH 1.15	pH 0.76	pH 0.99	pH 1.03

7.0 **Narratives/ Comments:**

TriMatrix Laboratories, Inc. SPLP Extraction Worksheet

Client	SulTRAC	SulTRAC	SulTRAC	SulTRAC
Sample Number	1002004-05	1002004-06	1002004-07	1002004-08
1.0 Sample Description (Liquid, solid, multi-phasic)	Solid	Solid	Solid	Solid

% Solids Determination

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

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

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

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

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

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

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

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

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

Fluid Determination

3.1 Analyst / Date	MAS 12/8/10	MAS 12/8/10	MAS 12/8/10	MAS 12/8/10
3.2 Particle Size Reduction (Y/N). If No, explain in Narrative, Section 7	Y (N)	Y (N)	Y (N)	Y (N)

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

- 3.3.1 - for samples taken east of the Mississippi River and for wastes/wastewaters, use SPLP fluid #1.
- 3.3.2 - for samples taken west of the Mississippi River, use SPLP fluid #2.
- 3.3.3 - for samples containing cyanide and for volatiles, use SPLP fluid #3.
- 3.3.4 - or check for a client specific fluid request.

3.4 Record Extraction Fluid Type (1, 2 or 3)	(1) 2 3	(1) 2 3	(1) 2 3	(1) 2 3
3.5	#1&S	#1&S	#1&S	#1&S
3.6 Date Calibrated	2/8/10	2/8/10	2/8/10	2/8/10

TriMatrix Laboratories, Inc.

SPLP Extraction Worksheet

	Sample Number	1002004-05	1002004-06	1002004-07	1002004-08
Sample Size For SPLP Set-up					
4.1	For 100% solid sample, weight used (100 g minimum)	100.0 g	100.0 g	100.0 g	100.0 g
4.2	If % solids were >0.5% and <100%, then record:				
4.2.1	Adjusted amount of sample to yield 100g (from Section 2.)	g	g	g	g
4.2.2	Actual weight of sample (sample - weight of filter papers)	g	g	g	g
4.2.3	Total Amount of Miscible Filtrate(s) (from Section 2.6.)	mL	mL	mL	mL
4.3	For 100% liquid sample, record filtrate volumes for all lab areas in Section 6.3.4	ml	ml	ml	ml
4.4	Particle Size Reduction (Y/N)	Y (N)	Y (N)	Y (N)	Y (N)
Amount of Extraction Fluid (added by weight) For SPLP Set-up.					
5.1	Extraction Fluid (1, 2 or 3) and Batch I.D.	EF 1 145	EF 1 145	EF 1 145	EF 1 145
5.2	pH of Extraction Fluid	pH 4.24	pH 4.24	pH 4.24	pH 4.24
5.3	20 x Actual solid weight (from Section 4.1 or 4.2.2)	2000.0 g	2000.0 g	2000.0 g	2000.0 g
SPLP Extraction Record					
6.1	Analyst @ set-up/ Date (MM-DD-YY)	MAS 12/8/10	MAS 12/8/10	MAS 12/8/10	MAS 12/8/10
6.1.1	Initial Temperature @ set-up (23+/- 2 C)	23 C	23 C	23 C	23 C
6.1.2	Tumbler I.D. / RPM (30+/-2 RPM)	#4 @ 32	#4 @ 32	#2 @ 32	#2 @ 32
6.2	Tumbling Times				
6.2.1	Time started	2:20pm	2:20pm	2:20pm	2:20pm
6.2.2	Time completed	6:30 AM	6:30 AM	6:30AM	6:30 AM
6.3	Analyst @ completion/ Date (MM-DD-YY)	MAS 12-09-10	MAS 12-09-10	MAS 12-09-10	MAS 12-09-10
6.3.1	Final Temperature @ completion (23+/-2 C)	21 23 C	21 23 C	21 23 C	21 23 C
6.3.2	Initial miscible phase added back to filtered leachate(Y/N). If N, explain in section 7.0	Y (N)	Y (N)	Y (N)	Y (N)
6.3.3	Final pH of leachate (Not preserved)	7.50	7.51	9.37	8.74
6.3.3.1	pH meter I.D.	#185	#185	#185	#185
6.3.3.2		MAS 12-09-10	MAS 12-09-10	MAS 12-09-10	MAS 12-09-10
6.3.4	Final Volume of Leachate Collected (mL)	2000.0 mL	2000.0 mL	2000.0 mL	2000.0 mL
6.3.4.1	Metals Lab (normal aliquot =1L ; min aliquot =200 mL)	500.0 mL	500.0 mL	500.0 mL	500.0 mL
6.3.4.2	Prep Lab (normal aliquot=500 mL to 1L ; min aliquot = 500mL)	mL	mL	mL	mL
6.3.4.3	Inorganic Lab (Check with Supervisor for aliquot amount)	mL	mL	mL	mL
6.3.5	Volume of non-miscible phase collected (see Section 2.6)	mL	mL	mL	mL
6.3.5.1	Metals Lab (normal aliquot= 20 mL)	mL	mL	mL	mL
6.3.5.2	Prep Lab (normal aliquot = 40 mL)	mL	mL	mL	mL
6.3.5.3	Inorganic Lab (Check with Supervisor for aliquot amount)	mL	mL	mL	mL
6.3.6	Metals Only:				
6.3.6.1	Analyst/ Date	MAS 12-09-10	MAS 12-09-10	MAS 12-09-10	MAS 12-09-10
6.3.6.2	Metals spikes used, please list				spk ICP icpins Hg
6.3.6.3	Preservation (pH < 2), Record actual pH	pH 0.71	pH 1.17	pH 1.05	pH 1.35

7.0 Narratives/ Comments:

TriMatrix Laboratories, Inc. SPLP Extraction Worksheet

Client	SulTRAC	SulTRAC	SulTRAC	SulTRAC
Sample Number	1002004-09	1002004-10	1002004-11	1002004-12
1.0 Sample Description (Liquid, solid, multi-phasic)	solid	solid	solid	solid

% Solids Determination

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

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

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

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

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

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

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

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

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

Fluid Determination

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

TriMatrix Laboratories, Inc.

SPLP Extraction Worksheet

	Sample Number	1002004-09	1002004-10	1002004-11	1002004-12
Sample Size For SPLP Set-up					
4.1	For 100% solid sample, weight used (100 g minimum)	100.0 g	100.0 g	100.0 g	100.0 g
4.2	If % solids were >0.5% and <100%, then record:				
4.2.1	Adjusted amount of sample to yield 100g (from Section 2.)	g	g	g	g
4.2.2	Actual weight of sample (sample - weight of filter papers)	g	g	g	g
4.2.3	Total Amount of Miscible Filtrate(s) (from Section 2.6.)	mL	mL	mL	mL
4.3	For 100% liquid sample, record filtrate volumes for all lab areas in Section 6.3.4	ml	ml	ml	ml
4.4	Particle Size Reduction (Y/N)	Y (N)	Y (N)	Y (N)	Y (N)
Amount of Extraction Fluid (added by weight) For SPLP Set-up.					
5.1	Extraction Fluid (1, 2 or 3) and Batch I.D.	EF 1 145	EF 1 145	EF 1 145	EF 1 145
5.2	pH of Extraction Fluid	pH 4.24	pH 4.24	pH 4.24	pH 4.24
5.3	20 x Actual solid weight (from Section 4.1 or 4.2.2)	2000.0 g	2000.0 g	2000.0 g	2000.0 g
SPLP Extraction Record					
6.1	Analyst @ set-up/ Date (MM-DD-YY)	MAS 12/8/10	MAS 12/8/10	MAS 12/8/10	MAS 12/8/10
6.1.1	Initial Temperature @ set-up (23+/- 2 C)	23 C	23 C	23 C	23 C
6.1.2	Tumbler I.D. / RPM (30+/-2 RPM)	#2 @ 32	#2 @ 32	#2 @ 32	#2 @ 32
6.2	Tumbling Times				
6.2.1	Time started	2:20pm	2:20pm	2:20pm	2:20pm
6.2.2	Time completed	6:30AM	6:30AM	6:30 AM	6:30 AM
6.3	Analyst @ completion/ Date (MM-DD-YY)	MAS 12-09-10	MAS 12-09-10	MAS 12-09-10	MAS 12-09-10
6.3.1	Final Temperature @ completion (23+/-2 C)	21 23 C	21 23 C	21 23 C	21 23 C
6.3.2	Initial miscible phase added back to filtered leachate(Y/N). If N, explain in section 7.0	Y (N)	Y (N)	Y (N)	Y (N)
6.3.3	Final pH of leachate (Not preserved)	6.55	6.52	8.95	8.87
6.3.3.1	pH meter I.D.	#185	#185	#185	#185
6.3.3.2		MAS 12-09-10	MAS 12-09-10	MAS 12-09-10	MAS 12-09-10
6.3.4	Final Volume of Leachate Collected (mL)	2000.0 mL	2000.0 mL	2000.0 mL	2000.0 mL
6.3.4.1	Metals Lab (normal aliquot =1L ; min aliquot =200 mL)	500.0 mL	500.0 mL	500.0 mL	500.0 mL
6.3.4.2	Prep Lab (normal aliquot=500 mL to 1L ; min aliquot = 500mL)	mL	mL	mL	mL
6.3.4.3	Inorganic Lab (Check with Supervisor for aliquot amount)	mL	mL	mL	mL
6.3.5	Volume of non-miscible phase collected (see Section 2.6)	mL	mL	mL	mL
6.3.5.1	Metals Lab (normal aliquot= 20 mL)	mL	mL	mL	mL
6.3.5.2	Prep Lab (normal aliquot = 40 mL)	mL	mL	mL	mL
6.3.5.3	Inorganic Lab (Check with Supervisor for aliquot amount)	mL	mL	mL	mL
6.3.6	Metals Only:				
6.3.6.1	Analyst/ Date	MAS 12-09-10	MAS 12-09-10	MAS 12-09-10	MAS 12-09-10
6.3.6.2	Metals spikes used, please list				
6.3.6.3	Preservation (pH < 2), Record actual pH	pH 1.15	pH 1.02	pH 1.17	pH 1.23

7.0 **Narratives/ Comments:**

TriMatrix Laboratories, Inc. SPLP Extraction Worksheet

Client	T/F 145	Saltrac	Saltrac	Saltrac
Sample Number	Soil F	1002144-01	1002144-02	1002144-03
1.0 Sample Description (Liquid, solid, multi-phasic)		Soil	Soil	Soil

% Solids Determination

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

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

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

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

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

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

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

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

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

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

Fluid Determination

3.1 Analyst / Date	MAS 12/8/10	MAS 10-15-10	MAS 10-15-10	MAS 10-15-10
3.2 Particle Size Reduction (Y/N). If No, explain in Narrative, Section 7	Y (N)	Y (N)	Y (N)	Y (N)

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

- 3.3.1 - for samples taken east of the Mississippi River and for wastes/wastewaters, use SPLP fluid #1.
- 3.3.2 - for samples taken west of the Mississippi River, use SPLP fluid #2.
- 3.3.3 - for samples containing cyanide and for volatiles, use SPLP fluid #3.
- 3.3.4 - or check for a client specific fluid request.

3.4 Record Extraction Fluid Type (1, 2 or 3)	(1) 2 3	(1) 2 3	(1) 2 3	(1) 2 3
3.5	#1	#1	#1	#1
3.6 Date Calibrated	2/8/10	02-15-10	02-15-10	02-15-10

TriMatrix Laboratories, Inc.

SPLP Extraction Worksheet

	Sample Number	FF 145	1002144-01	1002144-02	1002144-03
Sample Size For SPLP Set-up		200 2/8/10			
4.1	For 100% solid sample, weight used (100 g minimum)	~~200~~ — g	100.0 g	100.0 g	100 g
4.2	If % solids were >0.5% and <100%, then record:				
4.2.1	Adjusted amount of sample to yield 100g (from Section 2.)	g	g	g	g
4.2.2	Actual weight of sample (sample - weight of filter papers)	g	g	g	g
4.2.3	Total Amount of Miscible Filtrate(s) (from Section 2.6.)	mL	mL	mL	mL
4.3	For 100% liquid sample, record filtrate volumes for all lab areas in Section 6.3.4	ml	ml	ml	ml
4.4	Particle Size Reduction (Y/N)	Y (N)	Y (N)	Y (N)	Y (N)
Amount of Extraction Fluid (added by weight) For SPLP Set-up.					
5.1	Extraction Fluid (1, 2 or 3) and Batch I.D.	EF 1 145	EF SPLP I 146	EF I 146	EF I 146
5.2	pH of Extraction Fluid	pH 4.24	pH 4.15	pH 4.15	pH 4.15
5.3	20 x Actual solid weight (from Section 4.1 or 4.2.2)	2000.0 g	2000.0 g	2000.0 g	2000.0 g
SPLP Extraction Record					
6.1	Analyst @ set-up/ Date (MM-DD-YY)	MAS 12/8/10	MAS 12/15/10	MAS 12/15/10	MAS 12/15/10
6.1.1	Initial Temperature @ set-up (23+/- 2 C)	22 C	23 C	23 C	23 C
6.1.2	Tumbler I.D. / RPM (30+/-2 RPM)	#3 @ 32	#1 @ 32	#1 @ 32	#1 @ 32
6.2	Tumbling Times				
6.2.1	Time started	1:30pm	1:50pm	1:50pm	1:50pm
6.2.2	Time completed	6:30 Am	6:00 Am	6:00 Am	6:00 Am
6.3	Analyst @ completion/ Date (MM-DD-YY)	MAS 12/9/10	MAS 12/16/10	MAS 12/16/10	MAS 12/16/10
6.3.1	Final Temperature @ completion (23+/-2 C)	21 23 C	23 25 C	23 25 C	23 25 C
6.3.2	Initial miscible phase added back to filtered leachate(Y/N). If N, explain in section 7.0	Y (N)	Y (N)	Y (N)	Y (N)
6.3.3	Final pH of leachate (Not preserved)	4.22	5.25	5.13	5.03
6.3.3.1	pH meter I.D.	#18.5	#185	#18.5	#185
6.3.3.2		RMS 12/8/10	RMS 12/16/10	RMS 12/16/10	RMS 12/16/10
6.3.4	Final Volume of Leachate Collected (mL)	2000.0 mL	2000.0 mL	2000.0 mL	2000.0 mL
6.3.4.1	Metals Lab (normal aliquot =1L ; min aliquot =200 mL)	500.0 mL	500.0 mL	500.0 mL	500.0 mL
6.3.4.2	Prep Lab (normal aliquot=500 mL to 1L ; min aliquot = 500mL)	mL	mL	mL	mL
6.3.4.3	Inorganic Lab (Check with Supervisor for aliquot amount)	mL	mL	mL	mL
6.3.5	Volume of non-miscible phase collected (see Section 2.6)	mL	mL	mL	mL
6.3.5.1	Metals Lab (normal aliquot= 20 mL)	mL	mL	mL	mL
6.3.5.2	Prep Lab (normal aliquot = 40 mL)	mL	mL	mL	mL
6.3.5.3	Inorganic Lab (Check with Supervisor for aliquot amount)	mL	mL	mL	mL
6.3.6	Metals Only:				
6.3.6.1	Analyst/ Date	RMS 12/9/10	RMS 12/16/10	RMS 12/16/10	RMS 12/16/10
6.3.6.2	Metals spikes used, please list				
6.3.6.3	Preservation (pH < 2), Record actual pH	pH —	pH 0.74	pH 0.68	pH 0.91

7.0 **Narratives/ Comments:**

Metals, Soil, SPLP Metals

Batch comments:
MAS 02/02/10 1:30PM
TUMBLERS 2,3,4
@32RPM
SPLP I 143
22C

1000897

Lab Number	Container	Prepared	By	Initial (g)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Client Comments
1002004-01	A	Feb-02-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002004-02	A	Feb-02-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002004-03	A	Feb-02-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002004-04	A	Feb-02-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002004-05	A	Feb-02-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002004-06	A	Feb-02-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002004-07	A	Feb-02-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002004-08	C	Feb-02-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002004-09	A	Feb-02-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002004-10	A	Feb-02-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									
1002004-11	A	Feb-02-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									

Comments:

Analyst Initials:

Metals, Soil, SPLP Metals

Batch comments:

MAS 02/02/10 1:30PM
TUMBLERS 2,3,4
@32RPM
SPLP I 143
22C

				Initial	Final	..... Client			
Lab Number	*Container*	*Prepared*	*By*	*(g)*	*(mL)*	*Source ID*	*Spike ID*	*uL Spike*	*Comments*
1002004-12	A	Feb-02-10 13:30	MAS	100	2000	SulTRAC			
SPLP Metals Extraction									

Comments:	Analyst Initials:

Metals, Soil, 3010A SPLP Digestion

Batch comments:

MAS 02/09/10 7:00AM-4:00PM
INST#217@93.2C#223
HOTBLOCK VESEL LOT#A905LS269

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client: Source ID	Client: Spike ID	Client: uL Spike	Comments
1000900-BLK1		Feb-09-10 07:00	MAS	25	25				
1000900-BS1		Feb-09-10 07:00	MAS	25	25		9100970	125	
1000900-MS1		Feb-09-10 07:00	MAS	25	25	1002004-01	9100970	125	
1000900-MS2		Feb-09-10 07:00	MAS	25	25	1002004-08	9100970	125	
1000900-MSD1		Feb-09-10 07:00	MAS	25	25	1002004-01	9100970	125	
1000900-MSD2		Feb-09-10 07:00	MAS	25	25	1002004-08	9100970	125	
1000900-PS1		Feb-10-10 10:00	JMF	4	4	1002004-01	9050565	20	
1000900-PS2		Feb-10-10 10:00	JMF	4	4	1002004-08	9050565	20	
1002004-01	A 01	Feb-09-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002004-02	A 01	Feb-09-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002004-03	A 01	Feb-09-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002004-04	A 01	Feb-09-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002004-05	A 01	Feb-09-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002004-06	A 01	Feb-09-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002004-07	A 01	Feb-09-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002004-08	C 01	Feb-09-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					

Comments:

Analyst Initials:

Metals, Soil, 3010A SPLP Digestion

Batch comments:

MAS 02/09/10 7:00AM-4:00PM
INST#217@93.2C#223
HOTBLOCK VESEL LOT#A905LS269

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1002004-09	A 01	Feb-09-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002004-10	A 01	Feb-09-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002004-11	A 01	Feb-09-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					
1002004-12	A 01	Feb-09-10 07:00	MAS	25	25	SulTRAC			
Al SPLP 6010B	*Ba SPLP 6010B*	*Fe SPLP 6010B*	*Mn SPLP 6010B*	*Ni SPLP 6010B*					

Comments:	Analyst Initials:

DJe 2/11

ORP 2-10

WTK - 0B10038
CAN 0B10010

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence

Calib. 0B10008

Instrument #: 3 11
Date: 2/10/10
Analyst: DJ

Data File: 0B10018
Calibration BLK/ICB/CCB: 5%HNO3/1109060/5%HCL/4109080
Internal Standard #: 5010676

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			Analysis # / Position #	ID	Dilution		
		Initial Volume (mL)	Final Volume (mL)	Dilution Factor			Initial Volume (mL)	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	DUP1				40/56				
7/23	01				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	MS1				49/65				
16/32	MSD1				50/66				
17/33	09				51/67				
18/34	10				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	1002035-01				59/75				
26/42	MS1				60/76				
27/43	MSD1				61/77				
28/44	DUP1				62/78				
29/45	01				63/79				
30/46	1002035-02				64/80				
31/47					65/81				
32/48					66/82				
33/49					67/83				
34/50					68/84				

==========

Analysis Begun

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

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

==========

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

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 **Autosampler Location: 3**
Sample ID: 0B10018-CAL3 **Date Collected: 2/10/2010 10:39:09 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **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
Sample ID: 0B10018-CAL5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 2/10/2010 10:47:01 AM
Data Type: Original
Initial Sample Vol:
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 **Autosampler Location: 9**
Sample ID: 0B10018-SCV **Date Collected: 2/10/2010 10:51:00 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 0B10018-SCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	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.	Calib. Units	Std.Dev.	Sample Conc.	Sample 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.

Sequence No.: 7
Sample ID: 0B10018-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 2/10/2010 10:54:58 AM
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	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	Calib. Conc.	Calib. Units	Std.Dev.	Sample 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	Conc.	Calib. Units	Std.Dev.	Conc.	Sample 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.

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Sequence No.: 9
Sample ID: 0B10018-IFA1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 2/10/2010 11:02:52 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

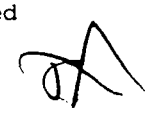
Replicate Data: 0B10018-IFA1

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	Conc.	Calib. Units	Std.Dev.	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
Sample ID: 0B10018-IFA2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 2/10/2010 11:08:51 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0B10018-IFA2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample 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	Conc.	Calib. Units	Std.Dev.	Conc.	Sample 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.	Units	Std.Dev.	Sample Conc.	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	Conc.	Calib. Units	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	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample 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	Conc.	Calib. Units	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.	Conc.	Sample 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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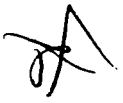
Sequence No.: 15 **Autosampler Location: 17**
Sample ID: 1000900-BLK1 **Date Collected: 2/10/2010 11:35:07 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

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.	Units	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	Conc.	Calib. Units	Conc.	Sample 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	Conc.	Calib. Units	Std.Dev.	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	Conc.	Calib. Units	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	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample 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
Sample ID: 1000900-MS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 20
Date Collected: 2/10/2010 11:46:57 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1000900-MS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample 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.	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	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	Calib. Conc.	Calib. Units	Sample 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	Conc.	Calib. Units	Std.Dev.	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†	967.0	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%

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	Conc.	Calib. Units	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	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample 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 **Autosampler Location: 25**
Sample ID: 1002004-03 **Date Collected: 2/10/2010 12:05:12 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1002004-03

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	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	Calib. Conc.	Calib. Units	Sample 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	Conc.	Calib. Units	Std.Dev.	Conc.	Sample 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 **Autosampler Location: 27**
Sample ID: 1002004-05 **Date Collected: 2/10/2010 12:21:04 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1002004-05

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	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	Conc.	Calib. Units	Std.Dev.	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
Sample ID: 1002004-06
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 28
Date Collected: 2/10/2010 12:25:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1002004-06

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	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	Conc.	Calib. Units	Std.Dev.	Sample Conc.	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	Conc.	Calib. Units	Sample Conc.	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.	Units	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	Calib. Conc.	Calib. Units	Sample 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.	Sample Units	Sample 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	Calib. Conc.	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	Calib. Conc.	Calib. Units	Sample 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	Calib. Conc.	Calib. Units	Std.Dev.	Sample 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%

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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	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.	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%

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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	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	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
Sample ID: 0B10018-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 2/10/2010 1:04:30 PM
Data Type: Original
Initial Sample Vol:
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	Conc.	Calib. Units	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	Calib. Conc.	Calib. Units	Std.Dev.	Sample 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%

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.	Sample Conc.	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.	Sample Conc.	Sample Units	Sample 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	Calib. 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	Conc.	Calib. Units	Std.Dev.	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	Conc.	Calib. Units	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

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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	Conc.	Calib. Units	Std.Dev.	Sample Conc.	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%

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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
Sample ID: 1001064-MS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 42
Date Collected: 2/10/2010 1:28:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1001064-MS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	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	Calib. Conc.	Units	Std.Dev.	Sample Conc.	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	Calib. Conc.	Calib. Units	Std.Dev.	Sample 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	Conc.	Calib. Units	Std.Dev.	Sample Conc.	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	Calib. 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	Conc.	Calib. Units	Std.Dev.	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%

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	Conc.	Calib. Units	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

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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 **Autosampler Location: 4**
Sample ID: 0B10018-CCV **Date Collected: 2/10/2010 1:48:18 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **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 **Autosampler Location: 1**
Sample ID: 0B10018-CCB **Date Collected: 2/10/2010 1:52:17 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	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	Conc.	Calib. Units	Std.Dev.	Conc.	Sample 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%

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   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.
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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: PM011110B

USEPA-6020A

SAMPLE ID SUMMARY

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-SO-56394-CB-011110-003	1002004-01
S-SS-56394-EV-011210-011	1002004-02
S-SO-56394-CB-011210-015	1002004-03
S-SS-56394-EV-011310-021	1002004-04
S-SO-56394-CB-011410-033	1002004-05
SD-SO-56394-CB-011410-033	1002004-06
S-SO-56394-CB-011410-046	1002004-07
S-SO-56394-CB-011410-041	1002004-08
S-SO-56394-DR-011310-1011	1002004-09
S-SO-56394-CB-011310-028	1002004-10
S-SO-56394-CB-011410-040	1002004-11
S-SO-56394-CB-011310-026	1002004-12

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011110-003

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/11/10 15:35
Solids: 0.00
Laboratory ID: 1002004-01

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/09/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1000901

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036		02/22/10 14:56
7440-38-2	Arsenic, SPLP	0.012	mg/L	1	0.0010	0.00038		02/22/10 14:56
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/23/10 08:52
7440-43-9	Cadmium, SPLP	0.00011	mg/L	1	0.00020	0.000055	J	02/22/10 14:56
7440-47-3	Chromium, SPLP	0.0020	mg/L	1	0.0050	0.00046	J	02/09/10 19:14
7440-48-4	Cobalt, SPLP	0.00047	mg/L	1	0.0010	0.000042	J	02/09/10 19:14
7440-50-8	Copper, SPLP	0.0074	mg/L	1	0.0020	0.00071		02/22/10 14:56
7439-92-1	Lead, SPLP	0.0094	mg/L	1	0.0010	0.00022		02/22/10 14:56
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/09/10 19:14
7440-22-4	Silver, SPLP	0.000066	mg/L	1	0.00020	0.000061	J	02/22/10 14:56
7440-28-0	Thallium, SPLP	0.000081	mg/L	1	0.0010	0.000056	J	02/22/10 14:56
7440-62-2	Vanadium, SPLP	0.0043	mg/L	1	0.0010	0.00028		02/22/10 14:56
7440-66-6	Zinc, SPLP	0.016	mg/L	1	0.050	0.0029	J	02/09/10 19:14

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SS-56394-EV-011210-011

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/12/10 11:20
Solids: 0.00
Laboratory ID: 1002004-02

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/09/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1000901

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.00059	mg/L	1	0.0010	0.00036	J	02/22/10 15:19
7440-38-2	Arsenic, SPLP	0.0023	mg/L	1	0.0010	0.00038		02/22/10 15:19
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/23/10 09:02
7440-43-9	Cadmium, SPLP	0.000063	mg/L	1	0.00020	0.000055	J	02/22/10 15:19
7440-47-3	Chromium, SPLP	0.0035	mg/L	1	0.0050	0.00046	J	02/09/10 19:30
7440-48-4	Cobalt, SPLP	0.00097	mg/L	1	0.0010	0.000042	J	02/09/10 19:30
7440-50-8	Copper, SPLP	0.0047	mg/L	1	0.0020	0.00071		02/22/10 15:19
7439-92-1	Lead, SPLP	0.0062	mg/L	1	0.0010	0.00022		02/22/10 15:19
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/22/10 15:19
7440-22-4	Silver, SPLP	0.00013	mg/L	1	0.00020	0.000061	J	02/22/10 15:19
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 15:19
7440-62-2	Vanadium, SPLP	0.0041	mg/L	1	0.0010	0.00028		02/22/10 15:19
7440-66-6	Zinc, SPLP	0.026	mg/L	1	0.050	0.0029	J	02/22/10 15:19

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011210-015

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/12/10 16:00
Solids: 0.00
Laboratory ID: 1002004-03

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/09/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1000901

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.00087	mg/L	1	0.0010	0.00036	J	02/22/10 15:22
7440-38-2	Arsenic, SPLP	0.0013	mg/L	1	0.0010	0.00038		02/22/10 15:22
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/23/10 09:04
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 15:22
7440-47-3	Chromium, SPLP	0.0050	mg/L	1	0.0050	0.00046	U	02/09/10 19:32
7440-48-4	Cobalt, SPLP	0.00015	mg/L	1	0.0010	0.000042	J	02/09/10 19:32
7440-50-8	Copper, SPLP	0.0032	mg/L	1	0.0020	0.00071		02/22/10 15:22
7439-92-1	Lead, SPLP	0.0014	mg/L	1	0.0010	0.00022		02/22/10 15:22
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/09/10 19:32
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 15:22
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 15:22
7440-62-2	Vanadium, SPLP	0.00084	mg/L	1	0.0010	0.00028	J	02/22/10 15:22
7440-66-6	Zinc, SPLP	0.012	mg/L	1	0.050	0.0029	J	02/22/10 15:22

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SS-56394-EV-011310-021

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 11:35
Solids: 0.00
Laboratory ID: 1002004-04

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/09/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1000901

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036	U	02/22/10 15:26
7440-38-2	Arsenic, SPLP	0.0017	mg/L	1	0.0010	0.00038		02/22/10 15:26
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/23/10 09:06
7440-43-9	Cadmium, SPLP	0.00011	mg/L	1	0.00020	0.000055	J	02/22/10 15:26
7440-47-3	Chromium, SPLP	0.0019	mg/L	1	0.0050	0.00046	J	02/09/10 19:35
7440-48-4	Cobalt, SPLP	0.00077	mg/L	1	0.0010	0.000042	J	02/09/10 19:35
7440-50-8	Copper, SPLP	0.0025	mg/L	1	0.0020	0.00071		02/22/10 15:26
7439-92-1	Lead, SPLP	0.0026	mg/L	1	0.0010	0.00022		02/22/10 15:26
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/22/10 15:26
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 15:26
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 15:26
7440-62-2	Vanadium, SPLP	0.0036	mg/L	1	0.0010	0.00028		02/22/10 15:26
7440-66-6	Zinc, SPLP	0.022	mg/L	1	0.050	0.0029	J	02/22/10 15:26

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011410-033

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 09:05
Solids: 0.00
Laboratory ID: 1002004-05

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/09/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1000901

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.00052	mg/L	1	0.0010	0.00036	J	02/22/10 15:41
7440-38-2	Arsenic, SPLP	0.0022	mg/L	1	0.0010	0.00038		02/22/10 15:41
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/23/10 09:13
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 15:41
7440-47-3	Chromium, SPLP	0.0011	mg/L	1	0.0050	0.00046	J	02/09/10 19:43
7440-48-4	Cobalt, SPLP	0.00030	mg/L	1	0.0010	0.000042	J	02/09/10 19:43
7440-50-8	Copper, SPLP	0.0020	mg/L	1	0.0020	0.00071		02/22/10 15:41
7439-92-1	Lead, SPLP	0.0012	mg/L	1	0.0010	0.00022		02/22/10 15:41
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/22/10 15:41
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 15:41
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 15:41
7440-62-2	Vanadium, SPLP	0.0034	mg/L	1	0.0010	0.00028		02/22/10 15:41
7440-66-6	Zinc, SPLP	0.012	mg/L	1	0.050	0.0029	J	02/22/10 15:41

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

SD-SO-56394-CB-011410-033

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 09:07
Solids: 0.00
Laboratory ID: 1002004-06

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/09/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1000901

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.00048	mg/L	1	0.0010	0.00036	J	02/22/10 15:45
7440-38-2	Arsenic, SPLP	0.0086	mg/L	1	0.0010	0.00038		02/22/10 15:45
7440-41-7	Beryllium, SPLP	0.00041	mg/L	1	0.0010	0.00030	J	02/23/10 09:15
7440-43-9	Cadmium, SPLP	0.00016	mg/L	1	0.00020	0.000055	J	02/22/10 15:45
7440-47-3	Chromium, SPLP	0.012	mg/L	1	0.0050	0.00046		02/09/10 19:46
7440-48-4	Cobalt, SPLP	0.0038	mg/L	1	0.0010	0.000042		02/09/10 19:46
7440-50-8	Copper, SPLP	0.011	mg/L	1	0.0020	0.00071		02/22/10 15:45
7439-92-1	Lead, SPLP	0.019	mg/L	1	0.0010	0.00022		02/22/10 15:45
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/22/10 15:45
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 15:45
7440-28-0	Thallium, SPLP	0.00010	mg/L	1	0.0010	0.000056	J	02/22/10 15:45
7440-62-2	Vanadium, SPLP	0.016	mg/L	1	0.0010	0.00028		02/22/10 15:45
7440-66-6	Zinc, SPLP	0.045	mg/L	1	0.050	0.0029	J	02/22/10 15:45

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011410-046

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 12:25
Solids: 0.00
Laboratory ID: 1002004-07

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/09/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1000901

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036	U	02/22/10 15:48
7440-38-2	Arsenic, SPLP	0.00079	mg/L	1	0.0010	0.00038	J	02/22/10 15:48
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/23/10 09:17
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 15:48
7440-47-3	Chromium, SPLP	0.0050	mg/L	1	0.0050	0.00046	U	02/09/10 19:48
7440-48-4	Cobalt, SPLP	0.0010	mg/L	1	0.0010	0.000042	U	02/09/10 19:48
7440-50-8	Copper, SPLP	0.00084	mg/L	1	0.0020	0.00071	J	02/22/10 15:48
7439-92-1	Lead, SPLP	0.0010	mg/L	1	0.0010	0.00022	U	02/22/10 15:48
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/22/10 15:48
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 15:48
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 15:48
7440-62-2	Vanadium, SPLP	0.00082	mg/L	1	0.0010	0.00028	J	02/22/10 15:48
7440-66-6	Zinc, SPLP	0.0058	mg/L	1	0.050	0.0029	J	02/22/10 15:48

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 11:20
Solids: 0.00
Laboratory ID: 1002004-08

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/09/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1000901

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0011	mg/L	1	0.0010	0.00036		02/22/10 15:52
7440-38-2	Arsenic, SPLP	0.0033	mg/L	1	0.0010	0.00038		02/22/10 15:52
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/23/10 09:19
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 15:52
7440-47-3	Chromium, SPLP	0.00065	mg/L	1	0.0050	0.00046	J	02/09/10 19:51
7440-48-4	Cobalt, SPLP	0.00028	mg/L	1	0.0010	0.000042	J	02/09/10 19:51
7440-50-8	Copper, SPLP	0.0064	mg/L	1	0.0020	0.00071		02/22/10 15:52
7439-92-1	Lead, SPLP	0.0049	mg/L	1	0.0010	0.00022		02/22/10 15:52
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/09/10 19:51
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 15:52
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 15:52
7440-62-2	Vanadium, SPLP	0.0023	mg/L	1	0.0010	0.00028		02/22/10 15:52
7440-66-6	Zinc, SPLP	0.017	mg/L	1	0.050	0.0029	J	02/22/10 15:52

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-DR-011310-1011

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 13:25
Solids: 0.00
Laboratory ID: 1002004-09

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/09/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1000901

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0018	mg/L	1	0.0010	0.00036		02/22/10 16:14
7440-38-2	Arsenic, SPLP	0.0036	mg/L	1	0.0010	0.00038		02/22/10 16:14
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/23/10 09:28
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 16:14
7440-47-3	Chromium, SPLP	0.0050	mg/L	1	0.0050	0.00046	U	02/09/10 20:07
7440-48-4	Cobalt, SPLP	0.00069	mg/L	1	0.0010	0.000042	J	02/09/10 20:07
7440-50-8	Copper, SPLP	0.00090	mg/L	1	0.0020	0.00071	J	02/22/10 16:14
7439-92-1	Lead, SPLP	0.00039	mg/L	1	0.0010	0.00022	J	02/22/10 16:14
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/09/10 20:07
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 16:14
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 16:14
7440-62-2	Vanadium, SPLP	0.00057	mg/L	1	0.0010	0.00028	J	02/22/10 16:14
7440-66-6	Zinc, SPLP	0.012	mg/L	1	0.050	0.0029	J	02/22/10 16:14

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011310-028

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 16:30
Solids: 0.00
Laboratory ID: 1002004-10

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/09/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1000901

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0023	mg/L	1	0.0010	0.00036		02/22/10 16:18
7440-38-2	Arsenic, SPLP	0.0038	mg/L	1	0.0010	0.00038		02/22/10 16:18
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/23/10 09:30
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 16:18
7440-47-3	Chromium, SPLP	0.0017	mg/L	1	0.0050	0.00046	J	02/09/10 20:09
7440-48-4	Cobalt, SPLP	0.00025	mg/L	1	0.0010	0.000042	J	02/09/10 20:09
7440-50-8	Copper, SPLP	0.0066	mg/L	1	0.0020	0.00071		02/22/10 16:18
7439-92-1	Lead, SPLP	0.011	mg/L	1	0.0010	0.00022		02/22/10 16:18
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/09/10 20:09
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 16:18
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 16:18
7440-62-2	Vanadium, SPLP	0.0021	mg/L	1	0.0010	0.00028		02/22/10 16:18
7440-66-6	Zinc, SPLP	0.016	mg/L	1	0.050	0.0029	J	02/22/10 16:18

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011410-040

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 10:25
Solids: 0.00
Laboratory ID: 1002004-11

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/09/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1000901

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.00039	mg/L	1	0.0010	0.00036	J	02/22/10 16:34
7440-38-2	Arsenic, SPLP	0.00047	mg/L	1	0.0010	0.00038	J	02/22/10 16:34
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/23/10 09:37
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 16:34
7440-47-3	Chromium, SPLP	0.0050	mg/L	1	0.0050	0.00046	U	02/09/10 20:18
7440-48-4	Cobalt, SPLP	0.0010	mg/L	1	0.0010	0.000042	U	02/09/10 20:18
7440-50-8	Copper, SPLP	0.0020	mg/L	1	0.0020	0.00071	U	02/22/10 16:34
7439-92-1	Lead, SPLP	0.0010	mg/L	1	0.0010	0.00022	U	02/22/10 16:34
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/22/10 16:34
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 16:34
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 16:34
7440-62-2	Vanadium, SPLP	0.00080	mg/L	1	0.0010	0.00028	J	02/22/10 16:34
7440-66-6	Zinc, SPLP	0.0042	mg/L	1	0.050	0.0029	J	02/22/10 16:34

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

S-SO-56394-CB-011310-026

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 15:20
Solids: 0.00
Laboratory ID: 1002004-12

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Prepared: 02/09/10 07:00
Initial/Final: 25 mL / 125 mL
QC Batch: 1000901

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7440-36-0	Antimony, SPLP	0.0010	mg/L	1	0.0010	0.00036	U	02/22/10 16:37
7440-38-2	Arsenic, SPLP	0.0010	mg/L	1	0.0010	0.00038	U	02/22/10 16:37
7440-41-7	Beryllium, SPLP	0.0010	mg/L	1	0.0010	0.00030	U	02/23/10 09:39
7440-43-9	Cadmium, SPLP	0.00020	mg/L	1	0.00020	0.000055	U	02/22/10 16:37
7440-47-3	Chromium, SPLP	0.0050	mg/L	1	0.0050	0.00046	U	02/09/10 20:20
7440-48-4	Cobalt, SPLP	0.0010	mg/L	1	0.0010	0.000042	U	02/09/10 20:20
7440-50-8	Copper, SPLP	0.0020	mg/L	1	0.0020	0.00071	U	02/22/10 16:37
7439-92-1	Lead, SPLP	0.00068	mg/L	1	0.0010	0.00022	J	02/22/10 16:37
7782-49-2	Selenium, SPLP	0.0020	mg/L	1	0.0020	0.00082	U	02/22/10 16:37
7440-22-4	Silver, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/22/10 16:37
7440-28-0	Thallium, SPLP	0.0010	mg/L	1	0.0010	0.000056	U	02/22/10 16:37
7440-62-2	Vanadium, SPLP	0.00037	mg/L	1	0.0010	0.00028	J	02/22/10 16:37
7440-66-6	Zinc, SPLP	0.016	mg/L	1	0.050	0.0029	J	02/22/10 16:37

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B09047

SDG: PM011110B
Project: Plainwell Mill
Instrument: 201
Calibration: 0B09014

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B09047-CAL1	0b09047-002	02/09/10 18:23
Cal Standard	0B09047-CAL2	0b09047-003	02/09/10 18:25
Cal Standard	0B09047-CAL3	0b09047-004	02/09/10 18:28
Cal Standard	0B09047-CAL4	0b09047-005	02/09/10 18:30
Cal Standard	0B09047-CAL5	0b09047-006	02/09/10 18:33
Cal Standard	0B09047-CAL6	0b09047-007	02/09/10 18:35
Cal Standard	0B09047-CAL7	0b09047-008	02/09/10 18:38
Cal Standard	0B09047-CAL8	0b09047-009	02/09/10 18:40
Secondary Cal Check	0B09047-SCV1	0b09047-010	02/09/10 18:44
Calibration Check	0B09047-CCV1	0b09047-010	02/09/10 18:44
Calibration Blank	0B09047-CCB1	0b09047-011	02/09/10 18:47
MRL Check	0B09047-CRL2	0b09047-013	02/09/10 18:52
Interference Check A	0B09047-IFA1	0b09047-014	02/09/10 18:55
Interference Check B	0B09047-IFB1	0b09047-015	02/09/10 18:58
Calibration Check	0B09047-CCV2	0b09047-016	02/09/10 19:02
Calibration Blank	0B09047-CCB2	0b09047-017	02/09/10 19:05
Blank	1000901-BLK1	0b09047-018	02/09/10 19:08
LCS	1000901-BS1	0b09047-019	02/09/10 19:11
S-SO-56394-CB-011110-003	1002004-01	0b09047-020	02/09/10 19:14
S-SO-56394-CB-011110-003	1002004-01	0b09047-020	02/09/10 19:14
S-SO-56394-CB-011110-003	1002004-01	0b09047-020	02/09/10 19:14
S-SO-56394-CB-011110-003	1002004-01	0b09047-020	02/09/10 19:14
S-SO-56394-CB-011110-003	1000901-MS1	0b09047-021	02/09/10 19:17
S-SO-56394-CB-011110-003	1000901-MSD1	0b09047-022	02/09/10 19:20
S-SO-56394-CB-011110-003	0B09047-SRD1	0b09047-023	02/09/10 19:24
S-SO-56394-CB-011110-003	1000901-PS1	0b09047-024	02/09/10 19:26
S-SS-56394-EV-011210-011	1002004-02	0b09047-025	02/09/10 19:30
S-SS-56394-EV-011210-011	1002004-02	0b09047-025	02/09/10 19:30
S-SO-56394-CB-011210-015	1002004-03	0b09047-026	02/09/10 19:32
S-SO-56394-CB-011210-015	1002004-03	0b09047-026	02/09/10 19:32
S-SO-56394-CB-011210-015	1002004-03	0b09047-026	02/09/10 19:32
S-SS-56394-EV-011310-021	1002004-04	0b09047-027	02/09/10 19:35

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B09047

SDG: PM011110B
Project: Plainwell Mill
Instrument: 201
Calibration: 0B09014

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SS-56394-EV-011310-021	1002004-04	0b09047-027	02/09/10 19:35
Calibration Check	0B09047-CCV3	0b09047-028	02/09/10 19:37
Calibration Blank	0B09047-CCB3	0b09047-029	02/09/10 19:41
S-SO-56394-CB-011410-033	1002004-05	0b09047-030	02/09/10 19:43
S-SO-56394-CB-011410-033	1002004-05	0b09047-030	02/09/10 19:43
SD-SO-56394-CB-011410-033	1002004-06	0b09047-031	02/09/10 19:46
SD-SO-56394-CB-011410-033	1002004-06	0b09047-031	02/09/10 19:46
S-SO-56394-CB-011410-046	1002004-07	0b09047-032	02/09/10 19:48
S-SO-56394-CB-011410-046	1002004-07	0b09047-032	02/09/10 19:48
S-SO-56394-CB-011410-041	1002004-08	0b09047-033	02/09/10 19:51
S-SO-56394-CB-011410-041	1002004-08	0b09047-033	02/09/10 19:51
S-SO-56394-CB-011410-041	1002004-08	0b09047-033	02/09/10 19:51
S-SO-56394-CB-011410-041	1000901-MS2	0b09047-034	02/09/10 19:53
S-SO-56394-CB-011410-041	1000901-MSD2	0b09047-035	02/09/10 19:57
S-SO-56394-CB-011410-041	0B09047-SRD2	0b09047-036	02/09/10 20:00
S-SO-56394-CB-011410-041	1000901-PS2	0b09047-037	02/09/10 20:03
S-SO-56394-DR-011310-1011	1002004-09	0b09047-038	02/09/10 20:07
S-SO-56394-DR-011310-1011	1002004-09	0b09047-038	02/09/10 20:07
S-SO-56394-DR-011310-1011	1002004-09	0b09047-038	02/09/10 20:07
S-SO-56394-CB-011310-028	1002004-10	0b09047-039	02/09/10 20:09
S-SO-56394-CB-011310-028	1002004-10	0b09047-039	02/09/10 20:09
S-SO-56394-CB-011310-028	1002004-10	0b09047-039	02/09/10 20:09
Calibration Check	0B09047-CCV4	0b09047-040	02/09/10 20:12
Calibration Blank	0B09047-CCB4	0b09047-041	02/09/10 20:15
S-SO-56394-CB-011410-040	1002004-11	0b09047-042	02/09/10 20:18
S-SO-56394-CB-011410-040	1002004-11	0b09047-042	02/09/10 20:18
S-SO-56394-CB-011310-026	1002004-12	0b09047-043	02/09/10 20:20
S-SO-56394-CB-011310-026	1002004-12	0b09047-043	02/09/10 20:20
Calibration Check	0B09047-CCV5	0b09047-044	02/09/10 20:23
Calibration Blank	0B09047-CCB5	0b09047-045	02/09/10 20:26

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM011110B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B23006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B22027-CAL1	0b22027-001	02/22/10 13:31
Cal Standard	0B22027-CAL2	0b22027-002	02/22/10 13:35
Cal Standard	0B22027-CAL3	0b22027-003	02/22/10 13:39
Cal Standard	0B22027-CAL4	0b22027-004	02/22/10 13:43
Cal Standard	0B22027-CAL5	0b22027-005	02/22/10 13:47
Cal Standard	0B22027-CAL6	0b22027-006	02/22/10 13:51
Cal Standard	0B22027-CAL7	0b22027-007	02/22/10 13:55
Cal Standard	0B22027-CAL8	0b22027-008	02/22/10 13:59
Secondary Cal Check	0B22027-SCV1	0b22027-009	02/22/10 14:03
Calibration Check	0B22027-CCV1	0b22027-009	02/22/10 14:03
Calibration Blank	0B22027-CCB1	0b22027-010	02/22/10 14:12
MRL Check	0B22027-CRL1	0b22027-011	02/22/10 14:16
MRL Check	0B22027-CRL2	0b22027-012	02/22/10 14:20
Interference Check A	0B22027-IFA1	0b22027-013	02/22/10 14:24
Interference Check B	0B22027-IFB1	0b22027-014	02/22/10 14:28
Calibration Check	0B22027-CCV2	0b22027-015	02/22/10 14:32
Calibration Blank	0B22027-CCB2	0b22027-016	02/22/10 14:40
Blank	1000901-BLK2	0b22027-017	02/22/10 14:44
LCS	1000901-BS2	0b22027-018	02/22/10 14:48
S-SO-56394-CB-011110-003	1002004-01	0b22027-019	02/22/10 14:56
S-SO-56394-CB-011110-003	1002004-01	0b22027-019	02/22/10 14:56
S-SO-56394-CB-011110-003	1002004-01	0b22027-019	02/22/10 14:56
S-SO-56394-CB-011110-003	1002004-01	0b22027-019	02/22/10 14:56
S-SO-56394-CB-011110-003	1002004-01	0b22027-019	02/22/10 14:56
S-SO-56394-CB-011110-003	1002004-01	0b22027-019	02/22/10 14:56
S-SO-56394-CB-011110-003	1002004-01	0b22027-019	02/22/10 14:56
S-SO-56394-CB-011110-003	1002004-01	0b22027-019	02/22/10 14:56
S-SO-56394-CB-011110-003	1000901-MS3	0b22027-020	02/22/10 15:00
S-SO-56394-CB-011110-003	1000901-MSD3	0b22027-021	02/22/10 15:03
S-SO-56394-CB-011110-003	0B22027-SRD1	0b22027-022	02/22/10 15:07
S-SO-56394-CB-011110-003	1000901-PS3	0b22027-023	02/22/10 15:10
S-SS-56394-EV-011210-011	1002004-02	0b22027-024	02/22/10 15:19

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM011110B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B23006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SS-56394-EV-011210-011	1002004-02	0b22027-024	02/22/10 15:19
S-SS-56394-EV-011210-011	1002004-02	0b22027-024	02/22/10 15:19
S-SS-56394-EV-011210-011	1002004-02	0b22027-024	02/22/10 15:19
S-SS-56394-EV-011210-011	1002004-02	0b22027-024	02/22/10 15:19
S-SS-56394-EV-011210-011	1002004-02	0b22027-024	02/22/10 15:19
S-SS-56394-EV-011210-011	1002004-02	0b22027-024	02/22/10 15:19
S-SS-56394-EV-011210-011	1002004-02	0b22027-024	02/22/10 15:19
S-SS-56394-EV-011210-011	1002004-02	0b22027-024	02/22/10 15:19
S-SS-56394-EV-011210-011	1002004-02	0b22027-024	02/22/10 15:19
S-SO-56394-CB-011210-015	1002004-03	0b22027-025	02/22/10 15:22
S-SO-56394-CB-011210-015	1002004-03	0b22027-025	02/22/10 15:22
S-SO-56394-CB-011210-015	1002004-03	0b22027-025	02/22/10 15:22
S-SO-56394-CB-011210-015	1002004-03	0b22027-025	02/22/10 15:22
S-SO-56394-CB-011210-015	1002004-03	0b22027-025	02/22/10 15:22
S-SO-56394-CB-011210-015	1002004-03	0b22027-025	02/22/10 15:22
S-SO-56394-CB-011210-015	1002004-03	0b22027-025	02/22/10 15:22
S-SO-56394-CB-011210-015	1002004-03	0b22027-025	02/22/10 15:22
S-SO-56394-CB-011210-015	1002004-03	0b22027-025	02/22/10 15:22
S-SS-56394-EV-011310-021	1002004-04	0b22027-026	02/22/10 15:26
S-SS-56394-EV-011310-021	1002004-04	0b22027-026	02/22/10 15:26
S-SS-56394-EV-011310-021	1002004-04	0b22027-026	02/22/10 15:26
S-SS-56394-EV-011310-021	1002004-04	0b22027-026	02/22/10 15:26
S-SS-56394-EV-011310-021	1002004-04	0b22027-026	02/22/10 15:26
S-SS-56394-EV-011310-021	1002004-04	0b22027-026	02/22/10 15:26
S-SS-56394-EV-011310-021	1002004-04	0b22027-026	02/22/10 15:26
S-SS-56394-EV-011310-021	1002004-04	0b22027-026	02/22/10 15:26
S-SS-56394-EV-011310-021	1002004-04	0b22027-026	02/22/10 15:26
Calibration Check	0B22027-CCV3	0b22027-027	02/22/10 15:29
Calibration Blank	0B22027-CCB3	0b22027-028	02/22/10 15:37
S-SO-56394-CB-011410-033	1002004-05	0b22027-029	02/22/10 15:41
S-SO-56394-CB-011410-033	1002004-05	0b22027-029	02/22/10 15:41

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM011110B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B23006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-011410-033	1002004-05	0b22027-029	02/22/10 15:41
S-SO-56394-CB-011410-033	1002004-05	0b22027-029	02/22/10 15:41
S-SO-56394-CB-011410-033	1002004-05	0b22027-029	02/22/10 15:41
S-SO-56394-CB-011410-033	1002004-05	0b22027-029	02/22/10 15:41
S-SO-56394-CB-011410-033	1002004-05	0b22027-029	02/22/10 15:41
S-SO-56394-CB-011410-033	1002004-05	0b22027-029	02/22/10 15:41
S-SO-56394-CB-011410-033	1002004-05	0b22027-029	02/22/10 15:41
S-SO-56394-CB-011410-033	1002004-05	0b22027-029	02/22/10 15:41
SD-SO-56394-CB-011410-033	1002004-06	0b22027-030	02/22/10 15:45
SD-SO-56394-CB-011410-033	1002004-06	0b22027-030	02/22/10 15:45
SD-SO-56394-CB-011410-033	1002004-06	0b22027-030	02/22/10 15:45
SD-SO-56394-CB-011410-033	1002004-06	0b22027-030	02/22/10 15:45
SD-SO-56394-CB-011410-033	1002004-06	0b22027-030	02/22/10 15:45
SD-SO-56394-CB-011410-033	1002004-06	0b22027-030	02/22/10 15:45
SD-SO-56394-CB-011410-033	1002004-06	0b22027-030	02/22/10 15:45
SD-SO-56394-CB-011410-033	1002004-06	0b22027-030	02/22/10 15:45
SD-SO-56394-CB-011410-033	1002004-06	0b22027-030	02/22/10 15:45
SD-SO-56394-CB-011410-033	1002004-06	0b22027-030	02/22/10 15:45
S-SO-56394-CB-011410-046	1002004-07	0b22027-031	02/22/10 15:48
S-SO-56394-CB-011410-046	1002004-07	0b22027-031	02/22/10 15:48
S-SO-56394-CB-011410-046	1002004-07	0b22027-031	02/22/10 15:48
S-SO-56394-CB-011410-046	1002004-07	0b22027-031	02/22/10 15:48
S-SO-56394-CB-011410-046	1002004-07	0b22027-031	02/22/10 15:48
S-SO-56394-CB-011410-046	1002004-07	0b22027-031	02/22/10 15:48
S-SO-56394-CB-011410-046	1002004-07	0b22027-031	02/22/10 15:48
S-SO-56394-CB-011410-046	1002004-07	0b22027-031	02/22/10 15:48
S-SO-56394-CB-011410-046	1002004-07	0b22027-031	02/22/10 15:48
S-SO-56394-CB-011410-041	1002004-08	0b22027-032	02/22/10 15:52
S-SO-56394-CB-011410-041	1002004-08	0b22027-032	02/22/10 15:52
S-SO-56394-CB-011410-041	1002004-08	0b22027-032	02/22/10 15:52
S-SO-56394-CB-011410-041	1002004-08	0b22027-032	02/22/10 15:52

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM011110B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B23006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-011410-041	1002004-08	0b22027-032	02/22/10 15:52
S-SO-56394-CB-011410-041	1002004-08	0b22027-032	02/22/10 15:52
S-SO-56394-CB-011410-041	1002004-08	0b22027-032	02/22/10 15:52
S-SO-56394-CB-011410-041	1002004-08	0b22027-032	02/22/10 15:52
S-SO-56394-CB-011410-041	1002004-08	0b22027-032	02/22/10 15:52
S-SO-56394-CB-011410-041	1000901-MS4	0b22027-033	02/22/10 15:55
S-SO-56394-CB-011410-041	1000901-MSD4	0b22027-034	02/22/10 15:59
S-SO-56394-CB-011410-041	0B22027-SRD2	0b22027-035	02/22/10 16:02
S-SO-56394-CB-011410-041	1000901-PS4	0b22027-036	02/22/10 16:06
S-SO-56394-DR-011310-1011	1002004-09	0b22027-037	02/22/10 16:14
S-SO-56394-DR-011310-1011	1002004-09	0b22027-037	02/22/10 16:14
S-SO-56394-DR-011310-1011	1002004-09	0b22027-037	02/22/10 16:14
S-SO-56394-DR-011310-1011	1002004-09	0b22027-037	02/22/10 16:14
S-SO-56394-DR-011310-1011	1002004-09	0b22027-037	02/22/10 16:14
S-SO-56394-DR-011310-1011	1002004-09	0b22027-037	02/22/10 16:14
S-SO-56394-DR-011310-1011	1002004-09	0b22027-037	02/22/10 16:14
S-SO-56394-DR-011310-1011	1002004-09	0b22027-037	02/22/10 16:14
S-SO-56394-DR-011310-1011	1002004-09	0b22027-037	02/22/10 16:14
S-SO-56394-CB-011310-028	1002004-10	0b22027-038	02/22/10 16:18
S-SO-56394-CB-011310-028	1002004-10	0b22027-038	02/22/10 16:18
S-SO-56394-CB-011310-028	1002004-10	0b22027-038	02/22/10 16:18
S-SO-56394-CB-011310-028	1002004-10	0b22027-038	02/22/10 16:18
S-SO-56394-CB-011310-028	1002004-10	0b22027-038	02/22/10 16:18
S-SO-56394-CB-011310-028	1002004-10	0b22027-038	02/22/10 16:18
S-SO-56394-CB-011310-028	1002004-10	0b22027-038	02/22/10 16:18
S-SO-56394-CB-011310-028	1002004-10	0b22027-038	02/22/10 16:18
S-SO-56394-CB-011310-028	1002004-10	0b22027-038	02/22/10 16:18
Calibration Check	0B22027-CCV4	0b22027-039	02/22/10 16:21
Calibration Blank	0B22027-CCB4	0b22027-040	02/22/10 16:30
S-SO-56394-CB-011410-040	1002004-11	0b22027-041	02/22/10 16:34
S-SO-56394-CB-011410-040	1002004-11	0b22027-041	02/22/10 16:34
S-SO-56394-CB-011410-040	1002004-11	0b22027-041	02/22/10 16:34

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM011110B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B23006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-011410-040	1002004-11	0b22027-041	02/22/10 16:34
S-SO-56394-CB-011410-040	1002004-11	0b22027-041	02/22/10 16:34
S-SO-56394-CB-011410-040	1002004-11	0b22027-041	02/22/10 16:34
S-SO-56394-CB-011410-040	1002004-11	0b22027-041	02/22/10 16:34
S-SO-56394-CB-011410-040	1002004-11	0b22027-041	02/22/10 16:34
S-SO-56394-CB-011410-040	1002004-11	0b22027-041	02/22/10 16:34
S-SO-56394-CB-011410-040	1002004-11	0b22027-041	02/22/10 16:34
S-SO-56394-CB-011310-026	1002004-12	0b22027-042	02/22/10 16:37
S-SO-56394-CB-011310-026	1002004-12	0b22027-042	02/22/10 16:37
S-SO-56394-CB-011310-026	1002004-12	0b22027-042	02/22/10 16:37
S-SO-56394-CB-011310-026	1002004-12	0b22027-042	02/22/10 16:37
S-SO-56394-CB-011310-026	1002004-12	0b22027-042	02/22/10 16:37
S-SO-56394-CB-011310-026	1002004-12	0b22027-042	02/22/10 16:37
S-SO-56394-CB-011310-026	1002004-12	0b22027-042	02/22/10 16:37
S-SO-56394-CB-011310-026	1002004-12	0b22027-042	02/22/10 16:37
S-SO-56394-CB-011310-026	1002004-12	0b22027-042	02/22/10 16:37
Calibration Check	0B22027-CCV5	0b22027-043	02/22/10 16:41
Calibration Blank	0B22027-CCB5	0b22027-044	02/22/10 16:49
Calibration Check	0B22027-CCV6	0b22027-055	02/22/10 18:35
Calibration Blank	0B22027-CCB6	0b22027-056	02/22/10 18:43
Serial Dilution	0B22027-SRD3	0b22027-063	02/22/10 19:18
Calibration Check	0B22027-CCV7	0b22027-066	02/22/10 19:33
Calibration Blank	0B22027-CCB7	0b22027-067	02/22/10 19:42
Serial Dilution	0B22027-SRD4	0b22027-073	02/22/10 20:20
Calibration Check	0B22027-CCV8	0b22027-078	02/22/10 20:42
Calibration Blank	0B22027-CCB8	0b22027-079	02/22/10 20:51
Calibration Check	0B22027-CCV9	0b22027-087	02/22/10 21:19
Calibration Blank	0B22027-CCB9	0b22027-088	02/22/10 21:28
Calibration Check	0B22027-CCVA	0b22027-099	02/22/10 22:16
Calibration Blank	0B22027-CCBA	0b22027-100	02/22/10 22:24
Calibration Check	0B22027-CCVB	0b22027-111	02/22/10 23:00

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM011110B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B23006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	0B22027-CCBB	0b22027-112	02/22/10 23:09
Serial Dilution	0B22027-SRD5	0b22027-115	02/22/10 23:24
Serial Dilution	0B22027-SRD6	0b22027-122	02/23/10 00:02
Calibration Check	0B22027-CCVC	0b22027-123	02/23/10 00:05
Calibration Blank	0B22027-CCBC	0b22027-124	02/23/10 00:14
Calibration Check	0B22027-CCVD	0b22027-131	02/23/10 00:42
Calibration Blank	0B22027-CCBD	0b22027-132	02/23/10 00:50

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B23010

SDG: PM011110B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B23007

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B23010-CAL1	0b23010-001	02/23/10 08:15
Cal Standard	0B23010-CAL2	0b23010-002	02/23/10 08:17
Cal Standard	0B23010-CAL3	0b23010-003	02/23/10 08:19
Cal Standard	0B23010-CAL4	0b23010-004	02/23/10 08:22
Cal Standard	0B23010-CAL5	0b23010-005	02/23/10 08:24
Cal Standard	0B23010-CAL6	0b23010-006	02/23/10 08:27
Cal Standard	0B23010-CAL7	0b23010-007	02/23/10 08:29
Secondary Cal Check	0B23010-SCV1	0b23010-008	02/23/10 08:32
Calibration Check	0B23010-CCV1	0b23010-008	02/23/10 08:32
Calibration Blank	0B23010-CCB1	0b23010-009	02/23/10 08:34
MRL Check	0B23010-CRL1	0b23010-010	02/23/10 08:36
Interference Check A	0B23010-IFA1	0b23010-011	02/23/10 08:39
Interference Check B	0B23010-IFB1	0b23010-012	02/23/10 08:41
Calibration Check	0B23010-CCV2	0b23010-013	02/23/10 08:44
Calibration Blank	0B23010-CCB2	0b23010-014	02/23/10 08:46
Blank	1000901-BLK3	0b23010-015	02/23/10 08:49
LCS	1000901-BS3	0b23010-016	02/23/10 08:51
S-SO-56394-CB-011110-003	1002004-01	0b23010-017	02/23/10 08:52
S-SO-56394-CB-011110-003	1000901-MS5	0b23010-018	02/23/10 08:54
S-SO-56394-CB-011110-003	1000901-MSD5	0b23010-019	02/23/10 08:56
S-SO-56394-CB-011110-003	0B23010-SRD1	0b23010-020	02/23/10 08:58
S-SO-56394-CB-011110-003	1000901-PS5	0b23010-021	02/23/10 09:00
S-SS-56394-EV-011210-011	1002004-02	0b23010-022	02/23/10 09:02
S-SO-56394-CB-011210-015	1002004-03	0b23010-023	02/23/10 09:04
S-SS-56394-EV-011310-021	1002004-04	0b23010-024	02/23/10 09:06
Calibration Check	0B23010-CCV3	0b23010-025	02/23/10 09:08
Calibration Blank	0B23010-CCB3	0b23010-026	02/23/10 09:10
S-SO-56394-CB-011410-033	1002004-05	0b23010-027	02/23/10 09:13
SD-SO-56394-CB-011410-033	1002004-06	0b23010-028	02/23/10 09:15
S-SO-56394-CB-011410-046	1002004-07	0b23010-029	02/23/10 09:17
S-SO-56394-CB-011410-041	1002004-08	0b23010-030	02/23/10 09:19
S-SO-56394-CB-011410-041	1000901-MS6	0b23010-031	02/23/10 09:21

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B23010

SDG: PM011110B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B23007

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
S-SO-56394-CB-011410-041	1000901-MSD6	0b23010-032	02/23/10 09:23
S-SO-56394-CB-011410-041	0B23010-SRD2	0b23010-033	02/23/10 09:24
S-SO-56394-CB-011410-041	1000901-PS6	0b23010-034	02/23/10 09:26
S-SO-56394-DR-011310-1011	1002004-09	0b23010-035	02/23/10 09:28
S-SO-56394-CB-011310-028	1002004-10	0b23010-036	02/23/10 09:30
Calibration Check	0B23010-CCV4	0b23010-037	02/23/10 09:32
Calibration Blank	0B23010-CCB4	0b23010-038	02/23/10 09:35
S-SO-56394-CB-011410-040	1002004-11	0b23010-039	02/23/10 09:37
S-SO-56394-CB-011310-026	1002004-12	0b23010-040	02/23/10 09:39
Calibration Check	0B23010-CCV5	0b23010-041	02/23/10 09:41
Calibration Blank	0B23010-CCB5	0b23010-042	02/23/10 09:43

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B09047
Instrument ID:201
Control Limt: +/- 10.00%
Calibration: 0B09014

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B09047-CCV1	Chromium	40.0	39.6	99	ug/L	02/09/10 18:44
	Cobalt	40.0	40.4	101	ug/L	02/09/10 18:44
	Selenium	40.0	39.2	98	ug/L	02/09/10 18:44
	Zinc	40.0	40.1	100	ug/L	02/09/10 18:44
0B09047-CCV2	Chromium	40.0	41.7	104	ug/L	02/09/10 19:02
	Cobalt	40.0	41.7	104	ug/L	02/09/10 19:02
	Selenium	40.0	39.3	98	ug/L	02/09/10 19:02
	Zinc	40.0	40.9	102	ug/L	02/09/10 19:02
0B09047-CCV3	Chromium	40.0	41.3	103	ug/L	02/09/10 19:37
	Cobalt	40.0	41.5	104	ug/L	02/09/10 19:37
	Selenium	40.0	39.6	99	ug/L	02/09/10 19:37
0B09047-CCV4	Chromium	40.0	41.6	104	ug/L	02/09/10 20:12
	Cobalt	40.0	42.3	106	ug/L	02/09/10 20:12
	Selenium	40.0	38.5	96	ug/L	02/09/10 20:12
0B09047-CCV5	Chromium	40.0	41.1	103	ug/L	02/09/10 20:23
	Cobalt	40.0	41.4	104	ug/L	02/09/10 20:23
	Selenium	40.0	38.7	97	ug/L	02/09/10 20:23

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B22027
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0B23006

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B22027-CCV1	Antimony	40.0	37.6	94	ug/L	02/22/10 14:03
	Arsenic	40.0	39.8	100	ug/L	02/22/10 14:03
	Beryllium	40.0	37.7	94	ug/L	02/22/10 14:03
	Cadmium	40.0	38.2	96	ug/L	02/22/10 14:03
	Copper	40.0	38.7	97	ug/L	02/22/10 14:03
	Lead	40.0	38.0	95	ug/L	02/22/10 14:03
	Selenium	40.0	38.0	95	ug/L	02/22/10 14:03
	Silver	40.0	38.9	97	ug/L	02/22/10 14:03
	Thallium	40.0	38.0	95	ug/L	02/22/10 14:03
	Vanadium	40.0	37.5	94	ug/L	02/22/10 14:03
	Zinc	40.0	38.9	97	ug/L	02/22/10 14:03
0B22027-CCV2	Antimony	40.0	37.2	93	ug/L	02/22/10 14:32
	Arsenic	40.0	39.4	99	ug/L	02/22/10 14:32
	Cadmium	40.0	37.2	93	ug/L	02/22/10 14:32
	Copper	40.0	38.7	97	ug/L	02/22/10 14:32
	Lead	40.0	38.1	95	ug/L	02/22/10 14:32
	Selenium	40.0	37.8	95	ug/L	02/22/10 14:32
	Silver	40.0	38.2	96	ug/L	02/22/10 14:32
	Thallium	40.0	38.3	96	ug/L	02/22/10 14:32
	Vanadium	40.0	37.0	93	ug/L	02/22/10 14:32
	Zinc	40.0	38.6	96	ug/L	02/22/10 14:32
0B22027-CCV3	Antimony	40.0	36.6	91	ug/L	02/22/10 15:29
	Arsenic	40.0	39.7	99	ug/L	02/22/10 15:29
	Cadmium	40.0	37.2	93	ug/L	02/22/10 15:29
	Copper	40.0	38.8	97	ug/L	02/22/10 15:29
	Lead	40.0	38.3	96	ug/L	02/22/10 15:29
	Selenium	40.0	38.0	95	ug/L	02/22/10 15:29
	Silver	40.0	38.3	96	ug/L	02/22/10 15:29
	Thallium	40.0	37.8	95	ug/L	02/22/10 15:29
	Vanadium	40.0	36.7	92	ug/L	02/22/10 15:29
	Zinc	40.0	38.3	96	ug/L	02/22/10 15:29
0B22027-CCV4	Antimony	40.0	35.8	90	ug/L	02/22/10 16:21
	Arsenic	40.0	38.5	96	ug/L	02/22/10 16:21
	Cadmium	40.0	37.0	93	ug/L	02/22/10 16:21
	Copper	40.0	38.9	97	ug/L	02/22/10 16:21
	Lead	40.0	38.0	95	ug/L	02/22/10 16:21
	Selenium	40.0	37.5	94	ug/L	02/22/10 16:21
	Silver	40.0	38.0	95	ug/L	02/22/10 16:21

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B22027
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0B23006

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B22027-CCV4	Thallium	40.0	37.8	95	ug/L	02/22/10 16:21
	Vanadium	40.0	36.7	92	ug/L	02/22/10 16:21
	Zinc	40.0	37.7	94	ug/L	02/22/10 16:21
0B22027-CCV5	Antimony	40.0	36.6	91	ug/L	02/22/10 16:41
	Arsenic	40.0	39.1	98	ug/L	02/22/10 16:41
	Beryllium	40.0	36.1	90	ug/L	02/22/10 16:41
	Cadmium	40.0	37.2	93	ug/L	02/22/10 16:41
	Copper	40.0	39.5	99	ug/L	02/22/10 16:41
	Lead	40.0	38.0	95	ug/L	02/22/10 16:41
	Selenium	40.0	37.7	94	ug/L	02/22/10 16:41
	Silver	40.0	38.1	95	ug/L	02/22/10 16:41
	Thallium	40.0	38.2	95	ug/L	02/22/10 16:41
	Vanadium	40.0	37.6	94	ug/L	02/22/10 16:41
	Zinc	40.0	38.6	96	ug/L	02/22/10 16:41
0B22027-CCV6	Antimony	40.0	36.3	91	ug/L	02/22/10 18:35
	Arsenic	40.0	39.0	97	ug/L	02/22/10 18:35
	Beryllium	40.0	36.5	91	ug/L	02/22/10 18:35
	Cadmium	40.0	37.7	94	ug/L	02/22/10 18:35
	Copper	40.0	38.8	97	ug/L	02/22/10 18:35
	Lead	40.0	38.1	95	ug/L	02/22/10 18:35
	Selenium	40.0	37.6	94	ug/L	02/22/10 18:35
	Silver	40.0	38.6	96	ug/L	02/22/10 18:35
	Thallium	40.0	38.5	96	ug/L	02/22/10 18:35
	Vanadium	40.0	37.0	93	ug/L	02/22/10 18:35
	Zinc	40.0	38.2	96	ug/L	02/22/10 18:35
0B22027-CCV7	Antimony	40.0	36.0	90	ug/L	02/22/10 19:33
	Arsenic	40.0	39.8	99	ug/L	02/22/10 19:33
	Beryllium	40.0	36.0	90	ug/L	02/22/10 19:33
	Cadmium	40.0	37.0	93	ug/L	02/22/10 19:33
	Copper	40.0	39.7	99	ug/L	02/22/10 19:33
	Lead	40.0	38.1	95	ug/L	02/22/10 19:33
	Selenium	40.0	38.5	96	ug/L	02/22/10 19:33
	Silver	40.0	38.2	95	ug/L	02/22/10 19:33
	Thallium	40.0	38.4	96	ug/L	02/22/10 19:33
	Vanadium	40.0	37.6	94	ug/L	02/22/10 19:33
	Zinc	40.0	38.6	97	ug/L	02/22/10 19:33
0B22027-CCV8	Antimony	40.0	36.5	91	ug/L	02/22/10 20:42
	Arsenic	40.0	39.5	99	ug/L	02/22/10 20:42

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B22027
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0B23006

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B22027-CCV8	Beryllium	40.0	36.7	92	ug/L	02/22/10 20:42
	Cadmium	40.0	37.1	93	ug/L	02/22/10 20:42
	Copper	40.0	39.4	98	ug/L	02/22/10 20:42
	Lead	40.0	38.2	96	ug/L	02/22/10 20:42
	Selenium	40.0	37.8	94	ug/L	02/22/10 20:42
	Silver	40.0	38.5	96	ug/L	02/22/10 20:42
	Thallium	40.0	38.0	95	ug/L	02/22/10 20:42
	Vanadium	40.0	37.8	95	ug/L	02/22/10 20:42
	Zinc	40.0	39.0	97	ug/L	02/22/10 20:42
0B22027-CCV9	Antimony	40.0	36.3	91	ug/L	02/22/10 21:19
	Arsenic	40.0	38.9	97	ug/L	02/22/10 21:19
	Beryllium	40.0	37.6	94	ug/L	02/22/10 21:19
	Cadmium	40.0	37.3	93	ug/L	02/22/10 21:19
	Copper	40.0	39.0	98	ug/L	02/22/10 21:19
	Lead	40.0	37.8	94	ug/L	02/22/10 21:19
	Selenium	40.0	37.1	93	ug/L	02/22/10 21:19
	Silver	40.0	38.6	97	ug/L	02/22/10 21:19
	Thallium	40.0	37.8	95	ug/L	02/22/10 21:19
	Vanadium	40.0	37.2	93	ug/L	02/22/10 21:19
	Zinc	40.0	38.4	96	ug/L	02/22/10 21:19
0B22027-CCVA	Antimony	40.0	36.3	91	ug/L	02/22/10 22:16
	Arsenic	40.0	39.4	98	ug/L	02/22/10 22:16
	Beryllium	40.0	37.5	94	ug/L	02/22/10 22:16
	Cadmium	40.0	37.7	94	ug/L	02/22/10 22:16
	Copper	40.0	39.5	99	ug/L	02/22/10 22:16
	Lead	40.0	37.8	95	ug/L	02/22/10 22:16
	Selenium	40.0	37.9	95	ug/L	02/22/10 22:16
	Silver	40.0	38.6	97	ug/L	02/22/10 22:16
	Thallium	40.0	38.4	96	ug/L	02/22/10 22:16
	Vanadium	40.0	37.6	94	ug/L	02/22/10 22:16
	Zinc	40.0	38.3	96	ug/L	02/22/10 22:16
0B22027-CCVB	Antimony	40.0	36.7	92	ug/L	02/22/10 23:00
	Arsenic	40.0	38.6	96	ug/L	02/22/10 23:00
	Beryllium	40.0	37.1	93	ug/L	02/22/10 23:00
	Cadmium	40.0	38.0	95	ug/L	02/22/10 23:00
	Copper	40.0	39.2	98	ug/L	02/22/10 23:00
	Lead	40.0	38.4	96	ug/L	02/22/10 23:00
	Selenium	40.0	37.8	94	ug/L	02/22/10 23:00

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B22027
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0B23006

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B22027-CCVB	Silver	40.0	39.0	98	ug/L	02/22/10 23:00
	Thallium	40.0	38.5	96	ug/L	02/22/10 23:00
	Vanadium	40.0	37.4	93	ug/L	02/22/10 23:00
	Zinc	40.0	38.7	97	ug/L	02/22/10 23:00
0B22027-CCVC	Antimony	40.0	36.8	92	ug/L	02/23/10 00:05
	Arsenic	40.0	39.3	98	ug/L	02/23/10 00:05
	Beryllium	40.0	37.3	93	ug/L	02/23/10 00:05
	Cadmium	40.0	37.3	93	ug/L	02/23/10 00:05
	Copper	40.0	39.0	97	ug/L	02/23/10 00:05
	Lead	40.0	38.1	95	ug/L	02/23/10 00:05
	Selenium	40.0	37.8	94	ug/L	02/23/10 00:05
	Silver	40.0	38.4	96	ug/L	02/23/10 00:05
	Thallium	40.0	38.2	95	ug/L	02/23/10 00:05
	Vanadium	40.0	37.7	94	ug/L	02/23/10 00:05
	Zinc	40.0	38.6	97	ug/L	02/23/10 00:05
0B22027-CCVD	Antimony	40.0	36.1	90	ug/L	02/23/10 00:42
	Arsenic	40.0	39.1	98	ug/L	02/23/10 00:42
	Beryllium	40.0	37.5	94	ug/L	02/23/10 00:42
	Cadmium	40.0	36.9	92	ug/L	02/23/10 00:42
	Copper	40.0	39.5	99	ug/L	02/23/10 00:42
	Lead	40.0	38.1	95	ug/L	02/23/10 00:42
	Selenium	40.0	37.3	93	ug/L	02/23/10 00:42
	Silver	40.0	38.3	96	ug/L	02/23/10 00:42
	Thallium	40.0	38.2	96	ug/L	02/23/10 00:42
	Vanadium	40.0	37.8	94	ug/L	02/23/10 00:42
	Zinc	40.0	38.7	97	ug/L	02/23/10 00:42

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B23010
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0B23007

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B23010-CCV1	Beryllium	40.0	39.3	98	ug/L	02/23/10 08:32
0B23010-CCV2	Beryllium	40.0	38.4	96	ug/L	02/23/10 08:44
0B23010-CCV3	Beryllium	40.0	40.1	100	ug/L	02/23/10 09:08
0B23010-CCV4	Beryllium	40.0	39.5	99	ug/L	02/23/10 09:32
0B23010-CCV5	Beryllium	40.0	36.9	92	ug/L	02/23/10 09:41

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B09047
Instrument: 201
Laboratory ID: 0B09047-SCV1
Calibration: 0B09014

Analyte	Expected	Found	% R	QC Limit	Units
Chromium	40.0	39.6	99	90-110	ug/L
Cobalt	40.0	40.4	101	90-110	ug/L
Selenium	40.0	39.2	98	90-110	ug/L
Zinc	40.0	40.1	100	90-110	ug/L

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B22027
Instrument: 114
Laboratory ID: 0B22027-SCV1
Calibration: 0B23006

Analyte	Expected	Found	% R	QC Limit	Units
Antimony	40.0	37.6	94	90-110	ug/L
Arsenic	40.0	39.8	100	90-110	ug/L
Beryllium	40.0	37.7	94	90-110	ug/L
Cadmium	40.0	38.2	96	90-110	ug/L
Copper	40.0	38.7	97	90-110	ug/L
Lead	40.0	38.0	95	90-110	ug/L
Selenium	40.0	38.0	95	90-110	ug/L
Silver	40.0	38.9	97	90-110	ug/L
Thallium	40.0	38.0	95	90-110	ug/L
Vanadium	40.0	37.5	94	90-110	ug/L
Zinc	40.0	38.9	97	90-110	ug/L

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B23010
Instrument: 114
Laboratory ID: 0B23010-SCV1
Calibration: 0B23007

Analyte	Expected	Found	% R	QC Limit	Units
Beryllium	40.0	39.3	98	90-110	ug/L

* Values outside of QC limits

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110B

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0B09047

Instrument ID: 201

Calibration: 0B09014

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B09047-CRL2	Chromium	1.00	0.977	98	ug/L	50 - 150
	Cobalt	1.00	1.02	102	ug/L	50 - 150
	Selenium	1.00	0.916	92	ug/L	50 - 150
	Zinc	1.00	0.969	97	ug/L	50 - 150

* Values outside of QC limits

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110B

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0B22027

Instrument ID: 114

Calibration: 0B23006

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B22027-CRL1	Cadmium	0.200	0.212	106	ug/L	50 - 150
	Silver	0.200	0.186	93	ug/L	50 - 150
	Thallium	0.200	0.202	101	ug/L	50 - 150
0B22027-CRL2	Antimony	1.00	1.00	100	ug/L	50 - 150
	Arsenic	1.00	0.934	93	ug/L	50 - 150
	Beryllium	1.00	1.03	103	ug/L	50 - 150
	Copper	1.00	1.02	102	ug/L	50 - 150
	Lead	1.00	0.998	100	ug/L	50 - 150
	Selenium	1.00	0.976	98	ug/L	50 - 150
	Vanadium	1.00	0.948	95	ug/L	50 - 150
	Zinc	1.00	1.00	100	ug/L	50 - 150

* Values outside of QC limits

00208

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110B

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0B23010

Instrument ID: 114

Calibration: 0B23007

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B23010-CRL1	Beryllium	1.00	1.02	102	ug/L	50 - 150

* Values outside of QC limits

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B09047

SDG: PM011110B
Project: Plainwell Mill
Instrument ID: 201
Calibration: 0B09014

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B09047-CCB1	Chromium	-0.081	1.0	0.091	ug/L	U	02/09/10 18:47
	Cobalt	0.0023	0.20	0.0084	ug/L	U	02/09/10 18:47
	Selenium	0.050	0.40	0.16	ug/L	U	02/09/10 18:47
	Zinc	0.0074	10	0.58	ug/L	U	02/09/10 18:47
0B09047-CCB2	Chromium	-0.20	1.0	0.091	ug/L	J	02/09/10 19:05
	Cobalt	0.0014	0.20	0.0084	ug/L	U	02/09/10 19:05
	Selenium	-0.018	0.40	0.16	ug/L	U	02/09/10 19:05
	Zinc	0.015	10	0.58	ug/L	U	02/09/10 19:05
0B09047-CCB3	Chromium	-0.20	1.0	0.091	ug/L	J	02/09/10 19:41
	Cobalt	0.0019	0.20	0.0084	ug/L	U	02/09/10 19:41
	Selenium	-0.0044	0.40	0.16	ug/L	U	02/09/10 19:41
0B09047-CCB4	Chromium	-0.17	1.0	0.091	ug/L	J	02/09/10 20:15
	Cobalt	0.0018	0.20	0.0084	ug/L	U	02/09/10 20:15
	Selenium	-0.060	0.40	0.16	ug/L	U	02/09/10 20:15
0B09047-CCB5	Chromium	-0.15	1.0	0.091	ug/L	J	02/09/10 20:26
	Cobalt	0.0012	0.20	0.0084	ug/L	U	02/09/10 20:26
	Selenium	0.034	0.40	0.16	ug/L	U	02/09/10 20:26

* Values outside of QC limits

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM011110B
Project: Plainwell Mill
Instrument ID: 114
Calibration: 0B23006

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B22027-CCB1	Antimony	0.11	0.20	0.071	ug/L	J	02/22/10 14:12
	Arsenic	0.012	0.20	0.076	ug/L	U	02/22/10 14:12
	Beryllium	-0.0026	0.20	0.060	ug/L	U	02/22/10 14:12
	Cadmium	0.0033	0.040	0.011	ug/L	U	02/22/10 14:12
	Copper	0.0025	0.40	0.14	ug/L	U	02/22/10 14:12
	Lead	-0.00086	0.20	0.043	ug/L	U	02/22/10 14:12
	Selenium	0.083	0.40	0.16	ug/L	U	02/22/10 14:12
	Silver	0.0097	0.040	0.012	ug/L	U	02/22/10 14:12
	Thallium	0.00019	0.20	0.011	ug/L	U	02/22/10 14:12
	Vanadium	-0.011	0.20	0.056	ug/L	U	02/22/10 14:12
	Zinc	-0.0058	10	0.58	ug/L	U	02/22/10 14:12
0B22027-CCB2	Antimony	0.088	0.20	0.071	ug/L	J	02/22/10 14:40
	Arsenic	-0.053	0.20	0.076	ug/L	U	02/22/10 14:40
	Cadmium	0.0039	0.040	0.011	ug/L	U	02/22/10 14:40
	Copper	0.0047	0.40	0.14	ug/L	U	02/22/10 14:40
	Lead	-0.0013	0.20	0.043	ug/L	U	02/22/10 14:40
	Selenium	0.033	0.40	0.16	ug/L	U	02/22/10 14:40
	Silver	0.0072	0.040	0.012	ug/L	U	02/22/10 14:40
	Thallium	-0.00071	0.20	0.011	ug/L	U	02/22/10 14:40
	Vanadium	-0.045	0.20	0.056	ug/L	U	02/22/10 14:40
	Zinc	0.0053	10	0.58	ug/L	U	02/22/10 14:40
0B22027-CCB3	Antimony	0.084	0.20	0.071	ug/L	J	02/22/10 15:37
	Arsenic	-0.016	0.20	0.076	ug/L	U	02/22/10 15:37
	Cadmium	0.00067	0.040	0.011	ug/L	U	02/22/10 15:37
	Copper	0.0023	0.40	0.14	ug/L	U	02/22/10 15:37
	Lead	-0.0014	0.20	0.043	ug/L	U	02/22/10 15:37
	Selenium	0.058	0.40	0.16	ug/L	U	02/22/10 15:37
	Silver	0.0069	0.040	0.012	ug/L	U	02/22/10 15:37
	Thallium	-0.0011	0.20	0.011	ug/L	U	02/22/10 15:37
	Vanadium	-0.026	0.20	0.056	ug/L	U	02/22/10 15:37
	Zinc	0.017	10	0.58	ug/L	U	02/22/10 15:37
0B22027-CCB4	Antimony	0.082	0.20	0.071	ug/L	J	02/22/10 16:30
	Arsenic	-0.12	0.20	0.076	ug/L	J	02/22/10 16:30

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B22027
Instrument ID: 114
Calibration: 0B23006

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B22027-CCB4	Cadmium	0.0029	0.040	0.011	ug/L	U	02/22/10 16:30
	Copper	-0.00080	0.40	0.14	ug/L	U	02/22/10 16:30
	Lead	-0.0020	0.20	0.043	ug/L	U	02/22/10 16:30
	Selenium	-0.13	0.40	0.16	ug/L	U	02/22/10 16:30
	Silver	0.0069	0.040	0.012	ug/L	U	02/22/10 16:30
	Thallium	0.00025	0.20	0.011	ug/L	U	02/22/10 16:30
	Vanadium	-0.048	0.20	0.056	ug/L	U	02/22/10 16:30
	Zinc	0.0078	10	0.58	ug/L	U	02/22/10 16:30
0B22027-CCB5	Antimony	0.089	0.20	0.071	ug/L	J	02/22/10 16:49
	Arsenic	-0.12	0.20	0.076	ug/L	J	02/22/10 16:49
	Beryllium	-0.0028	0.20	0.060	ug/L	U	02/22/10 16:49
	Cadmium	0.0033	0.040	0.011	ug/L	U	02/22/10 16:49
	Copper	-0.0030	0.40	0.14	ug/L	U	02/22/10 16:49
	Lead	-0.00050	0.20	0.043	ug/L	U	02/22/10 16:49
	Selenium	-0.0029	0.40	0.16	ug/L	U	02/22/10 16:49
	Silver	0.0064	0.040	0.012	ug/L	U	02/22/10 16:49
	Thallium	-0.00024	0.20	0.011	ug/L	U	02/22/10 16:49
	Vanadium	-0.044	0.20	0.056	ug/L	U	02/22/10 16:49
	Zinc	0.0022	10	0.58	ug/L	U	02/22/10 16:49
0B22027-CCB6	Antimony	0.079	0.20	0.071	ug/L	J	02/22/10 18:43
	Arsenic	-0.098	0.20	0.076	ug/L	J	02/22/10 18:43
	Beryllium	0.0034	0.20	0.060	ug/L	U	02/22/10 18:43
	Cadmium	0.0053	0.040	0.011	ug/L	U	02/22/10 18:43
	Copper	-0.00085	0.40	0.14	ug/L	U	02/22/10 18:43
	Lead	-0.00069	0.20	0.043	ug/L	U	02/22/10 18:43
	Selenium	-0.0023	0.40	0.16	ug/L	U	02/22/10 18:43
	Silver	0.0056	0.040	0.012	ug/L	U	02/22/10 18:43
	Thallium	0.000022	0.20	0.011	ug/L	U	02/22/10 18:43
	Vanadium	-0.024	0.20	0.056	ug/L	U	02/22/10 18:43
	Zinc	0.0094	10	0.58	ug/L	U	02/22/10 18:43
0B22027-CCB7	Antimony	0.086	0.20	0.071	ug/L	J	02/22/10 19:42
	Arsenic	-0.032	0.20	0.076	ug/L	U	02/22/10 19:42
	Beryllium	-0.0043	0.20	0.060	ug/L	U	02/22/10 19:42

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM011110B
Project: Plainwell Mill
Instrument ID: 114
Calibration: 0B23006

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B22027-CCB7	Cadmium	0.0029	0.040	0.011	ug/L	U	02/22/10 19:42
	Copper	0.0011	0.40	0.14	ug/L	U	02/22/10 19:42
	Lead	-0.00066	0.20	0.043	ug/L	U	02/22/10 19:42
	Selenium	0.17	0.40	0.16	ug/L	J	02/22/10 19:42
	Silver	0.0072	0.040	0.012	ug/L	U	02/22/10 19:42
	Thallium	0.000063	0.20	0.011	ug/L	U	02/22/10 19:42
	Vanadium	-0.037	0.20	0.056	ug/L	U	02/22/10 19:42
	Zinc	0.014	10	0.58	ug/L	U	02/22/10 19:42
0B22027-CCB8	Antimony	0.090	0.20	0.071	ug/L	J	02/22/10 20:51
	Arsenic	-0.036	0.20	0.076	ug/L	U	02/22/10 20:51
	Beryllium	0.00049	0.20	0.060	ug/L	U	02/22/10 20:51
	Cadmium	0.0032	0.040	0.011	ug/L	U	02/22/10 20:51
	Copper	0.0066	0.40	0.14	ug/L	U	02/22/10 20:51
	Lead	0.00067	0.20	0.043	ug/L	U	02/22/10 20:51
	Selenium	0.094	0.40	0.16	ug/L	U	02/22/10 20:51
	Silver	0.0063	0.040	0.012	ug/L	U	02/22/10 20:51
	Thallium	-0.00095	0.20	0.011	ug/L	U	02/22/10 20:51
	Vanadium	-0.024	0.20	0.056	ug/L	U	02/22/10 20:51
	Zinc	0.019	10	0.58	ug/L	U	02/22/10 20:51
0B22027-CCB9	Antimony	0.083	0.20	0.071	ug/L	J	02/22/10 21:28
	Arsenic	-0.061	0.20	0.076	ug/L	U	02/22/10 21:28
	Beryllium	-0.0043	0.20	0.060	ug/L	U	02/22/10 21:28
	Cadmium	0.0018	0.040	0.011	ug/L	U	02/22/10 21:28
	Copper	0.0080	0.40	0.14	ug/L	U	02/22/10 21:28
	Lead	0.047	0.20	0.043	ug/L	J	02/22/10 21:28
	Selenium	0.14	0.40	0.16	ug/L	U	02/22/10 21:28
	Silver	0.0056	0.040	0.012	ug/L	U	02/22/10 21:28
	Thallium	-0.00034	0.20	0.011	ug/L	U	02/22/10 21:28
	Vanadium	-0.025	0.20	0.056	ug/L	U	02/22/10 21:28
	Zinc	0.035	10	0.58	ug/L	U	02/22/10 21:28
0B22027-CCBA	Antimony	0.078	0.20	0.071	ug/L	J	02/22/10 22:24
	Arsenic	-0.060	0.20	0.076	ug/L	U	02/22/10 22:24
	Beryllium	-0.00098	0.20	0.060	ug/L	U	02/22/10 22:24

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM011110B
Project: Plainwell Mill
Instrument ID: 114
Calibration: 0B23006

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B22027-CCBA	Cadmium	0.00038	0.040	0.011	ug/L	U	02/22/10 22:24
	Copper	0.0046	0.40	0.14	ug/L	U	02/22/10 22:24
	Lead	0.043	0.20	0.043	ug/L	J	02/22/10 22:24
	Selenium	0.083	0.40	0.16	ug/L	U	02/22/10 22:24
	Silver	0.0048	0.040	0.012	ug/L	U	02/22/10 22:24
	Thallium	-0.00081	0.20	0.011	ug/L	U	02/22/10 22:24
	Vanadium	-0.034	0.20	0.056	ug/L	U	02/22/10 22:24
	Zinc	0.030	10	0.58	ug/L	U	02/22/10 22:24
0B22027-CCBB	Antimony	0.087	0.20	0.071	ug/L	J	02/22/10 23:09
	Arsenic	-0.042	0.20	0.076	ug/L	U	02/22/10 23:09
	Beryllium	0.00054	0.20	0.060	ug/L	U	02/22/10 23:09
	Cadmium	0.00091	0.040	0.011	ug/L	U	02/22/10 23:09
	Copper	0.0089	0.40	0.14	ug/L	U	02/22/10 23:09
	Lead	0.043	0.20	0.043	ug/L	U	02/22/10 23:09
	Selenium	0.098	0.40	0.16	ug/L	U	02/22/10 23:09
	Silver	0.0054	0.040	0.012	ug/L	U	02/22/10 23:09
	Thallium	-0.00011	0.20	0.011	ug/L	U	02/22/10 23:09
	Vanadium	-0.036	0.20	0.056	ug/L	U	02/22/10 23:09
	Zinc	0.026	10	0.58	ug/L	U	02/22/10 23:09
0B22027-CCBC	Antimony	0.081	0.20	0.071	ug/L	J	02/23/10 00:14
	Arsenic	-0.062	0.20	0.076	ug/L	U	02/23/10 00:14
	Beryllium	0.0036	0.20	0.060	ug/L	U	02/23/10 00:14
	Cadmium	0.00060	0.040	0.011	ug/L	U	02/23/10 00:14
	Copper	0.0088	0.40	0.14	ug/L	U	02/23/10 00:14
	Lead	0.044	0.20	0.043	ug/L	J	02/23/10 00:14
	Selenium	0.018	0.40	0.16	ug/L	U	02/23/10 00:14
	Silver	0.0088	0.040	0.012	ug/L	U	02/23/10 00:14
	Thallium	-0.00047	0.20	0.011	ug/L	U	02/23/10 00:14
	Vanadium	-0.045	0.20	0.056	ug/L	U	02/23/10 00:14
	Zinc	0.021	10	0.58	ug/L	U	02/23/10 00:14
0B22027-CCBD	Antimony	0.093	0.20	0.071	ug/L	J	02/23/10 00:50
	Arsenic	-0.065	0.20	0.076	ug/L	U	02/23/10 00:50
	Beryllium	-0.0026	0.20	0.060	ug/L	U	02/23/10 00:50

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B22027

SDG: PM011110B
Project: Plainwell Mill
Instrument ID: 114
Calibration: 0B23006

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B22027-CCBD	Cadmium	0.0028	0.040	0.011	ug/L	U	02/23/10 00:50
	Copper	0.0061	0.40	0.14	ug/L	U	02/23/10 00:50
	Lead	0.043	0.20	0.043	ug/L	U	02/23/10 00:50
	Selenium	0.14	0.40	0.16	ug/L	U	02/23/10 00:50
	Silver	0.0065	0.040	0.012	ug/L	U	02/23/10 00:50
	Thallium	-0.00080	0.20	0.011	ug/L	U	02/23/10 00:50
	Vanadium	-0.034	0.20	0.056	ug/L	U	02/23/10 00:50
	Zinc	0.023	10	0.58	ug/L	U	02/23/10 00:50

* Values outside of QC limits

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B23010
Instrument ID: 114
Calibration: 0B23007

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B23010-CCB1	Beryllium	-0.0054	0.20	0.060	ug/L	U	02/23/10 08:34
0B23010-CCB2	Beryllium	-0.013	0.20	0.060	ug/L	U	02/23/10 08:46
0B23010-CCB3	Beryllium	-0.0077	0.20	0.060	ug/L	U	02/23/10 09:10
0B23010-CCB4	Beryllium	-0.013	0.20	0.060	ug/L	U	02/23/10 09:35
0B23010-CCB5	Beryllium	-0.0030	0.20	0.060	ug/L	U	02/23/10 09:43

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B09047

SDG: PM011110B

Project: Plainwell Mill

Instrument ID: 201

Calibration: 0B09014

Lab Sample ID	Analyte	True	Found	%R	Units
0B09047-IFA1	Chromium	0.00	-0.0813		ug/L
	Cobalt	0.00	0.00918		ug/L
	Selenium	0.00	-0.0702		ug/L
	Zinc	0.00	1.65		ug/L
0B09047-IFB1	Chromium	20.0	20.2	101	ug/L
	Cobalt	20.0	20.2	101	ug/L
	Selenium	20.0	18.8	94	ug/L
	Zinc	20.0	21.3	107	ug/L

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B22027

SDG: PM011110B

Project: Plainwell Mill

Instrument ID: 114

Calibration: 0B23006

Lab Sample ID	Analyte	True	Found	%R	Units
0B22027-IFA1	Antimony	0.00	0.0599		ug/L
	Arsenic	0.00	-0.00178		ug/L
	Beryllium	0.00	-0.00123		ug/L
	Cadmium	0.00	-0.00176		ug/L
	Copper	0.00	0.243		ug/L
	Lead	0.00	0.0119		ug/L
	Selenium	0.00	0.0403		ug/L
	Silver	0.00	0.0240		ug/L
	Thallium	0.00	0.00107		ug/L
	Vanadium	0.00	-0.0603		ug/L
	Zinc	0.00	1.64		ug/L
0B22027-IFB1	Antimony	20.0	19.9	100	ug/L
	Arsenic	20.0	19.9	100	ug/L
	Beryllium	20.0	18.3	92	ug/L
	Cadmium	20.0	19.8	99	ug/L
	Copper	20.0	19.0	95	ug/L
	Lead	20.0	19.6	98	ug/L
	Selenium	20.0	18.6	93	ug/L
	Silver	20.0	19.9	99	ug/L
	Thallium	20.0	19.3	97	ug/L
	Vanadium	20.0	18.7	94	ug/L
	Zinc	20.0	20.6	103	ug/L

* Values outside of QC limits

00218

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B23010

SDG: PM011110B

Project: Plainwell Mill

Instrument ID: 114

Calibration: 0B23007

Lab Sample ID	Analyte	True	Found	%R	Units
0B23010-IFA1	Beryllium	0.00	-0.0106		ug/L
0B23010-IFB1	Beryllium	20.0	20.2	101	ug/L

* Values outside of QC limits

QC BATCH SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011110B

Client: SulTRAC Project: Plainwell Mill

QC Batch: 1000901 QC Batch Matrix: Soil Preparation: 3010A SPLP Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000901-BLK1	02/09/10 07:00	
Blank	1000901-BLK2	02/09/10 07:00	
Blank	1000901-BLK3	02/09/10 07:00	
LCS	1000901-BS1	02/09/10 07:00	
LCS	1000901-BS2	02/09/10 07:00	
LCS	1000901-BS3	02/09/10 07:00	
S-SO-56394-CB-011110-003	1000901-MS1	02/09/10 07:00	
S-SO-56394-CB-011410-041	1000901-MS2	02/09/10 07:00	
S-SO-56394-CB-011110-003	1000901-MS3	02/09/10 07:00	
S-SO-56394-CB-011410-041	1000901-MS4	02/09/10 07:00	
S-SO-56394-CB-011110-003	1000901-MS5	02/09/10 07:00	
S-SO-56394-CB-011410-041	1000901-MS6	02/09/10 07:00	
S-SO-56394-CB-011110-003	1000901-MSD1	02/09/10 07:00	
S-SO-56394-CB-011410-041	1000901-MSD2	02/09/10 07:00	
S-SO-56394-CB-011110-003	1000901-MSD3	02/09/10 07:00	
S-SO-56394-CB-011410-041	1000901-MSD4	02/09/10 07:00	
S-SO-56394-CB-011110-003	1000901-MSD5	02/09/10 07:00	
S-SO-56394-CB-011410-041	1000901-MSD6	02/09/10 07:00	
S-SO-56394-CB-011110-003	1000901-PS1	02/09/10 18:10	[Spk] 25mL->125mL; 10mL->10mL; Spiked 10mL
S-SO-56394-CB-011410-041	1000901-PS2	02/09/10 18:10	[Spk] 25mL->125mL; 10mL->10mL; Spiked 10mL
S-SO-56394-CB-011110-003	1000901-PS3	02/22/10 13:45	[Spk] 25mL->125mL; 10mL->10mL; Spiked 10mL
S-SO-56394-CB-011410-041	1000901-PS4	02/22/10 13:45	[Spk] 25mL->125mL; 10mL->10mL; Spiked 10mL
S-SO-56394-CB-011110-003	1000901-PS5	02/22/10 13:45	
S-SO-56394-CB-011410-041	1000901-PS6	02/22/10 13:45	
S-SO-56394-CB-011110-003	1002004-01	02/09/10 07:00	
S-SS-56394-EV-011210-011	1002004-02	02/09/10 07:00	
S-SO-56394-CB-011210-015	1002004-03	02/09/10 07:00	
S-SS-56394-EV-011310-021	1002004-04	02/09/10 07:00	
S-SO-56394-CB-011410-033	1002004-05	02/09/10 07:00	
SD-SO-56394-CB-011410-033	1002004-06	02/09/10 07:00	
S-SO-56394-CB-011410-046	1002004-07	02/09/10 07:00	

QC BATCH SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110B

Client: SulTRAC

Project: Plainwell Mill

QC Batch: 1000901 QC Batch Matrix: Soil

Preparation: 3010A SPLP Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
S-SO-56394-CB-011410-041	1002004-08	02/09/10 07:00	
S-SO-56394-DR-011310-1011	1002004-09	02/09/10 07:00	
S-SO-56394-CB-011310-028	1002004-10	02/09/10 07:00	
S-SO-56394-CB-011410-040	1002004-11	02/09/10 07:00	
S-SO-56394-CB-011310-026	1002004-12	02/09/10 07:00	

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000901-BLK1
File ID: 0b09047-018
Prepared: 02/09/10 07:00
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 125 mL
Analyzed: 02/09/10 19:08
Instrument: 201
QC Batch: 1000901
Sequence: 0B09047
Calibration: 0B09014

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-47-3	Chromium, SPLP	0.00046	0.0050	0.0050	mg/L	U
7440-48-4	Cobalt, SPLP	0.000042	0.0010	0.0010	mg/L	U
7782-49-2	Selenium, SPLP	0.00082	0.0020	0.0020	mg/L	U

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000901-BLK2
File ID: 0b22027-017
Prepared: 02/09/10 07:00
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 125 mL
Analyzed: 02/22/10 14:44
Instrument: 114
QC Batch: 1000901
Sequence: 0B22027
Calibration: 0B23006

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-36-0	Antimony, SPLP	0.00036	0.0010	0.0010	mg/L	U
7440-38-2	Arsenic, SPLP	0.00038	0.0010	0.0010	mg/L	U
7440-43-9	Cadmium, SPLP	0.000055	0.00020	0.00020	mg/L	U
7440-50-8	Copper, SPLP	0.00071	0.0020	0.0020	mg/L	U
7439-92-1	Lead, SPLP	0.00022	0.0010	0.0010	mg/L	U
7440-22-4	Silver, SPLP	0.000061	0.00020	0.00020	mg/L	U
7440-28-0	Thallium, SPLP	0.000056	0.0010	0.0010	mg/L	U
7440-62-2	Vanadium, SPLP	0.00028	0.0010	0.0010	mg/L	U
7440-66-6	Zinc, SPLP	0.0029	0.050	0.0055	mg/L	J

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000901-BLK3
File ID: 0b23010-015
Prepared: 02/09/10 07:00
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 125 mL
Analyzed: 02/23/10 08:49
Instrument: 114
QC Batch: 1000901
Sequence: 0B23010
Calibration: 0B23007

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7440-41-7	Beryllium, SPLP	0.00030	0.0010	0.0010	mg/L	U

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011110-003

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1000901-MS1

QC Batch: 1000901

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Chromium, SPLP	0.100	0.00199	0.105	103	75 - 125	mg/L
Cobalt, SPLP	0.100	0.000472	0.102	101	75 - 125	mg/L
Selenium, SPLP	0.100	ND	0.0885	88	75 - 125	mg/L
Zinc, SPLP	0.100	0.0158	0.112	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-SO-56394-CB-011110-003

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1000901-MSD1

QC Batch: 1000901

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Chromium, SPLP	0.100	0.102	100	3	20	75 - 125	mg/L
Cobalt, SPLP	0.100	0.0985	98	3	20	75 - 125	mg/L
Selenium, SPLP	0.100	0.0840	84	5	20	75 - 125	mg/L
Zinc, SPLP	0.100	0.142	126 *	24 *	20	75 - 125	mg/L

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

* Values outside of QC limits

00226

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011410-041

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1000901-MS2

QC Batch: 1000901

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Chromium, SPLP	0.100	0.000645	0.0948	94	75 - 125	mg/L
Cobalt, SPLP	0.100	0.000283	0.0934	93	75 - 125	mg/L
Selenium, SPLP	0.100	ND	0.0797	80	75 - 125	mg/L

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

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011410-041

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1000901-MSD2

QC Batch: 1000901

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Chromium, SPLP	0.100	0.102	102	7	20	75 - 125	mg/L
Cobalt, SPLP	0.100	0.100	100	7	20	75 - 125	mg/L
Selenium, SPLP	0.100	0.0841	84	5	20	75 - 125	mg/L

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

* Values outside of QC limits

00228

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6020A

S-SO-56394-CB-011110-003

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1000901-MS3

QC Batch: 1000901

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Antimony, SPLP	0.100	0.00101	0.0931	92	75 - 125	mg/L
Arsenic, SPLP	0.100	0.0117	0.103	91	75 - 125	mg/L
Cadmium, SPLP	0.100	0.000109	0.0925	92	75 - 125	mg/L
Copper, SPLP	0.100	0.00741	0.101	94	75 - 125	mg/L
Lead, SPLP	0.100	0.00944	0.102	93	75 - 125	mg/L
Silver, SPLP	0.100	0.0000665	0.0949	95	75 - 125	mg/L
Thallium, SPLP	0.100	0.0000813	0.0940	94	75 - 125	mg/L
Vanadium, SPLP	0.100	0.00433	0.0979	94	75 - 125	mg/L

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

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011110-003

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1000901-MSD3

QC Batch: 1000901

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Antimony, SPLP	0.100	0.0956	95	3	20	75 - 125	mg/L
Arsenic, SPLP	0.100	0.103	92	0.5	20	75 - 125	mg/L
Cadmium, SPLP	0.100	0.0892	89	4	20	75 - 125	mg/L
Copper, SPLP	0.100	0.102	95	1	20	75 - 125	mg/L
Lead, SPLP	0.100	0.103	93	0.2	20	75 - 125	mg/L
Silver, SPLP	0.100	0.0919	92	3	20	75 - 125	mg/L
Thallium, SPLP	0.100	0.0919	92	2	20	75 - 125	mg/L
Vanadium, SPLP	0.100	0.0988	94	0.9	20	75 - 125	mg/L

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

* Values outside of QC limits

00230

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011410-041

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1000901-MS4

QC Batch: 1000901

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Antimony, SPLP	0.100	0.00114	0.0914	90	75 - 125	mg/L
Arsenic, SPLP	0.100	0.00334	0.0903	87	75 - 125	mg/L
Cadmium, SPLP	0.100	ND	0.0860	86	75 - 125	mg/L
Copper, SPLP	0.100	0.00644	0.0957	89	75 - 125	mg/L
Lead, SPLP	0.100	0.00489	0.0919	87	75 - 125	mg/L
Silver, SPLP	0.100	ND	0.0886	89	75 - 125	mg/L
Thallium, SPLP	0.100	ND	0.0887	89	75 - 125	mg/L
Vanadium, SPLP	0.100	0.00233	0.0931	91	75 - 125	mg/L
Zinc, SPLP	0.100	0.0168	0.0920	75	75 - 125	mg/L

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

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011410-041

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1000901-MSD4

QC Batch: 1000901

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Antimony, SPLP	0.100	0.0960	95	5	20	75 - 125	mg/L
Arsenic, SPLP	0.100	0.0960	93	6	20	75 - 125	mg/L
Cadmium, SPLP	0.100	0.0912	91	6	20	75 - 125	mg/L
Copper, SPLP	0.100	0.100	94	5	20	75 - 125	mg/L
Lead, SPLP	0.100	0.0969	92	5	20	75 - 125	mg/L
Silver, SPLP	0.100	0.0964	96	8	20	75 - 125	mg/L
Thallium, SPLP	0.100	0.0949	95	7	20	75 - 125	mg/L
Vanadium, SPLP	0.100	0.0996	97	7	20	75 - 125	mg/L
Zinc, SPLP	0.100	0.0961	79	4	20	75 - 125	mg/L

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

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011110-003

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1000901-MS5

QC Batch: 1000901

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Beryllium, SPLP	0.100	ND	0.0980	98	75 - 125	mg/L

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

* Values outside of QC limits

00233

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011110-003

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1000901-MSD5

QC Batch: 1000901

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Beryllium, SPLP	0.100	0.0978	98	0.1	20	75 - 125	mg/L

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

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011410-041

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1000901-MS6

QC Batch: 1000901

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Beryllium, SPLP	0.100	ND	0.0903	90	75 - 125	mg/L

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

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011410-041

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110B

Project: Plainwell Mill

Preparation: 3010A SPLP Digestion

Initial/Final: 25 mL / 125 mL

Laboratory ID: 1000901-MSD6

QC Batch: 1000901

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Beryllium, SPLP	0.100	0.0958	96	6	20	75 - 125	mg/L

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

* Values outside of QC limits

00235

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-CB-011110-003

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids:
Laboratory ID: 1000901-PS1
Lab Source ID: 1002004-01

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 2 mL / 10 mL
QC Batch: 1000901
Sequence: 0B09047

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Chromium, SPLP	80 - 120	20.9	0.397	20.0	103	ug/L
Cobalt, SPLP	80 - 120	20.7	0.0943	20.0	103	ug/L
Selenium, SPLP	80 - 120	17.7	0.0201	20.0	88	ug/L
Zinc, SPLP	80 - 120	22.2	3.15	20.0	95	ug/L

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids:
Laboratory ID: 1000901-PS2
Lab Source ID: 1002004-08

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 2 mL / 10 mL
QC Batch: 1000901
Sequence: 0B09047

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Chromium, SPLP	80 - 120	20.5	0.129	20.0	102	ug/L
Cobalt, SPLP	80 - 120	20.0	0.0567	20.0	100	ug/L
Selenium, SPLP	80 - 120	17.8	0.0232	20.0	89	ug/L

* Values outside of QC limits

99238

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-CB-011110-003

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids:
Laboratory ID: 1000901-PS3
Lab Source ID: 1002004-01

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 2 mL / 10 mL
QC Batch: 1000901
Sequence: 0B22027

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Antimony, SPLP	80 - 120	18.2	0.203	20.0	90	ug/L
Arsenic, SPLP	80 - 120	21.4	2.33	20.0	95	ug/L
Cadmium, SPLP	80 - 120	18.3	0.0219	20.0	91	ug/L
Copper, SPLP	80 - 120	20.7	1.48	20.0	96	ug/L
Lead, SPLP	80 - 120	20.9	1.89	20.0	95	ug/L
Silver, SPLP	80 - 120	18.8	0.0133	20.0	94	ug/L
Thallium, SPLP	80 - 120	19.3	0.0163	20.0	96	ug/L
Vanadium, SPLP	80 - 120	20.1	0.866	20.0	96	ug/L

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids:
Laboratory ID: 1000901-PS4
Lab Source ID: 1002004-08

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 2 mL / 10 mL
QC Batch: 1000901
Sequence: 0B22027

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Antimony, SPLP	80 - 120	18.3	0.228	20.0	91	ug/L
Arsenic, SPLP	80 - 120	19.7	0.668	20.0	95	ug/L
Cadmium, SPLP	80 - 120	18.5	0.00824	20.0	92	ug/L
Copper, SPLP	80 - 120	21.1	1.29	20.0	99	ug/L
Lead, SPLP	80 - 120	20.5	0.978	20.0	98	ug/L
Silver, SPLP	80 - 120	19.1	0.00395	20.0	95	ug/L
Thallium, SPLP	80 - 120	19.2	0.000981	20.0	96	ug/L
Vanadium, SPLP	80 - 120	20.0	0.466	20.0	98	ug/L
Zinc, SPLP	80 - 120	21.5	3.36	20.0	91	ug/L

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-CB-011110-003

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids:
Laboratory ID: 1000901-PS5
Lab Source ID: 1002004-01

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 2 mL / 10 mL
QC Batch: 1000901
Sequence: 0B23010

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Beryllium, SPLP	80 - 120	19.9	0.0121	20.0	100	ug/L

* Values outside of QC limits

00241

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
% Solids:
Laboratory ID: 1000901-PS6
Lab Source ID: 1002004-08

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 2 mL / 10 mL
QC Batch: 1000901
Sequence: 0B23010

Analyte	Control Limit %R	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Units
Beryllium, SPLP	80 - 120	20.1	-0.0127	20.0	101	ug/L

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY
USEPA-6020A

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

Laboratory ID: 1000901-BS1

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 125 mL
QC Batch: 1000901
Sequence: 0B09047

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Chromium, SPLP	0.100	0.0946	95	80 - 120	mg/L
Cobalt, SPLP	0.100	0.0934	93	80 - 120	mg/L
Selenium, SPLP	0.100	0.0830	83	80 - 120	mg/L

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

* Values outside of QC limits

00243

LCS / LCS DUPLICATE RECOVERY
USEPA-6020A

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

Laboratory ID: 1000901-BS2

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 125 mL
QC Batch: 1000901
Sequence: 0B22027

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Antimony, SPLP	0.100	0.0903	90	80 - 120	mg/L
Arsenic, SPLP	0.100	0.0849	85	80 - 120	mg/L
Cadmium, SPLP	0.100	0.0855	85	80 - 120	mg/L
Copper, SPLP	0.100	0.0892	89	80 - 120	mg/L
Lead, SPLP	0.100	0.0866	87	80 - 120	mg/L
Silver, SPLP	0.100	0.0883	88	80 - 120	mg/L
Thallium, SPLP	0.100	0.0863	86	80 - 120	mg/L
Vanadium, SPLP	0.100	0.0864	86	80 - 120	mg/L
Zinc, SPLP	0.100	0.0927	93	80 - 120	mg/L

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

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY
USEPA-6020A

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

Laboratory ID: 1000901-BS3

SDG: PM011110B
Project: Plainwell Mill
Preparation: 3010A SPLP Digestion
Initial/Final: 25 mL / 125 mL
QC Batch: 1000901
Sequence: 0B23010

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Beryllium, SPLP	0.100	0.0904	90	80 - 120	mg/L

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

* Values outside of QC limits

00245

SERIAL DILUTION

USEPA-6020A

S-SO-56394-CB-011110-003

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110B

Client: SulTRAC

Project: Plainwell Mill

Matrix: Soil

% Solids:

Laboratory ID: 0B09047-SRD1

QC Batch: 0B09047

Lab Source ID: 1002004-01

Sequence: 0B09047

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Chromium, SPLP	0.397	J	-0.468	U	218.0 #		ug/L	10
Cobalt, SPLP	0.0943	J	0.0982	J	4.0 #		ug/L	10
Selenium, SPLP	0.0201	U	-0.382	U	2000.0 #		ug/L	10
Zinc, SPLP	3.15	J	3.62	J	15.0 #		ug/L	10

* Values outside of QC limits

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

SERIAL DILUTION
USEPA-6020A

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids:
Laboratory ID: 0B09047-SRD2
QC Batch: 0B09047
Lab Source ID: 1002004-08
Sequence: 0B09047

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Chromium, SPLP	0.129	J	-0.651	U	605.0 #		ug/L	10
Cobalt, SPLP	0.0567	J	0.0587	J	4.0 #		ug/L	10
Selenium, SPLP	0.0232	U	-0.273	U	1277.0 #		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.

00247

SERIAL DILUTION
USEPA-6020A

S-SO-56394-CB-011110-003

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids:
Laboratory ID: 0B22027-SRD1
QC Batch: 0B22027
Lab Source ID: 1002004-01
Sequence: 0B22027

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Antimony, SPLP	0.203		0.243	U	20.0 #		ug/L	10
Arsenic, SPLP	2.33		2.30		1.0 #		ug/L	10
Cadmium, SPLP	0.0219	J	0.00738	U	66.0 #		ug/L	10
Copper, SPLP	1.48		1.04	J	30.0 #		ug/L	10
Lead, SPLP	1.89		1.64		13.0 #		ug/L	10
Silver, SPLP	0.0133	J	0.250		1780.0 #		ug/L	10
Thallium, SPLP	0.0163	J	0.00884	U	46.0 #		ug/L	10
Vanadium, SPLP	0.866		0.680	J	21.0 #		ug/L	10

* Values outside of QC limits

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

SERIAL DILUTION
USEPA-6020A

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids:
Laboratory ID: 0B22027-SRD2
QC Batch: 0B22027
Lab Source ID: 1002004-08
Sequence: 0B22027

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Antimony, SPLP	0.228		0.644	J	182.0 #		ug/L	10
Arsenic, SPLP	0.668		0.862	J	29.0 #		ug/L	10
Cadmium, SPLP	0.00824	U	0.00418	U	49.0 #		ug/L	10
Copper, SPLP	1.29		1.30	J	1.0 #		ug/L	10
Lead, SPLP	0.978		0.957	J	2.0 #		ug/L	10
Silver, SPLP	0.00395	U	0.249		6204.0 #		ug/L	10
Thallium, SPLP	0.000981	U	0.00312	U	218.0 #		ug/L	10
Vanadium, SPLP	0.466		0.304	J	35.0 #		ug/L	10
Zinc, SPLP	3.36	J	3.43	J	2.0 #		ug/L	10

* Values outside of QC limits

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

SERIAL DILUTION
USEPA-6020A

S-SO-56394-CB-011110-003

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids:
Laboratory ID: 0B23010-SRD1
QC Batch: 0B23010
Lab Source ID: 1002004-01
Sequence: 0B23010

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Beryllium, SPLP	0.0121	U	-0.0128	U	206.0 #		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.

00250

SERIAL DILUTION
USEPA-6020A

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
% Solids:
Laboratory ID: 0B23010-SRD2
QC Batch: 0B23010
Lab Source ID: 1002004-08
Sequence: 0B23010

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Beryllium, SPLP	-0.0127	U	-0.0200	U	57.0 #		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.

00251

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110B

Client: SulTRAC

Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-011110-003	01/11/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	
S-SO-56394-CB-011110-003	01/11/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	
S-SO-56394-CB-011110-003	01/11/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	
S-SO-56394-CB-011110-003	01/11/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	
S-SO-56394-CB-011110-003	01/11/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011110-003	01/11/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011110-003	01/11/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011110-003	01/11/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011110-003	01/11/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011110-003	01/11/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011110-003	01/11/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011110-003	01/11/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011110-003	01/11/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011110-003	01/11/10	01/14/10	02/02/10	02/09/10	7	NA	02/23/10	21	180	
S-SS-56394-EV-011210-011	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	
S-SS-56394-EV-011210-011	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	
S-SS-56394-EV-011210-011	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SS-56394-EV-011210-011	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SS-56394-EV-011210-011	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SS-56394-EV-011210-011	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SS-56394-EV-011210-011	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SS-56394-EV-011210-011	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011110B

Client: SulTRAC Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SS-56394-EV-011210-011	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SS-56394-EV-011210-011	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SS-56394-EV-011210-011	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SS-56394-EV-011210-011	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/23/10	21	180	
S-SO-56394-CB-011210-015	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	
S-SO-56394-CB-011210-015	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	
S-SO-56394-CB-011210-015	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	
S-SO-56394-CB-011210-015	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011210-015	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011210-015	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011210-015	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011210-015	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011210-015	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011210-015	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011210-015	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011210-015	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011210-015	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011210-015	01/12/10	01/14/10	02/02/10	02/09/10	7	NA	02/23/10	21	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	

00253

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110B

Client: SulTRAC

Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SS-56394-EV-011310-021	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SS-56394-EV-011310-021	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/23/10	21	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/23/10	21	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110B

Client: SulTRAC

Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
SD-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/23/10	21	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110B

Client: SulTRAC

Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-011410-046	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-046	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/23/10	21	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-041	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/23/10	21	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	

00256

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110B

Client: SulTRAC

Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-DR-011310-1011	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/23/10	21	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011310-028	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/23/10	21	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011110B

Client: SulTRAC Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-011410-040	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011410-040	01/14/10	01/14/10	02/02/10	02/09/10	7	NA	02/23/10	21	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/09/10	7	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	

00258

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110B

Client: SulTRAC

Project: Plainwell Mill

SPLP Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-011310-026	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/22/10	20	180	
S-SO-56394-CB-011310-026	01/13/10	01/14/10	02/02/10	02/09/10	7	NA	02/23/10	21	180	

00259

Metals, Soil, 3010A SPLP Digestion

Batch comments:
MAS 02/09/10 7:00AM-4:00PM
INST#217@93.2C#223
HOTBLOCK VESSELVLOT#A905LS269

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client: Source ID	Client: Spike ID	Client: uL Spike	Comments
1000901-BLK1		Feb-09-10 07:00	MAS	25	125				
1000901-BLK2		Feb-09-10 07:00	MAS	25	125				
1000901-BLK3		Feb-09-10 07:00	MAS	25	125				
1000901-BS1		Feb-09-10 07:00	MAS	25	125		9120029	25	
1000901-BS2		Feb-09-10 07:00	MAS	25	125		9120029	25	
1000901-BS3		Feb-09-10 07:00	MAS	25	125		9120029	25	
1000901-MS1		Feb-09-10 07:00	MAS	25	125	1002004-01	9120029	25	
1000901-MS2		Feb-09-10 07:00	MAS	25	125	1002004-08	9120029	25	
1000901-MS3		Feb-09-10 07:00	MAS	25	125	1002004-01	9120029	25	
1000901-MS4		Feb-09-10 07:00	MAS	25	125	1002004-08	9120029	25	
1000901-MS5		Feb-09-10 07:00	MAS	25	125	1002004-01	9120029	25	
1000901-MS6		Feb-09-10 07:00	MAS	25	125	1002004-08	9120029	25	
1000901-MSD1		Feb-09-10 07:00	MAS	25	125	1002004-01	9120029	25	
1000901-MSD2		Feb-09-10 07:00	MAS	25	125	1002004-08	9120029	25	
1000901-MSD3		Feb-09-10 07:00	MAS	25	125	1002004-01	9120029	25	
1000901-MSD4		Feb-09-10 07:00	MAS	25	125	1002004-08	9120029	25	
1000901-MSD5		Feb-09-10 07:00	MAS	25	125	1002004-01	9120029	25	
1000901-MSD6		Feb-09-10 07:00	MAS	25	125	1002004-08	9120029	25	
1000901-PS1		Feb-09-10 18:10	DWJ	2	10	1002004-01	9120102	50	[Spk] 25mL->125mL; 10mL->10mL; Spike
1000901-PS2		Feb-09-10 18:10	DWJ	2	10	1002004-08	9120102	50	[Spk] 25mL->125mL; 10mL->10mL; Spike
1000901-PS3		Feb-22-10 13:45	DSC	2	10	1002004-01	9120102	50	[Spk] 25mL->125mL; 10mL->10mL; Spike
1000901-PS4		Feb-22-10 13:45	DSC	2	10	1002004-08	9120102	50	[Spk] 25mL->125mL; 10mL->10mL; Spike

Comments:

Analyst Initials:

Metals, Soil, 3010A SPLP Digestion

Batch comments:

MAS 02/09/10 7:00AM-4:00PM
INST#217@93.2C#223
HOTBLOCK VESSELVLOT#A905LS269

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments		
1000901-PS5		Feb-22-10 13:45	DSC	2	10	1002004-01	9120102	50			
1000901-PS6		Feb-22-10 13:45	DSC	2	10	1002004-08	9120102	50			
1002004-01	A 01	Feb-09-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*				
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*							
1002004-01RE1	A 01	Feb-09-10 07:00		25	125	SulTRAC			Added for SequenceQC in: 0B22027	Added for SequenceQC in: 0B22027	
Be SPLP 6020	*Se SPLP 6020*	*Zn SPLP 6020*									
1002004-02	A 01	Feb-09-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*				
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*							
1002004-03	A 01	Feb-09-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*				
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*							
1002004-04	A 01	Feb-09-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*				
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*							
1002004-05	A 01	Feb-09-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*				
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*							
1002004-06	A 01	Feb-09-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*				
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*							
1002004-07	A 01	Feb-09-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*	*Be SPLP 6020*	*Cd SPLP 6020*	*Co SPLP 6020*	*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*				
Sb SPLP 6020	*Se SPLP 6020*	*Tl SPLP 6020*	*V SPLP 6020*	*Zn SPLP 6020*							

Comments:	Analyst Initials:

Metals, Soil, 3010A SPLP Digestion

Batch comments:

MAS 02/09/10 7:00AM-4:00PM
INST#217@93.2C#223
HOTBLOCK VESSELVLOT#A905LS269

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Client Comments		
1002004-08	C 01	Feb-09-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*		*Be SPLP 6020*		*Cd SPLP 6020*		*Co SPLP 6020*		*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*
Sb SPLP 6020	*Se SPLP 6020*		*Tl SPLP 6020*		*V SPLP 6020*		*Zn SPLP 6020*				
1002004-08RE1	C 01	Feb-09-10 07:00		25	125	SulTRAC			Added for SequenceQC in: 0B22027	Added for SequenceQC in: 0B22027	
Be SPLP 6020	*Se SPLP 6020*		*Zn SPLP 6020*								
1002004-09	A 01	Feb-09-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*		*Be SPLP 6020*		*Cd SPLP 6020*		*Co SPLP 6020*		*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*
Sb SPLP 6020	*Se SPLP 6020*		*Tl SPLP 6020*		*V SPLP 6020*		*Zn SPLP 6020*				
1002004-10	A 01	Feb-09-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*		*Be SPLP 6020*		*Cd SPLP 6020*		*Co SPLP 6020*		*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*
Sb SPLP 6020	*Se SPLP 6020*		*Tl SPLP 6020*		*V SPLP 6020*		*Zn SPLP 6020*				
1002004-11	A 01	Feb-09-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*		*Be SPLP 6020*		*Cd SPLP 6020*		*Co SPLP 6020*		*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*
Sb SPLP 6020	*Se SPLP 6020*		*Tl SPLP 6020*		*V SPLP 6020*		*Zn SPLP 6020*				
1002004-12	A 01	Feb-09-10 07:00	MAS	25	125	SulTRAC					
Ag SPLP 6020	*As SPLP 6020*		*Be SPLP 6020*		*Cd SPLP 6020*		*Co SPLP 6020*		*Cr SPLP 6020*	*Cu SPLP 6020*	*Pb SPLP 6020*
Sb SPLP 6020	*Se SPLP 6020*		*Tl SPLP 6020*		*V SPLP 6020*		*Zn SPLP 6020*				

Comments:	Analyst Initials:

APPROF 2/10

2-11-10
Cal: OB09014

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence

Instrument #: 201
Data File: OB09047
Date: 2-09-10
Calibration BLK/ICB/CCB: 1% HNO3 LOT#1109060
Analyst: DWO
Internal Standard #: 9110476

All samples are run at a 5x dilution which is accounted for on the prep benchsheet

Autosampler Position:

1. BLK/ICB/CCB/9120094
2. ICV/SCV/CCV 40ug/L 0010901
3. STD2 0.2 ug/L 9120100
4. STD3 1.0 ug/L 9120099
5. STD4 10 ug/L 9120098
6. STD5 20 ug/L 9120097
7. STD6 50 ug/L 9120096
8. STD7 100 ug/L 9120095
9. STD1 0.04 ug/L 9120101
10. IFA1 0010903
11. IFB1 0010904

Analysis # / Position #	ID	Dilution			Analysis # / Position #	ID	Dilution		
		Initial Volume (mL)	Final Volume (mL)	Dilution Factor			Initial Volume (mL)	Final Volume (mL)	Dilution Factor
1/17	1000901-BIK1				35/51				
2/18	1000901-BS1				36/52				
3/19	1002004-01				37/53				
4/20	1000901-MS1				38/54				
5/21	1000901-MSD1				39/55				
6/22	SRD1				40/56				
7/23	1000901-PS1				41/57				
8/24	1002004-02				42/58				
9/25	1002004-03				43/59				
10/26	1002004-04				44/60				
11/27	1002004-05				45/61				
12/28	1002004-06				46/62				
13/29	1002004-07				47/63				
14/30	1002004-08				48/64				
15/31	1000901-MS2				49/65				
16/32	1000901-MSD2				50/66				
17/33	SRD2				51/67				
18/34	1000901-PS2				52/68				
19/35	1002004-09				53/69	Removed Ag Cu Zn			
20/36	1002004-10				54/70	took results			
21/37	1002004-11				55/71				
22/38	1002004-12				56/72	from			
23/39					57/73				
24/40					58/74				
25/41					59/75	OB22027			
26/42					60/76				
27/43					61/77	Added			
28/44					62/78	back			
29/45					63/79				
30/46					64/80	1002004-01 MSD			
31/47					65/81	TDC			
32/48					66/82				
33/49					67/83				
34/50					68/84				

Instrument Tuning Report

File Name: 09FEB2010_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	6.977	1549	2020	0.878	
Co	58.933	59.028	14200	2050	0.865	
In	114.904	114.878	27797	2095	0.850	
Ba	137.905	137.829	33397	2110	0.873	
Ce	139.905	139.879	33884	2115	0.863	
Tl	204.975	204.976	49721	2180	0.833	

00264

Daily Performance Report

Sample ID: 0010896
Sample Date/Time: Tuesday, February 09, 2010 18:07:25
Sample Description:
Method File: c:\elandata\Method\6020A_Daily.mth
Dataset File: c:\elandata\Dataset\default\0010896.4354
Tuning File: C:\Elandata\Tuning\09FEB2010_6020A_D.tun
Optimization File: C:\Elandata\Optimize\09FEB2010_6020A.dac
Dual Detector Mode: Dual
Acq. Dead Time(ns): 60
Current Dead Time (ns): 60
Number of Replicates: 6

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Li	7.0	5419.1	5419.096	145.118	2.7
	Co	58.9	152611.7	152611.658	2277.167	1.5
	In	114.9	439325.0	439324.967	3557.151	0.8
	Tl	205.0	279254.8	279254.788	3450.795	1.2
⌈>	Ba	137.9	364104.5	364104.460	3083.560	0.8
⌊	Ba++	69.0	8018.7	0.022	0.001	2.3
⌈>	Ce	139.9	445123.2	445123.195	5417.771	1.2
⌊	CeO	155.9	11704.7	0.026	0.001	2.0
	Bkgd	220.0	12.5	12.500	2.811	22.5

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5680.936	5680.936
Co	59	156798.396	156798.396
In	115	436873.412	436873.412
Tl	205	276226.424	276226.424
Ba	138	361571.889	361571.889
Ba++	69	8287.119	0.023
Ce	140	443833.718	443833.718
CeO	156	11858.431	0.027
Bkgd	220	17.000	17.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5474.798	5474.798
Co	59	153336.871	153336.871
In	115	436384.782	436384.782
Tl	205	279243.520	279243.520
Ba	138	361777.034	361777.034
Ba++	69	8020.858	0.022
Ce	140	444754.937	444754.937
CeO	156	11379.765	0.026
Bkgd	220	11.000	11.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5386.740	5386.740
Co	59	151525.181	151525.181
In	115	438263.718	438263.718
Tl	205	280335.272	280335.272
Ba	138	368373.943	368373.943
Ba++	69	8024.862	0.022
Ce	140	447629.903	447629.903
CeO	156	11789.333	0.026
Bkgd	220	10.000	10.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5265.663	5265.663
Co	59	151474.268	151474.268
In	115	446116.277	446116.277

Dino

Tl	205	279761.465	279761.465
Ba	138	365787.051	365787.051
Ba++	69	8059.896	0.022
Ce	140	454337.696	454337.696
CeO	156	11788.332	0.026
Bkgd	220	15.000	15.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5339.710	5339.710
Co	59	152212.539	152212.539
In	115	438347.588	438347.588
Tl	205	275087.670	275087.670
Ba	138	360907.480	360907.480
Ba++	69	7861.707	0.022
Ce	140	438839.362	438839.362
CeO	156	11869.447	0.027
Bkgd	220	11.000	11.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5366.728	5366.728
Co	59	150322.695	150322.695
In	115	439964.027	439964.027
Tl	205	284874.377	284874.377
Ba	138	366209.364	366209.364
Ba++	69	7857.703	0.021
Ce	140	441343.551	441343.551
CeO	156	11542.989	0.026
Bkgd	220	11.000	11.000

Sample/Batch Report

User Name: analystME
Computer Name: ELAN6100_08
Sample File: C:\Elandata\Sample\0B09047.sam
Report Date/Time: Tuesday, February 09, 2010 18:18:37

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
17		1000901-BLK1		Sample					
18		1000901-BS1		Sample					
19		1002004-01		Sample					
20		1000901-MS1		Sample					
21		1000901-MSD1		Sample					
22		0B09047-SRD1		Sample					
23		1000901-PS1		Sample					
24		1002004-02		Sample					
25		1002004-03		Sample					
26		1002004-04		Sample					
27		1002004-05		Sample					
28		1002004-06		Sample					
29		1002004-07		Sample					
30		1002004-08		Sample					
31		1000901-MS2		Sample					
32		1000901-MSD2		Sample					
33		0B09047-SRD2		Sample					
34		1000901-PS2		Sample					
35		1002004-09		Sample					
36		1002004-10		Sample					
37		1002004-11		Sample					
38		1002004-12		Sample					

Sample Information

Sample ID: 0B09047-CAL1
Autosampler Position: 1
Sample Date/Time: Tuesday, February 09, 2010 18:23:06
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\0B09047-CAL1.002
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	19663.703					ug/L
	Cr	53	3953.978					ug/L
	Co	59	82.668					ug/L
	Cu	63	316.343					ug/L
	Cu	65	149.336					ug/L
	Zn	66	305.009					ug/L
	Zn	68	1755.869					ug/L
>	Ge	72	390828.864					ug/L
	Se	77	240.339					ug/L
	Se	82	113.559					ug/L
>	Rh	103	285960.483					ug/L
	Ag	107	18.000					ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	19702.461			ug/L
Cr	53	4058.028			ug/L
Co	59	89.001			ug/L
Cu	63	314.009			ug/L
Cu	65	163.003			ug/L
Zn	66	263.008			ug/L
Zn	68	1800.212			ug/L
Ge	72	383408.864			ug/L
Se	77	238.008			ug/L
Se	82	105.088			ug/L
Rh	103	288078.285			ug/L
Ag	107	18.000			ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	19479.838			ug/L

	Cr	53	3935.869			ug/L
	Co	59	84.091			ug/L
	Cu	63	330.010			ug/L
	Cu	65	139.003			ug/L
	Zn	66	342.019			ug/L
	Zn	68	1760.203			ug/L
	Ge	72	382988.948			ug/L
	Se	77	227.008			ug/L
	Se	82	142.572			ug/L
	Rh	103	297725.697			ug/L
	Ag	107	18.000			ug/L

Repeat 3

Analyte	Mass	Mass, Intensity	Net Intensity	Concentration	Report Unit
Cr	52	19808.713			ug/L
Cr	53	3887.938			ug/L
Co	59	98.001			ug/L
Cu	63	305.009			ug/L
Cu	65	148.003			ug/L
Zn	66	290.008			ug/L
Zn	68	1707.182			ug/L
Ge	72	388478.881			ug/L
Se	77	256.008			ug/L
Se	82	93.036			ug/L
Rh	103	281079.466			ug/L
Ag	107	19.000			ug/L

99269

Sample Information

Sample ID: 0B09047-CAL2
Autosampler Position: 9
Sample Date/Time: Tuesday, February 09, 2010 18:25:35
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\0B09047-CAL2.003
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	20403.489	0.002				ug/L
	Cr	53	4168.751	0.001				ug/L
	Co	59	722.039	0.002				ug/L
	Cu	63	680.035	0.001				ug/L
	Cu	65	314.009	0.000				ug/L
	Zn	66	443.016	0.000				ug/L
	Zn	68	1896.568	0.000				ug/L
>	Ge	72	388145.779	388145.779				ug/L
	Se	77	231.006	-0.000				ug/L
	Se	82	136.808	0.000				ug/L
>	Rh	103	287609.211	287609.211				ug/L
	Ag	107	630.030	0.002	0.040000	0.002	5.917	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	20781.086	0.002		ug/L
Cr	53	4218.109	0.001		ug/L
Co	59	732.039	0.002		ug/L
Cu	63	717.038	0.001		ug/L
Cu	65	291.008	0.000		ug/L
Zn	66	456.017	0.000		ug/L
Zn	68	1925.242	0.000		ug/L
Ge	72	394878.048	394878.048		ug/L
Se	77	225.008	-0.000		ug/L
Se	82	158.338	0.000		ug/L
Rh	103	286775.772	286775.772		ug/L
Ag	107	629.030	0.002	0.039800	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	20186.573	0.002		ug/L

00279

	Cr	53	4238.114	0.001		ug/L
	Co	59	725.039	0.002		ug/L
	Cu	63	664.033	0.001		ug/L
	Cu	65	330.010	0.000		ug/L
	Zn	66	458.017	0.000		ug/L
	Zn	68	1863.232	0.000		ug/L
	Ge	72	384189.409	384189.409		ug/L
	Se	77	234.008	-0.000		ug/L
	Se	82	98.487	-0.000		ug/L
	Rh	103	268468.240	268468.240		ug/L
	Ag	107	588.028	0.002	0.037712	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	20282.807	0.002		ug/L
Cr	53	4082.030	0.000		ug/L
Co	59	709.037	0.002		ug/L
Cu	63	658.033	0.001		ug/L
Cu	65	321.008	0.000		ug/L
Zn	66	415.014	0.000		ug/L
Zn	68	1691.231	0.000		ug/L
Ge	72	385389.881	385389.881		ug/L
Se	77	234.008	-0.000		ug/L
Se	82	153.818	0.000		ug/L
Rh	103	268682.822	268682.822		ug/L
Ag	107	685.033	0.002	0.042438	ug/L

98271

Sample Information

Sample ID: 0B09047-CAL3
Autosampler Position: 3
Sample Date/Time: Tuesday, February 09, 2010 18:28:05
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\0B09047-CAL3.004
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	22937.089	0.007	0.200000	0.018	8.871	ug/L
	Cr	53	4447.899	0.001	0.200000	0.053	26.511	ug/L
	Co	59	3453.750	0.008	0.200000	0.006	3.125	ug/L
	Cu	63	1980.255	0.004	0.200000	0.005	2.635	ug/L
	Cu	65	906.725	0.002	0.200000	0.005	2.619	ug/L
	Zn	66	816.048	0.001	0.200000	0.032	16.168	ug/L
	Zn	68	2192.644	0.001	0.200000	0.055	27.740	ug/L
>	Ge	72	397983.426	397983.426				ug/L
	Se	77	290.675	0.000	0.200000	0.034	16.784	ug/L
	Se	82	173.186	0.000	0.200000	0.137	68.564	ug/L
>	Rh	103	284059.752	284059.752				ug/L
	Ag	107	2989.567	0.010	0.199869	0.008	3.895	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	23243.609	0.007	0.182200	ug/L
Cr	53	4559.282	0.001	0.200808	ug/L
Co	59	3434.742	0.008	0.193885	ug/L
Cu	63	1993.258	0.004	0.195889	ug/L
Cu	65	952.084	0.002	0.205882	ug/L
Zn	66	744.041	0.001	0.184030	ug/L
Zn	68	2145.288	0.001	0.150523	ug/L
Ge	72	407844.838	407844.838		ug/L
Se	77	291.008	0.000	0.170488	ug/L
Se	82	145.056	0.000	0.088387	ug/L
Rh	103	284781.412	284781.412		ug/L
Ag	107	2987.822	0.010	0.191178	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	22948.776	0.008	0.217888	ug/L

00272

	Cr	53	4509.265	0.001	0.252715	ug/L
	Co	59	3413.733	0.008	0.198773	ug/L
	Cu	63	1948.247	0.004	0.198422	ug/L
	Cd	65	886.058	0.002	0.197714	ug/L
	Zn	66	875.055	0.001	0.228659	ug/L
	Zn	68	2290.338	0.001	0.259862	ug/L
IS	Ge	72	383888.187	383888.187		ug/L
	Se	77	286.008	0.000	0.182869	ug/L
	Se	82	139.448	0.000	0.157185	ug/L
IS	Rh	103	283108.519	283108.519		ug/L
	Ag	107	3014.575	0.011	0.202223	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	22622.882	0.007	0.200115	ug/L
Cr	53	4275.139	0.001	0.146878	ug/L
Co	59	3512.778	0.008	0.208361	ug/L
Cu	63	2001.260	0.004	0.205878	ug/L
Cd	66	880.086	0.002	0.196284	ug/L
Zn	66	829.050	0.001	0.208311	ug/L
Zn	68	2142.287	0.001	0.189486	ug/L
IS	Ge	72	382450.274	382450.274		ug/L
Se	77	296.008	0.009	0.236518	ug/L
Se	82	215.088	0.000	0.353428	ug/L
IS	Rh	103	284308.325	284308.325		ug/L
Ag	107	3088.803	0.011	0.208208	ug/L

Sample Information

Sample ID: 0B09047-CAL4

Autosampler Position: 4
Sample Date/Time: Tuesday, February 09, 2010 18:30:37
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\0B09047-CAL4.005
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Cr	52	33712.396	0.034	0.997479	0.032	3.181	ug/L
|	Cr	53	5924.498	0.005	0.995759	0.044	4.379	ug/L
|	Co	59	16551.254	0.041	0.999093	0.022	2.195	ug/L
|	Cu	63	8538.791	0.021	0.999635	0.006	0.579	ug/L
|	Cu	65	4121.727	0.010	1.001909	0.013	1.268	ug/L
|	Zn	66	2661.452	0.006	0.997026	0.021	2.116	ug/L
|	Zn	68	3712.531	0.005	0.997910	0.045	4.504	ug/L
| >	Ge	72	398066.777	398066.777				ug/L
|	Se	77	551.024	0.001	1.009639	0.050	4.983	ug/L
⌊	Se	82	510.659	0.001	1.010345	0.076	7.489	ug/L
⌈ >	Rh	103	289494.259	289494.259				ug/L
⌊	Ag	107	15338.593	0.053	1.000435	0.013	1.304	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Cr	51.941	
|	Cr	52.941	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
| >	Ge	71.922	
|	Se	76.920	
⌊	Se	81.917	
⌈ >	Rh	102.905	
⌊	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	34122.097	0.036	1.012084	ug/L
Cr	53	6033.244	0.006	1.033918	ug/L
Co	59	16332.152	0.041	0.979534	ug/L
Cu	63	8615.537	0.021	1.002573	ug/L
Cu	65	4190.086	0.010	1.012810	ug/L
Zn	66	2621.438	0.006	0.973184	ug/L
Zn	68	3647.835	0.005	0.952566	ug/L
Ge	72	400904.287	400904.287		ug/L
Se	77	572.026	0.001	1.067610	ug/L
Se	82	479.844	0.001	0.923271	ug/L
Rh	103	286981.693	286981.693		ug/L
Ag	107	15102.824	0.053	0.983706	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	33627.048	0.036	1.019274	ug/L

00274

	Cr	53	5876.130	0.008	1.005729	ug/L
	Co	59	18752.889	0.042	1.022660	ug/L
	Cu	63	8472.389	0.021	1.003388	ug/L
	Cu	65	4020.018	0.010	0.987662	ug/L
	Zn	66	2889.464	0.008	1.013317	ug/L
	Zn	68	3795.884	0.005	1.043482	ug/L
	Ge	72	383649.340	383649.340		ug/L
	Se	77	535.023	0.001	0.877321	ug/L
	Se	82	534.340	0.001	1.080156	ug/L
	Rh	103	290872.588	290872.588		ug/L
	Ag	107	15847.834	0.084	1.015472	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Repeat Unit
Cr	52	33388.088	0.033	0.981077	ug/L
Cr	53	5884.121	0.008	0.948032	ug/L
Co	59	18588.820	0.041	0.994785	ug/L
Cu	63	8528.447	0.021	0.982984	ug/L
Cu	65	4156.077	0.010	1.004998	ug/L
Zn	66	2883.482	0.008	1.004587	ug/L
Zn	68	3733.874	0.005	0.998853	ug/L
Ge	72	400148.708	400148.708		ug/L
Se	77	548.023	0.001	0.983887	ug/L
Se	82	528.083	0.001	1.047804	ug/L
Rh	103	290528.488	290528.488		ug/L
Ag	107	15286.121	0.052	0.982123	ug/L

Sample Information

Sample ID: 0B09047-CAL5
Autosampler Position: 5
Sample Date/Time: Tuesday, February 09, 2010 18:33:09
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\0B09047-CAL5.006
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	169148.062	0.377	10.008778	0.089	0.893	ug/L
	Cr	53	22334.451	0.046	9.996468	0.129	1.286	ug/L
	Co	59	174703.223	0.441	10.006277	0.207	2.068	ug/L
	Cu	63	84993.080	0.214	10.003530	0.111	1.114	ug/L
	Cu	65	40738.076	0.102	10.002985	0.159	1.587	ug/L
	Zn	66	25703.513	0.064	10.007864	0.273	2.726	ug/L
	Zn	68	22342.469	0.052	10.006905	0.212	2.120	ug/L
>	Ge	72	396025.010	396025.010				ug/L
	Se	77	2999.903	0.007	9.990294	0.204	2.039	ug/L
	Se	82	3962.506	0.010	9.998860	0.239	2.392	ug/L
>	Rh	103	287377.037	287377.037				ug/L
	Ag	107	162086.969	0.564	10.006418	0.249	2.484	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	172316.044	0.379	10.077850	ug/L
Cr	53	22591.808	0.048	9.983517	ug/L
Co	59	173058.194	0.431	9.787259	ug/L
Cu	63	85150.674	0.212	9.886380	ug/L
Cu	65	40680.456	0.101	9.982879	ug/L
Zn	66	25579.481	0.063	9.831568	ug/L
Zn	68	22127.580	0.051	9.788870	ug/L
Ge	72	401019.188	401019.188		ug/L
Se	77	2974.581	0.007	9.762881	ug/L
Se	82	3910.253	0.009	9.735007	ug/L
Rh	103	291134.088	291134.088		ug/L
Ag	107	158787.140	0.548	9.739974	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	167011.622	0.373	9.907825	ug/L

00276

I	Cr	53	22498.849	0.047	10.131053	ug/L
I	Co	59	177417.481	0.448	10.189882	ug/L
I	Cu	63	94618.287	0.214	9.883978	ug/L
I	Cu	65	40489.383	0.102	9.970883	ug/L
I	Zn	66	25262.486	0.063	9.868829	ug/L
I	Zn	68	23423.382	0.062	10.085808	ug/L
IS	Ge	72	394544.802	394544.802		ug/L
I	Se	77	3034.983	0.007	10.155883	ug/L
I	Se	82	4025.988	0.010	10.301488	ug/L
IS	Rh	103	286371.774	286371.774		ug/L
I	Ag	107	184488.343	0.576	10.224837	ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
I	Cr	52	188116.520	0.378	10.040880	ug/L
I	Cr	53	21914.987	0.046	9.874833	ug/L
I	Co	59	173833.883	0.442	10.032841	ug/L
I	Cu	63	65210.279	0.216	10.118525	ug/L
I	Cu	65	41074.387	0.104	10.175423	ug/L
I	Zn	66	26289.803	0.066	10.323086	ug/L
I	Zn	68	22478.486	0.053	10.188438	ug/L
IS	Ge	72	392511.039	392511.039		ug/L
I	Se	77	2980.888	0.007	10.052137	ug/L
I	Se	82	3951.299	0.010	10.080114	ug/L
IS	Rh	103	285825.242	285825.242		ug/L
I	Ag	107	181988.423	0.567	10.058444	ug/L

00277

Sample Information

Sample ID: 0B09047-CAL6
Autosampler Position: 6
Sample Date/Time: Tuesday, February 09, 2010 18:35:43
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\0B09047-CAL6.007
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	305498.795	0.699	19.691236	0.179	0.910	ug/L
	Cr	53	39101.260	0.086	19.683334	0.580	2.949	ug/L
	Co	59	335918.710	0.823	19.719656	0.495	2.508	ug/L
	Cu	63	164973.374	0.404	19.764709	0.570	2.882	ug/L
	Cu	65	77956.052	0.191	19.703943	0.147	0.745	ug/L
	Zn	66	49070.555	0.120	19.712196	0.257	1.305	ug/L
	Zn	68	41195.655	0.097	19.699886	0.347	1.760	ug/L
>	Ge	72	407949.787	407949.787				ug/L
	Se	77	5711.347	0.013	19.835761	0.346	1.745	ug/L
	Se	82	7642.479	0.018	19.785745	0.358	1.811	ug/L
>	Rh	103	289073.208	289073.208				ug/L
	Ag	107	314145.604	1.087	19.850164	0.411	2.073	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	307273.488	0.701	19.747827	ug/L
Cr	53	39097.249	0.087	19.680391	ug/L
Co	59	340008.941	0.831	19.895316	ug/L
Cu	63	167883.483	0.409	20.046488	ug/L
Cu	65	78358.449	0.191	19.743652	ug/L
Zn	66	48531.391	0.118	19.433354	ug/L
Zn	68	41485.320	0.097	19.768861	ug/L
Ge	72	408194.688	408194.688		ug/L
Se	77	5820.951	0.013	19.444123	ug/L
Se	82	7523.884	0.018	19.411878	ug/L
Rh	103	290340.088	290340.088		ug/L
Ag	107	308341.880	1.088	19.480439	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	305905.488	0.691	19.430800	ug/L

00278

Cr	53	36358.453	0.083	19.027689	ug/L
Co	59	330021.190	0.600	19.181289	ug/L
Cu	63	181278.291	0.380	19.108039	ug/L
Cu	65	78159.602	0.189	19.541323	ug/L
Zn	66	49734.485	0.128	19.763031	ug/L
Zn	68	40869.479	0.086	19.323724	ug/L
Ge	72	412388.509	412388.509		ug/L
Se	77	5609.082	0.013	19.962488	ug/L
Se	82	7739.283	0.018	19.819411	ug/L
Rh	103	286353.888	286353.888		ug/L
Ag	107	320167.858	1.110	20.280258	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	303317.401	0.704	19.632281	ug/L
Cr	53	30330.079	0.086	20.131922	ug/L
Co	59	337729.000	0.638	20.102380	ug/L
Cu	63	185778.349	0.411	20.138821	ug/L
Cu	65	77382.112	0.182	19.828863	ug/L
Zn	66	49946.809	0.121	19.840203	ug/L
Zn	68	41232.185	0.086	20.008881	ug/L
Ge	72	402288.198	402288.198		ug/L
Se	77	5704.009	0.014	20.100875	ug/L
Se	82	7684.271	0.019	20.125948	ug/L
Rh	103	288525.883	288525.883		ug/L
Ag	107	312927.198	1.085	19.909789	ug/L

Sample Information

Sample ID: 0B09047-CAL7
Autosampler Position: 7
Sample Date/Time: Tuesday, February 09, 2010 18:38:17
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\0B09047-CAL7.008
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	732270.016	1.749	49.881465	1.043	2.092	ug/L
	Cr	53	90586.314	0.212	49.790944	1.399	2.809	ug/L
	Co	59	831572.108	2.043	49.818068	0.930	1.866	ug/L
	Cu	63	404592.346	0.993	49.766410	0.711	1.428	ug/L
	Cu	65	192099.136	0.472	49.782960	1.337	2.685	ug/L
	Zn	66	122115.558	0.299	49.892353	1.207	2.419	ug/L
	Zn	68	101398.621	0.245	49.990925	1.384	2.768	ug/L
>	Ge	72	407055.598	407055.598				ug/L
	Se	77	13640.960	0.033	49.788557	1.477	2.967	ug/L
	Se	82	18973.089	0.046	49.950313	2.494	4.993	ug/L
>	Rh	103	293671.953	293671.953				ug/L
	Ag	107	781759.748	2.662	49.765030	0.418	0.840	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	729882.883	1.731	49.383798	ug/L
Cr	53	90770.583	0.211	49.529028	ug/L
Co	59	822680.902	2.007	49.843041	ug/L
Cu	63	401647.380	0.979	49.082584	ug/L
Cu	65	184728.034	0.460	48.585076	ug/L
Zn	66	120088.245	0.292	48.717523	ug/L
Zn	68	99461.257	0.238	48.977838	ug/L
Ge	72	408638.168	408638.168		ug/L
Se	77	13380.884	0.032	48.807836	ug/L
Se	82	18084.942	0.044	47.255882	ug/L
Rh	103	295282.649	295282.649		ug/L
Ag	107	778389.889	2.639	49.282971	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	736056.883	1.761	51.082908	ug/L

00280

I	Cr	53	91887.328	0.219	51.302175	ug/L
I	Co	59	833738.122	2.083	50.793696	ug/L
I	Cu	63	403986.969	1.006	50.463691	ug/L
I	Cu	65	194338.788	0.486	51.212932	ug/L
I	Zn	66	123084.101	0.307	51.128462	ug/L
I	Zn	68	102546.126	0.252	51.436363	ug/L
I>	Ge	72	400213.819	400213.819		ug/L
I	Se	77	13642.826	0.034	51.404745	ug/L
I	Se	82	18467.746	0.046	52.178466	ug/L
I>	Rh	103	283054.706	283054.706		ug/L
I	Ag	107	783918.186	2.674	49.999999	ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
I	Cr	52	729888.483	1.725	49.188103	ug/L
I	Cr	53	88321.031	0.207	48.541828	ug/L
I	Co	59	836297.301	2.039	49.717308	ug/L
I	Cu	63	408580.859	0.983	49.752698	ug/L
I	Cu	65	193233.588	0.476	49.570808	ug/L
I	Zn	66	123208.327	0.298	49.831083	ug/L
I	Zn	68	102168.479	0.244	49.858473	ug/L
I>	Ge	72	411114.812	411114.812		ug/L
I	Se	77	13888.371	0.033	49.482980	ug/L
I	Se	82	18348.580	0.047	50.416472	ug/L
I>	Rh	103	282888.508	282888.508		ug/L
I	Ag	107	783284.391	2.676	50.025324	ug/L

00281

Sample Information

Sample ID: 0B09047-CAL8
Autosampler Position: 8
Sample Date/Time: Tuesday, February 09, 2010 18:40:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\0B09047-CAL8.009
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	1490907.614	3.629	100.784284	1.351	1.340	ug/L
	Cr	53	180424.519	0.435	100.445833	1.966	1.957	ug/L
	Co	59	1691763.827	4.174	100.407865	1.483	1.477	ug/L
	Cu	63	826540.981	2.039	100.486918	0.391	0.389	ug/L
	Cu	65	389706.937	0.961	100.332722	0.850	0.847	ug/L
	Zn	66	249814.414	0.616	100.593813	2.089	2.077	ug/L
	Zn	68	203926.104	0.499	100.429845	1.306	1.300	ug/L
>	Ge	72	405286.560	405286.560				ug/L
	Se	77	27426.672	0.067	100.334663	1.244	1.240	ug/L
	Se	82	38643.852	0.095	100.563167	2.534	2.520	ug/L
>	Rh	103	294152.836	294152.836				ug/L
	Ag	107	1599385.177	5.437	100.376168	0.366	0.365	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	1488912.910	3.670	101.827247	ug/L
Cr	53	181573.816	0.441	101.998048	ug/L
Co	59	1698084.903	4.209	101.246289	ug/L
Cu	63	825345.037	2.048	100.928144	ug/L
Cu	65	388813.563	0.964	100.633008	ug/L
Zn	66	242642.218	0.601	99.279328	ug/L
Zn	68	200072.221	0.492	99.088439	ug/L
Ge	72	402924.911	402924.911		ug/L
Se	77	27008.871	0.066	99.379082	ug/L
Se	82	38417.534	0.095	100.548078	ug/L
Rh	103	291634.137	291634.137		ug/L
Ag	107	1586884.787	5.441	100.434783	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	1488588.887	3.641	101.131578	ug/L

00282

Cr	53	181449.985	0.440	101.482804	ug/L
Co	59	1888330.519	4.211	101.281738	ug/L
Cu	63	821872.882	2.038	100.347089	ug/L
Cu	65	390804.499	0.986	100.891479	ug/L
Zn	66	253049.081	0.626	102.340438	ug/L
Zn	66	205512.714	0.505	101.708017	ug/L
Ga	72	403552.203	403552.203		ug/L
Se	77	27889.202	0.088	101.741517	ug/L
Se	82	39452.621	0.087	103.104439	ug/L
Rh	103	301149.855	301149.855		ug/L
Ag	107	1631118.582	5.418	99.984335	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	1484124.045	3.575	99.294029	ug/L
Cr	53	178249.974	0.425	98.179949	ug/L
Co	59	1879989.085	4.103	99.880580	ug/L
Cu	63	833405.226	2.033	100.185540	ug/L
Cu	65	389802.749	0.952	99.373891	ug/L
Zn	66	253751.984	0.619	101.161678	ug/L
Zn	66	208083.378	0.489	100.463083	ug/L
Ga	72	408382.589	408382.589		ug/L
Se	77	27580.642	0.087	99.663380	ug/L
Se	82	38081.401	0.083	99.038984	ug/L
Rh	103	289874.517	289874.517		ug/L
Ag	107	1580342.161	5.458	100.708388	ug/L

Sample ID: 0B09047-CAL8
Report Date/Time: Tuesday, February 09, 2010 18:41:44
Page 2

Quantitative Analysis Calibration Report

File Name:
File Path:
Calibration Type: External Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Cr	51.941	Linear Thru Zero	0.04	0.00	0.999876
Cr	52.941	Linear Thru Zero	0.00	0.00	0.999938
Co	58.933	Linear Thru Zero	0.04	0.00	0.999950
Cu	62.930	Linear Thru Zero	0.02	0.00	0.999938
Cu	64.928	Linear Thru Zero	0.01	0.00	0.999954
Zn	65.926	Linear Thru Zero	0.01	0.00	0.999923
Zn	67.925	Linear Thru Zero	0.00	0.00	0.999952
Ge	71.922	Linear Thru Zero	0.00	0.00	0.000000
Se	76.920	Linear Thru Zero	0.00	0.00	0.999966
Se	81.917	Linear Thru Zero	0.00	0.00	0.999938
Rh	102.905	Linear Thru Zero	0.00	0.00	0.000000
Ag	106.905	Linear Thru Zero	0.05	0.00	0.999959

Method Equation

Analyte	Mass	Corrections
Se	81.917	-1.007833 *Kr 83

00284

Sample Information

Sample ID: 0B09047-SCV
Autosampler Position: 2
Sample Date/Time: Tuesday, February 09, 2010 18:44:25
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\0B09047-SCV.010
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	597723.857	1.426	39.599177	0.373	0.941	ug/L
	Cr	53	73284.905	0.171	39.442482	0.536	1.359	ug/L
	Co	59	680432.023	1.680	40.411092	0.816	2.018	ug/L
	Cu	63	329990.156	0.814	40.124476	0.356	0.888	ug/L
	Cu	65	157047.988	0.387	40.436876	0.585	1.446	ug/L
	Zn	66	99581.280	0.245	40.053878	0.688	1.717	ug/L
	Zn	68	82168.963	0.198	39.961198	0.620	1.553	ug/L
>	Ge	72	404967.341	404967.341				ug/L
	Se	77	10858.847	0.026	39.198733	0.614	1.565	ug/L
	Se	82	15132.188	0.037	39.221184	0.791	2.018	ug/L
>	Rh	103	288277.483	288277.483				ug/L
	Ag	107	642572.173	2.229	41.149275	0.531	1.290	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.618
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.810
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	598677.622	1.427	39.622732	ug/L
Cr	53	73632.808	0.171	39.583408	ug/L
Co	59	680045.586	1.642	39.503027	ug/L
Cu	63	332920.178	0.820	40.428886	ug/L
Cu	65	158008.480	0.388	40.632834	ug/L
Zn	66	99248.728	0.242	39.464588	ug/L
Zn	68	81323.888	0.196	39.480384	ug/L
Ge	72	405501.511	405501.511		ug/L
Se	77	10724.003	0.026	38.646618	ug/L
Se	82	15048.783	0.037	39.043091	ug/L
Rh	103	286118.844	286118.844		ug/L
Ag	107	643808.713	2.234	41.246448	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	596884.566	1.439	39.556536	ug/L

00285

	Cr	53	73586.218	0.173	39.883884	ug/L
	Co	59	697142.756	1.709	41.091085	ug/L
	Cu	63	324582.018	0.809	39.732738	ug/L
	Cu	65	153481.657	0.381	39.778321	ug/L
	Zn	66	96308.773	0.244	39.897508	ug/L
	Zn	68	83029.409	0.202	40.883021	ug/L
	Ge	72	402277.738	402277.738		ug/L
	Se	77	10756.048	0.026	39.085794	ug/L
	Se	82	15372.487	0.038	40.114116	ug/L
	Rh	103	280912.348	280912.348		ug/L
	Ag	107	638793.853	2.186	40.573918	ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Cr	52	565299.351	1.412	39.215262	ug/L
Cr	53	72633.891	0.186	38.880173	ug/L
Co	59	698107.719	1.680	40.649183	ug/L
Cu	63	332456.271	0.816	40.211808	ug/L
Cu	65	156878.647	0.392	40.886873	ug/L
Zn	66	101980.339	0.259	40.609640	ug/L
Zn	68	82153.788	0.197	39.735181	ug/L
Ge	72	407122.776	407122.776		ug/L
Se	77	11098.484	0.027	39.980880	ug/L
Se	82	14977.314	0.038	38.606348	ug/L
Rh	103	288101.181	288101.181		ug/L
Ag	107	645112.953	2.256	41.623457	ug/L

Sample Information

Sample ID: 0B09047-CCB
Autosampler Position: 1
Sample Date/Time: Tuesday, February 09, 2010 18:47:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\0B09047-CCB.011
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	18897.928	-0.003	-0.081265	0.022	26.736	ug/L
	Cr	53	4266.134	0.001	0.133857	0.016	11.936	ug/L
	Co	59	121.669	0.000	0.002256	0.001	32.556	ug/L
	Cu	63	378.679	0.000	0.006921	0.005	67.380	ug/L
	Cu	65	174.004	0.000	0.005655	0.003	47.138	ug/L
	Zn	66	329.343	0.000	0.007400	0.006	75.562	ug/L
	Zn	68	1837.554	0.000	0.023005	0.020	88.662	ug/L
>	Ge	72	398831.393	398831.393				ug/L
	Se	77	264.340	0.000	0.071757	0.029	40.519	ug/L
	Se	82	134.394	0.000	0.049619	0.076	152.555	ug/L
>	Rh	103	284929.249	284929.249				ug/L
	Ag	107	245.339	0.001	0.014730	0.001	8.187	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.048
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.639
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	19136.136	-0.003	-0.079888	ug/L
Cr	53	4329.166	0.001	0.141613	ug/L
Co	59	116.003	0.000	0.001635	ug/L
Cu	63	383.013	0.000	0.006163	ug/L
Cu	65	184.004	0.000	0.007765	ug/L
Zn	66	348.011	0.000	0.012747	ug/L
Zn	68	1848.224	0.000	0.019148	ug/L
Ge	72	403078.056	403078.056		ug/L
Se	77	269.007	0.000	0.067317	ug/L
Se	82	129.242	0.000	0.023844	ug/L
Rh	103	286234.831	286234.831		ug/L
Ag	107	269.007	0.001	0.016123	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	18822.972	-0.004	-0.104081	ug/L

00287

I	Cr	53	4248.124	0.001	0.115483	ug/L
I	Co	59	115.002	0.000	0.001639	ug/L
I	Cu	63	338.019	0.000	0.001783	ug/L
I	Cu	65	163.003	0.000	0.002659	ug/L
I	Zn	66	316.009	0.000	0.001582	ug/L
I	Zn	68	1868.232	0.000	0.048088	ug/L
I	Ge	72	398930.886	398930.886		ug/L
I	Se	77	258.007	0.000	0.048157	ug/L
I	Se	82	112.480	-0.000	-0.008801	ug/L
I	Rh	103	280864.218	280864.218		ug/L
I	Ag	107	231.006	0.001	0.014036	ug/L

Repeat 3

Analyte	Mass	Mean Intensity	Net Intensity	Concentration	Report Unit
Cr	52	16935.876	-0.002	-0.080823	ug/L
Cr	53	4237.114	0.001	0.144477	ug/L
Co	59	134.002	0.000	0.003104	ug/L
Cu	63	409.014	0.000	0.010836	ug/L
Cu	65	179.004	0.000	0.008540	ug/L
Zn	66	328.010	0.000	0.007881	ug/L
Zn	68	1777.207	0.000	0.004613	ug/L
Ge	72	383468.424	383468.424		ug/L
Se	77	269.007	0.000	0.102797	ug/L
Se	82	164.480	0.000	0.134812	ug/L
Rh	103	287988.888	287988.888		ug/L
Ag	107	237.008	0.001	0.014030	ug/L

D2

00288

Sample Information

Sample ID: 0B09047-CRL1
Autosampler Position: 3
Sample Date/Time: Tuesday, February 09, 2010 18:50:25
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\0B09047-CRL1.012
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	22068.748	0.005	0.136817	0.031	22.920	ug/L
	Cr	53	4596.981	0.001	0.320807	0.046	14.423	ug/L
	Co	59	3400.728	0.008	0.199668	0.003	1.357	ug/L
	Cu	63	1963.584	0.004	0.202378	0.001	0.290	ug/L
	Cu	65	938.396	0.002	0.205293	0.008	4.074	ug/L
	Zn	66	825.049	0.001	0.209984	0.013	5.961	ug/L
	Zn	68	2162.636	0.001	0.185400	0.014	7.541	ug/L
>	Ge	72	399494.941	399494.941				ug/L
	Se	77	290.341	0.000	0.167378	0.026	15.563	ug/L
	Se	82	201.423	0.000	0.225971	0.088	39.129	ug/L
>	Rh	103	287127.650	287127.650				ug/L
	Ag	107	3112.946	0.011	0.198965	0.004	2.078	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.217
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.408
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	22624.897	0.008	0.168788	ug/L
Cr	53	4708.378	0.002	0.374133	ug/L
Co	59	3364.721	0.008	0.197858	ug/L
Cu	63	1970.253	0.004	0.202308	ug/L
Cu	65	972.086	0.002	0.213188	ug/L
Zn	66	794.049	0.001	0.188080	ug/L
Zn	68	2180.310	0.001	0.186332	ug/L
Ge	72	400868.753	400868.753		ug/L
Se	77	288.008	0.000	0.147151	ug/L
Se	82	181.583	0.000	0.171662	ug/L
Rh	103	287081.399	287081.399		ug/L
Ag	107	3079.800	0.011	0.196878	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	22024.299	0.008	0.133293	ug/L

00289

Cr	53	4547.268	0.001	0.291308	ug/L
Co	59	3453.780	0.008	0.202791	ug/L
Cu	63	1999.252	0.004	0.202897	ug/L
Cu	65	908.086	0.002	0.196511	ug/L
Zn	66	834.080	0.001	0.213521	ug/L
Zn	68	2179.308	0.001	0.191488	ug/L
Ge	72	389828.710	389828.710		ug/L
Se	77	289.008	0.000	0.158213	ug/L
Se	82	140.934	0.000	0.337988	ug/L
Rh	103	2858858.080	2858858.080		ug/L
Ag	107	3087.981	0.011	0.196280	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Units
Cr	52	21557.082	0.004	0.107370	ug/L
Cr	53	4537.280	0.001	0.298883	ug/L
Co	59	3383.712	0.008	0.198256	ug/L
Cu	63	1961.248	0.004	0.201826	ug/L
Cu	65	836.082	0.002	0.208203	ug/L
Zn	66	847.052	0.001	0.220382	ug/L
Zn	68	2122.291	0.001	0.188413	ug/L
Ge	72	387888.388	387888.388		ug/L
Se	77	297.008	0.000	0.198772	ug/L
Se	82	182.883	0.000	0.176232	ug/L
Rh	103	2864462.532	2864462.532		ug/L
Ag	107	3201.847	0.011	0.203737	ug/L

Sample Information

Sample ID: 0B09047-CRL2
Autosampler Position: 4
Sample Date/Time: Tuesday, February 09, 2010 18:52:57
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\0B09047-CRL2.013
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	33596.604	0.035	0.976719	0.044	4.535	ug/L
	Cr	53	5915.825	0.005	1.139122	0.028	2.483	ug/L
	Co	59	16767.358	0.042	1.021068	0.025	2.408	ug/L
	Cu	63	8544.798	0.021	1.031795	0.024	2.282	ug/L
	Cu	65	4010.339	0.010	1.025336	0.045	4.428	ug/L
	Zn	66	2636.444	0.006	0.968788	0.045	4.605	ug/L
	Zn	68	3732.873	0.005	1.007844	0.008	0.749	ug/L
>	Ge	72	393052.326	393052.326				ug/L
	Se	77	511.021	0.001	1.024877	0.088	8.580	ug/L
	Se	82	454.447	0.001	0.915765	0.034	3.730	ug/L
>	Rh	103	282289.488	282289.488				ug/L
	Ag	107	15375.993	0.054	1.004476	0.018	1.805	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.569
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.716
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	33787.736	0.036	0.971139	ug/L
Cr	53	5824.184	0.005	1.115183	ug/L
Co	59	16814.712	0.042	1.003270	ug/L
Cu	63	8408.324	0.020	1.005859	ug/L
Cu	65	3945.926	0.009	0.973016	ug/L
Zn	66	2542.413	0.006	0.920748	ug/L
Zn	68	3780.665	0.005	1.016481	ug/L
Ge	72	386328.448	386328.448		ug/L
Se	77	538.023	0.001	1.111083	ug/L
Se	82	446.736	0.001	0.884977	ug/L
Rh	103	286188.108	286188.108		ug/L
Ag	107	15278.141	0.053	0.984197	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	32920.228	0.034	0.935481	ug/L

00291

I	Cr	53	5652.184	0.006	1.170343	ug/L
I	Co	59	17177.658	0.044	1.049123	ug/L
I	Cu	63	6588.489	0.021	1.037710	ug/L
I	Cu	65	4087.043	0.010	1.048574	ug/L
I	Zn	66	2648.447	0.008	0.876886	ug/L
I	Zn	68	3711.884	0.008	1.002527	ug/L
I>	Ge	72	391938.837	391938.837		ug/L
I	Se	77	488.019	0.001	0.835288	ug/L
I	Se	82	488.811	0.001	0.852503	ug/L
I>	Rh	103	280839.003	280839.003		ug/L
I	Ag	107	15510.576	0.006	1.019105	ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
I	Cr	52	34071.861	0.037	1.023538	ug/L
I	Cr	53	5871.128	0.008	1.131830	ug/L
I	Co	59	16909.603	0.042	1.010811	ug/L
I	Cu	63	6857.581	0.021	1.051621	ug/L
I	Cu	65	4088.046	0.010	1.054418	ug/L
I	Zn	66	2718.471	0.008	1.008818	ug/L
I	Zn	68	3705.891	0.008	1.004526	ug/L
I>	Ge	72	380883.596	380883.596		ug/L
I	Se	77	509.021	0.001	1.026282	ug/L
I	Se	82	449.793	0.001	0.808818	ug/L
I>	Rh	103	280040.306	280040.306		ug/L
I	Ag	107	15341.282	0.006	1.010128	ug/L

00292

Sample Information

Sample ID: 0B09047-IFA1
Autosampler Position: 10
Sample Date/Time: Tuesday, February 09, 2010 18:55:28
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\0B09047-IFA1.014
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	19271.451	-0.003	-0.081327	0.013	16.563	ug/L
	Cr	53	6636.709	0.006	1.431042	0.026	1.836	ug/L
	Co	59	241.339	0.000	0.009180	0.001	6.691	ug/L
	Cu	63	2477.393	0.005	0.260398	0.012	4.703	ug/L
	Cu	65	1270.776	0.003	0.286237	0.002	0.873	ug/L
	Zn	66	4414.547	0.010	1.646672	0.059	3.559	ug/L
	Zn	68	4230.783	0.006	1.189862	0.020	1.678	ug/L
>	Ge	72	406747.106	406747.106				ug/L
	Se	77	554.691	0.001	1.120720	0.088	7.814	ug/L
	Se	82	91.094	-0.000	-0.070150	0.030	43.360	ug/L
>	Rh	103	270922.883	270922.883				ug/L
	Ag	107	243.006	0.001	0.015399	0.001	7.949	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	104.073
	Se	76.920	
	Se	81.917	
>	Rh	102.905	94.741
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	18363.884	-0.003	-0.085271	ug/L
Cr	53	6740.793	0.006	1.461088	ug/L
Co	59	255.008	0.000	0.009877	ug/L
Cu	63	2562.420	0.005	0.269258	ug/L
Cu	65	1288.112	0.003	0.286151	ug/L
Zn	66	4367.188	0.010	1.613808	ug/L
Zn	68	4246.123	0.006	1.181071	ug/L
Ge	72	408675.868	408675.868		ug/L
Se	77	578.028	0.001	1.188847	ug/L
Se	82	81.379	-0.000	-0.087328	ug/L
Rh	103	270184.122	270184.122		ug/L
Ag	107	258.007	0.001	0.016536	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	19122.108	-0.002	-0.089325	ug/L

00293

	Cr	53	6477.581	0.008	1.412248	ug/L
	Co	59	229.005	0.000	0.008718	ug/L
	Cu	63	2481.384	0.005	0.268647	ug/L
	Cu	65	1250.108	0.003	0.287149	ug/L
	Zn	66	4497.256	0.010	1.714329	ug/L
	Zn	68	4122.080	0.005	1.175802	ug/L
	Ge	72	398001.708	398001.708		ug/L
	Se	77	552.024	0.001	1.148847	ug/L
	Se	82	101.888	-0.000	-0.037284	ug/L
	Rh	103	270804.917	270804.917		ug/L
	Ag	107	245.006	0.001	0.013556	ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Cr	52	18328.583	-0.005	-0.092366	ug/L
Cr	53	6891.793	0.008	1.419814	ug/L
Co	59	240.008	0.000	0.008948	ug/L
Cu	63	2369.388	0.005	0.248288	ug/L
Cu	65	1274.110	0.003	0.283412	ug/L
Zn	66	4379.194	0.010	1.812079	ug/L
Zn	68	4329.168	0.005	1.212714	ug/L
Ge	72	411363.688	411363.688		ug/L
Se	77	534.023	0.001	1.022265	ug/L
Se	82	90.037	-0.000	-0.079828	ug/L
Rh	103	272089.809	272089.809		ug/L
Ag	107	225.005	0.001	0.014103	ug/L

00294

Sample Information

Sample ID: 0B09047-IFB1

Autosampler Position: 11

Sample Date/Time: Tuesday, February 09, 2010 18:58:57

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Number of Replicates: 3

Sample File: C:\Elandata\Sample\0B09047.sam

Method File: c:\elandata\Method\Aqueous_6020A_201.mth

Dataset File: C:\Elandata\DataSet\0B09047\0B09047-IFB1.015

Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun

Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	320189.870	0.729	20.236537	0.318	1.572	ug/L
	Cr	53	42406.723	0.093	21.479314	0.211	0.983	ug/L
	Co	59	345417.352	0.840	20.206895	0.393	1.945	ug/L
	Cu	63	161552.881	0.392	19.332196	0.139	0.720	ug/L
	Cu	65	77730.975	0.189	19.698269	0.254	1.292	ug/L
	Zn	66	53997.928	0.131	21.338570	0.240	1.126	ug/L
	Zn	68	44175.942	0.103	20.739668	0.635	3.062	ug/L
>	Ge	72	411070.779	411070.779				ug/L
	Se	77	5867.124	0.014	20.435941	0.434	2.123	ug/L
	Se	82	7443.166	0.018	18.846441	0.438	2.322	ug/L
>	Rh	103	272191.758	272191.758				ug/L
	Ag	107	295999.409	1.087	20.073910	0.161	0.801	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	105.179
	Se	76.920	
	Se	81.917	
>	Rh	102.905	95.185
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	323837.480	0.735	20.404802	ug/L
Cr	53	42715.824	0.093	21.569876	ug/L
Co	59	343471.911	0.832	20.020825	ug/L
Cu	63	160863.761	0.388	19.182488	ug/L
Cu	65	76964.545	0.188	19.433054	ug/L
Zn	66	53524.878	0.129	21.073691	ug/L
Zn	68	43842.273	0.089	20.008618	ug/L
Ge	72	412551.269	412551.269		ug/L
Se	77	5761.082	0.013	20.048458	ug/L
Se	82	7280.351	0.017	18.356366	ug/L
Rh	103	270515.246	270515.246		ug/L
Ag	107	292776.164	1.082	19.976038	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	314147.871	0.715	19.668637	ug/L

00295

I	Cr	53	41888.473	0.082	21.238400	ug/L
I	Co	59	340231.849	0.629	19.941833	ug/L
I	Cu	63	161445.474	0.383	19.358457	ug/L
I	Cu	65	77674.080	0.189	19.721465	ug/L
I	Zn	66	54046.348	0.131	21.386818	ug/L
I	Zn	66	44868.387	0.105	21.163270	ug/L
I	Ge	72	410278.041	410278.041		ug/L
I	Se	77	5884.208	0.014	20.803468	ug/L
I	Se	82	7478.452	0.018	18.873555	ug/L
I	Rh	103	274879.677	274879.677		ug/L
I	Ag	107	297980.311	1.083	19.884139	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
I	Cr	52	322584.248	0.738	20.436173	ug/L
I	Cr	53	42808.074	0.094	21.632884	ug/L
I	Co	59	352548.388	0.650	20.658428	ug/L
I	Cu	63	163329.407	0.386	19.457668	ug/L
I	Cu	65	78554.292	0.191	19.940288	ug/L
I	Zn	66	54420.691	0.132	21.542402	ug/L
I	Zn	66	44728.187	0.108	21.048118	ug/L
I	Ge	72	410383.027	410383.027		ug/L
I	Se	77	5838.101	0.014	20.357900	ug/L
I	Se	82	7570.894	0.018	19.206381	ug/L
I	Rh	103	271180.353	271180.353		ug/L
I	Ag	107	297631.753	1.097	20.258872	ug/L

Sample Information

Sample ID: 0B09047-CCV
Autosampler Position: 2
Sample Date/Time: Tuesday, February 09, 2010 19:02:27
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\0B09047-CCV.016
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	632672.503	1.500	41.670507	1.115	2.675	ug/L
	Cr	53	77194.015	0.179	41.338436	0.692	1.673	ug/L
	Co	59	707466.032	1.734	41.697836	0.120	0.287	ug/L
	Cu	63	335747.759	0.822	40.517492	0.102	0.253	ug/L
	Cu	65	160009.516	0.392	40.892194	0.428	1.046	ug/L
	Zn	66	102542.093	0.251	40.938160	0.486	1.188	ug/L
	Zn	68	84279.622	0.202	40.690056	0.479	1.178	ug/L
>	Ge	72	408054.266	408054.266				ug/L
	Se	77	11139.557	0.027	39.921732	1.068	2.676	ug/L
	Se	82	15276.655	0.037	39.290121	0.950	2.419	ug/L
>	Rh	103	286544.445	286544.445				ug/L
	Ag	107	635266.285	2.218	40.938531	0.872	2.131	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	104.407
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.204
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	647382.228	1.547	42.664828	ug/L
Cr	53	78082.888	0.182	42.128838	ug/L
Co	59	704488.803	1.737	41.791383	ug/L
Cu	63	333866.887	0.823	40.565294	ug/L
Cu	65	160883.955	0.396	41.386124	ug/L
Zn	66	102410.449	0.252	41.151697	ug/L
Zn	68	82958.709	0.200	40.308810	ug/L
Ge	72	405411.275	405411.275		ug/L
Se	77	10776.071	0.026	38.650469	ug/L
Se	82	14761.558	0.036	38.207692	ug/L
Rh	103	281988.478	281988.478		ug/L
Ag	107	633784.132	2.247	41.486798	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	627253.648	1.480	41.100304	ug/L

99297

I	Cr	53	77052.352	0.178	41.054431	ug/L
I	Co	59	708457.622	1.728	41.582949	ug/L
I	Cu	63	336343.891	0.820	40.401837	ug/L
I	Cu	65	158885.030	0.389	40.618834	ug/L
I	Zn	66	101824.912	0.247	40.361711	ug/L
I	Zn	68	85781.900	0.205	41.227831	ug/L
I>	Ge	72	408949.394	408949.394		ug/L
I	Se	77	11482.030	0.027	40.986891	ug/L
L	Se	82	15486.173	0.036	39.574344	ug/L
I>	Rh	103	294380.231	294380.231		ug/L
L	Ag	107	638921.091	2.183	39.832649	ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Repeat Unit
I	Cr	52	623361.636	1.475	40.866280	ug/L
I	Cr	53	76446.807	0.177	40.634037	ug/L
I	Co	59	708473.870	1.738	41.738198	ug/L
I	Cu	63	337013.939	0.824	40.566864	ug/L
I	Cu	65	158449.574	0.380	40.872823	ug/L
I	Zn	66	100580.917	0.253	41.281073	ug/L
I	Zn	68	84118.288	0.201	40.535927	ug/L
I>	Ge	72	408803.129	408803.129		ug/L
I	Se	77	11160.580	0.027	39.927819	ug/L
L	Se	82	15573.238	0.038	39.986338	ug/L
I>	Rh	103	283283.827	283283.827		ug/L
L	Ag	107	636193.831	2.242	41.393888	ug/L

Dr

Sample Information

Sample ID: 0B09047-CCB
Autosampler Position: 1
Sample Date/Time: Tuesday, February 09, 2010 19:05:57
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\0B09047-CCB.017
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	17193.892	-0.007	-0.200124	0.012	6.170	ug/L
	Cr	53	4341.174	0.001	0.177196	0.067	37.858	ug/L
	Co	59	107.002	0.000	0.001367	0.001	81.176	ug/L
	Cu	63	367.345	0.000	0.005490	0.003	60.566	ug/L
	Cu	65	175.337	0.000	0.006013	0.004	67.394	ug/L
	Zn	66	348.677	0.000	0.015340	0.008	52.024	ug/L
	Zn	68	1856.225	0.000	0.032442	0.007	21.134	ug/L
>	Ge	72	398872.570	398872.570				ug/L
	Se	77	261.673	0.000	0.061648	0.062	99.944	ug/L
	Se	82	109.159	-0.000	-0.018187	0.096	529.494	ug/L
>	Rh	103	283117.683	283117.683				ug/L
	Ag	107	192.671	0.001	0.011418	0.002	18.955	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.058
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.006
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B09047-CCB	Cr	52	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	17082.682	-0.007	-0.207654	ug/L
Cr	53	4407.208	0.001	0.214281	ug/L
Co	59	98.001	0.000	0.000217	ug/L
Cu	63	348.011	0.000	0.003093	ug/L
Cu	65	169.003	0.000	0.004328	ug/L
Zn	66	362.011	0.000	0.020728	ug/L
Zn	68	1867.228	0.000	0.037628	ug/L
Ge	72	398021.827	398021.827		ug/L
Se	77	272.007	0.000	0.068606	ug/L
Se	82	124.871	0.000	0.023148	ug/L
Rh	103	280188.482	280188.482		ug/L
Ag	107	227.005	0.001	0.013788	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	17304.120	-0.007	-0.185873	ug/L
Cr	53	4367.198	0.001	0.217988	ug/L
Co	59	124.002	0.000	0.002431	ug/L
Cu	63	354.011	0.000	0.004091	ug/L
Cu	65	182.004	0.000	0.010837	ug/L
Zn	66	398.011	0.000	0.019134	ug/L
Zn	66	1851.234	0.000	0.030029	ug/L
Ge	72	399865.397	399865.397		ug/L
Se	77	299.007	0.000	0.094820	ug/L
Se	82	97.166	-0.000	-0.126291	ug/L
Rh	103	281728.878	281728.878		ug/L
Ag	107	184.004	0.001	0.010888	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	17184.873	-0.007	-0.208644	ug/L
Cr	53	4229.115	0.000	0.089788	ug/L
Co	59	108.002	0.000	0.001452	ug/L
Cu	63	400.014	0.000	0.008288	ug/L
Cu	65	165.003	0.000	0.003077	ug/L
Zn	66	328.010	0.000	0.008172	ug/L
Zn	66	1850.234	0.000	0.024888	ug/L
Ge	72	400800.886	400800.886		ug/L
Se	77	244.008	-0.000	-0.008431	ug/L
Se	82	135.841	0.000	0.080543	ug/L
Rh	103	287457.879	287457.879		ug/L
Ag	107	167.003	0.001	0.008563	ug/L

Sample Information

Sample ID: 1000901-BLK1
Autosampler Position: 17
Sample Date/Time: Tuesday, February 09, 2010 19:08:28
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\1000901-BLK1.018
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	19232.364	-0.003	-0.085598	0.026	30.607	ug/L
	Cr	53	4321.497	0.000	0.114507	0.043	37.602	ug/L
	Co	59	84.335	-0.000	-0.000108	0.001	922.410	ug/L
	Cu	63	741.707	0.001	0.049880	0.002	3.651	ug/L
	Cu	65	321.676	0.000	0.042592	0.007	16.368	ug/L
	Zn	66	3019.578	0.007	1.084027	0.054	5.024	ug/L
	Zn	68	3926.631	0.005	1.037056	0.041	3.952	ug/L
>	Ge	72	407214.581	407214.581				ug/L
	Se	77	263.007	0.000	0.046444	0.071	152.902	ug/L
	Se	82	132.060	0.000	0.035688	0.091	255.229	ug/L
>	Rh	103	290393.402	290393.402				ug/L
	Ag	107	122.002	0.000	0.006592	0.000	6.594	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	104.193
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.550
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	19400.751	-0.002	-0.089723	ug/L
Cr	53	4383.188	0.001	0.163334	ug/L
Co	59	75.001	-0.000	-0.000833	ug/L
Cu	63	727.039	0.001	0.048803	ug/L
Cu	65	348.011	0.000	0.050080	ug/L
Zn	66	2847.518	0.008	1.021581	ug/L
Zn	68	3610.909	0.005	0.980554	ug/L
Ge	72	404837.028	404837.028		ug/L
Se	77	279.007	0.000	0.110821	ug/L
Se	82	130.532	0.000	0.033628	ug/L
Rh	103	287158.827	287158.827		ug/L
Ag	107	123.002	0.000	0.008745	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	19448.883	-0.003	-0.074581	ug/L

00391

Cr	53	4276.140	0.000	0.061938	ug/L
Co	59	104.002	0.000	0.001039	ug/L
Cu	63	737.040	0.001	0.049071	ug/L
Cu	65	318.009	0.000	0.041408	ug/L
Zn	66	3121.816	0.007	1.121676	ug/L
Zn	68	3968.985	0.005	1.052882	ug/L
Ge	72	408348.538	408348.538		ug/L
Se	77	267.007	0.000	0.058342	ug/L
Se	82	167.980	0.000	0.127788	ug/L
Rh	103	294298.344	294298.344		ug/L
Ag	107	129.002	0.000	0.008938	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	18847.478	-0.004	-0.115009	ug/L
Cr	53	4305.158	0.000	0.088280	ug/L
Co	59	74.001	-0.000	-0.000729	ug/L
Cu	63	761.042	0.001	0.051988	ug/L
Cu	65	298.008	0.000	0.038280	ug/L
Zn	66	3089.804	0.007	1.108834	ug/L
Zn	68	4000.000	0.006	1.067922	ug/L
Ge	72	408380.181	408380.181		ug/L
Se	77	243.008	-0.000	-0.029730	ug/L
Se	82	87.670	-0.000	-0.054361	ug/L
Rh	103	289725.235	289725.235		ug/L
Ag	107	114.002	0.000	0.008102	ug/L

Sample ID: 1000901-BLK1
Report Date/Time: Tuesday, February 09, 2010 19:09:18
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00302

Sample Information

Sample ID: 1000901-BS1
Autosampler Position: 18
Sample Date/Time: Tuesday, February 09, 2010 19:11:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\1000901-BS1.019
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	298303.231	0.682	18.929537	0.118	0.621	ug/L
	Cr	53	37871.245	0.083	19.122337	0.680	3.557	ug/L
	Co	59	316453.558	0.776	18.673623	0.344	1.840	ug/L
	Cu	63	154937.212	0.379	18.704931	0.658	3.516	ug/L
	Cu	65	73346.433	0.180	18.747332	0.335	1.787	ug/L
	Zn	66	46920.526	0.114	18.689049	0.443	2.370	ug/L
	Zn	68	39538.648	0.093	18.639025	0.610	3.274	ug/L
>	Ge	72	407605.041	407605.041				ug/L
	Se	77	4883.480	0.011	17.017428	0.859	5.047	ug/L
	Se	82	6511.071	0.016	16.601392	0.880	5.303	ug/L
>	Rh	103	289184.163	289184.163				ug/L
	Ag	107	285072.200	0.986	18.200148	0.344	1.893	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	104.292
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.127
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	303637.780	0.679	18.863801	ug/L
Cr	53	37333.814	0.080	18.370448	ug/L
Co	59	316397.662	0.780	18.278798	ug/L
Cu	63	153746.848	0.388	18.167135	ug/L
Cu	65	73485.403	0.176	18.390710	ug/L
Zn	66	46853.888	0.111	18.188427	ug/L
Zn	68	38956.227	0.089	17.943728	ug/L
Ge	72	416236.917	416236.917		ug/L
Se	77	4765.410	0.011	16.208828	ug/L
Se	82	6283.657	0.015	15.681252	ug/L
Rh	103	288181.884	288181.884		ug/L
Ag	107	281227.353	0.963	18.139352	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	291608.254	0.679	18.669456	ug/L

00303

Cr	53	38158.538	0.085	19.884809	ug/L
Co	59	314333.888	0.788	18.904711	ug/L
Cu	63	157987.298	0.394	19.438056	ug/L
Cu	65	73148.349	0.183	19.058881	ug/L
Zn	66	46874.933	0.116	19.030240	ug/L
Zn	68	38987.878	0.085	19.085805	ug/L
Ge	72	398633.178	398633.178		ug/L
Se	77	5034.571	0.012	17.919804	ug/L
Se	82	6885.703	0.018	17.408436	ug/L
Rh	103	295795.044	295795.044		ug/L
Ag	107	288880.878	0.889	17.880122	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	298883.881	0.686	19.085281	ug/L
Cr	53	38123.385	0.084	19.301887	ug/L
Co	59	318829.338	0.783	18.837367	ug/L
Cu	63	153087.503	0.376	18.508802	ug/L
Cu	65	73387.546	0.180	18.786808	ug/L
Zn	66	47232.950	0.115	18.848478	ug/L
Zn	68	38973.040	0.084	18.887446	ug/L
Ge	72	408746.027	408746.027		ug/L
Se	77	4850.480	0.011	18.922451	ug/L
Se	82	8553.854	0.018	18.736489	ug/L
Rh	103	285675.582	285675.582		ug/L
Ag	107	287306.888	1.006	18.570871	ug/L

Sample ID: 1000901-BS1
Report Date/Time: Tuesday, February 09, 2010 19:11:51
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00304

Sample Information

Sample ID: 1002004-01
Autosampler Position: 19
Sample Date/Time: Tuesday, February 09, 2010 19:14:34
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\1002004-01.020
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	26335.154	0.014	0.397189	0.018	4.483	ug/L
	Cr	53	5215.684	0.003	0.618822	0.030	4.925	ug/L
	Co	59	1683.854	0.004	0.094307	0.004	3.956	ug/L
	Cu	63	8941.887	0.021	1.041813	0.039	3.715	ug/L
	Cu	65	4297.151	0.010	1.060600	0.029	2.761	ug/L
	Zn	66	8177.426	0.019	3.151336	0.032	1.008	ug/L
	Zn	68	8421.673	0.016	3.257841	0.155	4.748	ug/L
>	Ge	72	407555.115	407555.115				ug/L
	Se	77	296.008	0.000	0.165950	0.108	64.986	ug/L
	Se	82	126.171	0.000	0.020131	0.059	295.110	ug/L
>	Rh	103	284435.349	284435.349				ug/L
	Ag	107	248.340	0.001	0.014953	0.001	6.137	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	104.280
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.467
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	26902.824	0.015	0.418321	ug/L
Cr	53	5292.733	0.003	0.630314	ug/L
Co	59	1678.188	0.004	0.092894	ug/L
Cu	63	8867.582	0.020	0.887180	ug/L
Cu	65	4348.178	0.010	1.061801	ug/L
Zn	66	8205.119	0.019	3.127088	ug/L
Zn	68	8157.072	0.018	3.082843	ug/L
Ge	72	411972.887	411972.887		ug/L
Se	77	324.010	0.000	0.256858	ug/L
Se	82	136.158	0.000	0.042248	ug/L
Rh	103	285822.171	285822.171		ug/L
Ag	107	298.007	0.001	0.018012	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	25885.337	0.014	0.381101	ug/L

	Cr	53	5268.880	0.003	0.641888	ug/L
	Co	59	1740.188	0.004	0.098537	ug/L
	Cu	63	9033.984	0.022	1.082514	ug/L
	Cu	65	4143.077	0.010	1.030730	ug/L
	Zn	66	8075.892	0.018	3.139834	ug/L
	Zn	68	8588.807	0.017	3.376334	ug/L
	Ge	72	403801.956	403801.956		ug/L
	Se	77	281.007	0.000	0.048708	ug/L
	Se	82	142.306	0.000	0.065319	ug/L
	Rh	103	288085.826	288085.826		ug/L
	Ag	107	243.008	0.001	0.014408	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	26237.501	0.014	0.384149	ug/L
Cr	53	5144.639	0.003	0.564267	ug/L
Co	59	1633.178	0.004	0.081466	ug/L
Cu	63	9124.083	0.022	1.085788	ug/L
Cu	65	4400.205	0.010	1.089269	ug/L
Zn	66	8291.185	0.020	3.187257	ug/L
Zn	68	8521.449	0.018	3.314348	ug/L
Ge	72	408780.719	408780.719		ug/L
Se	77	303.009	0.000	0.194464	ug/L
Se	82	100.051	-0.000	-0.047164	ug/L
Rh	103	279298.048	279298.048		ug/L
Ag	107	238.008	0.001	0.014437	ug/L

00306

Sample Information

Sample ID: 1000901-MS1
Autosampler Position: 20
Sample Date/Time: Tuesday, February 09, 2010 19:17:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\1000901-MS1.021
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	330651.756	0.754	20.936019	0.115	0.547	ug/L
	Cr	53	41590.953	0.091	21.012893	0.118	0.563	ug/L
	Co	59	348437.425	0.847	20.376077	0.037	0.183	ug/L
	Cu	63	177320.474	0.430	21.215562	0.093	0.438	ug/L
	Cu	65	84094.689	0.204	21.307103	0.180	0.843	ug/L
	Zn	66	56640.451	0.137	22.380966	0.436	1.950	ug/L
	Zn	68	48054.640	0.112	22.631673	0.289	1.277	ug/L
>	Ge	72	411213.468	411213.468				ug/L
	Se	77	5316.082	0.012	18.421874	0.353	1.917	ug/L
	Se	82	6999.636	0.017	17.698818	0.322	1.820	ug/L
>	Rh	103	288919.488	288919.488				ug/L
	Ag	107	305254.219	1.057	19.504689	0.407	2.089	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	105.216
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.035
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	329008.288	0.749	20.804008	ug/L
Cr	53	41471.392	0.091	20.824138	ug/L
Co	59	348533.881	0.847	20.382816	ug/L
Cu	63	178008.857	0.432	21.277391	ug/L
Cu	65	84028.357	0.204	21.288313	ug/L
Zn	66	55425.258	0.134	21.877088	ug/L
Zn	68	47746.871	0.112	22.457888	ug/L
Ge	72	411602.004	411602.004		ug/L
Se	77	5237.886	0.012	18.119810	ug/L
Se	82	6878.289	0.016	17.384028	ug/L
Rh	103	291140.307	291140.307		ug/L
Ag	107	300851.328	1.033	19.081888	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	333844.088	0.756	21.008757	ug/L

99307

	Cr	53	42084.469	0.092	21.147264	ug/L
	Co	59	351367.027	0.848	20.416298	ug/L
	Cu	63	177548.344	0.428	21.108782	ug/L
	Cu	65	84005.124	0.203	21.149406	ug/L
	Zn	66	57655.335	0.139	22.636626	ug/L
	Zn	68	46033.514	0.112	22.472132	ug/L
	Ge	72	413816.788	413816.788		ug/L
	Se	77	5458.841	0.013	18.810058	ug/L
	Se	82	7054.918	0.017	17.728053	ug/L
	Rh	103	288942.751	288942.751		ug/L
	Ag	107	308914.874	1.081	19.887888	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	328102.818	0.798	20.884291	ug/L
Cr	53	41307.041	0.091	20.867277	ug/L
Co	59	348411.587	0.846	20.347318	ug/L
Cu	63	176405.330	0.431	21.260523	ug/L
Cu	65	84260.586	0.206	21.302592	ug/L
Zn	66	56840.760	0.138	22.625808	ug/L
Zn	68	46363.534	0.114	22.865222	ug/L
Ge	72	408221.833	408221.833		ug/L
Se	77	5263.708	0.012	18.339884	ug/L
Se	82	7067.710	0.017	18.008376	ug/L
Rh	103	286875.406	286875.406		ug/L
Ag	107	308498.469	1.076	19.864081	ug/L

00398

Sample Information

Sample ID: 1000901-MSD1
Autosampler Position: 21
Sample Date/Time: Tuesday, February 09, 2010 19:20:42
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\1000901-MSD1.022
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	325045.376	0.732	20.343522	0.350	1.721	ug/L
	Cr	53	41055.975	0.089	20.489111	0.166	0.812	ug/L
	Co	59	340071.903	0.819	19.694191	0.114	0.578	ug/L
	Cu	63	169393.182	0.407	20.068004	0.162	0.808	ug/L
	Cu	65	81447.271	0.196	20.435293	0.354	1.732	ug/L
	Zn	66	72421.734	0.174	28.375243	0.420	1.480	ug/L
	Zn	68	59639.612	0.139	28.024069	0.615	2.194	ug/L
>	Ge	72	415234.727	415234.727				ug/L
	Se	77	5130.298	0.012	17.568945	0.652	3.711	ug/L
	Se	82	6715.274	0.016	16.800938	0.376	2.239	ug/L
>	Rh	103	292351.523	292351.523				ug/L
	Ag	107	297968.399	1.019	18.815023	0.288	1.532	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	106.245
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.235
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	328058.847	0.735	20.413183	ug/L
Cr	53	41852.251	0.080	20.880828	ug/L
Co	59	340863.888	0.816	19.827413	ug/L
Cu	63	170204.284	0.407	20.042283	ug/L
Cu	65	80312.954	0.192	20.029811	ug/L
Zn	66	71934.858	0.171	28.010244	ug/L
Zn	68	58812.881	0.138	27.351310	ug/L
Ge	72	417785.702	417785.702		ug/L
Se	77	4961.538	0.011	16.921264	ug/L
Se	82	6808.088	0.016	16.424258	ug/L
Rh	103	293453.376	293453.376		ug/L
Ag	107	295028.871	1.005	18.558031	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	317038.331	0.719	19.963807	ug/L

00309

Cr	53	40570.926	0.099	20.384888	ug/L
Co	59	336488.647	0.816	19.828449	ug/L
Cu	63	166828.809	0.404	19.820258	ug/L
Cu	65	81648.838	0.198	20.834042	ug/L
Zn	66	73068.982	0.176	28.834251	ug/L
Zn	68	60304.009	0.143	28.557209	ug/L
Ge	73	412228.734	412228.734		ug/L
Se	77	8274.722	0.012	18.225184	ug/L
Se	82	6813.614	0.016	17.178474	ug/L
Rh	103	294020.688	294020.688		ug/L
Ag	107	298820.160	1.016	18.780288	ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Cr	52	330040.980	0.744	20.653488	ug/L
Cr	53	40844.750	0.099	20.401708	ug/L
Co	59	342735.388	0.834	19.825722	ug/L
Cu	63	171048.313	0.411	20.241504	ug/L
Cu	65	82382.025	0.198	20.848225	ug/L
Zn	66	72270.790	0.173	28.281234	ug/L
Zn	68	60001.836	0.140	28.183880	ug/L
Ge	73	415712.743	415712.743		ug/L
Se	77	5134.633	0.012	17.560367	ug/L
Se	82	6724.111	0.016	16.923091	ug/L
Rh	103	288580.325	288580.325		ug/L
Ag	107	300068.446	1.038	19.126771	ug/L

00319

Sample Information

Sample ID: 0B09047-SRD1
Autosampler Position: 22
Sample Date/Time: Tuesday, February 09, 2010 19:24:17
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\0B09047-SRD1.023
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	19196.950	-0.003	-0.093571	0.030	32.589	ug/L
	Cr	53	4560.961	0.001	0.239102	0.063	26.418	ug/L
	Co	59	420.682	0.001	0.019643	0.002	7.775	ug/L
	Cu	63	2059.608	0.004	0.208459	0.010	4.810	ug/L
	Cu	65	1010.071	0.002	0.217876	0.004	1.918	ug/L
	Zn	66	2128.627	0.004	0.723583	0.044	6.054	ug/L
	Zn	68	3381.386	0.004	0.760688	0.038	5.025	ug/L
>	Ge	72	409043.863	409043.863				ug/L
	Se	77	293.008	0.000	0.152212	0.044	29.144	ug/L
	Se	82	89.741	-0.000	-0.076457	0.088	115.402	ug/L
>	Rh	103	285797.439	285797.439				ug/L
	Ag	107	211.338	0.001	0.012486	0.001	6.442	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	104.661
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.943
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	19384.713	-0.004	-0.118813	ug/L
Cr	53	4623.328	0.001	0.199540	ug/L
Co	59	442.018	0.001	0.020188	ug/L
Cu	63	2024.289	0.004	0.197097	ug/L
Cu	65	1038.075	0.002	0.217479	ug/L
Zn	66	2083.276	0.004	0.673297	ug/L
Zn	68	3389.723	0.004	0.719878	ug/L
Ge	72	421018.506	421018.506		ug/L
Se	77	292.008	0.000	0.117843	ug/L
Se	82	122.887	0.000	0.001423	ug/L
Rh	103	287542.534	287542.534		ug/L
Ag	107	227.005	0.001	0.013412	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	19434.830	-0.002	-0.058813	ug/L

00311

	Cr	53	4627.331	0.001	0.311948	ug/L
	Co	59	386.013	0.001	0.017924	ug/L
	Cu	63	2085.284	0.004	0.216067	ug/L
	Cu	65	991.086	0.002	0.213911	ug/L
	Zn	66	2179.308	0.005	0.753456	ug/L
	Zn	68	3388.722	0.004	0.786815	ug/L
>	Ga	72	403482.409	403482.409		ug/L
	Se	77	285.008	0.000	0.136763	ug/L
	Se	82	94.919	-0.000	-0.056611	ug/L
>	Rh	103	285646.988	285646.988		ug/L
	Ag	107	202.008	0.001	0.011957	ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	18771.308	-0.004	-0.102486	ug/L
	Cr	53	4432.223	0.001	0.205817	ug/L
	Co	59	434.016	0.001	0.020841	ug/L
	Cu	63	2089.276	0.004	0.212214	ug/L
	Cu	65	1011.071	0.002	0.222238	ug/L
	Zn	66	2147.289	0.005	0.743897	ug/L
	Zn	68	3367.714	0.004	0.779771	ug/L
>	Ga	72	402819.673	402819.673		ug/L
	Se	77	302.008	0.000	0.202232	ug/L
	Se	82	51.408	-0.000	-0.172284	ug/L
>	Rh	103	284202.815	284202.815		ug/L
	Ag	107	204.008	0.001	0.012089	ug/L

Sample Information

Sample ID: 1000901-PS1
Autosampler Position: 23
Sample Date/Time: Tuesday, February 09, 2010 19:26:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\1000901-PS1.024
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	332337.699	0.754	20.940602	0.284	1.355	ug/L
	Cr	53	42230.489	0.092	21.256158	0.166	0.780	ug/L
	Co	59	356122.682	0.862	20.723018	0.059	0.286	ug/L
	Cu	63	177402.208	0.428	21.120954	0.206	0.974	ug/L
	Cu	65	84708.620	0.205	21.356411	0.372	1.744	ug/L
	Zn	66	56439.390	0.136	22.190155	0.161	0.723	ug/L
	Zn	68	47240.695	0.110	22.119447	0.547	2.474	ug/L
>	Ge	72	413253.975	413253.975				ug/L
	Se	77	5281.727	0.012	18.202982	0.416	2.284	ug/L
	Se	82	7031.982	0.017	17.691315	0.448	2.531	ug/L
>	Rh	103	287073.805	287073.805				ug/L
	Ag	107	306151.401	1.066	19.686758	0.255	1.296	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	105.738
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.389
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	334182.633	0.764	21.220136	ug/L
Cr	53	42220.103	0.093	21.413691	ug/L
Co	59	354708.234	0.864	20.784380	ug/L
Cu	63	178345.086	0.429	21.140451	ug/L
Cu	65	83195.050	0.202	21.120009	ug/L
Zn	66	55729.280	0.135	22.082803	ug/L
Zn	68	46704.981	0.109	22.015047	ug/L
Ge	72	410385.628	410385.628		ug/L
Se	77	5153.845	0.012	17.888138	ug/L
Se	82	6910.883	0.016	17.248913	ug/L
Rh	103	283552.188	283552.188		ug/L
Ag	107	305507.278	1.077	19.686283	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	331584.461	0.754	20.948880	ug/L

00313

	Cr	53	42145.727	0.092	21.271536	ug/L
	Co	59	354186.822	0.859	20.686084	ug/L
	Cu	63	178584.809	0.432	21.316280	ug/L
	Cu	65	86177.156	0.208	21.785730	ug/L
	Zn	66	58742.080	0.137	22.370478	ug/L
	Zn	68	46326.214	0.113	22.711289	ug/L
	Ge	72	412139.626	412139.626		ug/L
	Se	77	5388.800	0.012	16.666747	ug/L
	Se	82	7188.801	0.017	18.142282	ug/L
	Rh	103	286388.053	286388.053		ug/L
	Ag	107	303097.249	1.051	19.389788	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	331236.002	0.744	20.953008	ug/L
Cr	53	42325.637	0.091	21.083249	ug/L
Co	59	339470.891	0.881	20.718578	ug/L
Cu	63	177288.995	0.434	20.908133	ug/L
Cu	65	84783.854	0.203	21.163484	ug/L
Zn	66	56846.801	0.136	22.137182	ug/L
Zn	68	46866.891	0.107	21.632028	ug/L
Ge	72	417226.674	417226.674		ug/L
Se	77	5286.738	0.012	16.071083	ug/L
Se	82	7086.753	0.017	17.884740	ug/L
Rh	103	288280.163	288280.163		ug/L
Ag	107	309899.676	1.071	19.772201	ug/L

Sample Information

Sample ID: 1002004-02
Autosampler Position: 24
Sample Date/Time: Tuesday, February 09, 2010 19:30:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\1002004-02.025
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	31097.234	0.025	0.698994	0.011	1.638	ug/L
	Cr	53	5764.384	0.004	0.895548	0.109	12.198	ug/L
	Co	59	3415.401	0.008	0.194404	0.011	5.436	ug/L
	Cu	63	8243.825	0.019	0.946507	0.014	1.509	ug/L
	Cu	65	3888.279	0.009	0.945269	0.009	0.958	ug/L
	Zn	66	10793.764	0.025	4.153849	0.116	2.785	ug/L
	Zn	68	10719.998	0.022	4.335790	0.044	1.010	ug/L
>	Ge	72	412009.047	412009.047				ug/L
	Se	77	309.676	0.000	0.205003	0.066	32.192	ug/L
	Se	82	103.024	-0.000	-0.044197	0.139	314.858	ug/L
>	Rh	103	292690.185	292690.185				ug/L
	Ag	107	456.684	0.001	0.027641	0.001	3.931	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	105.419
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.353
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	31197.600	0.026	0.711466	ug/L
Cr	53	5848.110	0.004	0.950265	ug/L
Co	59	3556.784	0.008	0.203132	ug/L
Cu	63	8316.231	0.019	0.857775	ug/L
Cu	65	3908.908	0.009	0.953414	ug/L
Zn	66	10453.857	0.025	4.030049	ug/L
Zn	68	10879.848	0.022	4.330101	ug/L
Ge	72	410876.478	410876.478		ug/L
Se	77	285.008	0.000	0.154186	ug/L
Se	82	80.127	-0.000	-0.152552	ug/L
Rh	103	292970.831	292970.831		ug/L
Ag	107	477.018	0.002	0.028888	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	30558.231	0.025	0.686470	ug/L

00315

I	Cr	53	5788.574	0.004	0.[illegible]	ug/L
I	Co	59	3412.733	0.008	0.197425	ug/L
I	Cu	63	8151.088	0.018	0.951307	ug/L
I	Cu	65	3831.819	0.008	0.946876	ug/L
I	Zn	66	10861.208	0.026	4.259186	ug/L
I	Zn	66	10849.888	0.022	4.362147	ug/L
I	Ge	72	405344.123	405344.123		ug/L
I	Se	77	325.016	0.009	0.276591	ug/L
I	Se	82	82.223	-0.009	-0.092779	ug/L
I	Rh	103	295342.402	295342.402		ug/L
I	Ag	107	451.017	0.001	0.027028	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
I	Cr	52	31530.673	0.026	0.688016	ug/L
I	Cr	53	5646.988	0.003	0.788764	ug/L
I	Co	59	3278.677	0.008	0.192853	ug/L
I	Cu	63	6384.178	0.018	0.830441	ug/L
I	Cu	65	3022.882	0.008	0.835818	ug/L
I	Zn	66	11048.427	0.026	4.172348	ug/L
I	Zn	66	10839.183	0.021	4.288122	ug/L
I	Ge	72	419808.843	419808.843		ug/L
I	Se	77	309.009	0.000	0.181233	ug/L
I	Se	82	188.722	0.000	0.112740	ug/L
I	Rh	103	289787.323	289787.323		ug/L
I	Ag	107	443.016	0.001	0.028666	ug/L

Sample Information

Sample ID: 1002004-03
Autosampler Position: 25
Sample Date/Time: Tuesday, February 09, 2010 19:32:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\1002004-03.026
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	21642.961	0.003	0.074252	0.019	25.889	ug/L
	Cr	53	4551.622	0.001	0.237071	0.018	7.469	ug/L
	Co	59	591.694	0.001	0.029773	0.003	10.412	ug/L
	Cu	63	4913.831	0.011	0.553161	0.010	1.793	ug/L
	Cu	65	2361.025	0.005	0.563523	0.004	0.704	ug/L
	Zn	66	5803.412	0.013	2.194611	0.055	2.491	ug/L
	Zn	68	7260.568	0.013	2.675516	0.038	1.413	ug/L
>	Ge	72	408437.960	408437.960				ug/L
	Se	77	307.009	0.000	0.204352	0.032	15.761	ug/L
	Se	82	141.626	0.000	0.059416	0.013	22.495	ug/L
>	Rh	103	286371.575	286371.575				ug/L
	Ag	107	170.337	0.001	0.009816	0.001	7.247	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	104.506
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.144
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	21911.969	0.003	0.074002	ug/L
Cr	53	4636.336	0.001	0.251642	ug/L
Co	59	542.023	0.001	0.026432	ug/L
Cu	63	4880.483	0.011	0.542916	ug/L
Cu	65	2373.362	0.005	0.566066	ug/L
Zn	66	5731.027	0.013	2.138711	ug/L
Zn	68	7298.239	0.013	2.633274	ug/L
Ge	72	413811.969	413811.969		ug/L
Se	77	321.009	0.000	0.241139	ug/L
Se	82	141.001	0.000	0.053281	ug/L
Rh	103	289946.309	289946.309		ug/L
Ag	107	180.004	0.001	0.010302	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	21063.799	0.002	0.055186	ug/L

00317

I	Cr	53	4497.238	0.001	0.242207	ug/L
I	Co	59	583.027	0.001	0.030329	ug/L
I	Cu	63	4851.469	0.011	0.553646	ug/L
I	Cu	65	2333.390	0.005	0.564833	ug/L
I	Zn	66	5741.534	0.013	2.201778	ug/L
I	Zn	68	7163.168	0.013	2.887082	ug/L
I-S	Ge	72	402769.228	402769.228		ug/L
I	Se	77	289.008	0.000	0.190988	ug/L
I	Se	82	136.157	0.000	0.093245	ug/L
I-S	Rh	103	284049.734	284049.734		ug/L
I	Ag	107	174.004	0.001	0.010148	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
I	Cr	53	21953.086	0.003	0.083588	ug/L
I	Cr	53	4522.272	0.001	0.217363	ug/L
I	Co	59	640.031	0.001	0.032658	ug/L
I	Cu	63	4989.548	0.011	0.562721	ug/L
I	Cu	65	2379.393	0.005	0.588671	ug/L
I	Zn	66	5838.174	0.014	2.245348	ug/L
I	Zn	68	7332.288	0.013	2.706213	ug/L
I-S	Ge	72	408841.887	408841.887		ug/L
I	Se	77	301.008	0.000	0.181222	ug/L
I	Se	82	147.721	0.000	0.074781	ug/L
I-S	Rh	103	285219.688	285219.688		ug/L
I	Ag	107	157.003	0.000	0.008000	ug/L

Sample Information

Sample ID: 1002004-04
Autosampler Position: 26
Sample Date/Time: Tuesday, February 09, 2010 19:35:20
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\1002004-04.027
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	26131.838	0.014	0.383686	0.042	11.067	ug/L
	Cr	53	5163.318	0.003	0.589847	0.102	17.321	ug/L
	Co	59	2694.129	0.006	0.153870	0.003	2.074	ug/L
	Cu	63	4302.820	0.010	0.480541	0.010	2.173	ug/L
	Cu	65	2007.929	0.005	0.474384	0.011	2.306	ug/L
	Zn	66	9332.316	0.022	3.614020	0.009	0.247	ug/L
	Zn	68	9482.487	0.019	3.781299	0.087	2.294	ug/L
>	Ge	72	407594.654	407594.654				ug/L
	Se	77	279.674	0.000	0.105906	0.068	63.970	ug/L
	Se	82	117.954	-0.000	-0.001234	0.092	7423.528	ug/L
>	Rh	103	291698.139	291698.139				ug/L
	Ag	107	118.669	0.000	0.006346	0.000	7.275	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	104.290
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.006
	Ag	106.905	

QC Out Of Limits

Measurement Type	*Analyte*	*Mass*	*Out of Limits Message*

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	26097.080	0.013	0.388854	ug/L
Cr	53	5088.803	0.002	0.525870	ug/L
Co	59	2744.479	0.006	0.155706	ug/L
Cu	63	4344.176	0.010	0.481638	ug/L
Cu	65	1873.253	0.004	0.461862	ug/L
Zn	66	9405.388	0.022	3.617272	ug/L
Zn	68	9383.374	0.018	3.686852	ug/L
Ge	72	410422.821	410422.821		ug/L
Se	77	284.008	0.000	0.151727	ug/L
Se	82	81.433	-0.000	-0.087471	ug/L
Rh	103	288078.514	288078.514		ug/L
Ag	107	118.002	0.000	0.008400	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	26384.888	0.018	0.431917	ug/L

00319

Cr	53	5263.727	0.003	0.707658	ug/L
Co	59	2567.427	0.008	0.150185	ug/L
Cu	63	4311.158	0.010	0.480277	ug/L
Cu	65	2008.382	0.005	0.462562	ug/L
Zn	66	9194.161	0.023	3.820891	ug/L
Zn	66	9607.515	0.019	3.872308	ug/L
Ge	72	400818.867	400818.867		ug/L
Se	77	254.008	0.000	0.026088	ug/L
Se	82	119.804	0.000	0.008821	ug/L
Rh	103	295238.397	295238.397		ug/L
Ag	107	127.002	0.000	0.005779	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	25803.488	0.013	0.350788	ug/L
Cr	53	5119.823	0.002	0.536312	ug/L
Co	59	2750.481	0.008	0.156889	ug/L
Cu	63	4253.128	0.010	0.488512	ug/L
Cu	65	2044.271	0.005	0.478808	ug/L
Zn	66	9387.380	0.022	3.903807	ug/L
Zn	66	9598.572	0.019	3.771888	ug/L
Ge	72	411542.154	411542.154		ug/L
Se	77	291.008	0.000	0.137908	ug/L
Se	82	152.827	0.000	0.084947	ug/L
Rh	103	291791.508	291791.508		ug/L
Ag	107	111.002	0.000	0.005691	ug/L

Sample Information

Sample ID: 0B09047-CCV
Autosampler Position: 2
Sample Date/Time: Tuesday, February 09, 2010 19:37:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\0B09047-CCV.028
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	622093.186	1.486	41.268756	0.051	0.123	ug/L
	Cr	53	76270.560	0.178	41.141379	0.247	0.600	ug/L
	Co	59	698553.142	1.725	41.487709	0.558	1.346	ug/L
	Cu	63	333993.923	0.824	40.614263	0.545	1.341	ug/L
	Cu	65	159805.409	0.394	41.152214	0.681	1.656	ug/L
	Zn	66	101114.618	0.249	40.678115	1.140	2.802	ug/L
	Zn	68	83110.554	0.201	40.428714	0.470	1.164	ug/L
>	Ge	72	404971.879	404971.879				ug/L
	Se	77	11098.165	0.027	40.087642	1.149	2.865	ug/L
	Se	82	15262.008	0.037	39.557215	0.521	1.317	ug/L
>	Rh	103	290070.022	290070.022				ug/L
	Ag	107	633521.430	2.184	40.317742	0.438	1.086	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.619
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.437
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	625618.607	1.494	41.231709	ug/L
Cr	53	77142.179	0.179	41.339188	ug/L
Co	59	692536.188	1.699	40.847832	ug/L
Cu	63	332468.674	0.816	40.151108	ug/L
Cu	65	157845.450	0.387	40.367088	ug/L
Zn	66	98823.139	0.241	39.387077	ug/L
Zn	68	82560.071	0.198	39.868118	ug/L
Ge	72	407750.377	407750.377		ug/L
Se	77	10884.212	0.026	39.018180	ug/L
Se	82	15277.323	0.037	39.324728	ug/L
Rh	103	284898.177	284898.177		ug/L
Ag	107	633718.248	2.184	40.462512	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	620388.757	1.486	41.329454	ug/L

99321

	Cr	53	78082.563	0.179	41.220083	ug/L
	Co	59	702218.184	1.741	41.875805	ug/L
	Cu	63	337542.713	0.838	41.214504	ug/L
	Cu	65	160841.868	0.399	41.580288	ug/L
	Zn	66	102935.868	0.254	41.580424	ug/L
	Zn	66	83405.137	0.202	40.749022	ug/L
	Ge	72	403302.539	403302.539		ug/L
	Se	77	11380.880	0.028	41.302237	ug/L
	Se	82	15080.394	0.037	39.182828	ug/L
	Rb	103	288445.788	288445.788		ug/L
	Ag	107	637251.180	2.202	40.841072	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	820091.188	1.466	41.249108	ug/L
Cr	53	78578.816	0.177	40.864680	ug/L
Co	59	700803.074	1.735	41.738388	ug/L
Cu	63	331870.383	0.821	40.477177	ug/L
Cu	65	160728.612	0.398	41.501280	ug/L
Zn	66	101784.848	0.251	41.058648	ug/L
Zn	68	83338.464	0.202	40.653001	ug/L
Ge	72	403882.720	403882.720		ug/L
Se	77	11028.404	0.027	39.941528	ug/L
Se	82	15446.318	0.038	40.154083	ug/L
Rb	103	291886.121	291886.121		ug/L
Ag	107	629586.861	2.157	39.819842	ug/L

Sample Information

Sample ID: 0B09047-CCB
Autosampler Position: 1
Sample Date/Time: Tuesday, February 09, 2010 19:41:19
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\0B09047-CCB.029
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	17382.295	-0.007	-0.196154	0.038	19.623	ug/L
	Cr	53	4369.189	0.001	0.174158	0.042	24.073	ug/L
	Co	59	116.002	0.000	0.001854	0.001	32.986	ug/L
	Cu	63	334.010	0.000	0.001071	0.003	299.203	ug/L
	Cu	65	177.337	0.000	0.006175	0.004	70.006	ug/L
	Zn	66	327.010	0.000	0.005433	0.012	215.225	ug/L
	Zn	68	1830.553	0.000	0.012521	0.025	199.847	ug/L
>	Ge	72	401904.370	401904.370				ug/L
	Se	77	265.340	0.000	0.067686	0.035	51.228	ug/L
	Se	82	115.139	-0.000	-0.004383	0.075	1707.403	ug/L
>	Rh	103	280662.867	280662.867				ug/L
	Ag	107	187.671	0.001	0.011179	0.001	6.579	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.834
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.147
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	17926.440	-0.008	-0.196483	ug/L
Cr	53	4438.226	0.001	0.218689	ug/L
Co	59	109.002	0.000	0.001447	ug/L
Cu	63	362.011	0.000	0.004576	ug/L
Cu	65	184.004	0.000	0.010587	ug/L
Zn	66	308.009	-0.000	-0.002084	ug/L
Zn	68	1867.228	0.002	0.032443	ug/L
Ge	72	401228.834	401228.834		ug/L
Se	77	263.007	0.000	0.080880	ug/L
Se	82	82.143	-0.000	-0.080788	ug/L
Rh	103	281559.287	281559.287		ug/L
Ag	107	198.004	0.001	0.011885	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	17382.283	-0.007	-0.188633	ug/L

00328

	Cr	53	4388.188	0.001	0.188423	ug/L
	Ce	58	128.002	0.000	0.002587	ug/L
	Cu	63	312.008	-0.000	-0.001709	ug/L
	Cu	65	177.004	0.000	0.000883	ug/L
	Zn	66	313.009	-0.000	-0.000522	ug/L
	Zn	66	1778.307	-0.000	-0.015386	ug/L
	Ge	72	402728.780	402728.780		ug/L
	Se	77	276.007	0.000	0.105328	ug/L
	Se	82	132.931	0.000	0.040186	ug/L
	Rh	103	281441.402	281441.402		ug/L
	Ag	107	188.004	0.001	0.011336	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	16838.162	-0.008	-0.233348	ug/L
Cr	53	4300.152	0.001	0.135288	ug/L
Ce	58	111.002	0.000	0.001588	ug/L
Cu	63	328.010	0.000	0.000348	ug/L
Cu	65	181.003	0.000	0.001948	ug/L
Zn	66	360.011	0.000	0.018804	ug/L
Zn	66	1646.223	0.000	0.020886	ug/L
Ge	72	401795.416	401795.416		ug/L
Se	77	257.007	0.000	0.037048	ug/L
Se	82	130.954	0.000	0.037440	ug/L
Rh	103	278987.913	278987.913		ug/L
Ag	107	175.004	0.001	0.010418	ug/L

Sample Information

Sample ID: 1002004-05
Autosampler Position: 27
Sample Date/Time: Tuesday, February 09, 2010 19:43:49
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\1002004-05.030
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	24157.878	0.008	0.227821	0.024	10.747	ug/L
	Cr	53	4897.154	0.002	0.402801	0.014	3.484	ug/L
	Co	59	1127.754	0.003	0.060609	0.001	1.754	ug/L
	Cu	63	3364.713	0.007	0.361795	0.002	0.673	ug/L
	Cu	65	1580.832	0.003	0.359789	0.008	2.258	ug/L
	Zn	66	4937.846	0.011	1.827422	0.083	4.525	ug/L
	Zn	68	5747.372	0.009	1.899397	0.084	4.431	ug/L
>	Ge	72	412868.974	412868.974				ug/L
	Se	77	274.341	0.000	0.074501	0.064	85.384	ug/L
	Se	82	91.088	-0.000	-0.073887	0.141	190.598	ug/L
>	Rh	103	293384.362	293384.362				ug/L
	Ag	107	189.671	0.001	0.010772	0.001	6.323	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	105.639
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.596
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	24536.314	0.009	0.236427	ug/L
Cr	53	4921.502	0.002	0.391666	ug/L
Co	59	1150.082	0.003	0.061838	ug/L
Cu	63	3418.736	0.007	0.364807	ug/L
Cu	65	1563.182	0.003	0.351774	ug/L
Zn	66	4756.405	0.011	1.738191	ug/L
Zn	68	5656.876	0.009	1.829866	ug/L
Ge	72	416566.274	416566.274		ug/L
Se	77	275.007	0.000	0.067602	ug/L
Se	82	135.880	0.000	0.037615	ug/L
Rh	103	294087.147	294087.147		ug/L
Ag	107	182.004	0.001	0.010283	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	24085.025	0.008	0.245214	ug/L

99325

	Cr	53	4980.488	0.002	0.418589	ug/L
	Co	59	1103.084	0.002	0.080037	ug/L
	Cd	63	3307.889	0.007	0.380289	ug/L
	Cu	65	1558.161	0.003	0.358577	ug/L
	Zn	66	9058.589	0.012	1.901447	ug/L
	Zn	66	5862.120	0.010	1.983008	ug/L
	Ge	72	407413.481	407413.481		ug/L
	Se	77	288.009	0.000	0.141291	ug/L
	Se	82	107.928	-0.000	-0.027131	ug/L
	Rh	103	292828.088	292828.088		ug/L
	Ag	107	185.004	0.001	0.010808	ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Cr	52	23842.297	0.007	0.156821	ug/L
Cr	53	4908.488	0.002	0.388149	ug/L
Co	59	1121.087	0.002	0.038883	ug/L
Cu	63	3367.714	0.007	0.380491	ug/L
Cu	65	1620.174	0.004	0.368018	ug/L
Zn	66	4999.649	0.011	1.842827	ug/L
Zn	68	5722.022	0.009	1.875227	ug/L
Ge	72	414587.188	414587.188		ug/L
Se	77	259.007	0.000	0.014820	ug/L
Se	82	29.478	-0.000	-0.232148	ug/L
Rh	103	293437.843	293437.843		ug/L
Ag	107	202.004	0.001	0.011548	ug/L

Sample Information

Sample ID: 1002004-06
Autosampler Position: 28
Sample Date/Time: Tuesday, February 09, 2010 19:46:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\1002004-06.031
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	56758.203	0.089	2.464122	0.090	3.662	ug/L
	Cr	53	8732.994	0.011	2.602172	0.062	2.392	ug/L
	Co	59	12922.475	0.031	0.756181	0.009	1.168	ug/L
	Cu	63	18216.070	0.044	2.159407	0.041	1.915	ug/L
	Cu	65	8649.240	0.021	2.171316	0.045	2.061	ug/L
	Zn	66	22704.117	0.055	8.960682	0.248	2.766	ug/L
	Zn	68	22135.918	0.050	10.015724	0.297	2.970	ug/L
>	Ge	72	408353.772	408353.772				ug/L
	Se	77	294.675	0.000	0.159669	0.067	42.028	ug/L
	Se	82	111.314	-0.000	-0.018839	0.047	251.606	ug/L
>	Rh	103	287898.320	287898.320				ug/L
	Ag	107	207.005	0.001	0.012117	0.003	24.237	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	104.484
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.678
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	56836.367	0.087	2.417686	ug/L
Cr	53	8769.700	0.011	2.574547	ug/L
Co	59	12912.125	0.031	0.748188	ug/L
Cu	63	18172.978	0.043	2.132840	ug/L
Cu	65	8635.454	0.020	2.120813	ug/L
Zn	66	22366.186	0.053	8.736760	ug/L
Zn	68	21848.828	0.048	9.787737	ug/L
Ge	72	412317.063	412317.063		ug/L
Se	77	278.007	0.000	0.088740	ug/L
Se	82	127.228	0.000	0.018047	ug/L
Rh	103	288881.813	288881.813		ug/L
Ag	107	178.004	0.001	0.010300	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	57126.708	0.092	2.508131	ug/L

00327

I	Cr	53	8851.697	0.012	2.673443	ug/L
I	Co	59	12620.983	0.032	0.765686	ug/L
I	Cu	63	16239.120	0.045	2.207038	ug/L
I	Cu	65	6810.532	0.021	2.208389	ug/L
I	Zn	66	22804.883	0.058	9.226876	ug/L
I	Zn	68	22351.158	0.051	10.348519	ug/L
I	Ge	72	400116.288	400116.288		ug/L
I	Se	77	291.008	0.000	0.169118	ug/L
I	Se	82	114.908	-0.000	-0.003573	ug/L
I	Rh	103	280137.207	280137.207		ug/L
I	Ag	107	184.004	0.001	0.010845	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	56912.539	0.087	2.408648	ug/L
Cr	53	8747.878	0.011	2.556827	ug/L
Co	59	13034.318	0.031	0.754721	ug/L
Cu	63	16236.114	0.043	2.138548	ug/L
Cu	65	6801.734	0.021	2.186948	ug/L
Zn	66	22841.469	0.056	8.918311	ug/L
Zn	68	22208.771	0.049	8.833918	ug/L
Ge	72	412627.928	412627.928		ug/L
Se	77	315.009	0.000	0.222181	ug/L
Se	82	91.810	-0.000	-0.071869	ug/L
Rh	103	288878.140	288878.140		ug/L
Ag	107	258.007	0.001	0.015608	ug/L

00328

Sample Information

Sample ID: 1002004-07
Autosampler Position: 29
Sample Date/Time: Tuesday, February 09, 2010 19:48:49
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\1002004-07.032
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	21195.467	0.001	0.032133	0.015	46.968	ug/L
	Cr	53	4563.295	0.001	0.222952	0.054	24.026	ug/L
	Co	59	134.669	0.000	0.002773	0.000	16.522	ug/L
	Cu	63	1686.854	0.003	0.162064	0.007	4.512	ug/L
	Cu	65	822.382	0.002	0.168541	0.005	2.925	ug/L
	Zn	66	3064.928	0.007	1.088776	0.022	2.026	ug/L
	Zn	68	4184.759	0.006	1.142346	0.072	6.324	ug/L
>	Ge	72	411858.540	411858.540				ug/L
	Se	77	274.674	0.000	0.078131	0.041	52.683	ug/L
	Se	82	130.176	0.000	0.027022	0.111	410.218	ug/L
>	Rh	103	291442.512	291442.512				ug/L
	Ag	107	122.002	0.000	0.006568	0.000	5.312	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	105.381
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.917
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	21195.647	0.001	0.022167	ug/L
Cr	53	4569.298	0.001	0.184208	ug/L
Co	59	146.003	0.000	0.003301	ug/L
Cu	63	1644.179	0.003	0.153888	ug/L
Cu	65	820.049	0.002	0.164585	ug/L
Zn	66	3085.606	0.007	1.080832	ug/L
Zn	68	4186.084	0.006	1.110008	ug/L
Ge	72	416831.561	416831.561		ug/L
Se	77	268.007	0.000	0.030832	ug/L
Se	82	97.527	-0.000	-0.080830	ug/L
Rh	103	287109.983	287109.983		ug/L
Ag	107	124.002	0.000	0.006811	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	21004.646	0.002	0.049497	ug/L

00329

	Cr	53	4575.301	0.001	0.284080	ug/L
	Co	59	127.002	0.000	0.003488	ug/L
	Cu	63	1694.189	0.003	0.167219	ug/L
	Cu	65	799.046	0.002	0.168873	ug/L
	Zn	66	3062.583	0.007	1.113701	ug/L
	Zn	66	4264.133	0.006	1.225104	ug/L
	Ge	72	403199.738	403199.738		ug/L
	Se	77	278.007	0.000	0.100418	ug/L
	Se	82	113.313	-0.000	-0.008548	ug/L
	Rh	103	294880.538	294880.538		ug/L
	Ag	107	117.002	0.000	0.008188	ug/L

Repeat 3

Analyte	Mass	Mass, Intensity	Net Intensity	Concentration	Repeat Unit
Cr	52	21165.108	0.001	0.024738	ug/L
Cr	53	4549.286	0.001	0.200871	ug/L
Co	59	131.002	0.000	0.002928	ug/L
Cu	63	1722.186	0.003	0.165277	ug/L
Cu	65	849.052	0.002	0.174088	ug/L
Zn	66	3038.584	0.007	1.071784	ug/L
Zn	68	4102.050	0.006	1.091839	ug/L
Ge	72	413744.288	413744.288		ug/L
Se	77	283.006	0.000	0.103342	ug/L
Se	82	179.488	0.000	0.191539	ug/L
Rh	103	292567.006	292567.006		ug/L
Ag	107	125.002	0.000	0.008729	ug/L

99339

Sample Information

Sample ID: 1002004-08
Autosampler Position: 30
Sample Date/Time: Tuesday, February 09, 2010 19:51:19
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\1002004-08.033
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	22394.275	0.005	0.129058	0.024	18.807	ug/L
	Cr	53	4809.102	0.002	0.388766	0.042	10.792	ug/L
	Co	59	1045.743	0.002	0.056657	0.004	6.208	ug/L
	Cu	63	11330.477	0.027	1.330711	0.014	1.025	ug/L
	Cu	65	5408.809	0.013	1.345575	0.016	1.188	ug/L
	Zn	66	7706.306	0.018	2.963057	0.058	1.952	ug/L
	Zn	68	8069.319	0.015	3.083624	0.077	2.495	ug/L
>	Ge	72	407502.760	407502.760				ug/L
	Se	77	286.674	0.000	0.132233	0.054	40.700	ug/L
	Se	82	127.154	0.000	0.023181	0.089	385.483	ug/L
>	Rh	103	288271.466	288271.466				ug/L
	Ag	107	77.001	0.000	0.003767	0.000	7.708	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	104.266
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.808
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	22283.877	0.004	0.108821	ug/L
Cr	53	4816.500	0.002	0.427821	ug/L
Co	59	988.088	0.002	0.052754	ug/L
Cu	63	11313.788	0.027	1.317381	ug/L
Cu	65	5411.611	0.013	1.334828	ug/L
Zn	66	7647.584	0.018	2.913862	ug/L
Zn	68	7968.807	0.015	3.010884	ug/L
Ge	72	410862.778	410862.778		ug/L
Se	77	308.009	0.000	0.194239	ug/L
Se	82	88.418	-0.000	-0.077146	ug/L
Rh	103	291186.153	291186.153		ug/L
Ag	107	83.001	0.000	0.004100	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	22613.887	0.008	0.158009	ug/L

99331

I	Cr	53	4780.419	0.002	0.383669	ug/L
I	Co	59	1087.082	0.002	0.099583	ug/L
I	Cu	63	11398.847	0.027	1.344819	ug/L
I	Cu	65	5336.762	0.013	1.337847	ug/L
I	Zn	66	7804.731	0.019	3.028814	ug/L
I	Zn	68	8189.084	0.018	3.184237	ug/L
I	Ge	72	404336.417	404336.417		ug/L
I	Se	77	277.007	0.000	0.104977	ug/L
I	Se	82	153.484	0.000	0.094218	ug/L
I	Rh	103	284886.829	284886.829		ug/L
I	Ag	107	73.001	0.000	0.003588	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	22284.989	0.004	0.122243	ug/L
Cr	53	4728.389	0.001	0.344483	ug/L
Co	59	1082.078	0.002	0.097634	ug/L
Cu	63	11320.798	0.027	1.330182	ug/L
Cu	65	5477.888	0.013	1.383930	ug/L
Zn	66	7686.603	0.018	2.846374	ug/L
Zn	68	8049.987	0.018	3.078640	ug/L
Ge	72	407299.087	407299.087		ug/L
Se	77	277.007	0.000	0.097466	ug/L
Se	82	136.549	0.000	0.052470	ug/L
Rh	103	288782.318	288782.318		ug/L
Ag	107	75.001	0.000	0.003633	ug/L

Sample Information

Sample ID: 1000901-MS2
Autosampler Position: 31
Sample Date/Time: Tuesday, February 09, 2010 19:53:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\1000901-MS2.034
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	308568.426	0.683	18.966331	0.310	1.637	ug/L
	Cr	53	38743.268	0.082	18.913865	0.441	2.332	ug/L
	Co	59	326907.562	0.777	18.679038	0.379	2.030	ug/L
	Cu	63	165018.169	0.391	19.285686	0.156	0.807	ug/L
	Cu	65	78162.311	0.185	19.345675	0.358	1.852	ug/L
	Zn	66	45959.189	0.108	17.717528	0.356	2.011	ug/L
	Zn	68	39203.391	0.089	17.854794	0.267	1.496	ug/L
>	Ge	72	420919.640	420919.640				ug/L
	Se	77	4875.808	0.011	16.413826	0.254	1.549	ug/L
	Se	82	6467.224	0.015	15.948795	0.647	4.057	ug/L
>	Rh	103	295652.010	295652.010				ug/L
	Ag	107	291038.254	0.984	18.173574	0.186	1.025	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	107.699
	Se	76.920	
	Se	81.917	
>	Rh	102.905	103.389
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	307388.847	0.671	18.631388	ug/L
Cr	53	38630.718	0.081	18.588708	ug/L
Co	59	324229.288	0.760	18.291474	ug/L
Cu	63	165080.671	0.388	19.108309	ug/L
Cu	65	77462.318	0.181	18.934328	ug/L
Zn	66	45475.188	0.108	17.308883	ug/L
Zn	68	38056.701	0.087	17.549143	ug/L
Ge	72	426243.322	426243.322		ug/L
Se	77	4862.487	0.011	16.148442	ug/L
Se	82	6260.189	0.014	15.228100	ug/L
Rh	103	291824.029	291824.029		ug/L
Ag	107	286162.171	0.980	18.264293	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	308233.025	0.685	19.023058	ug/L

00333

	Cr	53	39629.401	0.084	19.415450	ug/L
	Ce	58	327021.305	0.777	18.886538	ug/L
	Cu	63	185404.018	0.382	19.344284	ug/L
	Cu	65	78790.805	0.187	19.513491	ug/L
	Zn	66	46504.885	0.110	17.940485	ug/L
	Zn	66	38423.426	0.088	17.872348	ug/L
	Ge	72	420802.203	420802.203		ug/L
	Se	77	4879.477	0.011	18.437677	ug/L
	Se	82	6875.079	0.016	18.479872	ug/L
	Rh	103	291931.277	291931.277		ug/L
	Ag	107	288089.020	0.980	19.277948	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	309102.309	0.693	19.244536	ug/L
Cr	53	37989.664	0.081	18.739438	ug/L
Ce	58	329472.088	0.783	19.049104	ug/L
Cu	63	184089.620	0.384	19.403486	ug/L
Cu	65	78214.111	0.188	19.589239	ug/L
Zn	66	45897.905	0.110	17.906526	ug/L
Zn	66	38130.048	0.090	18.042983	ug/L
Ge	72	415913.384	415913.384		ug/L
Se	77	4865.480	0.011	18.456180	ug/L
Se	82	6466.408	0.015	18.136413	ug/L
Rh	103	303100.725	303100.725		ug/L
Ag	107	294883.970	0.973	17.956462	ug/L

99334

Sample Information

Sample ID: 1000901-MSD2
Autosampler Position: 32
Sample Date/Time: Tuesday, February 09, 2010 19:57:22
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\1000901-MSD2.035
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	324472.832	0.736	20.439968	0.282	1.379	ug/L
	Cr	53	40354.555	0.088	20.237704	0.361	1.784	ug/L
	Co	59	343280.517	0.832	20.002094	0.108	0.539	ug/L
	Cu	63	173286.739	0.419	20.657532	0.364	1.763	ug/L
	Cu	65	81670.440	0.198	20.616096	0.282	1.368	ug/L
	Zn	66	50534.289	0.122	19.882152	0.366	1.839	ug/L
	Zn	68	42572.608	0.099	19.869485	0.502	2.525	ug/L
>	Ge	72	412709.627	412709.627				ug/L
	Se	77	5081.933	0.012	17.503495	0.179	1.022	ug/L
	Se	82	6682.468	0.016	16.821231	0.550	3.267	ug/L
>	Rh	103	288398.772	288398.772				ug/L
	Ag	107	301955.279	1.047	19.327505	0.475	2.459	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	105.599
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.853
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	321282.623	0.724	20.116328	ug/L
Cr	53	39825.814	0.086	19.969868	ug/L
Co	59	343388.937	0.828	19.909868	ug/L
Cu	63	170743.146	0.411	20.251678	ug/L
Cu	65	81219.687	0.196	20.400275	ug/L
Zn	66	49886.245	0.119	19.516877	ug/L
Zn	68	42793.020	0.099	19.974380	ug/L
Ge	72	414758.829	414758.829		ug/L
Se	77	5122.625	0.012	17.556870	ug/L
Se	82	6478.580	0.015	16.207827	ug/L
Rh	103	288852.708	288852.708		ug/L
Ag	107	294317.059	1.019	18.808159	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	325144.988	0.741	20.572082	ug/L

	Cr	53	40199.837	0.088	20.218133	ug/L
	Ce	59	343941.609	0.837	20.120802	ug/L
	Cu	63	175088.191	0.428	20.988649	ug/L
	Cu	65	80838.873	0.197	20.512756	ug/L
	Zn	66	50321.662	0.122	19.877172	ug/L
	Zn	66	41372.661	0.088	19.365388	ug/L
	Ge	72	411083.366	411083.366		ug/L
	Se	77	5008.954	0.012	17.303219	ug/L
	Se	82	6721.208	0.016	18.888123	ug/L
	Rh	103	288343.309	288343.309		ug/L
	Ag	107	304816.469	1.053	19.433308	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	327010.808	0.743	20.631516	ug/L
Cr	53	40877.913	0.088	20.609113	ug/L
Ce	59	342500.008	0.830	19.975616	ug/L
Cu	63	174017.881	0.431	20.784087	ug/L
Cu	65	82852.881	0.201	20.835287	ug/L
Zn	66	51415.639	0.124	20.250307	ug/L
Zn	66	43951.844	0.101	20.399877	ug/L
Ge	72	412308.562	412308.562		ug/L
Se	77	5116.821	0.012	17.647697	ug/L
Se	82	6650.803	0.016	17.267942	ug/L
Rh	103	287000.309	287000.309		ug/L
Ag	107	306933.282	1.069	19.741047	ug/L

99336

Sample Information

Sample ID: 0B09047-SRD2
Autosampler Position: 33
Sample Date/Time: Tuesday, February 09, 2010 20:00:54
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\0B09047-SRD2.036
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	18447.916	-0.005	-0.130221	0.012	9.401	ug/L
	Cr	53	4407.876	0.001	0.181081	0.021	11.580	ug/L
	Co	59	282.674	0.000	0.011733	0.001	12.007	ug/L
	Cu	63	2520.073	0.005	0.267338	0.005	1.879	ug/L
	Cu	65	1253.774	0.003	0.283849	0.011	3.942	ug/L
	Zn	66	2219.651	0.005	0.769845	0.047	6.147	ug/L
	Zn	68	3374.051	0.004	0.775684	0.059	7.612	ug/L
>	Ge	72	404366.633	404366.633				ug/L
	Se	77	262.340	0.000	0.050342	0.068	134.091	ug/L
	Se	82	96.030	-0.000	-0.054673	0.188	343.738	ug/L
>	Rh	103	285407.321	285407.321				ug/L
	Ag	107	202.005	0.001	0.011901	0.002	15.540	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.464
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.807
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	18818.883	-0.008	-0.136223	ug/L
Cr	53	4429.221	0.001	0.198172	ug/L
Co	59	282.008	0.000	0.011486	ug/L
Cu	63	2510.403	0.005	0.281888	ug/L
Cu	65	1221.102	0.003	0.270888	ug/L
Zn	66	2148.298	0.004	0.728838	ug/L
Zn	68	3456.751	0.004	0.783040	ug/L
Ge	72	410034.479	410034.479		ug/L
Se	77	269.007	0.000	0.081513	ug/L
Se	82	14.168	-0.000	-0.270795	ug/L
Rh	103	288212.084	288212.084		ug/L
Ag	107	234.008	0.001	0.013826	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	18446.578	-0.004	-0.118137	ug/L

	Cr	53	4397.189	0.001	0.185747	ug/L
	Ce	59	305.009	0.001	0.013259	ug/L
	Cu	63	2528.409	0.008	0.271777	ug/L
	Cu	65	1288.109	0.003	0.291139	ug/L
	Zn	66	2322.347	0.005	0.621926	ug/L
	Zn	68	3432.741	0.004	0.824106	ug/L
	Ge	72	388889.878	388889.878		ug/L
	Se	77	240.008	-0.009	-0.022081	ug/L
	Se	82	129.989	0.000	0.036461	ug/L
	Rh	103	280480.113	280480.113		ug/L
	Ag	107	188.004	0.001	0.011738	ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	16278.208	-0.005	-0.136304	ug/L
	Cr	53	4427.220	0.001	0.188323	ug/L
	Ce	59	281.007	0.000	0.010483	ug/L
	Cu	63	2521.407	0.005	0.286350	ug/L
	Cu	65	1272.110	0.003	0.289443	ug/L
	Zn	66	2188.309	0.005	0.759374	ug/L
	Zn	68	3232.839	0.004	0.708808	ug/L
	Ge	72	403185.543	403185.543		ug/L
	Se	77	278.007	0.000	0.111383	ug/L
	Se	82	143.864	0.000	0.070318	ug/L
	Rh	103	287519.768	287519.768		ug/L
	Ag	107	178.004	0.001	0.010139	ug/L

Sample Information

Sample ID: 1000901-PS2
Autosampler Position: 34
Sample Date/Time: Tuesday, February 09, 2010 20:03:27
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\1000901-PS2.037
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	328594.995	0.739	20.532967	0.319	1.552	ug/L
	Cr	53	41098.172	0.089	20.462400	0.262	1.282	ug/L
	Co	59	345712.369	0.830	19.975950	0.325	1.625	ug/L
	Cu	63	177891.108	0.427	21.029393	0.091	0.435	ug/L
	Cu	65	84986.763	0.204	21.277779	0.532	2.501	ug/L
	Zn	66	54628.018	0.130	21.323026	0.273	1.279	ug/L
	Zn	68	46275.273	0.107	21.490749	0.484	2.252	ug/L
>	Ge	72	416185.588	416185.588				ug/L
	Se	77	5181.663	0.012	17.711114	0.554	3.130	ug/L
	Se	82	7128.195	0.017	17.810012	0.221	1.238	ug/L
>	Rh	103	291112.403	291112.403				ug/L
	Ag	107	309929.992	1.065	19.652723	0.268	1.361	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	106.488
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.802
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	324688.527	0.728	20.185186	ug/L
Cr	53	41030.170	0.088	20.286259	ug/L
Co	59	350857.288	0.838	20.187891	ug/L
Cu	63	178273.488	0.428	20.989148	ug/L
Cu	65	83534.423	0.199	20.799802	ug/L
Zn	66	54785.083	0.130	21.269280	ug/L
Zn	68	46182.074	0.108	21.321367	ug/L
Ge	72	418488.544	418488.544		ug/L
Se	77	5049.580	0.011	17.134710	ug/L
Se	82	7071.909	0.017	17.568679	ug/L
Rh	103	292316.438	292316.438		ug/L
Ag	107	308888.749	1.056	19.483503	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	328411.414	0.748	20.728931	ug/L

00339

	Cr	53	41258.284	0.080	20.795082	ug/L
	Co	59	345618.928	0.838	20.158744	ug/L
	Cu	63	177083.888	0.429	21.132808	ug/L
	Cu	65	86459.058	0.209	21.848318	ug/L
	Zn	66	54665.589	0.132	21.818888	ug/L
	Zn	68	46994.438	0.109	22.038883	ug/L
	Ge	72	412288.840	412288.840		ug/L
	Se	77	5279.728	0.012	18.240813	ug/L
	Se	82	7081.190	0.017	17.880382	ug/L
	Rh	103	290883.889	290883.889		ug/L
	Ag	107	307314.874	1.058	19.903033	ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	332904.044	0.748	20.708808	ug/L
	Cr	53	41008.081	0.088	20.322851	ug/L
	Co	59	340880.882	0.818	19.801248	ug/L
	Cu	63	178308.157	0.438	20.898223	ug/L
	Cu	65	84988.810	0.203	21.187419	ug/L
	Zn	66	54225.382	0.129	21.081100	ug/L
	Zn	68	45679.308	0.108	21.114188	ug/L
	Ge	72	417804.581	417804.581		ug/L
	Se	77	5215.684	0.012	17.758118	ug/L
	Se	82	7231.488	0.017	18.000088	ug/L
	Rh	103	290158.878	290158.878		ug/L
	Ag	107	313776.282	1.081	19.981833	ug/L

Sample ID: 1000901-PS2
Report Date/Time: Tuesday, February 09, 2010 20:04:17

Sample Information

Sample ID: 1002004-09
Autosampler Position: 35
Sample Date/Time: Tuesday, February 09, 2010 20:07:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\1002004-09.038
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	20470.650	-0.000	-0.011867	0.024	200.515	ug/L
	Cr	53	4420.216	0.001	0.150843	0.034	22.256	ug/L
	Co	59	2439.048	0.006	0.137897	0.007	4.902	ug/L
	Cu	63	1399.465	0.003	0.128185	0.003	2.425	ug/L
	Cu	65	774.711	0.002	0.157231	0.015	9.556	ug/L
	Zn	66	3746.880	0.008	1.364857	0.060	4.399	ug/L
	Zn	68	10246.398	0.020	4.124028	0.097	2.351	ug/L
>	Ge	72	410411.039	410411.039				ug/L
	Se	77	275.674	0.000	0.084210	0.093	110.713	ug/L
	Se	82	128.346	0.000	0.022806	0.118	519.428	ug/L
>	Rh	103	288574.142	288574.142				ug/L
	Ag	107	233.339	0.001	0.013755	0.001	10.746	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	105.010
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.914
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	20366.139	-0.001	-0.035834	ug/L
Cr	53	4489.259	0.001	0.160791	ug/L
Co	59	2425.377	0.006	0.135116	ug/L
Cu	63	1426.139	0.003	0.129048	ug/L
Cu	65	728.039	0.001	0.143246	ug/L
Zn	66	3627.629	0.008	1.297212	ug/L
Zn	68	10227.374	0.020	4.045360	ug/L
Ge	72	418088.191	418088.191		ug/L
Se	77	309.009	0.000	0.191054	ug/L
Se	82	176.108	0.000	0.140341	ug/L
Rh	103	294867.142	294867.142		ug/L
Ag	107	251.008	0.001	0.014548	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	20589.610	0.000	0.011751	ug/L

00341

	Cr	53	4419.216	0.001	0.178380	ug/L
	Ce	58	2542.413	0.008	0.145804	ug/L
	Cu	63	1405.133	0.003	0.130773	ug/L
	Cu	65	786.043	0.002	0.157149	ug/L
	Zn	66	3622.915	0.009	1.411648	ug/L
	Zn	68	10351.529	0.021	4.232380	ug/L
	Ge	72	405619.443	405619.443		ug/L
	Se	77	261.007	0.000	0.042212	ug/L
	Se	82	127.387	0.009	0.024638	ug/L
	Rh	103	289897.317	289897.317		ug/L
	Ag	107	245.008	0.001	0.014669	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	20434.202	-0.008	-0.011518	ug/L
Cr	53	4342.174	0.009	0.113448	ug/L
Ce	58	2348.308	0.008	0.132971	ug/L
Cu	63	1387.139	0.003	0.124737	ug/L
Cu	65	832.080	0.002	0.172298	ug/L
Zn	66	3788.888	0.008	1.386511	ug/L
Zn	68	10180.292	0.020	4.084364	ug/L
Ge	72	408317.462	408317.462		ug/L
Se	77	257.007	0.000	0.018386	ug/L
Se	82	81.588	-0.000	-0.086560	ug/L
Rh	103	285047.988	285047.988		ug/L
Ag	107	204.006	0.001	0.012060	ug/L

09342

Sample Information

Sample ID: 1002004-10
Autosampler Position: 36
Sample Date/Time: Tuesday, February 09, 2010 20:09:33
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\1002004-10.039
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	25221.697	0.012	0.339140	0.018	5.335	ug/L
	Cr	53	4920.168	0.002	0.480221	0.037	7.665	ug/L
	Co	59	928.394	0.002	0.050243	0.002	3.412	ug/L
	Cu	63	11155.907	0.027	1.323495	0.034	2.565	ug/L
	Cu	65	5288.732	0.013	1.328691	0.045	3.397	ug/L
	Zn	66	7188.505	0.017	2.785263	0.100	3.575	ug/L
	Zn	68	7632.571	0.014	2.906979	0.144	4.958	ug/L
>	Ge	72	403445.500	403445.500				ug/L
	Se	77	296.675	0.000	0.179831	0.043	23.824	ug/L
	Se	82	160.083	0.000	0.112909	0.121	106.967	ug/L
>	Rh	103	288922.225	288922.225				ug/L
	Ag	107	158.003	0.000	0.008935	0.001	12.406	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.228
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.036
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	25471.122	0.012	0.322488	ug/L
Cr	53	4961.526	0.002	0.448048	ug/L
Co	59	960.067	0.002	0.052223	ug/L
Cu	63	11057.442	0.026	1.285180	ug/L
Cu	65	5239.889	0.012	1.288791	ug/L
Zn	66	7044.046	0.016	2.670888	ug/L
Zn	68	7447.401	0.014	2.741584	ug/L
Ge	72	411332.156	411332.156		ug/L
Se	77	307.008	0.000	0.199848	ug/L
Se	82	180.909	0.000	0.108448	ug/L
Rh	103	291121.873	291121.873		ug/L
Ag	107	163.003	0.000	0.009174	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	25104.008	0.013	0.356388	ug/L

99343

	Cr	53	4913.497	0.002	0.520828	ug/L
	Co	59	887.057	0.002	0.048247	ug/L
	Cu	63	11195.827	0.027	1.349756	ug/L
	Cu	65	5166.853	0.013	1.316156	ug/L
	Zn	66	7242.218	0.017	2.852833	ug/L
	Zn	68	7710.845	0.015	3.005846	ug/L
	Ge	72	397113.831	397113.831		ug/L
	Se	77	278.007	0.000	0.131131	ug/L
	Se	82	204.280	0.000	0.236767	ug/L
	Rh	103	288941.328	288941.328		ug/L
	Ag	107	173.003	0.001	0.008804	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	25089.864	0.013	0.338648	ug/L
Cr	53	4868.480	0.003	0.470764	ug/L
Co	59	908.059	0.002	0.049289	ug/L
Cu	63	11214.853	0.027	1.335570	ug/L
Cu	65	5469.643	0.013	1.378184	ug/L
Zn	66	7279.251	0.017	2.832287	ug/L
Zn	68	7739.670	0.015	2.973709	ug/L
Ge	72	401880.713	401880.713		ug/L
Se	77	304.009	0.000	0.211714	ug/L
Se	82	115.091	-0.000	-0.004808	ug/L
Rh	103	286703.873	286703.873		ug/L
Ag	107	139.003	0.000	0.007726	ug/L

03344

Sample Information

Sample ID: 0B09047-CCV
Autosampler Position: 2
Sample Date/Time: Tuesday, February 09, 2010 20:12:05
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\0B09047-CCV.040
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	620709.364	1.496	41.552270	0.117	0.282	ug/L
	Cr	53	76289.431	0.180	41.539155	0.534	1.286	ug/L
	Co	59	705610.123	1.758	42.280787	0.561	1.326	ug/L
	Cu	63	333742.705	0.831	40.947744	0.813	1.984	ug/L
	Cu	65	160099.578	0.399	41.596808	0.708	1.702	ug/L
	Zn	66	99660.453	0.248	40.445435	0.536	1.326	ug/L
	Zn	68	82766.873	0.202	40.628628	1.031	2.539	ug/L
>	Ge	72	401405.810	401405.810				ug/L
	Se	77	10964.653	0.027	39.956908	1.102	2.759	ug/L
	Se	82	14719.803	0.036	38.489349	1.070	2.781	ug/L
>	Rh	103	286787.138	286787.138				ug/L
	Ag	107	633339.705	2.208	40.768221	0.342	0.838	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.706
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.289
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	627248.288	1.488	41.563847	ug/L
Cr	53	77823.822	0.181	41.953084	ug/L
Co	59	702882.802	1.733	41.674680	ug/L
Cu	63	333488.485	0.822	40.493332	ug/L
Cu	65	158304.844	0.392	40.864624	ug/L
Zn	66	98480.008	0.244	39.951344	ug/L
Zn	68	81378.224	0.199	39.510280	ug/L
Ge	72	408523.548	408523.548		ug/L
Se	77	10734.018	0.026	38.884310	ug/L
Se	82	14437.425	0.035	37.351548	ug/L
Rh	103	283543.824	283543.824		ug/L
Ag	107	631208.187	2.229	41.083984	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	615705.171	1.500	41.663159	ug/L

00345

Cr	53	75888.741	0.161	41.641661	ug/L
Co	59	708434.176	1.779	42.780835	ug/L
Cu	63	337784.621	0.850	41.685833	ug/L
Cu	65	161328.236	0.408	42.381834	ug/L
Zn	66	98418.742	0.247	40.368881	ug/L
Zn	68	83703.109	0.209	41.542325	ug/L
Ge	72	397140.888	397140.888		ug/L
Se	77	11026.400	0.027	40.821817	ug/L
Se	82	14938.838	0.037	39.476071	ug/L
Rh	103	289113.528	289113.528		ug/L
Ag	107	832941.580	2.188	40.412808	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	619174.858	1.482	41.430008	ug/L
Cr	53	75244.830	0.177	40.822519	ug/L
Co	59	707703.383	1.762	42.388848	ug/L
Cu	63	329885.030	0.821	40.464088	ug/L
Cu	65	158885.654	0.397	41.463885	ug/L
Zn	66	101102.611	0.251	41.016100	ug/L
Zn	68	83219.291	0.203	40.833278	ug/L
Ge	72	401553.000	401553.000		ug/L
Se	77	11133.544	0.027	40.564587	ug/L
Se	82	14788.350	0.037	38.840427	ug/L
Rh	103	287703.988	287703.988		ug/L
Ag	107	835888.387	2.210	40.786484	ug/L

Sample Information

Sample ID: 0B09047-CCB
Autosampler Position: 1
Sample Date/Time: Tuesday, February 09, 2010 20:15:35
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\0B09047-CCB.041
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	17591.393	-0.006	-0.165981	0.030	17.843	ug/L
	Cr	53	4157.412	0.000	0.083385	0.078	92.993	ug/L
	Co	59	113.002	0.000	0.001762	0.000	13.955	ug/L
	Cu	63	320.343	-0.000	-0.000113	0.003	2253.815	ug/L
	Cu	65	164.003	0.000	0.003291	0.004	127.156	ug/L
	Zn	66	341.010	0.000	0.013036	0.013	100.931	ug/L
	Zn	68	1830.886	0.000	0.024304	0.018	72.777	ug/L
>	Ge	72	396850.242	396850.242				ug/L
	Se	77	290.341	0.000	0.174067	0.051	29.259	ug/L
	Se	82	92.645	-0.000	-0.059593	0.075	126.299	ug/L
>	Rh	103	284366.309	284366.309				ug/L
	Ag	107	180.004	0.001	0.010519	0.001	5.984	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	101.541
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.443
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	17591.180	-0.006	-0.165280	ug/L
Cr	53	4246.125	0.000	0.101187	ug/L
Co	59	111.002	0.000	0.001546	ug/L
Cu	63	344.011	0.000	0.002235	ug/L
Cu	65	148.003	-0.000	-0.001488	ug/L
Zn	66	329.010	0.000	0.004639	ug/L
Zn	68	1880.233	0.000	0.041073	ug/L
Ge	72	402488.834	402488.834		ug/L
Se	77	296.008	0.000	0.187786	ug/L
Se	82	79.417	-0.000	-0.088820	ug/L
Rh	103	288547.102	288547.102		ug/L
Ag	107	184.004	0.001	0.010892	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	17885.848	-0.006	-0.134650	ug/L

20347

	Cr	53	4192.088	0.001	0.150477	ug/L
	Co	59	110.002	0.000	0.001709	ug/L
	Cu	63	317.009	0.000	0.000243	ug/L
	Cu	65	172.009	0.000	0.006238	ug/L
	Zn	66	371.012	0.000	0.028213	ug/L
	Zn	68	1789.212	0.000	0.026016	ug/L
	Ge	72	388263.788	388263.788		ug/L
	Se	77	270.007	0.000	0.117681	ug/L
	Se	82	123.108	0.000	0.027179	ug/L
	Rh	103	280888.974	280888.974		ug/L
	Ag	107	187.003	0.001	0.009821	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	17282.074	-0.007	-0.183804	ug/L
Cr	53	4033.018	-0.000	-0.001811	ug/L
Co	59	118.002	0.000	0.002029	ug/L
Cu	63	300.008	-0.000	-0.002818	ug/L
Cu	65	172.003	0.000	0.005136	ug/L
Zn	66	328.010	0.000	0.008088	ug/L
Zn	68	1803.213	0.000	0.005823	ug/L
Ge	72	386800.403	386800.403		ug/L
Se	77	303.008	0.000	0.216732	ug/L
Se	82	79.410	-0.000	-0.107329	ug/L
Rh	103	285852.852	285852.852		ug/L
Ag	107	188.004	0.001	0.011044	ug/L

Sample Information

Sample ID: 1002004-11
Autosampler Position: 37
Sample Date/Time: Tuesday, February 09, 2010 20:18:06
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\1002004-11.042
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	20424.206	-0.000	-0.007524	0.013	168.594	ug/L
	Cr	53	4292.815	0.000	0.092939	0.059	63.078	ug/L
	Co	59	127.002	0.000	0.002398	0.000	5.662	ug/L
	Cu	63	1251.773	0.002	0.111227	0.005	4.583	ug/L
	Cu	65	563.691	0.001	0.104379	0.009	8.208	ug/L
	Zn	66	2073.945	0.004	0.703064	0.022	3.137	ug/L
	Zn	68	3309.023	0.004	0.728546	0.050	6.859	ug/L
>	Ge	72	408199.685	408199.685				ug/L
	Se	77	279.674	0.000	0.105352	0.172	163.024	ug/L
	Se	82	108.719	-0.000	-0.024179	0.137	565.341	ug/L
>	Rh	103	291038.368	291038.368				ug/L
	Ag	107	122.335	0.000	0.006601	0.001	11.841	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	104.445
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.776
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	20783.041	-0.001	-0.021548	ug/L
Cr	53	4304.154	0.000	0.035102	ug/L
Co	59	129.002	0.000	0.002258	ug/L
Cu	63	1312.118	0.002	0.114409	ug/L
Cu	65	541.023	0.001	0.094849	ug/L
Zn	66	2088.277	0.004	0.678054	ug/L
Zn	68	3279.678	0.003	0.671084	ug/L
Ge	72	419142.323	419142.323		ug/L
Se	77	272.007	0.000	0.050882	ug/L
Se	82	83.459	-0.000	-0.147208	ug/L
Rh	103	292936.829	292936.829		ug/L
Ag	107	109.002	0.000	0.005707	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	20278.842	-0.000	-0.004170	ug/L

00349

Cr	53	4058.182	0.001	0.152319	ug/L
Co	59	128.002	0.000	0.002529	ug/L
Cu	63	1191.097	0.002	0.105347	ug/L
Ge	95	588.028	0.001	0.111443	ug/L
Zn	66	2079.279	0.004	0.711429	ug/L
Zn	68	3344.705	0.004	0.761831	ug/L
Ge	73	404221.508	404221.508		ug/L
Se	77	229.010	0.000	0.297730	ug/L
Se	82	164.441	0.000	0.122888	ug/L
Rh	103	291672.444	291672.444		ug/L
Ag	107	128.002	0.000	0.008838	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	20232.734	0.000	0.003147	ug/L
Cr	53	4318.109	0.000	0.091395	ug/L
Co	59	129.002	0.000	0.002408	ug/L
Cu	63	1252.107	0.002	0.113823	ug/L
Cu	65	564.029	0.001	0.108846	ug/L
Zn	66	2080.280	0.004	0.718710	ug/L
Zn	68	3302.887	0.004	0.752844	ug/L
Ge	73	401238.228	401238.228		ug/L
Se	77	238.009	-0.000	-0.032568	ug/L
Se	82	98.263	-0.000	-0.048298	ug/L
Rh	103	288507.034	288507.034		ug/L
Ag	107	130.002	0.000	0.007158	ug/L

00350

Sample Information

Sample ID: 1002004-12
Autosampler Position: 38
Sample Date/Time: Tuesday, February 09, 2010 20:20:41
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\1002004-12.043
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	19279.138	-0.003	-0.075345	0.024	32.487	ug/L
	Cr	53	4328.501	0.001	0.131280	0.064	48.614	ug/L
	Co	59	124.002	0.000	0.002277	0.000	16.158	ug/L
	Cu	63	1118.420	0.002	0.096195	0.004	4.432	ug/L
	Cu	65	555.024	0.001	0.103167	0.007	6.519	ug/L
	Zn	66	8486.738	0.020	3.296550	0.070	2.121	ug/L
	Zn	68	8345.261	0.016	3.244813	0.083	2.550	ug/L
>	Ge	72	405038.316	405038.316				ug/L
	Se	77	279.674	0.000	0.112806	0.088	78.178	ug/L
	Se	82	104.542	-0.000	-0.034255	0.032	93.085	ug/L
>	Rh	103	283533.292	283533.292				ug/L
	Ag	107	83.001	0.000	0.004237	0.001	15.638	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.636
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.151
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	19242.363	-0.003	-0.088631	ug/L
Cr	53	4482.258	0.001	0.202281	ug/L
Co	59	119.002	0.000	0.001833	ug/L
Cu	63	1165.083	0.002	0.100853	ug/L
Cu	65	534.022	0.001	0.099827	ug/L
Zn	66	8425.341	0.020	3.248201	ug/L
Zn	68	8288.214	0.016	3.184532	ug/L
Ge	72	407731.466	407731.466		ug/L
Se	77	286.006	0.000	0.168142	ug/L
Se	82	98.419	-0.000	-0.052019	ug/L
Rh	103	286808.217	286808.217		ug/L
Ag	107	95.001	0.000	0.004851	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	19807.238	-0.002	-0.047281	ug/L

99351

Cr	53	4218.109	0.000	0.078886	ug/L
Co	59	130.002	0.000	0.002885	ug/L
Cu	63	1103.084	0.002	0.094806	ug/L
Cu	65	550.034	0.001	0.102454	ug/L
Zn	66	8370.286	0.020	3.263586	ug/L
Zn	68	8220.134	0.016	3.199801	ug/L
Ge	72	403347.848	403347.848		ug/L
Se	77	251.008	0.000	0.011012	ug/L
Se	82	118.171	0.000	0.002557	ug/L
Rh	103	280588.825	280588.825		ug/L
Ag	107	73.001	0.000	0.003841	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	18987.797	-0.003	-0.082143	ug/L
Cr	53	4288.144	0.000	0.112978	ug/L
Co	59	123.002	0.000	0.002238	ug/L
Cu	63	1087.082	0.002	0.092724	ug/L
Cu	65	561.028	0.001	0.110221	ug/L
Zn	66	8864.589	0.021	3.376881	ug/L
Zn	68	8518.438	0.017	3.340308	ug/L
Ge	72	404035.817	404035.817		ug/L
Se	77	292.008	0.000	0.181204	ug/L
Se	82	97.038	-0.000	-0.053302	ug/L
Rh	103	283125.033	283125.033		ug/L
Ag	107	81.001	0.000	0.004119	ug/L

Sample Information

Sample ID: 0B09047-CCV
Autosampler Position: 2
Sample Date/Time: Tuesday, February 09, 2010 20:23:13
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\0B09047-CCV.044
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	616867.127	1.479	41.087233	0.167	0.407	ug/L
	Cr	53	75984.610	0.178	41.164439	0.642	1.561	ug/L
	Co	59	694779.547	1.723	41.432351	0.262	0.633	ug/L
	Cu	63	334346.050	0.828	40.827914	0.393	0.961	ug/L
	Cu	65	159411.882	0.395	41.222230	0.373	0.906	ug/L
	Zn	66	100503.171	0.248	40.601253	0.877	2.160	ug/L
	Zn	68	81968.021	0.199	40.037823	1.104	2.758	ug/L
>	Ge	72	403293.464	403293.464				ug/L
	Se	77	10995.362	0.027	39.886444	1.602	4.017	ug/L
	Se	82	14868.294	0.037	38.702067	1.426	3.684	ug/L
>	Rh	103	288836.233	288836.233				ug/L
	Ag	107	626853.251	2.170	40.060947	0.435	1.087	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.189
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.006
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	622428.009	1.473	40.908244	ug/L
Cr	53	75701.038	0.176	40.427844	ug/L
Co	59	707727.301	1.732	41.851084	ug/L
Cu	63	336281.430	0.822	40.519186	ug/L
Cu	65	160223.209	0.392	40.884662	ug/L
Zn	66	100883.944	0.248	40.246189	ug/L
Zn	68	80747.123	0.193	38.888141	ug/L
Ge	72	408859.328	408859.328		ug/L
Se	77	10857.918	0.025	38.101783	ug/L
Se	82	14468.353	0.035	37.142633	ug/L
Rh	103	286532.808	286532.808		ug/L
Ag	107	621716.880	2.155	39.775786	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	609568.628	1.460	41.119585	ug/L

60353

Cr	53	75808.888	0.180	41.608531	ug/L
Co	59	687234.911	1.728	41.504488	ug/L
Cu	63	333741.062	0.837	41.298845	ug/L
Cu	65	158852.201	0.388	41.623398	ug/L
Zn	66	101688.864	0.258	41.600124	ug/L
Zn	68	83049.519	0.204	41.091362	ug/L
Ge	72	398227.978	398227.978		ug/L
Se	77	11210.646	0.028	41.200672	ug/L
Se	82	15151.788	0.038	39.938888	ug/L
Rh	103	287548.742	287548.742		ug/L
Ag	107	620872.149	2.158	39.844856	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	618878.744	1.488	41.235880	ug/L
Cr	53	76445.788	0.180	41.455844	ug/L
Co	59	688378.429	1.710	41.141483	ug/L
Cu	63	333035.809	0.828	40.894808	ug/L
Cu	65	158080.238	0.384	41.158740	ug/L
Zn	66	98886.888	0.248	39.858444	ug/L
Zn	68	82118.420	0.189	40.132888	ug/L
Ge	72	402983.082	402983.082		ug/L
Se	77	11117.622	0.027	40.356888	ug/L
Se	82	14884.731	0.037	39.024583	ug/L
Rh	103	290427.048	290427.048		ug/L
Ag	107	638170.714	2.187	40.582200	ug/L

Sample Information

Sample ID: 0B09047-CCB
Autosampler Position: 1
Sample Date/Time: Tuesday, February 09, 2010 20:26:43
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B09047.sam
Method File: c:\elandata\Method\Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\0B09047\0B09047-CCB.045
Tuning File: c:\elandata\Tuning\09feb2010_6020a_d.tun
Optimization File: c:\elandata\Optimize\09feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	17703.298	-0.006	-0.154774	0.016	10.540	ug/L
	Cr	53	4091.712	0.000	0.051777	0.028	53.794	ug/L
	Co	59	102.668	0.000	0.001155	0.001	62.663	ug/L
	Cu	63	323.009	0.000	0.000343	0.001	154.317	ug/L
	Cu	65	162.337	0.000	0.002948	0.003	109.417	ug/L
	Zn	66	316.676	0.000	0.003270	0.010	296.389	ug/L
	Zn	68	1849.890	0.000	0.036787	0.012	33.888	ug/L
>	Ge	72	395676.384	395676.384				ug/L
	Se	77	258.340	0.000	0.056760	0.023	39.767	ug/L
	Se	82	127.818	0.000	0.034403	0.050	144.469	ug/L
>	Rh	103	285317.948	285317.948				ug/L
	Ag	107	178.337	0.001	0.010377	0.000	2.101	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	101.240
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.775
	Ag	106.905	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	17654.858	-0.006	-0.155809	ug/L
Cr	53	4138.089	0.000	0.053804	ug/L
Co	59	115.002	0.000	0.001918	ug/L
Cu	63	323.009	0.000	0.000427	ug/L
Cu	65	160.003	0.000	0.002418	ug/L
Zn	66	343.010	0.000	0.014432	ug/L
Zn	68	1874.229	0.000	0.051179	ug/L
Ge	72	394840.319	394840.319		ug/L
Se	77	251.008	0.000	0.031074	ug/L
Se	82	112.889	-0.000	-0.004918	ug/L
Rh	103	282236.706	282236.706		ug/L
Ag	107	178.004	0.001	0.010481	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	18026.857	-0.005	-0.136107	ug/L

00355

	Cr	53	4088.042	0.000	0.038888	ug/L
	Co	59	92.001	0.000	0.000478	ug/L
	Cu	63	320.009	-0.000	-0.000223	ug/L
	Cu	65	152.003	0.000	0.000022	ug/L
	Zn	66	303.009	-0.000	-0.002988	ug/L
	Zn	68	1844.222	0.000	0.029382	ug/L
	Ge	72	387584.309	387584.309		ug/L
	Se	77	264.007	0.000	0.073438	ug/L
	Se	82	122.234	0.000	0.017888	ug/L
	Rh	103	286808.882	286808.882		ug/L
	Ag	107	181.004	0.001	0.010538	ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	17428.380	-0.008	-0.170708	ug/L
Cr	53	4051.028	0.000	0.034438	ug/L
Co	59	101.002	0.000	0.001089	ug/L
Cu	63	328.010	0.000	0.000838	ug/L
Cu	65	175.004	0.000	0.008408	ug/L
Zn	66	304.009	-0.000	-0.001634	ug/L
Zn	68	1831.218	0.000	0.029788	ug/L
Ge	72	384804.533	384804.533		ug/L
Se	77	260.007	0.000	0.085776	ug/L
Se	82	148.330	0.000	0.080267	ug/L
Rh	103	287808.485	287808.485		ug/L
Ag	107	178.004	0.001	0.010127	ug/L

99356

due 505
Cal ID: OB23006

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence

Instrument #: 114
Date: 2-22-10
Analyst: DSI

Data File: OB22027
Calibration BLK/ICB/CCB: 1% HNO3 LOT#1109060
Internal Standard #: 0020464

All samples are run at a 5x dilution which is accounted for on the prep benchsheet

Autosampler Position:

1. BLK/ICB/CCB/9120094
2. ICV/SCV/CCV 40ug/L 0010901
3. STD2 0.2 ug/L 9120100
4. STD3 1.0 ug/L 9120099
5. STD4 10 ug/L 9120098
6. STD5 20 ug/L 9120097
7. STD6 50 ug/L 9120096
8. STD7 100 ug/L 9120095
9. STD1 0.04 ug/L 9120101
10. IFA1 0010903
11. IFB1 0010904

Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor	Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor
Beout									
1/17	1000901-blk2				35/51	1002038-11			
2/18	bs2				36/52	1002038-12			
3/19	1002004-01				37/53	1001061-MS2			
4/20	MS3				38/54	1001061-MSD2			
5/21	MSD3				39/55	SRD3			
6/22	SRD1				40/56	1001061-PS2			
7/23	PS3				41/57	1002038-13			
8/24	-02				42/58	1001063-BLK2			
9/25	-03				43/59	1001063-BS2			
10/26	-04				44/60	1002038-14			
11/27	-05				45/61	1001063-MS2			
12/28	-06				46/62	1001063-MSD2			
13/29	-07				47/63	SRD4			
14/30	-08				48/64	1001063-PS2			
15/31	MS4				49/65	1002038-15			
16/32	MSD4				50/66	1002038-16			
17/33	SRD2				51/67	1002038-17			
18/34	PS4				52/68	1002038-18			
19/35	-09				53/69	1002038-19			
20/36	-10				54/70	1002038-20			
21/37	-11				55/71	1002038-21			
22/38	-12				56/72	1002038-22			
23/39	1001061-BLK2				57/73	1002038-23			
24/40	1001061-BS2				58/74	1002038-24			
25/41	1002038-01				59/75	1001399-BLK2			
26/42	1002038-02				60/76	1001399-BS2			
27/43	1002038-03				61/77	1002144-01			
28/44	1002038-04				62/78	1002144-02			
29/45	1002038-05				63/79	1002144-03			
30/46	1002038-06				64/80	1002144-04			
31/47	1002038-07				65/81	1002144-05			
32/48	1002038-08				66/82	1002144-06			
33/49	1002038-09				67/83	1002144-07			
34/50	1002038-10				68/84	1002144-08			

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence

Instrument #: _____ **Data File:** _____

Date: _____ **Calibration BLK/ICB/CCB:** 1% HNO3 LOT#1109060

Analyst: _____ **Internal Standard #:** _____

All samples are run at a 5x dilution which is accounted for on the prep benchsheet

Autosampler Position:

1. BLK/ICB/CCB/9120094
2. ICV/SCV/CCV 40ug/L 0010901
3. STD2 0.2 ug/L 9120100
4. STD3 1.0 ug/L 9120099
5. STD4 10 ug/L 9120098
6. STD5 20 ug/L 9120097
7. STD6 50 ug/L 9120096
8. STD7 100 ug/L 9120095
9. STD1 0.04 ug/L 9120101
10. IFA1 0010903
11. IFB1 0010904

Analysis #/ Position #	ID	Dilution			Analysis #/ Position #	ID	Dilution		
		Initial Volume (mL)	Final Volume (mL)	Dilution Factor			Initial Volume (mL)	Final Volume (mL)	Dilution Factor
85 1/17	1002144-09				35/51				
6 2/18	1002144-10				36/52				
7 3/19	1002144-11				37/53				
8 4/20	1002144-12				38/54				
9 5/21	1002144-13 0.2-2.0				39/55				
90 6/22	1002144-14 IS				40/56				
1 7/23	1002144-16				41/57				
2 8/24	1002144-17				42/58				
3 9/25	1002144-18				43/59				
4 10/26	1002144-19				44/60				
5 11/27	1001399-MS2				45/61				
6 12/28	1001399-MSD2				46/62				
7 13/29	SRD-5				47/63				
8 14/30	1001399-PS2				48/64				
9 15/31	1001400-BIK2				49/65				
100 16/32	1001400-BS2				50/66				
1 17/33	1002144-20				51/67				
2 18/34	1001400-MS2				52/68				
3 19/35	1001400-MSD2				53/69				
4 20/36	SRD-6				54/70				
5 21/37	1001400-PS2				55/71				
6 22/38	1002144-21				56/72				
7 23/39	1002144-22				57/73				
8 24/40	1002144-23				58/74				
9 25/41	1002144-24				59/75				
110 26/42	1002144-25				60/76				
27/43					61/77				
28/44					62/78				
29/45					63/79				
30/46					64/80				
31/47					65/81				
32/48					66/82				
33/49					67/83				
34/50					68/84				

Instrument Tuning Report

File Name: 22FEB2010_6020A_C.tun
File Path: C:\Elandata\Tuning

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
Li	7.016	7.078	1528	2025	0.847	
Co	58.933	58.877	14181	2005	0.852	
In	114.904	114.878	27843	2000	0.843	
Ba	137.905	137.879	33454	1990	0.876	
Ce	139.905	139.929	33943	1985	0.868	
Tl	204.975	205.027	49830	1980	0.857	

Report Date/Time: Monday, February 22, 2010 13:16:07

00359

Daily Performance Report

Sample ID: 0010896
Sample Date/Time: Monday, February 22, 2010 13:16:28
Sample Description:
Method File: C:\elandata\Method\6020A_Daily.mth
Dataset File: C:\elandata\Dataset\daily performance\0010896.2575
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac
Dual Detector Mode: Dual
Acq. Dead Time(ns): 70
Current Dead Time (ns): 70
Number of Replicates: 6

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Li	7.0	7123.4	7123.384	124.853	1.8
	Co	58.9	81878.6	81878.649	1877.567	2.3
	In	114.9	217854.5	217854.450	2567.497	1.2
	Tl	205.0	167620.4	167620.361	2695.833	1.6
⌈>	Ba	137.9	185978.9	185978.901	2574.041	1.4
⌊	Ba++	69.0	2146.5	0.012	0.000	2.9
⌈>	Ce	139.9	239332.6	239332.650	2227.459	0.9
⌊	CeO	155.9	6377.3	0.027	0.001	3.4
	Bkgd	220.0	3.7	3.667	2.503	68.3

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	7080.508	7080.508
Co	59	82551.289	82551.289
In	115	219169.615	219169.615
Tl	205	165931.192	165931.192
Ba	138	188744.376	188744.376
Ba++	69	2166.328	0.011
Ce	140	239045.150	239045.150
CeO	156	6587.036	0.028
Bkgd	220	5.000	5.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	7284.713	7284.713
Co	59	79698.159	79698.159
In	115	216373.031	216373.031
Tl	205	167026.276	167026.276
Ba	138	188648.377	188648.377
Ba++	69	2137.320	0.011
Ce	140	241399.372	241399.372
CeO	156	6100.604	0.025
Bkgd	220	1.000	1.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	6928.359	6928.359
Co	59	82308.512	82308.512
In	115	221627.589	221627.589
Tl	205	167796.004	167796.004
Ba	138	183268.572	183268.572
Ba++	69	2237.350	0.012
Ce	140	239571.346	239571.346
CeO	156	6514.970	0.027
Bkgd	220	8.000	8.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	7225.653	7225.653
Co	59	84933.980	84933.980
In	115	218361.517	218361.517

Tl	205	164046.399	164046.399
Ba	138	187304.292	187304.292
Ba++	69	2132.318	0.011
Ce	140	242222.547	242222.547
CeO	156	6350.822	0.026
Bkgd	220	3.000	3.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	7085.513	7085.513
Co	59	81577.194	81577.194
In	115	217541.029	217541.029
Tl	205	171908.069	171908.069
Ba	138	184678.681	184678.681
Ba++	69	2087.305	0.011
Ce	140	236910.778	236910.778
CeO	156	6200.690	0.026
Bkgd	220	2.000	2.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	7135.562	7135.562
Co	59	80202.760	80202.760
In	115	214053.921	214053.921
Tl	205	169014.226	169014.226
Ba	138	183229.105	183229.105
Ba++	69	2118.314	0.012
Ce	140	236846.704	236846.704
CeO	156	6509.965	0.027
Bkgd	220	3.000	3.000

Sample/Batch Report

User Name: Administrator
Computer Name: ELAN6000_22
Sample File: C:\Elandata\Sample\0B22027.sam
Report Date/Time: Monday, February 22, 2010 13:30:49

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
17		1000901-BLK2		Sample					
18		1000901-BS2		Sample					
19		1002004-01		Sample					
20		1000901-MS3		Sample					
21		1000901-MSD3		Sample					
22		0B22027-SRD1		Sample					
23		1000901-PS3		Sample					
24		1002004-02		Sample					
25		1002004-03		Sample					
26		1002004-04		Sample					
27		1002004-05		Sample					
28		1002004-06		Sample					
29		1002004-07		Sample					
30		1002004-08		Sample					
31		1000901-MS4		Sample					
32		1000901-MSD4		Sample					
33		0B22027-SRD2		Sample					
34		1000901-PS4		Sample					
35		1002004-09		Sample					
36		1002004-10		Sample					
37		1002004-11		Sample					
38		1002004-12		Sample					

Sample Information

Sample ID: 0B22027-CAL1
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 13:31:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CAL1.001
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	362041.222					ug/L
⌊	Be	9	1.667					ug/L
⌈	V	51	2577.954					ug/L
|	Cu	63	162.003					ug/L
|	Cu	65	85.001					ug/L
|	Zn	66	122.336					ug/L
|	Zn	68	259.007					ug/L
|>	Ge	72	248920.391					ug/L
|	As	75	46.830					ug/L
|	Se	77	128.002					ug/L
⌊	Se	82	-60.127					ug/L
⌈>	Rh	103	298542.747					ug/L
|	Ag	107	15.334					ug/L
|	Cd	111	0.745					ug/L
⌊	Cd	114	8.620					ug/L
⌈>	In	115	243499.506					ug/L
|	Sb	121	64.001					ug/L
⌊	Sb	123	43.164					ug/L
⌈	Tl	203	39.334					ug/L
|	Tl	205	86.335					ug/L
|	Pb	208	542.013					ug/L
⌊>	Bi	209	331417.847					ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	

00363

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	387423.562			ug/L
Be	9	2.000			ug/L
V	51	2632.802			ug/L
Cu	63	170.004			ug/L
Cu	65	86.001			ug/L
Zn	66	128.002			ug/L
Zn	68	283.007			ug/L
Ge	72	251389.988			ug/L
As	75	49.179			ug/L
Se	77	143.082			ug/L
Se	82	-73.938			ug/L
Rh	103	266407.738			ug/L
Ag	107	16.000			ug/L
Cd	111	0.188			ug/L
Cd	114	6.087			ug/L
In	115	248804.306			ug/L
Sb	121	63.001			ug/L
Sb	123	43.623			ug/L
Tl	203	41.001			ug/L
Tl	205	79.001			ug/L
Pb	208	543.014			ug/L
Bi	209	336084.844			ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	380139.231			ug/L
Be	9	2.000			ug/L
V	51	2536.940			ug/L
Cu	63	168.004			ug/L
Cu	65	82.001			ug/L
Zn	66	131.003			ug/L
Zn	68	278.008			ug/L
Ge	72	248841.792			ug/L
As	75	-4.103			ug/L
Se	77	119.002			ug/L
Se	82	-37.513			ug/L
Rh	103	297839.804			ug/L
Ag	107	15.000			ug/L
Cd	111	0.238			ug/L
Cd	114	8.041			ug/L
In	115	242515.143			ug/L
Sb	121	62.001			ug/L
Sb	123	41.497			ug/L
Tl	203	42.001			ug/L
Tl	205	95.002			ug/L
Pb	208	564.014			ug/L
Bi	209	329856.875			ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	358582.884			ug/L
Be	9	1.000			ug/L
V	51	2575.120			ug/L
Cu	63	148.003			ug/L
Cu	65	87.001			ug/L
Zn	66	108.002			ug/L
Zn	68	238.008			ug/L
Ge	72	244823.397			ug/L
As	75	95.416			ug/L
Se	77	122.002			ug/L
Se	82	48.930			ug/L
Rh	103	302589.899			ug/L
Ag	107	13.000			ug/L
Cd	111	1.839			ug/L
Cd	114	11.733			ug/L
In	115	241079.071			ug/L
Sb	121	66.001			ug/L
Sb	123	44.371			ug/L
Tl	203	35.000			ug/L
Tl	205	85.001			ug/L
Pb	208	519.013			ug/L
Bi	209	331510.723			ug/L

2035

Sample Information

Sample ID: 0B22027-CAL2
Autosampler Position: 9
Sample Date/Time: Monday, February 22, 2010 13:35:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CAL2.002
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	351437.807	351437.807				ug/L
	Be	9	11.000	0.000				ug/L
	V	51	2850.665	0.001				ug/L
	Cu	63	466.687	0.001				ug/L
	Cu	65	242.673	0.001				ug/L
	Zn	66	540.026	0.002				ug/L
	Zn	68	538.692	0.001				ug/L
>	Ge	72	249215.107	249215.107				ug/L
	As	75	36.748	-0.000				ug/L
	Se	77	118.335	-0.000				ug/L
	Se	82	-45.352	0.000				ug/L
>	Rh	103	300032.122	300032.122				ug/L
	Ag	107	289.675	0.001	0.040000	0.003	7.885	ug/L
	Cd	111	68.998	0.000	0.040000	0.005	12.358	ug/L
	Cd	114	157.837	0.000	0.040000	0.003	6.378	ug/L
>	In	115	241665.695	241665.695				ug/L
	Sb	121	302.009	0.001				ug/L
	Sb	123	242.254	0.001				ug/L
	Tl	203	331.678	0.001	0.040000	0.003	7.051	ug/L
	Tl	205	771.383	0.002	0.040000	0.001	1.945	ug/L
	Pb	208	2106.142	0.005				ug/L
>	Bi	209	334153.059	334153.059				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	351816.422	351816.422		ug/L
Be	9	7.000	0.000		ug/L
V	51	2771.880	0.001		ug/L
Cu	63	477.021	0.001		ug/L
Cu	65	246.007	0.001		ug/L
Zn	66	530.026	0.002		ug/L
Zn	68	535.026	0.001		ug/L
Ge	72	253436.178	253436.178		ug/L
As	75	60.772	0.000		ug/L
Se	77	111.002	0.000		ug/L
Se	82	-60.812	0.000		ug/L
Rh	103	298138.710	298138.710		ug/L
Ag	107	284.008	0.001	0.036512	ug/L
Cd	111	58.934	0.000	0.034337	ug/L
Cd	114	149.313	0.000	0.037974	ug/L
In	115	238340.320	238340.320		ug/L
Sb	121	303.008	0.001		ug/L
Sb	123	260.379	0.001		ug/L
Tl	203	330.011	0.001	0.036896	ug/L
Tl	205	775.050	0.002	0.040321	ug/L
Pb	208	2058.136	0.006		ug/L
Bi	209	333410.156	333410.156		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	350529.393	350529.393		ug/L
Be	9	13.000	0.000		ug/L
V	51	2835.716	0.001		ug/L
Cu	63	453.019	0.001		ug/L
Cu	65	238.006	0.001		ug/L
Zn	66	544.026	0.002		ug/L
Zn	68	539.026	0.001		ug/L
Ge	72	248016.823	248016.823		ug/L
As	75	-9.388	-0.000		ug/L
Se	77	122.002	-0.000		ug/L
Se	82	28.580	0.000		ug/L
Rh	103	300718.574	300718.574		ug/L
Ag	107	295.009	0.001	0.040837	ug/L
Cd	111	72.907	0.000	0.042213	ug/L
Cd	114	158.888	0.001	0.042868	ug/L
In	115	245753.001	245753.001		ug/L
Sb	121	279.008	0.001		ug/L
Sb	123	218.502	0.001		ug/L
Tl	203	357.012	0.001	0.042871	ug/L
Tl	205	791.052	0.002	0.040568	ug/L
Pb	208	2181.151	0.006		ug/L
Bi	209	338462.706	338462.706		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	351987.806	351987.806		ug/L
Be	9	13.000	0.000		ug/L
V	51	2844.600	0.002		ug/L
Cu	63	470.020	0.001		ug/L
Cu	65	244.007	0.001		ug/L
Zn	66	546.026	0.002		ug/L
Zn	68	542.026	0.001		ug/L
Ge	72	246193.321	246193.321		ug/L
As	75	36.881	0.000		ug/L
Se	77	122.002	-0.000		ug/L
Se	82	-46.686	0.000		ug/L
Rh	103	301243.083	301243.083		ug/L
Ag	107	308.010	0.001	0.042661	ug/L
Cd	111	75.153	0.000	0.043450	ug/L
Cd	114	155.313	0.000	0.039181	ug/L
In	115	239903.763	239903.763		ug/L
Sb	121	324.011	0.001		ug/L
Sb	123	247.881	0.001		ug/L
Tl	203	308.010	0.001	0.037234	ug/L
Tl	205	748.047	0.002	0.038113	ug/L
Pb	208	2079.140	0.005		ug/L
Bi	209	330588.315	330588.315		ug/L

02366

Sample Information

Sample ID: 0B22027-CAL3
Autosampler Position: 3
Sample Date/Time: Monday, February 22, 2010 13:39:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CAL3.003
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	349470.450	349470.450				ug/L
⌊	Be	9	38.667	0.000	0.200000	0.023	11.516	ug/L
⌈	V	51	4044.259	0.006	0.200000	0.015	7.376	ug/L
|	Cu	63	959.074	0.003	0.200000	0.010	5.232	ug/L
|	Cu	65	474.021	0.002	0.200000	0.016	7.856	ug/L
|	Zn	66	336.345	0.001	0.200000	0.022	10.933	ug/L
|	Zn	68	405.349	0.001	0.200000	0.013	6.313	ug/L
\>	Ge	72	247293.073	247293.073				ug/L
|	As	75	334.437	0.001	0.200000	0.041	20.685	ug/L
|	Se	77	131.336	0.000	0.200000	0.293	146.643	ug/L
⌊	Se	82	-19.719	0.000	0.200000	0.088	44.151	ug/L
⌈>	Rh	103	296443.738	296443.738				ug/L
|	Ag	107	1462.498	0.005	0.200494	0.003	1.288	ug/L
|	Cd	111	342.377	0.001	0.200104	0.006	3.236	ug/L
⌊	Cd	114	831.193	0.003	0.200806	0.008	3.843	ug/L
⌈>	In	115	238406.996	238406.996				ug/L
|	Sb	121	1204.114	0.005	0.200000	0.007	3.505	ug/L
⌊	Sb	123	913.480	0.004	0.200000	0.004	2.098	ug/L
⌈	Tl	203	1432.158	0.004	0.199730	0.004	2.119	ug/L
|	Tl	205	3470.544	0.010	0.200010	0.003	1.322	ug/L
|	Pb	208	5207.124	0.014	0.200000	0.003	1.711	ug/L
⌊>	Bi	209	330161.315	330161.315				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
\>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	

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	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
U	6	353086.277	353086.277		ug/L
Be	9	36.000	0.000	0.183446	ug/L
V	51	4016.787	0.008	0.189843	ug/L
Cu	63	978.079	0.002	0.201240	ug/L
Cu	65	478.031	0.002	0.198982	ug/L
Zn	66	346.012	0.001	0.208184	ug/L
Zn	68	402.016	0.001	0.188808	ug/L
Ge	72	250367.412	250367.412		ug/L
As	75	367.470	0.001	0.219819	ug/L
Se	77	136.003	0.000	0.488218	ug/L
Se	82	6.889	0.000	0.285878	ug/L
Rh	103	298889.461	298889.461		ug/L
Ag	107	1457.183	0.008	0.199808	ug/L
Cd	111	346.712	0.001	0.203671	ug/L
Cd	114	802.088	0.003	0.183544	ug/L
In	115	237654.798	237654.798		ug/L
Sb	121	1230.118	0.006	0.206226	ug/L
Sb	123	914.318	0.004	0.200888	ug/L
Tl	203	1473.187	0.004	0.204489	ug/L
Tl	205	3439.882	0.010	0.197086	ug/L
Pb	208	5224.787	0.014	0.199309	ug/L
Bi	209	331987.108	331987.108		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
U	6	350487.408	350487.408		ug/L
Be	9	37.000	0.000	0.190251	ug/L
V	51	4184.731	0.007	0.216890	ug/L
Cu	63	914.088	0.003	0.188971	ug/L
Cu	65	444.016	0.001	0.184616	ug/L
Zn	66	358.012	0.001	0.218522	ug/L
Zn	68	415.016	0.001	0.213887	ug/L
Ge	72	246997.386	246997.386		ug/L
As	75	266.858	0.001	0.152448	ug/L
Se	77	125.002	-0.000	-0.097191	ug/L
Se	82	-39.784	0.000	0.090086	ug/L
Rh	103	295477.538	295477.538		ug/L
Ag	107	1443.160	0.008	0.198473	ug/L
Cd	111	329.523	0.001	0.192630	ug/L
Cd	114	851.624	0.003	0.208810	ug/L
In	115	238461.287	238461.287		ug/L
Sb	121	1220.116	0.005	0.202742	ug/L
Sb	123	893.813	0.004	0.195441	ug/L
Tl	203	1434.158	0.004	0.198391	ug/L
Tl	205	3511.886	0.010	0.200780	ug/L
Pb	208	5175.781	0.014	0.198836	ug/L
Bi	209	332824.777	332824.777		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
U	6	344828.667	344828.667		ug/L
Be	9	43.001	0.000	0.226303	ug/L
V	51	3991.258	0.008	0.193469	ug/L
Cu	63	987.078	0.003	0.209790	ug/L
Cu	65	500.023	0.002	0.216192	ug/L
Zn	66	307.010	0.001	0.178016	ug/L
Zn	68	399.018	0.001	0.197508	ug/L
Ge	72	244524.422	244524.422		ug/L
As	75	370.172	0.001	0.227732	ug/L
Se	77	130.002	0.000	0.207973	ug/L
Se	82	-12.724	0.000	0.234457	ug/L
Rh	103	297184.215	297184.215		ug/L
Ag	107	1487.170	0.009	0.203403	ug/L
Cd	111	349.667	0.001	0.204010	ug/L
Cd	114	829.856	0.003	0.199084	ug/L
In	115	239104.903	239104.903		ug/L
Sb	121	1162.108	0.006	0.192033	ug/L
Sb	123	932.318	0.004	0.203701	ug/L
Tl	203	1366.149	0.004	0.186329	ug/L
Tl	205	3458.872	0.010	0.202184	ug/L
Pb	208	5220.804	0.014	0.203644	ug/L
Bi	209	325672.084	325672.084		ug/L

Sample ID: 0B22027-CAL3
Report Date/Time: Monday, February 22, 2010 13:41:40

Sample Information

Sample ID: 0B22027-CAL4
Autosampler Position: 4
Sample Date/Time: Monday, February 22, 2010 13:43:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CAL4.004
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	348373.001	348373.001				ug/L
⌊	Be	9	212.005	0.001	1.004698	0.059	5.853	ug/L
⌈	V	51	9967.337	0.030	0.999912	0.027	2.715	ug/L
|	Cu	63	4214.285	0.016	1.000565	0.014	1.429	ug/L
|	Cu	65	1969.625	0.008	0.998687	0.021	2.069	ug/L
|	Zn	66	1176.109	0.004	0.999280	0.032	3.161	ug/L
|	Zn	68	1024.750	0.003	1.001332	0.028	2.793	ug/L
|>	Ge	72	247459.486	247459.486				ug/L
|	As	75	1260.942	0.005	0.992887	0.009	0.913	ug/L
|	Se	77	218.672	0.000	1.030648	0.160	15.505	ug/L
⌊	Se	82	58.933	0.000	0.974409	0.278	28.573	ug/L
⌈>	Rh	103	297613.018	297613.018				ug/L
|	Ag	107	7449.959	0.025	1.001007	0.017	1.701	ug/L
|	Cd	111	1742.666	0.006	1.000645	0.024	2.360	ug/L
⌊	Cd	114	4168.869	0.014	1.000455	0.023	2.289	ug/L
⌈>	In	115	241161.529	241161.529				ug/L
|	Sb	121	5781.730	0.024	0.999630	0.018	1.754	ug/L
⌊	Sb	123	4406.900	0.018	0.999629	0.018	1.822	ug/L
⌈	Tl	203	7224.391	0.022	1.000882	0.010	1.018	ug/L
|	Tl	205	17269.023	0.052	1.000305	0.004	0.412	ug/L
|	Pb	208	23930.199	0.070	0.999787	0.007	0.699	ug/L
⌊>	Bi	209	332663.170	332663.170				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	

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	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	345041.580	345041.580		ug/L
Be	9	224.006	0.001	1.071998	ug/L
V	51	10108.331	0.030	1.007077	ug/L
Cu	63	4236.299	0.016	0.987678	ug/L
Cu	65	1943.284	0.007	0.975983	ug/L
Zn	66	1179.109	0.004	0.992784	ug/L
Zn	68	1014.082	0.003	0.976172	ug/L
Ge	72	249661.940	249661.940		ug/L
As	75	1282.197	0.005	1.001500	ug/L
Se	77	233.006	0.000	1.170833	ug/L
Se	82	37.153	0.000	0.782038	ug/L
Rh	103	298061.566	298061.566		ug/L
Ag	107	7276.780	0.029	0.983186	ug/L
Cd	111	1732.503	0.006	0.999988	ug/L
Cd	114	4084.867	0.014	0.987832	ug/L
In	115	242306.770	242306.770		ug/L
Sb	121	5693.328	0.023	0.979428	ug/L
Sb	123	4344.881	0.018	0.980886	ug/L
Tl	203	7295.797	0.022	1.010314	ug/L
Tl	205	17274.036	0.052	1.000087	ug/L
Pb	208	23844.782	0.070	0.995816	ug/L
Bi	209	332632.107	332632.107		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	350840.881	350840.881		ug/L
Be	9	208.005	0.001	0.978868	ug/L
V	51	9735.877	0.029	0.969803	ug/L
Cu	63	4159.252	0.016	0.987933	ug/L
Cu	65	1977.263	0.008	1.003868	ug/L
Zn	66	1211.116	0.004	1.033807	ug/L
Zn	68	1026.083	0.003	0.998387	ug/L
Ge	72	247219.880	247219.880		ug/L
As	75	1248.131	0.005	0.983427	ug/L
Se	77	203.006	0.000	0.856842	ug/L
Se	82	42.200	0.000	0.838303	ug/L
Rh	103	297088.389	297088.389		ug/L
Ag	107	7448.957	0.025	1.009708	ug/L
Cd	111	1781.318	0.006	1.024583	ug/L
Cd	114	4271.381	0.014	1.026881	ug/L
In	115	241742.310	241742.310		ug/L
Sb	121	5880.462	0.024	1.010887	ug/L
Sb	123	4493.703	0.018	1.017019	ug/L
Tl	203	7148.646	0.021	0.990077	ug/L
Tl	205	17341.188	0.052	1.004532	ug/L
Pb	208	23836.627	0.070	0.995695	ug/L
Bi	209	332665.140	332665.140		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	349436.751	349436.751		ug/L
Be	9	204.005	0.001	0.963230	ug/L
V	51	10080.804	0.031	1.022758	ug/L
Cu	63	4245.304	0.017	1.016086	ug/L
Cu	65	1988.297	0.009	1.018414	ug/L
Zn	66	1136.102	0.004	0.971438	ug/L
Zn	68	1040.086	0.003	1.031438	ug/L
Ge	72	245606.626	245606.626		ug/L
As	75	1252.497	0.005	0.993733	ug/L
Se	77	220.006	0.000	1.064788	ug/L
Se	82	97.448	0.001	1.294888	ug/L
Rh	103	299898.070	299898.070		ug/L
Ag	107	7622.141	0.026	1.017118	ug/L
Cd	111	1714.177	0.006	0.977353	ug/L
Cd	114	4140.338	0.014	0.986841	ug/L
In	115	239436.508	239436.508		ug/L
Sb	121	5791.406	0.024	1.005576	ug/L
Sb	123	4382.136	0.018	1.001172	ug/L
Tl	203	7230.730	0.022	1.002254	ug/L
Tl	205	17191.828	0.051	0.995288	ug/L
Pb	208	24107.190	0.071	1.007850	ug/L
Bi	209	332502.262	332502.262		ug/L

Sample ID: 0B22027-CAL4
Report Date/Time: Monday, February 22, 2010 13:45:40

Sample Information

Sample ID: 0B22027-CAL5
Autosampler Position: 5
Sample Date/Time: Monday, February 22, 2010 13:47:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CAL5.005
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	346664.691	346664.691				ug/L
	Be	9	2217.033	0.006	10.006107	0.330	3.300	ug/L
	V	51	80637.265	0.316	10.005356	0.203	2.026	ug/L
	Cu	63	42320.119	0.170	10.004071	0.203	2.034	ug/L
	Cu	65	20231.817	0.081	10.006539	0.187	1.872	ug/L
	Zn	66	11260.315	0.045	10.005475	0.170	1.694	ug/L
	Zn	68	8215.137	0.032	10.003856	0.116	1.161	ug/L
>	Ge	72	247351.868	247351.868				ug/L
	As	75	13406.477	0.054	10.008765	0.282	2.820	ug/L
	Se	77	1107.764	0.004	10.009919	0.321	3.211	ug/L
	Se	82	1344.151	0.006	10.013558	0.266	2.657	ug/L
>	Rh	103	293659.554	293659.554				ug/L
	Ag	107	77541.412	0.264	10.005653	0.143	1.426	ug/L
	Cd	111	18427.976	0.063	10.006996	0.212	2.121	ug/L
	Cd	114	43266.420	0.147	10.005308	0.238	2.380	ug/L
>	In	115	240769.797	240769.797				ug/L
	Sb	121	59771.980	0.248	10.004485	0.155	1.553	ug/L
	Sb	123	45751.586	0.190	10.004797	0.275	2.745	ug/L
	Tl	203	76290.053	0.231	10.006760	0.157	1.566	ug/L
	Tl	205	179156.805	0.542	10.004937	0.115	1.152	ug/L
	Pb	208	244793.826	0.740	10.005090	0.082	0.818	ug/L
>	Bi	209	330210.985	330210.985				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	

	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	344297.958	344297.958		ug/L
Be	9	2242.374	0.007	10.167802	ug/L
V	51	79873.144	0.309	9.808813	ug/L
Cu	63	42511.566	0.170	9.962838	ug/L
Cu	65	20077.378	0.080	9.838846	ug/L
Zn	66	11158.823	0.044	9.818731	ug/L
Zn	68	8200.787	0.032	9.866892	ug/L
Ge	72	248734.147	248734.147		ug/L
As	75	13098.443	0.052	9.662868	ug/L
Se	77	1082.093	0.004	9.640763	ug/L
Se	82	1335.498	0.006	9.860322	ug/L
Rh	103	284942.070	284942.070		ug/L
Ag	107	76724.629	0.280	9.856749	ug/L
Cd	111	18145.464	0.062	9.810536	ug/L
Cd	114	42579.188	0.144	9.803389	ug/L
In	115	243563.056	243563.056		ug/L
Sb	121	59380.475	0.244	9.825408	ug/L
Sb	123	44834.086	0.184	9.686889	ug/L
Tl	203	77435.242	0.236	10.188171	ug/L
Tl	205	179871.880	0.546	10.079227	ug/L
Pb	208	243828.380	0.739	9.968367	ug/L
Bi	209	329256.986	329256.986		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	350823.036	350823.036		ug/L
Be	9	2158.348	0.006	9.624975	ug/L
V	51	81928.746	0.322	10.213654	ug/L
Cu	63	41418.154	0.167	9.831058	ug/L
Cu	65	20098.432	0.081	9.980168	ug/L
Zn	66	11374.162	0.046	10.149581	ug/L
Zn	68	8182.766	0.032	10.006596	ug/L
Ge	72	246321.636	246321.636		ug/L
As	75	13562.758	0.056	10.166745	ug/L
Se	77	1116.099	0.004	10.161341	ug/L
Se	82	1381.543	0.006	10.320826	ug/L
Rh	103	293828.464	293828.464		ug/L
Ag	107	77692.011	0.284	10.018956	ug/L
Cd	111	18853.747	0.064	10.232198	ug/L
Cd	114	44427.502	0.151	10.267874	ug/L
In	115	238922.036	238922.036		ug/L
Sb	121	59909.790	0.250	10.104146	ug/L
Sb	123	45983.497	0.192	10.131584	ug/L
Tl	203	75888.782	0.228	9.898972	ug/L
Tl	205	177801.488	0.535	9.972171	ug/L
Pb	208	244281.043	0.734	9.928784	ug/L
Bi	209	332106.421	332106.421		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	344773.077	344773.077		ug/L
Be	9	2249.377	0.007	10.205844	ug/L
V	51	80109.808	0.315	9.983302	ug/L
Cu	63	43029.848	0.174	10.226217	ug/L
Cu	65	20521.642	0.083	10.205807	ug/L
Zn	66	11246.980	0.045	10.048123	ug/L
Zn	68	8261.858	0.033	10.119079	ug/L
Ge	72	245999.821	245999.821		ug/L
As	75	13558.229	0.056	10.176880	ug/L
Se	77	1123.100	0.004	10.227653	ug/L
Se	82	1315.414	0.006	9.856525	ug/L
Rh	103	292210.128	292210.128		ug/L
Ag	107	78207.597	0.288	10.141256	ug/L
Cd	111	18284.717	0.063	9.978286	ug/L
Cd	114	42782.589	0.146	9.944880	ug/L
In	115	239824.298	239824.298		ug/L
Sb	121	60015.675	0.250	10.083902	ug/L
Sb	123	46437.172	0.193	10.193107	ug/L
Tl	203	75546.156	0.229	9.937136	ug/L
Tl	205	179687.088	0.545	10.083414	ug/L
Pb	208	246172.055	0.746	10.090116	ug/L
Bi	209	329270.571	329270.571		ug/L

99372

Sample Information

Sample ID: 0B22027-CAL6
Autosampler Position: 6
Sample Date/Time: Monday, February 22, 2010 13:51:51
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CAL6.006
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	343208.165	343208.165				ug/L
⌊	Be	9	4345.032	0.013	19.961791	0.446	2.232	ug/L
⌈	V	51	152434.919	0.614	19.889119	0.040	0.203	ug/L
|	Cu	63	79172.175	0.324	19.789113	0.230	1.163	ug/L
|	Cu	65	38295.771	0.157	19.839370	0.237	1.197	ug/L
|	Zn	66	20812.487	0.085	19.752559	0.124	0.627	ug/L
|	Zn	68	15124.149	0.061	19.776679	0.389	1.967	ug/L
|>	Ge	72	244133.425	244133.425				ug/L
|	As	75	26087.763	0.107	19.951873	0.316	1.584	ug/L
|	Se	77	2120.669	0.008	20.124148	0.591	2.939	ug/L
⌊	Se	82	2713.558	0.011	20.007409	0.770	3.848	ug/L
⌈>	Rh	103	288089.445	288089.445				ug/L
|	Ag	107	149117.595	0.518	19.921169	0.143	0.720	ug/L
|	Cd	111	35132.099	0.122	19.886135	0.327	1.643	ug/L
⌊	Cd	114	81052.658	0.281	19.813318	0.058	0.292	ug/L
⌈>	In	115	237199.348	237199.348				ug/L
|	Sb	121	118731.917	0.500	20.036372	0.279	1.390	ug/L
⌊	Sb	123	90525.528	0.381	20.020307	0.424	2.119	ug/L
⌈	Tl	203	146431.315	0.450	19.900639	0.175	0.881	ug/L
|	Tl	205	348794.298	1.073	19.957924	0.266	1.333	ug/L
|	Pb	208	470103.279	1.445	19.905646	0.210	1.055	ug/L
⌊>	Bi	209	325046.053	325046.053				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	

	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	345152.775	345152.775		ug/L
Be	9	4264.316	0.012	19.478801	ug/L
V	51	151937.729	0.613	19.842748	ug/L
Cu	63	80104.463	0.329	20.041777	ug/L
Cu	65	38322.912	0.157	19.872138	ug/L
Zn	66	20758.331	0.086	19.718534	ug/L
Zn	68	15413.767	0.062	20.181107	ug/L
Ge	72	243866.486	243866.486		ug/L
As	75	25581.177	0.105	19.580617	ug/L
Se	77	2051.318	0.008	19.446178	ug/L
Se	82	2668.847	0.011	19.701696	ug/L
Rh	103	288430.009	288430.009		ug/L
Ag	107	148832.970	0.515	19.832484	ug/L
Cd	111	34788.247	0.121	19.671684	ug/L
Cd	114	61402.101	0.282	19.875208	ug/L
In	115	238497.384	238497.384		ug/L
Sb	121	117484.468	0.492	19.716986	ug/L
Sb	123	89431.384	0.375	19.668658	ug/L
Tl	203	146401.588	0.446	19.722497	ug/L
Tl	205	352121.941	1.074	19.871054	ug/L
Pb	208	466608.580	1.427	19.883889	ug/L
Bi	209	327909.020	327909.020		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	341274.813	341274.813		ug/L
Be	9	4408.403	0.013	20.356874	ug/L
V	51	152086.079	0.615	19.916516	ug/L
Cu	63	78872.887	0.323	19.734330	ug/L
Cu	65	38581.300	0.156	20.058761	ug/L
Zn	66	20829.956	0.084	19.649256	ug/L
Zn	68	15045.980	0.061	19.743800	ug/L
Ge	72	243261.362	243261.362		ug/L
As	75	26288.856	0.108	20.176862	ug/L
Se	77	2140.342	0.008	20.400479	ug/L
Se	82	2625.040	0.012	20.883097	ug/L
Rh	103	289479.210	289479.210		ug/L
Ag	107	149262.910	0.516	19.844353	ug/L
Cd	111	35016.648	0.121	19.724534	ug/L
Cd	114	61227.862	0.281	19.760772	ug/L
In	115	237183.732	237183.732		ug/L
Sb	121	116987.597	0.505	20.228630	ug/L
Sb	123	89987.946	0.379	19.903404	ug/L
Tl	203	148238.882	0.454	20.073017	ug/L
Tl	205	345303.620	1.058	19.866480	ug/L
Pb	208	475045.080	1.455	20.041466	ug/L
Bi	209	326223.392	326223.392		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343198.809	343198.809		ug/L
Be	9	4364.377	0.013	20.049899	ug/L
V	51	153270.952	0.618	19.908084	ug/L
Cu	63	79739.397	0.326	19.581232	ug/L
Cu	65	37983.101	0.155	19.587214	ug/L
Zn	66	21061.185	0.085	19.869988	ug/L
Zn	68	14912.700	0.060	19.405131	ug/L
Ge	72	245242.426	245242.426		ug/L
As	75	26385.258	0.107	20.088438	ug/L
Se	77	2170.351	0.008	20.526787	ug/L
Se	82	2646.788	0.011	19.437438	ug/L
Rh	103	286359.115	286359.115		ug/L
Ag	107	148456.808	0.522	20.086869	ug/L
Cd	111	35583.404	0.124	20.282187	ug/L
Cd	114	80638.013	0.281	19.803972	ug/L
In	115	235816.918	235816.918		ug/L
Sb	121	118643.688	0.503	20.163498	ug/L
Sb	123	92157.245	0.390	20.490868	ug/L
Tl	203	144666.814	0.451	19.908403	ug/L
Tl	205	348957.132	1.087	20.217238	ug/L
Pb	208	468756.188	1.452	20.011806	ug/L
Bi	209	321005.748	321005.748		ug/L

99374

Sample Information

Sample ID: 0B22027-CAL7
Autosampler Position: 7
Sample Date/Time: Monday, February 22, 2010 13:55:49
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CAL7.007
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	342747.716	342747.716				ug/L
⌊	Be	9	10671.408	0.031	49.848503	1.429	2.866	ug/L
⌈	V	51	374840.964	1.554	50.054652	0.223	0.445	ug/L
|	Cu	63	195089.974	0.813	49.956112	0.436	0.873	ug/L
|	Cu	65	93625.911	0.390	49.911800	0.329	0.659	ug/L
|	Zn	66	50540.348	0.210	49.836442	0.126	0.252	ug/L
|	Zn	68	36956.061	0.153	49.955315	0.351	0.702	ug/L
|>	Ge	72	239638.721	239638.721				ug/L
|	As	75	63802.288	0.266	49.961423	1.272	2.545	ug/L
|	Se	77	4964.442	0.020	49.959194	1.576	3.154	ug/L
⌊	Se	82	6559.279	0.028	49.769144	1.298	2.608	ug/L
⌈>	Rh	103	291202.902	291202.902				ug/L
|	Ag	107	366913.209	1.260	49.742577	0.517	1.040	ug/L
|	Cd	111	85156.800	0.292	49.597975	0.226	0.456	ug/L
⌊	Cd	114	200980.448	0.690	49.762795	0.762	1.532	ug/L
⌈>	In	115	235453.337	235453.337				ug/L
|	Sb	121	292417.965	1.242	49.955026	1.022	2.047	ug/L
⌊	Sb	123	222675.524	0.946	49.937637	1.213	2.429	ug/L
⌈	Tl	203	356666.574	1.106	49.809974	0.569	1.143	ug/L
|	Tl	205	863647.928	2.679	49.972463	0.416	0.832	ug/L
|	Pb	208	1163261.777	3.607	49.949654	0.371	0.743	ug/L
⌊>	Bi	209	322354.290	322354.290				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	345782.641	345782.641		ug/L
Be	9	10412.688	0.030	48.204047	ug/L
V	51	378287.380	1.561	50.269864	ug/L
Cu	63	196482.879	0.816	50.080003	ug/L
Cu	65	93382.514	0.388	49.566294	ug/L
Zn	66	50819.233	0.210	49.681433	ug/L
Zn	68	36825.048	0.152	49.552910	ug/L
Ge	72	240710.052	240710.052		ug/L
As	75	62687.000	0.260	48.662838	ug/L
Se	77	4878.714	0.020	48.842718	ug/L
Se	82	6419.381	0.027	48.498228	ug/L
Rh	103	293806.624	293806.624		ug/L
Ag	107	366148.687	1.248	49.180489	ug/L
Cd	111	66130.588	0.293	49.703533	ug/L
Cd	114	200027.153	0.681	49.085386	ug/L
In	115	237323.988	237323.988		ug/L
Sb	121	268208.383	1.214	48.641923	ug/L
Sb	123	218930.281	0.922	48.703226	ug/L
Tl	203	357481.150	1.104	49.702788	ug/L
Tl	205	864447.323	2.670	49.789111	ug/L
Pb	208	1160451.574	3.583	49.610093	ug/L
Bi	209	323787.320	323787.320		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342646.298	342646.298		ug/L
Be	9	10821.298	0.032	50.556014	ug/L
V	51	376232.909	1.563	50.026870	ug/L
Cu	63	194033.016	0.806	49.471316	ug/L
Cu	65	94608.343	0.393	50.219134	ug/L
Zn	66	50835.784	0.211	49.913620	ug/L
Zn	68	37236.178	0.154	50.119028	ug/L
Ge	72	240686.624	240686.624		ug/L
As	75	63708.494	0.265	49.667048	ug/L
Se	77	4918.743	0.020	49.273283	ug/L
Se	82	6681.702	0.028	49.720846	ug/L
Rh	103	291482.269	291482.269		ug/L
Ag	107	370850.116	1.272	50.199078	ug/L
Cd	111	64792.314	0.291	48.338071	ug/L
Cd	114	200716.293	0.888	49.644793	ug/L
In	115	236086.906	236086.906		ug/L
Sb	121	264504.587	1.247	50.170768	ug/L
Sb	123	223502.588	0.947	49.981368	ug/L
Tl	203	350995.469	1.095	49.301836	ug/L
Tl	205	866862.429	2.704	50.446811	ug/L
Pb	208	1165780.036	3.638	50.345509	ug/L
Bi	209	320504.982	320504.982		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339804.212	339804.212		ug/L
Be	9	10780.237	0.032	50.785448	ug/L
V	51	370022.624	1.547	49.647433	ug/L
Cu	63	194783.027	0.819	50.317018	ug/L
Cu	65	92878.878	0.391	49.980972	ug/L
Zn	66	50166.049	0.211	49.904372	ug/L
Zn	68	36808.958	0.154	50.194008	ug/L
Ge	72	237539.486	237539.486		ug/L
As	75	65013.371	0.274	51.354383	ug/L
Se	77	5084.887	0.021	51.761580	ug/L
Se	82	6878.773	0.028	51.090856	ug/L
Rh	103	268230.812	268230.812		ug/L
Ag	107	363940.922	1.263	49.848184	ug/L
Cd	111	64547.516	0.293	49.752323	ug/L
Cd	114	202197.898	0.702	50.577208	ug/L
In	115	232980.120	232980.120		ug/L
Sb	121	264539.874	1.264	50.852386	ug/L
Sb	123	225493.709	0.958	51.128319	ug/L
Tl	203	361553.102	1.120	50.425328	ug/L
Tl	205	859834.031	2.663	49.671687	ug/L
Pb	208	1163563.722	3.603	49.893362	ug/L
Bi	209	322790.560	322790.560		ug/L

99375

Sample Information

Sample ID: 0B22027-CAL8
Autosampler Position: 8
Sample Date/Time: Monday, February 22, 2010 13:59:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CAL8.008
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	340021.021	340021.021				ug/L
⌊	Be	9	21268.165	0.063	100.033285	1.830	1.829	ug/L
⌈	V	51	749260.209	3.105	100.003337	1.245	1.245	ug/L
|	Cu	63	379943.711	1.579	99.283212	0.862	0.868	ug/L
|	Cu	65	181598.632	0.755	99.169594	2.162	2.180	ug/L
|	Zn	66	99403.549	0.413	99.476299	0.933	0.937	ug/L
|	Zn	68	72638.884	0.301	99.566116	0.102	0.103	ug/L
|>	Ge	72	240535.519	240535.519				ug/L
|	As	75	125714.319	0.522	99.554709	1.075	1.079	ug/L
|	Se	77	9553.480	0.039	99.276682	1.237	1.246	ug/L
⌊	Se	82	13169.422	0.055	99.791089	1.602	1.605	ug/L
⌈>	Rh	103	284829.951	284829.951				ug/L
|	Ag	107	715448.276	2.512	99.806574	0.689	0.690	ug/L
|	Cd	111	170047.169	0.597	100.289448	1.662	1.657	ug/L
⌊	Cd	114	393625.141	1.382	99.915687	0.440	0.440	ug/L
⌈>	In	115	233013.036	233013.036				ug/L
|	Sb	121	576201.450	2.473	99.876167	1.166	1.168	ug/L
⌊	Sb	123	442154.773	1.897	100.044497	1.044	1.043	ug/L
⌈	Tl	203	704778.240	2.197	99.743796	0.968	0.970	ug/L
|	Tl	205	1663052.331	5.183	99.215192	0.727	0.732	ug/L
|	Pb	208	2253789.757	7.023	99.353251	0.404	0.407	ug/L
⌊>	Bi	209	320824.610	320824.610				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	

99377

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
	Bi	208.980

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342381.084	342381.084		ug/L
Be	9	20873.958	0.061	97.987984	ug/L
V	51	752188.742	3.141	101.188948	ug/L
Cu	63	380711.214	1.586	100.263252	ug/L
Cu	65	184717.781	0.774	101.687929	ug/L
Zn	66	99502.243	0.418	100.354847	ug/L
Zn	68	72131.091	0.301	99.846486	ug/L
Ge	72	238656.787	238656.787		ug/L
As	75	124041.011	0.520	99.001558	ug/L
Se	77	9566.496	0.040	100.189088	ug/L
Se	82	12652.489	0.054	98.167127	ug/L
Rh	103	288960.146	288960.146		ug/L
Ag	107	716818.272	2.498	99.253344	ug/L
Cd	111	172150.088	0.600	100.770054	ug/L
Cd	114	397770.568	1.389	100.220809	ug/L
In	115	232210.247	232210.247		ug/L
Sb	121	568983.535	2.453	99.083008	ug/L
Sb	123	438287.989	1.887	99.513008	ug/L
Tl	203	714162.988	2.217	100.862436	ug/L
Tl	205	1660714.289	5.217	99.881830	ug/L
Pb	208	2253046.809	6.992	98.914643	ug/L
Bi	209	322138.086	322138.086		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	338681.731	338681.731		ug/L
Be	9	21486.483	0.063	101.452527	ug/L
V	51	736207.150	3.064	98.704431	ug/L
Cu	63	377958.006	1.574	98.944882	ug/L
Cu	65	179321.808	0.747	98.096810	ug/L
Zn	66	99324.787	0.413	99.576256	ug/L
Zn	68	72528.084	0.301	99.897931	ug/L
Ge	72	240080.716	240080.716		ug/L
As	75	127044.281	0.529	100.793217	ug/L
Se	77	9583.521	0.039	99.772614	ug/L
Se	82	13353.449	0.056	101.399521	ug/L
Rh	103	298749.314	298749.314		ug/L
Ag	107	718733.122	2.508	99.588188	ug/L
Cd	111	168082.811	0.588	98.440647	ug/L
Cd	114	394282.300	1.375	99.411268	ug/L
In	115	234367.747	234367.747		ug/L
Sb	121	576391.518	2.486	99.330366	ug/L
Sb	123	441750.361	1.868	99.373543	ug/L
Tl	203	708132.407	2.199	99.838386	ug/L
Tl	205	1664712.441	5.191	99.384840	ug/L
Pb	208	2261017.148	7.048	99.710093	ug/L
Bi	209	320899.436	320899.436		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339020.239	339020.239		ug/L
Be	9	21344.058	0.063	100.879348	ug/L
V	51	757384.734	3.108	100.118633	ug/L
Cu	63	381153.816	1.586	98.841493	ug/L
Cu	65	180758.307	0.744	97.753943	ug/L
Zn	66	99383.807	0.409	98.497795	ug/L
Zn	68	73297.478	0.303	99.481822	ug/L
Ge	72	242680.043	242680.043		ug/L
As	75	128057.656	0.519	98.869349	ug/L
Se	77	9511.424	0.038	97.868348	ug/L
Se	82	13302.328	0.055	99.838617	ug/L
Rh	103	280780.394	280780.394		ug/L
Ag	107	710783.438	2.531	100.578188	ug/L
Cd	111	169808.588	0.606	101.867744	ug/L
Cd	114	388822.529	1.388	100.115187	ug/L
In	115	232461.115	232461.115		ug/L
Sb	121	562549.299	2.508	101.215141	ug/L
Sb	123	446416.007	1.920	101.246842	ug/L
Tl	203	695039.313	2.174	98.733586	ug/L
Tl	205	1643730.262	5.142	98.429808	ug/L
Pb	208	2247308.514	7.029	99.435018	ug/L
Bi	209	319638.329	319638.329		ug/L

Sample ID: 0B22027-CAL8
Report Date/Time: Monday, February 22, 2010 14:01:34

Quantitative Analysis Calibration Report

File Name:
File Path:
Calibration Type: External Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Li	6.015	Linear Thru Zero	0.00	0.00	0.000000
Be	9.012	Linear Thru Zero	0.00	0.00	0.999994
V	50.944	Linear Thru Zero	0.03	0.00	0.999997
Cu	62.930	Linear Thru Zero	0.02	0.00	0.999905
Cu	64.928	Linear Thru Zero	0.01	0.00	0.999878
Zn	65.926	Linear Thru Zero	0.00	0.00	0.999935
Zn	67.925	Linear Thru Zero	0.00	0.00	0.999958
Ge	71.922	Linear Thru Zero	0.00	0.00	0.000000
As	74.922	Linear Thru Zero	0.01	0.00	0.999966
Se	76.920	Linear Thru Zero	0.00	0.00	0.999908
Se	81.917	Linear Thru Zero	0.00	0.00	0.999979
Rh	102.905	Linear Thru Zero	0.00	0.00	0.000000
Ag	106.905	Linear Thru Zero	0.03	0.00	0.999977
Cd	110.904	Linear Thru Zero	0.01	0.00	0.999947
Cd	113.904	Linear Thru Zero	0.01	0.00	0.999979
In	114.904	Linear Thru Zero	0.00	0.00	0.000000
Sb	120.904	Linear Thru Zero	0.02	0.00	0.999997
Sb	122.904	Linear Thru Zero	0.02	0.00	0.999999
Tl	202.972	Linear Thru Zero	0.02	0.00	0.999978
Tl	204.975	Linear Thru Zero	0.05	0.00	0.999897
Pb	207.977	Linear Thru Zero	0.07	0.00	0.999928
Bi	208.980	Linear Thru Zero	0.00	0.00	0.000000

Method Equation

Analyte	Mass	Corrections
V	50.944	-3.127 *(ClO 53 -(0.113 *Cr 52))
As	74.922	-3.127 *(ArCl 77 -(0.706602625 *Se 82))
Se	81.917	- 1.007833 * Kr 83
Cd	110.904	-1.060002 *(MoO 108 -(0.712 *Pd 106))
Cd	113.904	-0.027250 *Sn 118
In	114.904	- 0.014038 * Sn 118
Sb	122.904	- 0.125884 * Te 125
Pb	207.977	+1*Pb 206 +1*Pb 207

00379

Sample Information

Sample ID: 0B22027-SCV1
Autosampler Position: 2
Sample Date/Time: Monday, February 22, 2010 14:03:46
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-SCV1.009
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	337373.912	337373.912				ug/L
⌊	Be	9	7955.841	0.024	37.708502	0.525	1.392	ug/L
⌈	V	51	278694.960	1.163	37.453052	0.480	1.283	ug/L
|	Cu	63	146459.825	0.616	38.722922	0.343	0.886	ug/L
|	Cu	65	70818.377	0.298	39.125208	0.112	0.286	ug/L
|	Zn	66	38473.424	0.161	38.908088	0.887	2.280	ug/L
⌊	Zn	68	27659.728	0.115	38.175054	0.222	0.582	ug/L
|>	Ge	72	237567.395	237567.395				ug/L
|	As	75	49687.835	0.209	39.817485	0.618	1.551	ug/L
|	Se	77	3715.670	0.015	38.302685	0.682	1.780	ug/L
⌊	Se	82	4918.851	0.021	38.011469	0.853	2.243	ug/L
⌈>	Rh	103	286535.705	286535.705				ug/L
|	Ag	107	280600.100	0.979	38.910143	0.307	0.790	ug/L
|	Cd	111	65225.577	0.228	38.238576	0.332	0.869	ug/L
⌊	Cd	114	150210.074	0.524	37.903565	0.486	1.282	ug/L
⌈>	In	115	233549.538	233549.538				ug/L
|	Sb	121	217512.329	0.931	37.615025	0.859	2.285	ug/L
⌊	Sb	123	166672.782	0.714	37.628872	1.431	3.804	ug/L
⌈	Tl	203	269386.114	0.837	37.990528	0.967	2.545	ug/L
|	Tl	205	639222.444	1.985	37.998903	0.304	0.801	ug/L
|	Pb	208	864500.459	2.684	37.961595	0.126	0.333	ug/L
⌊>	Bi	209	321953.379	321953.379				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.187
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
⌊	Zn	67.925	
|>	Ge	71.922	95.439
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	95.978
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	95.914

00380

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.144

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
> Li	6	337028.193	337028.193		ug/L
Be	9	7918.483	0.023	37.563087	ug/L
V	51	274401.068	1.148	38.913269	ug/L
Cu	63	145444.269	0.612	38.497758	ug/L
Cu	65	70576.683	0.297	39.035788	ug/L
Zn	66	37952.831	0.158	38.017738	ug/L
Zn	68	27488.088	0.115	37.980788	ug/L
> Ge	72	237298.674	237298.674		ug/L
As	75	48744.668	0.208	39.105877	ug/L
Se	77	3785.040	0.015	39.087348	ug/L
Se	82	4785.068	0.020	37.031516	ug/L
> Rh	103	269471.823	269471.823		ug/L
Ag	107	260986.087	0.971	38.583316	ug/L
Cd	111	65397.291	0.226	37.947309	ug/L
Cd	114	151520.078	0.523	37.842483	ug/L
> In	115	236453.066	236453.066		ug/L
Sb	121	214444.556	0.907	36.622913	ug/L
Sb	123	161438.596	0.683	35.980032	ug/L
Tl	203	266884.561	0.826	37.503084	ug/L
Tl	205	645220.521	1.998	38.281685	ug/L
Pb	208	863367.268	2.674	37.827036	ug/L
> Bi	209	322743.503	322743.503		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
> Li	6	340107.133	340107.133		ug/L
Be	9	7929.478	0.023	37.278972	ug/L
V	51	280177.227	1.168	37.612358	ug/L
Cu	63	145879.048	0.613	38.553052	ug/L
Cu	65	71124.068	0.299	39.250838	ug/L
Zn	66	38521.981	0.161	38.614566	ug/L
Zn	68	27856.711	0.116	38.127006	ug/L
> Ge	72	237829.917	237829.917		ug/L
As	75	50235.709	0.211	40.212858	ug/L
Se	77	3587.989	0.015	37.983620	ug/L
Se	82	4998.202	0.021	38.583681	ug/L
> Rh	103	268191.670	268191.670		ug/L
Ag	107	263026.186	0.982	39.019079	ug/L
Cd	111	65486.168	0.227	38.187686	ug/L
Cd	114	149269.363	0.516	37.450971	ug/L
> In	115	230996.174	230996.174		ug/L
Sb	121	217879.221	0.943	38.089086	ug/L
Sb	123	167870.268	0.726	38.263056	ug/L
Tl	203	276431.166	0.861	39.104169	ug/L
Tl	205	638418.084	1.989	38.068648	ug/L
Pb	208	864449.329	2.692	38.077701	ug/L
> Bi	209	320961.394	320961.394		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
> Li	6	334988.411	334988.411		ug/L
Be	9	8022.583	0.024	38.263436	ug/L
V	51	281908.868	1.175	37.833538	ug/L
Cu	63	147966.129	0.622	39.117956	ug/L
Cu	65	70754.410	0.297	39.088888	ug/L
Zn	66	39345.459	0.165	39.781972	ug/L
Zn	68	27834.406	0.116	38.417358	ug/L
> Ge	72	237573.593	237573.593		ug/L
As	75	50083.129	0.211	40.133912	ug/L
Se	77	3673.981	0.015	37.856888	ug/L
Se	82	4972.282	0.021	38.419208	ug/L
> Rh	103	281943.520	281943.520		ug/L
Ag	107	277807.046	0.985	39.148034	ug/L
Cd	111	64793.299	0.230	38.600737	ug/L
Cd	114	149820.781	0.531	38.417242	ug/L
> In	115	233200.386	233200.386		ug/L
Sb	121	220213.208	0.944	38.133078	ug/L
Sb	123	170909.462	0.733	38.633531	ug/L
Tl	203	265132.614	0.823	37.364330	ug/L
Tl	205	634028.727	1.958	37.866387	ug/L
Pb	208	865494.784	2.685	37.980048	ug/L
> Bi	209	322165.251	322165.251		ug/L

99381

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 14:12:14
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.010
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	337475.933	337475.933				ug/L
⌊	Be	9	1.000	-0.000	-0.002614	0.005	180.662	ug/L
⌈	V	51	2393.232	-0.000	-0.010992	0.014	125.822	ug/L
|	Cu	63	165.004	0.000	0.002486	0.005	187.357	ug/L
|	Cu	65	83.001	0.000	0.000758	0.002	297.607	ug/L
|	Zn	66	111.669	-0.000	-0.005835	0.002	40.723	ug/L
|	Zn	68	249.007	0.000	0.000548	0.026	4789.882	ug/L
|>	Ge	72	239003.286	239003.286				ug/L
|	As	75	59.241	0.000	0.011562	0.039	334.612	ug/L
|	Se	77	119.002	-0.000	-0.041122	0.062	150.162	ug/L
⌊	Se	82	-46.696	0.000	0.083464	0.184	220.646	ug/L
⌈>	Rh	103	290803.792	290803.792				ug/L
|	Ag	107	85.668	0.000	0.009661	0.001	7.263	ug/L
|	Cd	111	6.438	0.000	0.003281	0.003	85.650	ug/L
⌊	Cd	114	10.783	0.000	0.000592	0.001	224.101	ug/L
⌈>	In	115	235309.658	235309.658				ug/L
|	Sb	121	704.042	0.003	0.110285	0.006	5.747	ug/L
⌊	Sb	123	540.189	0.002	0.111701	0.004	3.463	ug/L
⌈	Tl	203	39.334	0.000	0.000186	0.001	721.160	ug/L
|	Tl	205	90.668	0.000	0.000431	0.000	77.665	ug/L
|	Pb	208	504.345	-0.000	-0.000862	0.001	69.013	ug/L
⌊>	Bi	209	320323.836	320323.836				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.215
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.016
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	97.408
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	96.637

99382

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

96.653

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	338670.203	338670.203		ug/L
	Be	9	2.000	0.000	0.002082	ug/L
	V	51	2522.981	0.001	-0.023256	ug/L
	Cu	63	171.004	0.000	0.003672	ug/L
	Cu	65	86.001	0.000	0.001986	ug/L
	Zn	66	111.002	-0.000	-0.007482	ug/L
	Zn	68	232.006	-0.000	-0.025801	ug/L
>	Ge	72	241112.287	241112.287		ug/L
	As	75	5.894	-0.000	-0.031180	ug/L
	Se	77	115.002	-0.000	-0.084383	ug/L
	Se	82	-41.615	0.000	0.125131	ug/L
>	Rh	103	280493.184	280493.184		ug/L
	Ag	107	89.001	0.000	0.010133	ug/L
	Cd	111	6.923	0.000	0.003584	ug/L
	Cd	114	16.688	0.000	0.002068	ug/L
>	In	115	233463.184	233463.184		ug/L
	Sb	121	721.044	0.003	0.114136	ug/L
	Sb	123	553.398	0.002	0.115637	ug/L
	Tl	203	49.001	0.000	0.001536	ug/L
	Tl	205	95.002	0.000	0.000878	ug/L
	Pb	208	508.012	0.000	0.000848	ug/L
>	Bi	209	321187.660	321187.660		ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	340817.621	340817.621		ug/L
	Be	9	0.000	-0.000	-0.007352	ug/L
	V	51	2490.982	0.000	0.003967	ug/L
	Cu	63	179.004	0.000	0.006434	ug/L
	Cu	65	85.001	0.000	0.002123	ug/L
	Zn	66	110.002	0.000	-0.008601	ug/L
	Zn	68	248.007	0.000	0.000878	ug/L
>	Ge	72	237872.814	237872.814		ug/L
	As	75	71.801	0.000	0.021716	ug/L
	Se	77	117.002	-0.000	-0.085576	ug/L
	Se	82	-72.858	0.000	0.117980	ug/L
>	Rh	103	268105.288	268105.288		ug/L
	Ag	107	79.001	0.000	0.008884	ug/L
	Cd	111	1.288	0.000	0.000332	ug/L
	Cd	114	8.338	0.000	0.000497	ug/L
>	In	115	234190.228	234190.228		ug/L
	Sb	121	721.044	0.003	0.113749	ug/L
	Sb	123	520.772	0.002	0.107903	ug/L
	Tl	203	39.000	0.000	0.000157	ug/L
	Tl	205	84.001	0.000	0.000049	ug/L
	Pb	208	516.013	-0.000	-0.000273	ug/L
>	Bi	209	319293.491	319293.491		ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	333139.978	333139.978		ug/L
	Be	9	1.000	0.000	-0.002582	ug/L
	V	51	2368.753	-0.000	-0.013715	ug/L
	Cu	63	145.003	-0.000	-0.002550	ug/L
	Cu	65	78.001	-0.000	-0.001847	ug/L
	Zn	66	114.002	-0.000	0.003113	ug/L
	Zn	68	267.008	0.000	0.026388	ug/L
>	Ge	72	236224.757	236224.757		ug/L
	As	75	100.028	0.000	0.044161	ug/L
	Se	77	125.002	0.000	0.045573	ug/L
	Se	82	-25.615	0.000	0.243221	ug/L
>	Rh	103	263812.924	263812.924		ug/L
	Ag	107	89.001	0.000	0.009996	ug/L
	Cd	111	11.103	0.000	0.005625	ug/L
	Cd	114	9.310	0.000	0.000203	ug/L
>	In	115	238275.584	238275.584		ug/L
	Sb	121	670.036	0.003	0.102970	ug/L
	Sb	123	546.397	0.002	0.111563	ug/L
	Tl	203	30.000	-0.000	-0.001138	ug/L
	Tl	205	93.002	0.000	0.000668	ug/L
	Pb	208	491.011	-0.000	-0.001462	ug/L
>	Bi	209	320490.356	320490.356		ug/L

Sample ID: 0B22027-CCB
Report Date/Time: Monday, February 22, 2010 14:14:00

00383

Sample Information

Sample ID: 0B22027-CRL1
Autosampler Position: 3
Sample Date/Time: Monday, February 22, 2010 14:16:12
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CRL1.011
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	343273.124	343273.124				ug/L
⌊	Be	9	39.667	0.000	0.177368	0.060	33.715	ug/L
⌈	V	51	3848.773	0.006	0.181527	0.012	6.834	ug/L
|	Cu	63	932.737	0.003	0.202760	0.004	2.169	ug/L
|	Cu	65	451.019	0.002	0.201335	0.002	0.893	ug/L
|	Zn	66	331.011	0.001	0.212943	0.010	4.581	ug/L
|	Zn	68	384.681	0.001	0.184570	0.017	9.246	ug/L
|>	Ge	72	240699.569	240699.569				ug/L
|	As	75	289.651	0.001	0.193639	0.032	16.667	ug/L
|	Se	77	129.002	0.000	0.055072	0.040	72.825	ug/L
⌊	Se	82	-22.016	0.000	0.273032	0.116	42.665	ug/L
⌈>	Rh	103	292083.020	292083.020				ug/L
|	Ag	107	1379.147	0.005	0.185624	0.015	8.263	ug/L
|	Cd	111	370.118	0.001	0.212475	0.010	4.588	ug/L
⌊	Cd	114	792.952	0.003	0.194162	0.010	5.118	ug/L
⌈>	In	115	235941.242	235941.242				ug/L
|	Sb	121	1527.179	0.006	0.250840	0.003	1.121	ug/L
⌊	Sb	123	1162.477	0.005	0.250410	0.008	3.203	ug/L
⌈	Tl	203	1475.834	0.004	0.202011	0.004	2.018	ug/L
|	Tl	205	3391.839	0.010	0.195944	0.002	1.139	ug/L
|	Pb	208	5161.116	0.014	0.202840	0.006	3.118	ug/L
⌊>	Bi	209	323152.763	323152.763				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.816
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.697
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	97.836
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	96.896

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.506

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	341570.556	341570.556		ug/L
Be	9	29.000	0.000	0.128420	ug/L
V	51	3847.194	0.008	0.180088	ug/L
Cr	52	928.089	0.003	0.200439	ug/L
Cu	65	453.019	0.002	0.201871	ug/L
Zn	66	323.011	0.001	0.204217	ug/L
Zn	68	374.014	0.001	0.168898	ug/L
Ge	72	241251.886	241251.886		ug/L
As	75	284.318	0.001	0.188715	ug/L
Se	77	133.003	0.000	0.063871	ug/L
Se	82	-23.748	0.000	0.256712	ug/L
Rh	103	293549.413	293549.413		ug/L
Ag	107	1256.123	0.004	0.167980	ug/L
Cd	111	383.133	0.001	0.218811	ug/L
Cd	114	762.780	0.003	0.188778	ug/L
In	115	235712.831	235712.831		ug/L
Sb	121	1508.174	0.006	0.247833	ug/L
Sb	123	1129.723	0.005	0.243363	ug/L
Tl	203	1485.169	0.004	0.199748	ug/L
Tl	205	3408.846	0.010	0.193375	ug/L
Pb	208	5120.776	0.014	0.197210	ug/L
Bi	209	328750.410	328750.410		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343546.012	343546.012		ug/L
Be	9	54.001	0.000	0.244021	ug/L
V	51	3908.988	0.008	0.184589	ug/L
Cr	52	943.072	0.003	0.207831	ug/L
Cu	65	443.018	0.002	0.196330	ug/L
Zn	66	328.011	0.001	0.211136	ug/L
Zn	68	394.015	0.001	0.202562	ug/L
Ge	72	236380.638	236380.638		ug/L
As	75	330.198	0.001	0.228092	ug/L
Se	77	128.002	0.000	0.057571	ug/L
Se	82	-5.814	0.000	0.396806	ug/L
Rh	103	294832.689	294832.689		ug/L
Ag	107	1448.161	0.005	0.193120	ug/L
Cd	111	353.982	0.001	0.201249	ug/L
Cd	114	845.043	0.003	0.208138	ug/L
In	115	234410.116	234410.116		ug/L
Sb	121	1532.180	0.006	0.253408	ug/L
Sb	123	1147.348	0.005	0.246732	ug/L
Tl	203	1447.161	0.004	0.199588	ug/L
Tl	205	3389.838	0.010	0.197391	ug/L
Pb	208	5278.816	0.015	0.209884	ug/L
Bi	209	320817.894	320817.894		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344702.804	344702.804		ug/L
Be	9	36.000	0.000	0.159864	ug/L
V	51	3790.158	0.008	0.169816	ug/L
Cr	52	929.070	0.003	0.200008	ug/L
Cu	65	457.019	0.002	0.202803	ug/L
Zn	66	344.012	0.001	0.223476	ug/L
Zn	68	386.014	0.001	0.182482	ug/L
Ge	72	242465.986	242465.986		ug/L
As	75	254.440	0.001	0.184110	ug/L
Se	77	126.002	0.000	0.013775	ug/L
Se	82	36.686	0.000	0.163775	ug/L
Rh	103	287866.959	287866.959		ug/L
Ag	107	1433.158	0.005	0.185772	ug/L
Cd	111	373.238	0.001	0.217368	ug/L
Cd	114	771.063	0.003	0.191569	ug/L
In	115	237700.778	237700.778		ug/L
Sb	121	1541.182	0.006	0.251281	ug/L
Sb	123	1210.356	0.005	0.259136	ug/L
Tl	203	1496.171	0.005	0.206717	ug/L
Tl	205	3378.833	0.010	0.197088	ug/L
Pb	208	5085.758	0.014	0.201624	ug/L
Bi	209	320089.986	320089.986		ug/L

00385

Sample Information

Sample ID: 0B22027-CRL2
Autosampler Position: 4
Sample Date/Time: Monday, February 22, 2010 14:20:11
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CRL2.012
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	340348.974	340348.974				ug/L
⌊	Be	9	220.006	0.001	1.026265	0.104	10.133	ug/L
⌈	V	51	9575.225	0.029	0.947819	0.007	0.733	ug/L
|	Cu	63	4055.192	0.016	1.018467	0.026	2.574	ug/L
|	Cu	65	1980.628	0.008	1.036384	0.026	2.469	ug/L
|	Zn	66	1120.099	0.004	1.003048	0.021	2.127	ug/L
|	Zn	68	988.078	0.003	1.013835	0.060	5.875	ug/L
|>	Ge	72	240692.828	240692.828				ug/L
|	As	75	1224.709	0.005	0.933793	0.064	6.832	ug/L
|	Se	77	218.006	0.000	0.991443	0.167	16.816	ug/L
⌊	Se	82	71.311	0.001	0.976046	0.113	11.604	ug/L
⌈>	Rh	103	291279.105	291279.105				ug/L
|	Ag	107	7243.413	0.025	0.986238	0.043	4.324	ug/L
|	Cd	111	1743.534	0.006	1.005060	0.039	3.839	ug/L
⌊	Cd	114	3969.600	0.014	0.983367	0.028	2.804	ug/L
⌈>	In	115	236808.281	236808.281				ug/L
|	Sb	121	5982.898	0.025	1.010096	0.019	1.921	ug/L
⌊	Sb	123	4544.363	0.019	1.002683	0.021	2.118	ug/L
⌈	Tl	203	7223.390	0.022	0.997166	0.021	2.090	ug/L
|	Tl	205	17061.524	0.052	0.993138	0.004	0.439	ug/L
|	Pb	208	23619.839	0.071	0.998116	0.016	1.565	ug/L
⌊>	Bi	209	327190.651	327190.651				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.008
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.695
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	97.567
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.252

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.725

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339864.823	339864.823		ug/L
Be	9	198.006	0.001	0.814984	ug/L
V	51	9580.133	0.029	0.948662	ug/L
Cu	63	4020.171	0.016	1.009720	ug/L
Cu	65	2016.304	0.008	1.056788	ug/L
Zn	66	1116.088	0.004	0.988478	ug/L
Zn	68	954.073	0.003	0.987608	ug/L
Ge	72	240594.248	240594.248		ug/L
As	75	1225.251	0.005	0.934840	ug/L
Se	77	236.008	0.000	1.161784	ug/L
Se	82	56.358	0.000	0.863427	ug/L
Rh	103	283776.469	283776.469		ug/L
Ag	107	6944.444	0.024	0.937189	ug/L
Cd	111	1727.582	0.006	0.987353	ug/L
Cd	114	3875.192	0.013	0.951622	ug/L
In	115	238475.251	238475.251		ug/L
Sb	121	5946.534	0.025	1.005133	ug/L
Sb	123	4501.085	0.019	0.994281	ug/L
Tl	203	7167.868	0.022	0.992402	ug/L
Tl	205	16874.316	0.052	0.988308	ug/L
Pb	208	23818.729	0.071	1.008851	ug/L
Bi	209	327103.302	327103.302		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339598.681	339598.681		ug/L
Be	9	223.006	0.001	1.042841	ug/L
V	51	9638.137	0.029	0.940356	ug/L
Cu	63	3984.151	0.016	0.997738	ug/L
Cu	65	2002.301	0.008	1.045986	ug/L
Zn	66	1103.098	0.004	0.983728	ug/L
Zn	68	1039.088	0.003	1.081073	ug/L
Ge	72	241188.807	241188.807		ug/L
As	75	1146.114	0.005	0.869626	ug/L
Se	77	207.005	0.000	0.871186	ug/L
Se	82	71.298	0.001	0.974774	ug/L
Rh	103	289650.988	289650.988		ug/L
Ag	107	7410.917	0.026	1.014565	ug/L
Cd	111	1688.088	0.006	0.976513	ug/L
Cd	114	4002.866	0.014	0.997079	ug/L
In	115	240687.088	240687.088		ug/L
Sb	121	5981.563	0.025	0.993664	ug/L
Sb	123	4545.988	0.019	0.985880	ug/L
Tl	203	7134.633	0.022	0.979118	ug/L
Tl	205	17221.908	0.052	0.998770	ug/L
Pb	208	23337.211	0.069	0.980080	ug/L
Bi	209	329070.688	329070.688		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	341598.718	341598.718		ug/L
Be	9	241.008	0.001	1.120870	ug/L
V	51	9808.408	0.030	0.954109	ug/L
Cu	63	4161.253	0.017	1.047843	ug/L
Cu	65	1924.278	0.008	1.007379	ug/L
Zn	66	1141.103	0.004	1.025841	ug/L
Zn	68	971.076	0.003	0.992735	ug/L
Ge	72	240295.432	240295.432		ug/L
As	75	1302.782	0.005	0.997211	ug/L
Se	77	211.005	0.000	0.921398	ug/L
Se	82	88.281	0.001	1.069936	ug/L
Rh	103	290409.877	290409.877		ug/L
Ag	107	7374.679	0.025	1.006988	ug/L
Cd	111	1814.921	0.008	1.049314	ug/L
Cd	114	4030.726	0.014	1.001398	ug/L
In	115	233362.503	233362.503		ug/L
Sb	121	6020.598	0.026	1.031502	ug/L
Sb	123	4586.014	0.019	1.026837	ug/L
Tl	203	7347.851	0.022	1.019981	ug/L
Tl	205	16986.348	0.052	0.984337	ug/L
Pb	208	23705.977	0.071	1.007417	ug/L
Bi	209	325397.984	325397.984		ug/L

99387

Sample Information

Sample ID: 0B22027-IFA1
Autosampler Position: 10
Sample Date/Time: Monday, February 22, 2010 14:24:11
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-IFA1.013
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	348400.701	348400.701				ug/L
⌊	Be	9	1.333	-0.000	-0.001228	0.003	220.743	ug/L
⌈	V	51	2039.298	-0.002	-0.060344	0.013	20.947	ug/L
|	Cu	63	1085.427	0.004	0.242996	0.012	4.843	ug/L
|	Cu	65	557.694	0.002	0.260138	0.019	7.132	ug/L
|	Zn	66	1749.232	0.007	1.635498	0.006	0.337	ug/L
|	Zn	68	1117.765	0.004	1.194269	0.029	2.411	ug/L
|>	Ge	72	240338.009	240338.009				ug/L
|	As	75	42.796	-0.000	-0.001784	0.108	6050.485	ug/L
|	Se	77	268.674	0.001	1.528806	0.134	8.773	ug/L
⌊	Se	82	-52.686	0.000	0.040253	0.073	180.625	ug/L
⌈>	Rh	103	280513.262	280513.262				ug/L
|	Ag	107	184.338	0.001	0.024018	0.007	28.332	ug/L
|	Cd	111	-2.250	-0.000	-0.001763	0.016	900.941	ug/L
⌊	Cd	114	1503.405	0.005	0.385412	0.011	2.756	ug/L
⌈>	In	115	225874.987	225874.987				ug/L
|	Sb	121	393.348	0.001	0.059708	0.008	12.831	ug/L
⌊	Sb	123	296.839	0.001	0.059944	0.006	9.993	ug/L
⌈	Tl	203	45.001	0.000	0.001073	0.000	33.902	ug/L
|	Tl	205	108.335	0.000	0.001571	0.001	39.109	ug/L
|	Pb	208	783.025	0.001	0.011918	0.002	20.017	ug/L
⌊>	Bi	209	316092.050	316092.050				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.232
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.552
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	93.961
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	92.762

00388

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

95.376

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	348280.754	348280.754		ug/L
Be	9	1.000	0.000	0.002771	ug/L
V	51	2145.984	-0.001	0.047875	ug/L
Cu	63	1062.084	0.004	0.243114	ug/L
Cu	65	546.026	0.002	0.251808	ug/L
Zn	66	1765.238	0.007	1.641160	ug/L
Zn	68	1136.102	0.004	1.208108	ug/L
Ge	72	241758.567	241758.567		ug/L
As	75	143.271	0.000	0.077074	ug/L
Se	77	279.008	0.001	1.620203	ug/L
Se	82	-54.804	0.000	0.026971	ug/L
Rh	103	284082.851	284082.851		ug/L
Ag	107	239.008	0.001	0.031388	ug/L
Cd	111	-10.567	0.000	-0.008887	ug/L
Cd	114	1529.823	0.005	0.387758	ug/L
In	115	227953.849	227953.849		ug/L
Sb	121	437.018	0.002	0.066822	ug/L
Sb	123	318.507	0.001	0.063863	ug/L
Tl	203	48.001	0.000	0.001407	ug/L
Tl	205	117.002	0.000	0.001987	ug/L
Pb	208	781.024	0.001	0.010433	ug/L
Bi	209	320708.844	320708.844		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	345271.303	345271.303		ug/L
Be	9	2.000	0.000	0.001902	ug/L
V	51	2046.617	-0.002	-0.060402	ug/L
Cu	63	1134.101	0.004	0.254704	ug/L
Cu	65	536.028	0.002	0.247126	ug/L
Zn	66	1750.232	0.007	1.630129	ug/L
Zn	68	1135.102	0.004	1.212811	ug/L
Ge	72	241214.658	241214.658		ug/L
As	75	-112.593	-0.001	0.124792	ug/L
Se	77	255.007	0.001	1.374838	ug/L
Se	82	-42.490	0.000	0.118686	ug/L
Rh	103	279499.192	279499.192		ug/L
Ag	107	174.004	0.001	0.022695	ug/L
Cd	111	27.313	0.000	0.015996	ug/L
Cd	114	1453.834	0.005	0.373987	ug/L
In	115	223722.131	223722.131		ug/L
Sb	121	395.016	0.002	0.060703	ug/L
Sb	123	308.632	0.001	0.062921	ug/L
Tl	203	42.001	0.000	0.000588	ug/L
Tl	205	96.002	0.000	0.000867	ug/L
Pb	208	839.027	0.001	0.014089	ug/L
Bi	209	313966.460	313966.460		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	351640.048	351640.048		ug/L
Be	9	1.000	0.000	0.002814	ug/L
V	51	1926.123	0.002	-0.072958	ug/L
Cu	63	1030.086	0.004	0.231171	ug/L
Cu	65	591.030	0.002	0.281383	ug/L
Zn	66	1732.227	0.007	1.636216	ug/L
Zn	68	1083.093	0.004	1.161088	ug/L
Ge	72	238040.771	238040.771		ug/L
As	75	97.709	0.000	0.042367	ug/L
Se	77	272.008	0.001	1.591378	ug/L
Se	82	60.765	-0.000	-0.024697	ug/L
Rh	103	277957.742	277957.742		ug/L
Ag	107	140.003	0.000	0.017972	ug/L
Cd	111	23.496	-0.000	-0.014818	ug/L
Cd	114	1526.548	0.005	0.394089	ug/L
In	115	225848.981	225848.981		ug/L
Sb	121	348.012	0.001	0.051508	ug/L
Sb	123	267.379	0.001	0.053048	ug/L
Tl	203	45.001	0.000	0.001128	ug/L
Tl	205	112.002	0.000	0.001850	ug/L
Pb	208	748.023	0.001	0.010861	ug/L
Bi	209	313811.845	313811.845		ug/L

00389

Sample Information

Sample ID: 0B22027-IFB1
Autosampler Position: 11
Sample Date/Time: Monday, February 22, 2010 14:28:11
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-IFB1.014
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	346896.487	346896.487				ug/L
⌊	Be	9	3979.148	0.011	18.337146	0.279	1.523	ug/L
⌈	V	51	141749.849	0.581	18.717807	0.233	1.245	ug/L
|	Cu	63	72571.539	0.302	18.998680	0.094	0.496	ug/L
|	Cu	65	34481.051	0.144	18.861361	0.397	2.106	ug/L
|	Zn	66	20593.517	0.085	20.588563	0.028	0.137	ug/L
⌊	Zn	68	14665.854	0.060	19.901437	0.124	0.623	ug/L
|>	Ge	72	239663.101	239663.101				ug/L
|	As	75	25095.633	0.105	19.917829	0.295	1.483	ug/L
|	Se	77	2115.001	0.008	21.043674	0.284	1.348	ug/L
⌊	Se	82	2404.435	0.010	18.645508	0.591	3.168	ug/L
⌈>	Rh	103	273650.712	273650.712				ug/L
|	Ag	107	136755.638	0.500	19.854297	0.155	0.779	ug/L
|	Cd	111	32201.597	0.118	19.768258	0.467	2.364	ug/L
⌊	Cd	114	76288.107	0.279	20.155518	0.198	0.985	ug/L
⌈>	In	115	224610.166	224610.166				ug/L
|	Sb	121	111545.364	0.496	20.052130	0.379	1.889	ug/L
⌊	Sb	123	84946.725	0.378	19.934917	0.482	2.418	ug/L
⌈	Tl	203	131898.315	0.426	19.343781	0.403	2.082	ug/L
|	Tl	205	316821.682	1.023	19.586360	0.376	1.920	ug/L
|	Pb	208	430198.291	1.388	19.635838	0.292	1.486	ug/L
⌊>	Bi	209	309610.742	309610.742				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.817
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.281
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	91.662
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	92.243

00390

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	93.420

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	347781.829	347781.829		ug/L
Be	9	4056.183	0.012	18.664142	ug/L
V	51	141767.641	0.585	18.828876	ug/L
Cu	63	71978.562	0.301	18.981230	ug/L
Cu	65	35084.352	0.147	19.306378	ug/L
Zn	66	20444.421	0.086	20.656308	ug/L
Zn	68	14682.221	0.061	20.039680	ug/L
Ge	72	238300.213	238300.213		ug/L
As	75	25384.800	0.106	20.246253	ug/L
Se	77	2060.327	0.008	20.909624	ug/L
Se	82	2431.883	0.010	18.956237	ug/L
Rh	103	275180.478	275180.478		ug/L
Ag	107	138881.713	0.504	20.023816	ug/L
Cd	111	31568.310	0.115	19.270803	ug/L
Cd	114	76508.882	0.278	20.101344	ug/L
In	115	226891.818	226891.818		ug/L
Sb	121	110477.916	0.487	19.657832	ug/L
Sb	123	83456.804	0.368	19.383022	ug/L
Tl	203	131656.622	0.418	18.983726	ug/L
Tl	205	316791.980	1.005	19.232486	ug/L
Pb	208	431869.522	1.368	19.380875	ug/L
Bi	209	315167.119	315167.119		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	344467.865	344467.865		ug/L
Be	9	3928.119	0.011	18.229779	ug/L
V	51	140120.094	0.573	18.450088	ug/L
Cu	63	73172.614	0.304	19.107133	ug/L
Cu	65	34340.694	0.143	18.734711	ug/L
Zn	66	20868.069	0.086	20.608182	ug/L
Zn	68	14630.114	0.060	19.799781	ug/L
Ge	72	240280.957	240280.957		ug/L
As	75	24853.791	0.103	19.673816	ug/L
Se	77	2151.345	0.008	21.369680	ug/L
Se	82	2458.809	0.010	19.015627	ug/L
Rh	103	278415.580	278415.580		ug/L
Ag	107	137206.589	0.496	19.720406	ug/L
Cd	111	32642.610	0.118	19.835614	ug/L
Cd	114	76432.125	0.276	19.989775	ug/L
In	115	221924.764	221924.764		ug/L
Sb	121	112209.614	0.505	20.413015	ug/L
Sb	123	85413.627	0.385	20.284013	ug/L
Tl	203	131491.567	0.425	19.301697	ug/L
Tl	205	315862.869	1.021	19.548341	ug/L
Pb	208	429088.222	1.388	19.604378	ug/L
Bi	209	309284.872	309284.872		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	348439.786	348439.786		ug/L
Be	9	3951.132	0.011	18.127516	ug/L
V	51	142361.911	0.588	18.674478	ug/L
Cu	63	72563.441	0.301	18.937878	ug/L
Cu	65	34008.106	0.141	18.542993	ug/L
Zn	66	20870.071	0.086	20.601219	ug/L
Zn	68	14685.227	0.060	19.864870	ug/L
Ge	72	240408.132	240408.132		ug/L
As	75	25068.308	0.104	19.833417	ug/L
Se	77	2103.331	0.008	20.851837	ug/L
Se	82	2321.802	0.010	17.984382	ug/L
Rh	103	269378.080	269378.080		ug/L
Ag	107	134379.603	0.499	19.816988	ug/L
Cd	111	32392.872	0.120	20.198258	ug/L
Cd	114	75922.512	0.282	20.375436	ug/L
In	115	225014.118	225014.118		ug/L
Sb	121	111948.563	0.497	20.085744	ug/L
Sb	123	85988.742	0.382	20.135707	ug/L
Tl	203	132543.758	0.436	19.766618	ug/L
Tl	205	317850.198	1.044	19.981343	ug/L
Pb	208	429836.129	1.410	19.942181	ug/L
Bi	209	304410.235	304410.235		ug/L

99391

Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 22, 2010 14:32:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.015
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	345161.033	345161.033				ug/L
⌊	Be	9	7716.579	0.022	35.741928	0.605	1.693	ug/L
⌈	V	51	279111.228	1.150	37.030718	0.545	1.472	ug/L
|	Cu	63	148165.777	0.615	38.677361	0.458	1.185	ug/L
|	Cu	65	70802.586	0.294	38.617413	0.263	0.680	ug/L
|	Zn	66	38641.627	0.160	38.581991	0.405	1.049	ug/L
|	Zn	68	27929.784	0.115	38.059715	0.791	2.077	ug/L
|>	Ge	72	240631.302	240631.302				ug/L
|	As	75	49856.224	0.207	39.445915	0.472	1.196	ug/L
|	Se	77	3738.349	0.015	38.042203	1.209	3.179	ug/L
⌊	Se	82	4957.606	0.021	37.828105	1.158	3.061	ug/L
⌈>	Rh	103	289333.149	289333.149				ug/L
|	Ag	107	278343.953	0.962	38.221267	0.568	1.485	ug/L
|	Cd	111	64156.271	0.222	37.245548	0.350	0.939	ug/L
⌊	Cd	114	150389.321	0.520	37.577736	0.252	0.670	ug/L
⌈>	In	115	231415.180	231415.180				ug/L
|	Sb	121	215326.169	0.930	37.578361	1.015	2.701	ug/L
⌊	Sb	123	163232.292	0.705	37.186953	0.976	2.624	ug/L
⌈	Tl	203	269119.807	0.843	38.264626	0.304	0.796	ug/L
|	Tl	205	636450.279	1.993	38.146556	0.357	0.935	ug/L
|	Pb	208	860845.669	2.694	38.114344	0.229	0.602	ug/L
⌊>	Bi	209	319310.643	319310.643				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.337
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.670
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	96.915
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	95.037

	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	96.347

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B22027-CCV	Be	9	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346494.461	346494.461		ug/L
Be	9	7887.409	0.023	36.306147	ug/L
V	51	260563.703	1.167	37.573781	ug/L
Cu	63	148726.878	0.523	39.186184	ug/L
Cu	65	70068.585	0.294	36.667987	ug/L
Zn	66	30868.756	0.162	38.956472	ug/L
Zn	68	26173.736	0.117	36.753818	ug/L
Ge	72	238400.478	238400.478		ug/L
As	75	50022.886	0.210	39.948433	ug/L
Se	77	3799.048	0.015	39.049482	ug/L
Se	82	5004.242	0.021	36.530749	ug/L
Rh	103	269817.526	269817.526		ug/L
Ag	107	263670.062	0.978	38.874462	ug/L
Cd	111	63744.286	0.220	36.944022	ug/L
Cd	114	151043.148	0.521	37.678375	ug/L
In	115	231707.771	231707.771		ug/L
Sb	121	210082.729	0.908	38.612763	ug/L
Sb	123	150881.310	0.660	38.398381	ug/L
Tl	203	266340.333	0.837	39.028307	ug/L
Tl	205	627032.700	1.972	37.738733	ug/L
Pb	208	883199.284	2.713	38.377772	ug/L
Bi	209	317982.914	317982.914		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	349835.115	349835.115		ug/L
Be	9	7832.370	0.022	35.818992	ug/L
V	51	276783.310	1.133	36.463856	ug/L
Cu	63	148616.836	0.613	38.552118	ug/L
Cu	65	71766.442	0.298	38.901203	ug/L
Zn	66	30460.661	0.158	38.156845	ug/L
Zn	68	27477.022	0.112	37.198162	ug/L
Ge	72	242132.987	242132.987		ug/L
As	75	50089.084	0.207	39.382188	ug/L
Se	77	3633.980	0.014	36.700984	ug/L
Se	82	5073.386	0.021	36.461788	ug/L
Rh	103	269656.322	269656.322		ug/L
Ag	107	278516.371	0.956	37.941380	ug/L
Cd	111	64086.710	0.221	37.163647	ug/L
Cd	114	151249.872	0.522	37.753723	ug/L
In	115	233348.008	233348.008		ug/L
Sb	121	216812.546	0.928	37.485862	ug/L
Sb	123	163468.168	0.700	36.925622	ug/L
Tl	203	272641.570	0.850	38.608158	ug/L
Tl	205	641529.184	2.001	38.294988	ug/L
Pb	208	881948.010	2.687	38.007014	ug/L
Bi	209	320817.894	320817.894		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339353.522	339353.522		ug/L
Be	9	7449.958	0.022	35.101946	ug/L
V	51	260008.672	1.150	37.034536	ug/L
Cu	63	147154.919	0.609	38.294814	ug/L
Cu	65	70588.752	0.292	38.383070	ug/L
Zn	66	18798.474	0.160	38.619866	ug/L
Zn	68	26138.587	0.116	38.226165	ug/L
Ge	72	241380.463	241380.463		ug/L
As	75	49456.723	0.206	39.008127	ug/L
Se	77	3782.039	0.015	38.378152	ug/L
Se	82	4795.180	0.020	36.491802	ug/L
Rh	103	268623.800	268623.800		ug/L
Ag	107	274846.426	0.963	37.847980	ug/L
Cd	111	64658.817	0.224	37.629078	ug/L
Cd	114	148874.944	0.518	37.291109	ug/L
In	115	229189.780	229189.780		ug/L
Sb	121	219283.233	0.957	38.638658	ug/L
Sb	123	166378.400	0.726	38.268878	ug/L
Tl	203	268377.517	0.840	38.157414	ug/L
Tl	205	640788.952	2.006	38.404948	ug/L
Pb	208	857366.744	2.683	37.958246	ug/L
Bi	209	319331.119	319331.119		ug/L

00393

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 14:40:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.016
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	344900.191	344900.191				ug/L
⌊	Be	9	1.000	-0.000	-0.002740	0.008	292.166	ug/L
⌈	V	51	2189.561	-0.001	-0.045342	0.011	25.168	ug/L
|	Cu	63	177.337	0.000	0.004658	0.003	67.177	ug/L
|	Cu	65	86.001	0.000	0.001313	0.002	165.615	ug/L
|	Zn	66	125.669	0.000	0.005306	0.012	219.942	ug/L
|	Zn	68	252.007	-0.000	-0.003357	0.039	1155.680	ug/L
|>	Ge	72	244731.548	244731.548				ug/L
|	As	75	-21.851	-0.000	-0.053144	0.048	90.085	ug/L
|	Se	77	130.002	0.000	0.042512	0.110	258.807	ug/L
⌊	Se	82	-54.618	0.000	0.032569	0.149	458.068	ug/L
⌈>	Rh	103	293361.423	293361.423				ug/L
|	Ag	107	68.001	0.000	0.007166	0.001	13.970	ug/L
|	Cd	111	7.614	0.000	0.003940	0.001	16.639	ug/L
⌊	Cd	114	11.509	0.000	0.000756	0.002	219.400	ug/L
⌈>	In	115	236220.857	236220.857				ug/L
|	Sb	121	572.362	0.002	0.087231	0.005	5.536	ug/L
⌊	Sb	123	436.472	0.002	0.088124	0.009	10.620	ug/L
⌈	Tl	203	33.000	-0.000	-0.000710	0.000	50.542	ug/L
|	Tl	205	85.001	0.000	0.000087	0.001	1289.724	ug/L
|	Pb	208	495.345	-0.000	-0.001253	0.000	35.816	ug/L
⌊>	Bi	209	320235.815	320235.815				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.265
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.317
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.264
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.011

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

96.626

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	346002.446	346002.446		ug/L
	Be	9	3.000	0.000	0.008904	ug/L
	V	51	2242.827	-0.001	-0.036277	ug/L
	Cu	63	184.004	0.000	0.008880	ug/L
	Cu	65	85.001	0.000	0.001084	ug/L
	Zn	66	134.003	0.000	0.014458	ug/L
	Zn	68	260.008	0.000	0.035088	ug/L
>	Ge	72	242986.672	242986.672		ug/L
	As	75	-72.453	-0.000	-0.092853	ug/L
	Se	77	129.002	0.000	0.042184	ug/L
	Se	82	60.584	0.000	-0.014103	ug/L
>	Rh	103	291458.362	291458.362		ug/L
	Ag	107	64.001	0.000	0.008884	ug/L
	Cd	111	8.204	0.000	0.004309	ug/L
	Cd	114	16.970	0.000	0.002618	ug/L
>	In	115	238014.410	238014.410		ug/L
	Sb	121	609.032	0.002	0.092741	ug/L
	Sb	123	447.787	0.002	0.068846	ug/L
	Tl	203	31.000	-0.000	-0.000917	ug/L
	Tl	205	66.001	-0.000	-0.001033	ug/L
	Pb	208	483.011	-0.000	-0.001428	ug/L
>	Bi	209	314737.793	314737.793		ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	346215.403	346215.403		ug/L
	Be	9	0.000	-0.000	-0.007362	ug/L
	V	51	2113.473	-0.002	-0.058156	ug/L
	Cu	63	183.004	0.000	0.001068	ug/L
	Cu	65	83.001	-0.000	-0.000744	ug/L
	Zn	66	131.003	0.000	0.009294	ug/L
	Zn	68	227.006	-0.000	0.040384	ug/L
>	Ge	72	247158.886	247158.886		ug/L
	As	75	48.619	0.000	0.000083	ug/L
	Se	77	142.003	0.000	0.152710	ug/L
	Se	82	-32.529	0.000	0.199811	ug/L
>	Rh	103	293223.421	293223.421		ug/L
	Ag	107	63.001	0.000	0.008496	ug/L
	Cd	111	6.299	0.000	0.003183	ug/L
	Cd	114	9.324	0.000	0.000211	ug/L
>	In	115	233321.450	233321.450		ug/L
	Sb	121	545.028	0.002	0.083740	ug/L
	Sb	123	468.381	0.002	0.099802	ug/L
	Tl	203	38.000	-0.000	-0.000298	ug/L
	Tl	205	104.002	0.000	0.001216	ug/L
	Pb	208	508.012	0.000	-0.000744	ug/L
>	Bi	209	320946.157	320946.157		ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	342482.723	342482.723		ug/L
	Be	9	0.000	-0.000	-0.007362	ug/L
	V	51	2212.282	0.001	0.041581	ug/L
	Cu	63	183.004	0.000	0.008230	ug/L
	Cu	65	90.001	0.000	0.003590	ug/L
	Zn	66	112.002	-0.000	0.007836	ug/L
	Zn	68	249.007	0.000	0.036871	ug/L
>	Ge	72	244038.206	244038.206		ug/L
	As	75	39.720	0.000	0.066863	ug/L
	Se	77	119.002	-0.000	0.087336	ug/L
	Se	82	-70.741	0.000	-0.087702	ug/L
>	Rh	103	295401.487	295401.487		ug/L
	Ag	107	77.001	0.000	0.008316	ug/L
	Cd	111	8.348	0.000	0.004328	ug/L
	Cd	114	6.234	-0.000	0.000562	ug/L
>	In	115	237326.712	237326.712		ug/L
	Sb	121	563.028	0.002	0.085711	ug/L
	Sb	123	393.258	0.001	0.078024	ug/L
	Tl	203	32.000	-0.000	0.000919	ug/L
	Tl	205	86.001	0.000	0.000078	ug/L
	Pb	208	496.012	0.000	-0.001581	ug/L
>	Bi	209	325023.496	325023.496		ug/L

Sample Information

Sample ID: 1000901-BLK2
Autosampler Position: 17
Sample Date/Time: Monday, February 22, 2010 14:44:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1000901-BLK2.017
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	345747.938	345747.938				ug/L
⌊	Be	9	2.000	0.000	0.001876	0.012	650.604	ug/L
⌈	V	51	2379.309	-0.001	-0.023916	0.007	27.382	ug/L
|	Cu	63	323.677	0.001	0.041338	0.004	9.763	ug/L
|	Cu	65	152.670	0.000	0.036211	0.003	8.728	ug/L
|	Zn	66	1255.790	0.005	1.104463	0.008	0.743	ug/L
|	Zn	68	1081.093	0.003	1.101174	0.047	4.300	ug/L
|>	Ge	72	247458.746	247458.746				ug/L
|	As	75	26.069	-0.000	-0.015855	0.021	129.682	ug/L
|	Se	77	110.669	-0.000	-0.169614	0.116	68.451	ug/L
⌊	Se	82	-52.998	0.000	0.049502	0.083	167.703	ug/L
⌈>	Rh	103	300333.764	300333.764				ug/L
|	Ag	107	56.667	0.000	0.005454	0.001	10.189	ug/L
|	Cd	111	3.929	0.000	0.001773	0.001	75.945	ug/L
⌊	Cd	114	8.164	-0.000	-0.000122	0.000	381.159	ug/L
⌈>	In	115	237602.564	237602.564				ug/L
|	Sb	121	438.685	0.002	0.063956	0.001	1.908	ug/L
⌊	Sb	123	324.258	0.001	0.062599	0.005	8.041	ug/L
⌈	Tl	203	35.334	-0.000	-0.000548	0.001	187.188	ug/L
|	Tl	205	66.001	-0.000	-0.001165	0.000	20.648	ug/L
|	Pb	208	1177.716	0.002	0.027237	0.001	2.171	ug/L
⌊>	Bi	209	330762.384	330762.384				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.500
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.413
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.600
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.578

99396

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.802

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	344515.082	344515.082		ug/L
	Be	9	1.000	0.000	-0.002720	ug/L
	V	51	2361.440	-0.001	-0.028621	ug/L
	Cu	63	337.011	0.001	0.044980	ug/L
	Cu	65	155.005	0.000	0.037676	ug/L
	Zn	66	1249.122	0.006	1.101557	ug/L
	Zn	68	1046.087	0.003	1.057060	ug/L
>	Ge	72	246738.688	246738.688		ug/L
	As	75	30.740	0.000	-0.012108	ug/L
	Se	77	123.002	-0.000	-0.039801	ug/L
	Se	82	-44.647	0.000	0.109878	ug/L
>	Rh	103	301139.863	301139.863		ug/L
	Ag	107	57.001	0.000	0.005480	ug/L
	Cd	111	5.043	0.000	0.002394	ug/L
	Cd	114	10.178	0.000	0.000386	ug/L
>	In	115	239316.469	239316.469		ug/L
	Sb	121	450.018	0.002	0.086340	ug/L
	Sb	123	334.878	0.001	0.064436	ug/L
	Tl	203	43.001	0.000	0.000396	ug/L
	Tl	205	64.001	-0.000	-0.001367	ug/L
	Pb	208	1193.061	0.002	0.026858	ug/L
>	Bi	209	337568.781	337568.781		ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	346568.734	346568.734		ug/L
	Be	9	5.000	0.000	0.015710	ug/L
	V	51	2458.441	0.001	-0.016448	ug/L
	Cu	63	309.010	0.001	0.038988	ug/L
	Cu	65	147.003	0.000	0.032584	ug/L
	Zn	66	1275.127	0.006	1.113729	ug/L
	Zn	68	1065.093	0.003	1.095250	ug/L
>	Ge	72	249387.337	249387.337		ug/L
	As	75	50.290	0.000	0.002676	ug/L
	Se	77	108.002	0.000	-0.206519	ug/L
	Se	82	-48.741	0.000	0.083873	ug/L
>	Rh	103	301570.478	301570.478		ug/L
	Ag	107	61.001	0.000	0.005998	ug/L
	Cd	111	5.594	0.000	0.002998	ug/L
	Cd	114	8.315	-0.000	-0.000873	ug/L
>	In	115	237112.820	237112.820		ug/L
	Sb	121	435.018	0.002	0.083480	ug/L
	Sb	123	340.888	0.001	0.066466	ug/L
	Tl	203	35.000	-0.000	-0.000398	ug/L
	Tl	205	70.001	0.000	-0.000896	ug/L
	Pb	208	1182.050	0.002	0.027818	ug/L
>	Bi	209	327523.938	327523.938		ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	346143.018	346143.018		ug/L
	Be	9	0.000	-0.000	-0.007382	ug/L
	V	51	2331.048	-0.001	-0.026878	ug/L
	Cu	63	325.011	0.001	0.042068	ug/L
	Cu	65	156.003	0.000	0.036373	ug/L
	Zn	66	1243.121	0.006	1.098104	ug/L
	Zn	68	1113.098	0.003	1.151213	ug/L
>	Ge	72	246250.234	246250.234		ug/L
	As	75	-2.821	-0.000	-0.038031	ug/L
	Se	77	101.002	0.000	0.263527	ug/L
	Se	82	-55.608	0.000	-0.045146	ug/L
>	Rh	103	298260.966	298260.966		ug/L
	Ag	107	52.001	0.000	0.004886	ug/L
	Cd	111	1.149	0.000	0.000228	ug/L
	Cd	114	7.997	-0.000	-0.000148	ug/L
>	In	115	236378.403	236378.403		ug/L
	Sb	121	431.017	0.002	0.083037	ug/L
	Sb	123	297.008	0.001	0.058806	ug/L
	Tl	203	27.000	-0.000	-0.001642	ug/L
	Tl	205	64.001	-0.000	-0.001242	ug/L
	Pb	208	1158.048	0.002	0.026838	ug/L
>	Bi	209	327174.453	327174.453		ug/L

00397

Sample Information

Sample ID: 1000901-BS2
Autosampler Position: 18
Sample Date/Time: Monday, February 22, 2010 14:48:04
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1000901-BS2.018
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	346612.892	346612.892				ug/L
⌊	Be	9	3552.252	0.010	16.385660	0.479	2.920	ug/L
⌈	V	51	134923.867	0.537	17.289453	0.319	1.848	ug/L
|	Cu	63	70119.255	0.284	17.835936	0.214	1.199	ug/L
|	Cu	65	33229.450	0.134	17.660401	0.165	0.934	ug/L
|	Zn	66	19088.999	0.077	18.534082	0.042	0.225	ug/L
|	Zn	68	13730.657	0.055	18.075375	0.249	1.376	ug/L
|>	Ge	72	246621.637	246621.637				ug/L
|	As	75	22012.464	0.089	16.971729	0.089	0.524	ug/L
|	Se	77	1792.576	0.007	17.106009	0.716	4.186	ug/L
⌊	Se	82	2184.460	0.009	16.513169	0.165	0.998	ug/L
⌈>	Rh	103	294023.386	294023.386				ug/L
|	Ag	107	130661.968	0.444	17.655069	0.083	0.470	ug/L
|	Cd	111	29918.683	0.102	17.093176	0.239	1.398	ug/L
⌊	Cd	114	69952.141	0.238	17.200459	0.250	1.452	ug/L
⌈>	In	115	239175.214	239175.214				ug/L
|	Sb	121	107924.013	0.451	18.217617	0.286	1.570	ug/L
⌊	Sb	123	81979.153	0.343	18.064985	0.323	1.785	ug/L
⌈	Tl	203	124799.841	0.380	17.258009	0.152	0.878	ug/L
|	Tl	205	298424.752	0.909	17.398864	0.326	1.872	ug/L
|	Pb	208	402593.583	1.225	17.326944	0.167	0.965	ug/L
⌊>	Bi	209	328278.175	328278.175				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.739
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.077
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.486
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.224

00398

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.053

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342786.758	342786.758		ug/L
Be	9	3631.668	0.011	16.937538	ug/L
V	51	137161.619	0.543	17.487884	ug/L
Cu	63	71441.202	0.288	18.079106	ug/L
Cu	65	33588.032	0.136	17.748149	ug/L
Zn	66	19238.058	0.077	18.560864	ug/L
Zn	68	13608.082	0.054	17.813867	ug/L
Ge	72	247905.040	247905.040		ug/L
As	75	22248.841	0.090	17.066176	ug/L
Se	77	1723.225	0.006	16.298375	ug/L
Se	82	2175.916	0.009	16.386443	ug/L
Rh	103	290589.356	290589.356		ug/L
Ag	107	129277.880	0.448	17.873811	ug/L
Cd	111	30023.302	0.103	17.353448	ug/L
Cd	114	70146.411	0.241	17.449883	ug/L
In	115	240790.647	240790.647		ug/L
Sb	121	108744.756	0.443	17.696086	ug/L
Sb	123	80947.146	0.330	17.715690	ug/L
Tl	203	126887.028	0.381	17.313024	ug/L
Tl	205	287818.850	0.866	17.156448	ug/L
Pb	208	404042.082	1.215	17.182356	ug/L
Bi	209	332196.467	332196.467		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	347201.584	347201.584		ug/L
Be	9	3493.889	0.010	16.058084	ug/L
V	51	132870.980	0.525	16.920985	ug/L
Cu	63	69986.012	0.281	17.677425	ug/L
Cu	65	33062.673	0.133	17.470104	ug/L
Zn	66	19186.624	0.077	18.521646	ug/L
Zn	68	13984.817	0.056	18.308814	ug/L
Ge	72	248041.664	248041.664		ug/L
As	75	22030.566	0.089	16.888306	ug/L
Se	77	1827.252	0.007	17.351664	ug/L
Se	82	2182.646	0.009	16.481536	ug/L
Rh	103	296142.240	296142.240		ug/L
Ag	107	132140.383	0.446	17.727056	ug/L
Cd	111	29758.077	0.101	16.883874	ug/L
Cd	114	70463.742	0.238	17.200852	ug/L
In	115	240238.809	240238.809		ug/L
Sb	121	108978.139	0.453	18.312902	ug/L
Sb	123	82633.934	0.344	18.126817	ug/L
Tl	203	123484.466	0.383	17.374430	ug/L
Tl	205	299862.384	0.936	17.788636	ug/L
Pb	208	399881.743	1.238	17.510142	ug/L
Bi	209	322828.476	322828.476		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	349851.327	349851.327		ug/L
Be	9	3530.808	0.010	16.133398	ug/L
V	51	134739.092	0.542	17.456380	ug/L
Cu	63	69020.552	0.282	17.751278	ug/L
Cu	65	33098.845	0.135	17.762948	ug/L
Zn	66	18845.016	0.077	18.499948	ug/L
Zn	68	13601.073	0.056	18.103852	ug/L
Ge	72	243918.209	243918.209		ug/L
As	75	21758.286	0.089	16.981705	ug/L
Se	77	1827.252	0.007	17.568998	ug/L
Se	82	2184.618	0.009	16.691528	ug/L
Rh	103	295328.562	295328.562		ug/L
Ag	107	130567.843	0.442	17.584338	ug/L
Cd	111	29984.668	0.101	17.042207	ug/L
Cd	114	69247.269	0.234	16.950641	ug/L
In	115	236498.189	236498.189		ug/L
Sb	121	108048.146	0.457	18.443884	ug/L
Sb	123	82358.380	0.348	18.352048	ug/L
Tl	203	124218.029	0.378	17.086882	ug/L
Tl	205	297873.042	0.902	17.272204	ug/L
Pb	208	403856.914	1.222	17.288332	ug/L
Bi	209	330010.583	330010.583		ug/L

00399

Sample Information

Sample ID: 1002004-01
Autosampler Position: 19
Sample Date/Time: Monday, February 22, 2010 14:56:33
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002004-01.019
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	345985.924	345985.924				ug/L
⌊	Be	9	8.333	0.000	0.031172	0.005	17.556	ug/L
⌈	V	51	9146.047	0.027	0.865853	0.040	4.641	ug/L
|	Cu	63	5950.871	0.024	1.482444	0.037	2.476	ug/L
|	Cu	65	2813.249	0.011	1.460079	0.041	2.838	ug/L
|	Zn	66	7835.375	0.031	7.566783	0.061	0.806	ug/L
⌊	Zn	68	5886.150	0.023	7.583946	0.190	2.505	ug/L
|>	Ge	72	245688.060	245688.060				ug/L
|	As	75	3053.260	0.012	2.332227	0.056	2.411	ug/L
|	Se	77	136.336	0.000	0.103297	0.116	112.771	ug/L
⌊	Se	82	-41.048	0.000	0.138212	0.291	210.509	ug/L
⌈>	Rh	103	295621.738	295621.738				ug/L
|	Ag	107	114.002	0.000	0.013296	0.003	22.820	ug/L
|	Cd	111	39.188	0.000	0.021887	0.006	26.623	ug/L
⌊	Cd	114	92.980	0.000	0.020644	0.002	9.680	ug/L
⌈>	In	115	237361.567	237361.567				ug/L
|	Sb	121	1212.115	0.005	0.195641	0.008	4.249	ug/L
⌊	Sb	123	955.404	0.004	0.202933	0.005	2.627	ug/L
⌈	Tl	203	157.337	0.000	0.016256	0.002	12.723	ug/L
|	Tl	205	367.013	0.001	0.016296	0.000	1.295	ug/L
|	Pb	208	44575.843	0.133	1.888380	0.058	3.090	ug/L
⌊>	Bi	209	330081.774	330081.774				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.565
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
⌊	Zn	67.925	
|>	Ge	71.922	98.701
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.022
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.479

20400

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.597

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	347300.220	347300.220		ug/L
Be	9	7.000	0.000	0.024872	ug/L
V	51	8958.282	0.025	0.820220	ug/L
Cu	63	5884.480	0.023	1.442087	ug/L
Cu	65	2774.587	0.011	1.413902	ug/L
Zn	66	7958.518	0.031	7.556460	ug/L
Zn	68	5866.458	0.022	7.408388	ug/L
Ge	72	249821.836	249821.836		ug/L
As	75	3088.182	0.012	2.301921	ug/L
Se	77	131.003	0.000	0.025180	ug/L
Se	82	86.964	-0.000	-0.193038	ug/L
Rh	103	298746.413	298746.413		ug/L
Ag	107	108.002	0.000	0.012323	ug/L
Cd	111	30.308	0.000	0.016664	ug/L
Cd	114	102.637	0.000	0.022752	ug/L
In	115	234900.158	234900.158		ug/L
Sb	121	1234.119	0.006	0.201801	ug/L
Sb	123	955.825	0.004	0.207447	ug/L
Tl	203	167.003	0.000	0.018487	ug/L
Tl	205	379.014	0.001	0.016258	ug/L
Pb	208	44518.944	0.129	1.821014	ug/L
Bi	209	341494.023	341494.023		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	341843.087	341843.087		ug/L
Be	9	9.000	0.000	0.034744	ug/L
V	51	9356.819	0.026	0.856872	ug/L
Cu	63	5973.557	0.024	1.491456	ug/L
Cu	65	2870.606	0.011	1.464017	ug/L
Zn	66	7863.427	0.032	7.632282	ug/L
Zn	68	5854.457	0.023	7.557839	ug/L
Ge	72	245111.029	245111.029		ug/L
As	75	3129.608	0.013	2.397101	ug/L
Se	77	149.003	0.000	0.237188	ug/L
Se	82	-24.724	0.000	0.255296	ug/L
Rh	103	292823.561	292823.561		ug/L
Ag	107	139.003	0.000	0.016608	ug/L
Cd	111	49.798	0.000	0.025188	ug/L
Cd	114	91.029	0.000	0.020403	ug/L
In	115	241079.278	241079.278		ug/L
Sb	121	1252.122	0.006	0.199178	ug/L
Sb	123	943.694	0.004	0.197051	ug/L
Tl	203	173.004	0.000	0.018589	ug/L
Tl	205	388.013	0.001	0.016523	ug/L
Pb	208	45018.782	0.130	1.821447	ug/L
Bi	209	327492.547	327492.547		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348815.466	348815.466		ug/L
Be	9	9.000	0.000	0.033802	ug/L
V	51	9129.231	0.027	0.861387	ug/L
Cu	63	5984.548	0.024	1.513811	ug/L
Cu	65	2794.575	0.011	1.472319	ug/L
Zn	66	7863.186	0.031	7.511608	ug/L
Zn	68	5947.536	0.024	7.785608	ug/L
Ge	72	242031.616	242031.616		ug/L
As	75	2963.980	0.012	2.297856	ug/L
Se	77	129.002	0.000	0.047524	ug/L
Se	82	-11.486	0.000	0.352380	ug/L
Rh	103	295486.249	295486.249		ug/L
Ag	107	96.002	0.000	0.010886	ug/L
Cd	111	37.399	0.000	0.020840	ug/L
Cd	114	86.274	0.000	0.018777	ug/L
In	115	238105.266	238105.266		ug/L
Sb	121	1150.104	0.006	0.186146	ug/L
Sb	123	956.686	0.004	0.204302	ug/L
Tl	203	142.003	0.000	0.014882	ug/L
Tl	205	354.012	0.001	0.015108	ug/L
Pb	208	44189.825	0.139	1.922680	ug/L
Bi	209	321258.753	321258.753		ug/L

00491

Sample Information

Sample ID: 1000901-MS3
Autosampler Position: 20
Sample Date/Time: Monday, February 22, 2010 15:00:02
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1000901-MS3.020
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	348928.868	348928.868				ug/L
⌊	Be	9	3878.759	0.011	17.770209	0.293	1.647	ug/L
⌈	V	51	152694.144	0.608	19.576620	0.151	0.771	ug/L
|	Cu	63	79765.716	0.322	20.262056	0.071	0.348	ug/L
|	Cu	65	37765.620	0.153	20.043356	0.052	0.261	ug/L
|	Zn	66	23087.817	0.093	22.405009	0.197	0.881	ug/L
|	Zn	68	16975.651	0.068	22.391274	0.175	0.780	ug/L
|>	Ge	72	247030.953	247030.953				ug/L
|	As	75	26688.220	0.108	20.549525	0.223	1.085	ug/L
|	Se	77	1850.258	0.007	17.664245	0.181	1.026	ug/L
⌊	Se	82	2340.345	0.010	17.629484	0.337	1.910	ug/L
⌈>	Rh	103	293986.888	293986.888				ug/L
|	Ag	107	140431.598	0.478	18.978064	0.306	1.613	ug/L
|	Cd	111	32369.010	0.110	18.494186	0.320	1.732	ug/L
⌊	Cd	114	74818.682	0.254	18.398152	0.063	0.345	ug/L
⌈>	In	115	239254.060	239254.060				ug/L
|	Sb	121	110240.046	0.461	18.602141	0.144	0.772	ug/L
⌊	Sb	123	84522.360	0.353	18.621208	0.319	1.711	ug/L
⌈	Tl	203	135711.601	0.414	18.801663	0.113	0.601	ug/L
|	Tl	205	325332.831	0.993	19.003453	0.388	2.042	ug/L
|	Pb	208	474743.278	1.447	20.474665	0.302	1.477	ug/L
⌊>	Bi	209	327691.842	327691.842				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.378
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.241
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.474
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.256

09402

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	98.876

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	350279.672	350279.672		ug/L
Be	9	3937.124	0.011	17.988308	ug/L
V	51	152809.241	0.811	19.689418	ug/L
Cu	63	78107.433	0.322	20.233420	ug/L
Cu	65	37481.467	0.152	20.029780	ug/L
Zn	66	23066.813	0.094	22.566202	ug/L
Zn	68	17004.386	0.068	22.586224	ug/L
Ge	72	245338.648	245338.648		ug/L
As	75	26298.571	0.107	20.389625	ug/L
Se	77	1845.287	0.007	17.743002	ug/L
Se	82	2272.641	0.010	17.248517	ug/L
Rh	103	294688.976	294688.976		ug/L
Ag	107	138783.886	0.471	18.710142	ug/L
Cd	111	31811.794	0.108	18.131980	ug/L
Cd	114	74908.984	0.254	18.376337	ug/L
In	115	242504.336	242504.336		ug/L
Sb	121	111870.351	0.461	18.623300	ug/L
Sb	123	84367.166	0.348	18.334336	ug/L
Tl	203	137494.070	0.412	18.693781	ug/L
Tl	205	324472.258	0.972	18.588586	ug/L
Pb	208	478546.847	1.432	20.251870	ug/L
Bi	209	333885.615	333885.615		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	347789.175	347789.175		ug/L
Be	9	3898.101	0.011	17.908388	ug/L
V	51	151656.942	0.802	19.408156	ug/L
Cu	63	80228.848	0.324	20.342430	ug/L
Cu	65	37943.883	0.153	20.101078	ug/L
Zn	66	23188.811	0.093	22.461244	ug/L
Zn	68	16801.141	0.067	22.249297	ug/L
Ge	72	247486.870	247486.870		ug/L
As	75	26813.158	0.107	20.454624	ug/L
Se	77	1868.282	0.007	17.792685	ug/L
Se	82	2379.681	0.010	17.887546	ug/L
Rh	103	293919.184	293919.184		ug/L
Ag	107	139918.467	0.476	18.812350	ug/L
Cd	111	32565.636	0.111	18.610338	ug/L
Cd	114	74599.815	0.254	18.348488	ug/L
In	115	240366.644	240366.644		ug/L
Sb	121	109848.310	0.457	18.449220	ug/L
Sb	123	84675.408	0.352	18.585080	ug/L
Tl	203	136824.566	0.414	18.792160	ug/L
Tl	205	328527.843	0.998	18.044249	ug/L
Pb	208	472612.307	1.439	20.383233	ug/L
Bi	209	328104.707	328104.707		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	348717.658	348717.658		ug/L
Be	9	3803.060	0.011	17.433931	ug/L
V	51	153813.249	0.810	19.635291	ug/L
Cu	63	79980.886	0.321	20.210017	ug/L
Cu	65	37871.510	0.152	19.999271	ug/L
Zn	66	22978.130	0.092	22.185678	ug/L
Zn	68	17021.427	0.068	22.338341	ug/L
Ge	72	248268.340	248268.340		ug/L
As	75	27152.630	0.109	20.804324	ug/L
Se	77	1839.256	0.007	17.457047	ug/L
Se	82	2368.714	0.010	17.752390	ug/L
Rh	103	293351.524	293351.524		ug/L
Ag	107	142584.672	0.488	19.311701	ug/L
Cd	111	32729.609	0.112	18.740243	ug/L
Cd	114	74947.267	0.256	18.469831	ug/L
In	115	234891.200	234891.200		ug/L
Sb	121	109001.478	0.464	18.733902	ug/L
Sb	123	84524.509	0.360	18.964198	ug/L
Tl	203	133818.167	0.417	18.919079	ug/L
Tl	205	324998.381	1.012	19.369023	ug/L
Pb	208	473070.679	1.472	20.818882	ug/L
Bi	209	321066.203	321066.203		ug/L

00403

Sample Information

Sample ID: 1000901-MSD3
Autosampler Position: 21
Sample Date/Time: Monday, February 22, 2010 15:03:31
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1000901-MSD3.021
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	343241.837	343241.837				ug/L
⌊	Be	9	3817.725	0.011	17.786555	0.474	2.667	ug/L
⌈	V	51	149412.498	0.613	19.760055	0.208	1.053	ug/L
|	Cu	63	78166.495	0.326	20.480702	0.359	1.753	ug/L
|	Cu	65	36903.118	0.154	20.200649	0.190	0.940	ug/L
|	Zn	66	31711.892	0.132	31.788058	0.363	1.142	ug/L
|	Zn	68	22828.320	0.094	31.190093	0.646	2.070	ug/L
|>	Ge	72	239530.703	239530.703				ug/L
|	As	75	25996.286	0.108	20.646797	0.319	1.547	ug/L
|	Se	77	1777.906	0.007	17.496911	0.601	3.436	ug/L
⌊	Se	82	2258.010	0.010	17.545558	0.528	3.011	ug/L
⌈>	Rh	103	291707.414	291707.414				ug/L
|	Ag	107	134942.127	0.463	18.381063	0.319	1.738	ug/L
|	Cd	111	30982.662	0.106	17.845234	0.531	2.974	ug/L
⌊	Cd	114	72835.136	0.250	18.053035	0.273	1.510	ug/L
⌈>	In	115	233410.462	233410.462				ug/L
|	Sb	121	109863.275	0.470	19.004946	0.205	1.077	ug/L
⌊	Sb	123	84630.811	0.362	19.113187	0.319	1.671	ug/L
⌈	Tl	203	130184.058	0.405	18.371322	0.460	2.503	ug/L
|	Tl	205	316744.837	0.985	18.845621	0.597	3.166	ug/L
|	Pb	208	467021.693	1.450	20.514674	0.478	2.330	ug/L
⌊>	Bi	209	321804.260	321804.260				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.807
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.228
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	97.710
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	95.857

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	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.099

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348078.687	348078.687		ug/L
Be	9	3762.028	0.011	17.277579	ug/L
V	51	149539.766	0.614	19.784821	ug/L
Cu	63	77884.187	0.324	20.402244	ug/L
Cu	65	36884.356	0.154	20.184658	ug/L
Zn	66	31443.370	0.131	31.508175	ug/L
Zn	68	22484.589	0.093	30.718770	ug/L
Ge	72	239581.019	239581.019		ug/L
As	75	28084.008	0.108	20.708841	ug/L
Se	77	1808.246	0.007	17.788388	ug/L
Se	82	2338.741	0.010	18.153189	ug/L
Rh	103	295861.974	295861.974		ug/L
Ag	107	135818.480	0.459	18.237802	ug/L
Cd	111	30434.368	0.103	17.278180	ug/L
Cd	114	72775.830	0.246	17.782257	ug/L
In	115	235025.584	235025.584		ug/L
Sb	121	110308.323	0.469	18.947789	ug/L
Sb	123	84540.888	0.360	18.956881	ug/L
Tl	203	132078.249	0.409	18.582746	ug/L
Tl	205	315380.671	0.977	18.705617	ug/L
Pb	208	465788.203	1.442	20.387888	ug/L
Bi	209	322849.380	322849.380		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	333746.328	333746.328		ug/L
Be	9	3803.060	0.011	18.216331	ug/L
V	51	149137.684	0.620	19.954701	ug/L
Cu	63	78753.553	0.332	20.672478	ug/L
Cu	65	36837.111	0.156	20.397946	ug/L
Zn	66	31752.737	0.134	32.198478	ug/L
Zn	68	23096.508	0.097	31.928186	ug/L
Ge	72	238777.806	238777.806		ug/L
As	75	28052.281	0.110	20.928017	ug/L
Se	77	1786.244	0.007	17.696734	ug/L
Se	82	2198.562	0.010	17.288774	ug/L
Rh	103	266913.724	266913.724		ug/L
Ag	107	135388.398	0.472	18.747108	ug/L
Cd	111	31310.913	0.109	18.330189	ug/L
Cd	114	72737.535	0.253	18.327284	ug/L
In	115	227679.998	227679.998		ug/L
Sb	121	108463.378	0.476	19.232122	ug/L
Sb	123	84159.481	0.369	19.480804	ug/L
Tl	203	128853.108	0.412	18.687418	ug/L
Tl	205	318864.861	1.019	19.498884	ug/L
Pb	208	468089.100	1.487	21.040281	ug/L
Bi	209	313008.208	313008.208		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	347902.499	347902.499		ug/L
Be	9	3868.087	0.011	17.865757	ug/L
V	51	149480.041	0.607	19.540841	ug/L
Cu	63	77851.737	0.321	20.167388	ug/L
Cu	65	36887.889	0.152	20.019333	ug/L
Zn	66	31939.569	0.131	31.656519	ug/L
Zn	68	22894.662	0.093	30.925343	ug/L
Ge	72	242233.284	242233.284		ug/L
As	75	25852.569	0.107	20.300634	ug/L
Se	77	1732.227	0.007	18.805809	ug/L
Se	82	2236.806	0.009	17.194732	ug/L
Rh	103	292346.545	292346.545		ug/L
Ag	107	133819.536	0.467	18.158277	ug/L
Cd	111	31202.678	0.107	17.927354	ug/L
Cd	114	72982.044	0.250	18.049583	ug/L
In	115	237525.808	237525.808		ug/L
Sb	121	110818.129	0.486	18.834927	ug/L
Sb	123	85182.254	0.358	18.801976	ug/L
Tl	203	129620.818	0.383	17.843801	ug/L
Tl	205	315888.886	0.958	18.331354	ug/L
Pb	208	469227.774	1.421	20.108056	ug/L
Bi	209	329758.181	329758.181		ug/L

00405

Sample Information

Sample ID: 0B22027-SRD1
Autosampler Position: 22
Sample Date/Time: Monday, February 22, 2010 15:07:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-SRD1.022
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	350218.856	350218.856				ug/L
⌊	Be	9	2.000	0.000	0.001771	0.000	2.785	ug/L
⌈	V	51	3560.865	0.004	0.136006	0.019	13.799	ug/L
|	Cu	63	964.742	0.003	0.207435	0.011	5.418	ug/L
|	Cu	65	462.020	0.002	0.203759	0.017	8.475	ug/L
|	Zn	66	888.064	0.003	0.758068	0.043	5.684	ug/L
⌊	Zn	68	816.055	0.002	0.761031	0.031	4.039	ug/L
|>	Ge	72	244234.631	244234.631				ug/L
|	As	75	634.788	0.002	0.459453	0.030	6.426	ug/L
|	Se	77	133.336	0.000	0.080446	0.053	66.196	ug/L
⌊	Se	82	-58.155	0.000	0.005761	0.081	1403.061	ug/L
⌈>	Rh	103	292212.368	292212.368				ug/L
|	Ag	107	382.348	0.001	0.049987	0.013	25.812	ug/L
⌈	Cd	111	3.308	0.000	0.001476	0.003	181.611	ug/L
⌊	Cd	114	23.264	0.000	0.003678	0.002	63.192	ug/L
⌈>	In	115	236871.866	236871.866				ug/L
|	Sb	121	352.346	0.001	0.049480	0.005	10.919	ug/L
⌊	Sb	123	259.879	0.001	0.048500	0.002	4.048	ug/L
⌈	Tl	203	51.001	0.000	0.001768	0.001	32.641	ug/L
|	Tl	205	116.002	0.000	0.001870	0.000	9.919	ug/L
|	Pb	208	8034.174	0.023	0.327897	0.005	1.382	ug/L
⌊>	Bi	209	323790.042	323790.042				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.735
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.118
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	97.880
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.278

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.698

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	352161.339	352161.339		ug/L
Be	9	2.000	0.000	0.001721	ug/L
V	51	3736.436	0.006	0.157529	ug/L
Cu	63	924.089	0.003	0.198177	ug/L
Cu	65	426.017	0.001	0.184632	ug/L
Zn	66	578.082	0.003	0.743086	ug/L
Zn	68	640.066	0.002	0.769870	ug/L
Ge	72	245088.283	245088.283		ug/L
As	75	593.212	0.002	0.425412	ug/L
Se	77	128.002	0.000	0.020821	ug/L
Se	82	52.684	0.000	0.048134	ug/L
Rh	103	291231.338	291231.338		ug/L
Ag	107	485.021	0.002	0.084131	ug/L
Cd	111	-2.072	0.000	-0.001614	ug/L
Cd	114	25.928	0.000	0.004349	ug/L
In	115	236927.636	236927.636		ug/L
Sb	121	370.013	0.001	0.062488	ug/L
Sb	123	268.758	0.001	0.050888	ug/L
Tl	203	49.001	0.000	0.001412	ug/L
Tl	205	120.002	0.000	0.002034	ug/L
Pb	208	7997.842	0.023	0.322672	ug/L
Bi	209	327170.287	327170.287		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	348370.509	348370.509		ug/L
Be	9	2.000	0.000	0.001819	ug/L
V	51	3485.882	0.004	0.123056	ug/L
Cu	63	1015.082	0.003	0.218686	ug/L
Cu	65	474.020	0.002	0.208446	ug/L
Zn	66	680.080	0.003	0.724488	ug/L
Zn	68	624.066	0.002	0.764831	ug/L
Ge	72	245883.931	245883.931		ug/L
As	75	863.182	0.003	0.478087	ug/L
Se	77	138.003	0.000	0.068468	ug/L
Se	82	51.725	0.000	0.056684	ug/L
Rh	103	291057.468	291057.468		ug/L
Ag	107	358.013	0.001	0.046888	ug/L
Cd	111	5.683	0.000	0.002880	ug/L
Cd	114	30.818	0.000	0.006683	ug/L
In	115	235839.711	235839.711		ug/L
Sb	121	370.013	0.001	0.052730	ug/L
Sb	123	251.628	0.001	0.048887	ug/L
Tl	203	58.001	0.000	0.002434	ug/L
Tl	205	111.002	0.000	0.001688	ug/L
Pb	208	7985.786	0.023	0.330708	ug/L
Bi	209	318257.864	318257.864		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	350134.722	350134.722		ug/L
Be	9	2.000	0.000	0.001773	ug/L
V	51	3480.297	0.004	0.127435	ug/L
Cu	63	956.075	0.003	0.207474	ug/L
Cu	65	484.021	0.002	0.218201	ug/L
Zn	66	928.070	0.003	0.808652	ug/L
Zn	68	784.061	0.002	0.726692	ug/L
Ge	72	241761.700	241761.700		ug/L
As	75	647.889	0.002	0.474858	ug/L
Se	77	136.003	0.000	0.122349	ug/L
Se	82	-70.047	-0.000	0.087448	ug/L
Rh	103	294348.308	294348.308		ug/L
Ag	107	303.009	0.001	0.038881	ug/L
Cd	111	8.313	0.000	0.003183	ug/L
Cd	114	12.946	0.000	0.001082	ug/L
In	115	237748.252	237748.252		ug/L
Sb	121	317.010	0.001	0.043243	ug/L
Sb	123	258.252	0.001	0.047928	ug/L
Tl	203	49.001	0.000	0.001456	ug/L
Tl	205	117.002	0.000	0.001908	ug/L
Pb	208	8118.886	0.023	0.336313	ug/L
Bi	209	324841.906	324841.906		ug/L

98407

Sample Information

Sample ID: 1000901-PS3
Autosampler Position: 23
Sample Date/Time: Monday, February 22, 2010 15:10:31
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1000901-PS3.023
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	350104.019	350104.019				ug/L
⌊	Be	9	3934.456	0.011	17.965563	0.230	1.278	ug/L
⌈	V	51	154505.979	0.625	20.134171	0.481	2.388	ug/L
|	Cu	63	80066.438	0.329	20.663128	0.417	2.019	ug/L
|	Cu	65	38336.326	0.157	20.669849	0.153	0.739	ug/L
|	Zn	66	22604.608	0.092	22.281705	0.175	0.787	ug/L
|	Zn	68	16551.990	0.067	22.173829	0.104	0.470	ug/L
|>	Ge	72	243179.845	243179.845				ug/L
|	As	75	27330.355	0.112	21.382442	0.555	2.594	ug/L
|	Se	77	1904.273	0.007	18.525759	0.338	1.824	ug/L
⌊	Se	82	2385.819	0.010	18.246861	0.922	5.053	ug/L
⌈>	Rh	103	297805.936	297805.936				ug/L
|	Ag	107	140895.851	0.473	18.799148	0.380	2.021	ug/L
|	Cd	111	32459.186	0.109	18.310155	0.331	1.809	ug/L
⌊	Cd	114	76138.089	0.256	18.482698	0.093	0.505	ug/L
⌈>	In	115	235124.141	235124.141				ug/L
|	Sb	121	107217.175	0.456	18.408944	0.239	1.296	ug/L
⌊	Sb	123	81274.151	0.345	18.216257	0.120	0.657	ug/L
⌈	Tl	203	138430.981	0.425	19.300493	0.389	2.014	ug/L
|	Tl	205	334363.577	1.027	19.649985	0.334	1.698	ug/L
|	Pb	208	481867.795	1.479	20.915889	0.614	2.936	ug/L
⌊>	Bi	209	325706.770	325706.770				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.703
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.694
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.753
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	96.560

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	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.277

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	350218 683	350218 683		ug/L
	Be	9	3892 088	0 011	17 765828	ug/L
	V	51	157027 920	0 638	20 562760	ug/L
	Cu	63	78258 102	0 327	20 848280	ug/L
	Cu	65	37871 510	0 158	20 514192	ug/L
	Zn	66	22618 983	0 083	22 400888	ug/L
	Zn	68	18366 960	0 067	22 056139	ug/L
>	Ge	72	242060 232	242060 232		ug/L
	As	75	27388 803	0 113	21 509714	ug/L
	Se	77	1917 276	0 007	18 758166	ug/L
	Se	82	2496 882	0 011	19 150688	ug/L
>	Rh	103	301990 686	301990 686		ug/L
	Ag	107	140082 867	0 464	18 430022	ug/L
	Cd	111	32238 883	0 107	17 931620	ug/L
	Cd	114	77163 868	0 256	18 471808	ug/L
>	In	115	234247 287	234247 287		ug/L
	Sb	121	108025 149	0 452	18 272186	ug/L
	Sb	123	80398 526	0 343	18 078178	ug/L
	Tl	203	138829 481	0 415	18 868291	ug/L
	Tl	205	339937 326	1 017	19 459794	ug/L
	Pb	208	461240 843	1 438	20 341543	ug/L
>	Bi	209	334288 742	334288 742		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	346870 634	346870 634		ug/L
	Be	9	3973 144	0 011	18 216474	ug/L
	V	51	152079 308	0 609	19 914208	ug/L
	Cu	63	79501 779	0 323	20 315343	ug/L
	Cu	65	38724 071	0 157	20 675781	ug/L
	Zn	66	22909 810	0 093	22 363788	ug/L
	Zn	68	16788 875	0 067	22 274335	ug/L
>	Ge	72	245569 379	245569 379		ug/L
	As	75	26820 086	0 108	20 775101	ug/L
	Se	77	1938 282	0 007	18 664334	ug/L
	Se	82	2282 758	0 010	17 307480	ug/L
>	Rh	103	294867 691	294867 691		ug/L
	Ag	107	142417 181	0 483	19 189128	ug/L
	Cd	111	32567 137	0 110	18 548262	ug/L
	Cd	114	75785 786	0 257	18 580883	ug/L
>	In	115	236247 989	236247 989		ug/L
	Sb	121	106918 338	0 452	18 270251	ug/L
	Sb	123	81944 681	0 347	18 279464	ug/L
	Tl	203	139287 333	0 428	19 418877	ug/L
	Tl	205	331034 372	1 016	19 454908	ug/L
	Pb	208	480296 846	1 473	20 842879	ug/L
>	Bi	209	325813 481	325813 481		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	351422 731	351422 731		ug/L
	Be	9	3938 128	0 011	17 914388	ug/L
	V	51	154410 711	0 626	20 225648	ug/L
	Cu	63	81438 433	0 336	21 125781	ug/L
	Cu	65	38413 397	0 158	20 819588	ug/L
	Zn	66	22284 932	0 092	22 080358	ug/L
	Zn	68	16471 134	0 067	22 181014	ug/L
>	Ge	72	241819 925	241819 925		ug/L
	As	75	27802 078	0 115	21 882510	ug/L
	Se	77	1857 260	0 007	18 137778	ug/L
	Se	82	2378 815	0 010	18 282514	ug/L
>	Rh	103	296569 432	296569 432		ug/L
	Ag	107	140177 504	0 473	18 778287	ug/L
	Cd	111	32580 738	0 110	18 452582	ug/L
	Cd	114	75464 513	0 254	18 396303	ug/L
>	In	115	234877 148	234877 148		ug/L
	Sb	121	108707 037	0 463	18 684387	ug/L
	Sb	123	81521 246	0 347	18 291138	ug/L
	Tl	203	137076 148	0 432	19 616309	ug/L
	Tl	205	332118 032	1 047	20 035252	ug/L
	Pb	208	484065 694	1 524	21 563147	ug/L
>	Bi	209	317220 087	317220 087		ug/L

Sample Information

Sample ID: 1002004-02
Autosampler Position: 24
Sample Date/Time: Monday, February 22, 2010 15:19:01
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002004-02.024
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	353683.952	353683.952				ug/L
⌊	Be	9	6.000	0.000	0.019737	0.012	60.084	ug/L
⌈	V	51	8877.799	0.025	0.812584	0.015	1.896	ug/L
|	Cu	63	3887.764	0.015	0.938870	0.018	1.947	ug/L
|	Cu	65	1825.251	0.007	0.916500	0.020	2.128	ug/L
|	Zn	66	5468.814	0.021	5.164025	0.046	0.886	ug/L
|	Zn	68	4229.628	0.016	5.264708	0.055	1.042	ug/L
|>	Ge	72	249497.549	249497.549				ug/L
|	As	75	645.712	0.002	0.457331	0.011	2.348	ug/L
|	Se	77	132.003	0.000	0.037831	0.060	157.479	ug/L
⌊	Se	82	-54.408	0.000	0.043540	0.108	248.738	ug/L
⌈>	Rh	103	302994.433	302994.433				ug/L
|	Ag	107	208.005	0.001	0.025239	0.002	7.737	ug/L
|	Cd	111	23.514	0.000	0.012601	0.003	24.162	ug/L
⌊	Cd	114	45.606	0.000	0.008764	0.004	47.730	ug/L
⌈>	In	115	238558.542	238558.542				ug/L
|	Sb	121	722.711	0.003	0.111741	0.005	4.766	ug/L
⌊	Sb	123	572.984	0.002	0.117303	0.006	5.165	ug/L
⌈	Tl	203	79.001	0.000	0.005606	0.002	38.068	ug/L
|	Tl	205	159.670	0.000	0.004394	0.001	27.069	ug/L
|	Pb	208	29015.751	0.087	1.235120	0.034	2.735	ug/L
⌊>	Bi	209	326337.609	326337.609				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.692
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	100.232
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	101.491
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.971

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	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.467

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	356486.680	356486.680		ug/L
Be	9	8.000	0.000	0.028528	ug/L
V	51	8763.288	0.029	0.814749	ug/L
Cu	63	3847.074	0.016	0.843189	ug/L
Cu	65	1634.251	0.007	0.930312	ug/L
Zn	66	5428.114	0.022	5.201223	ug/L
Zn	68	4199.276	0.016	5.307689	ug/L
Ge	72	245807.361	245807.361		ug/L
As	75	643.389	0.002	0.462873	ug/L
Se	77	134.009	0.000	0.078301	ug/L
Se	82	-36.544	0.000	0.188548	ug/L
Rh	103	307068.970	307068.970		ug/L
Ag	107	207.006	0.001	0.034746	ug/L
Cd	111	27.811	0.000	0.014794	ug/L
Cd	114	65.707	0.000	0.013384	ug/L
In	115	238511.478	238511.478		ug/L
Sb	121	749.047	0.003	0.116238	ug/L
Sb	123	603.402	0.002	0.124046	ug/L
Tl	203	61.001	0.000	0.006808	ug/L
Tl	205	142.005	0.000	0.003141	ug/L
Pb	208	28838.744	0.096	1.198466	ug/L
Bi	209	334457.484	334457.484		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	352487.321	352487.321		ug/L
Be	9	3.000	0.000	0.008246	ug/L
V	51	9039.474	0.029	0.828780	ug/L
Cu	63	3830.086	0.016	0.818831	ug/L
Cu	65	1783.243	0.007	0.884180	ug/L
Zn	66	5447.131	0.021	6.112937	ug/L
Zn	68	4288.318	0.016	5.283479	ug/L
Ge	72	250823.780	250823.780		ug/L
As	75	633.146	0.002	0.444858	ug/L
Se	77	126.002	-0.009	-0.030680	ug/L
Se	82	-62.836	-0.009	-0.018089	ug/L
Rh	103	301080.625	301080.625		ug/L
Ag	107	223.008	0.001	0.027381	ug/L
Cd	111	25.838	0.000	0.013884	ug/L
Cd	114	40.642	0.000	0.007879	ug/L
In	115	237220.487	237220.487		ug/L
Sb	121	684.040	0.003	0.105808	ug/L
Sb	123	561.809	0.002	0.115847	ug/L
Tl	203	93.002	0.000	0.007739	ug/L
Tl	205	180.005	0.000	0.004435	ug/L
Pb	208	28157.248	0.099	1.259088	ug/L
Bi	209	321874.871	321874.871		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	352077.846	352077.846		ug/L
Be	9	7.000	0.000	0.024438	ug/L
V	51	8630.664	0.028	0.786212	ug/L
Cu	63	3886.158	0.016	0.854621	ug/L
Cu	65	1656.280	0.007	0.824988	ug/L
Zn	66	5633.198	0.021	5.177913	ug/L
Zn	68	4221.299	0.016	5.202963	ug/L
Ge	72	251781.506	251781.506		ug/L
As	75	660.641	0.002	0.464165	ug/L
Se	77	136.003	0.000	0.085770	ug/L
Se	82	-63.843	0.000	-0.021841	ug/L
Rh	103	300888.703	300888.703		ug/L
Ag	107	194.006	0.001	0.023580	ug/L
Cd	111	17.086	0.000	0.008125	ug/L
Cd	114	30.470	0.000	0.005234	ug/L
In	115	239843.662	239843.662		ug/L
Sb	121	735.046	0.003	0.113124	ug/L
Sb	123	563.849	0.002	0.112316	ug/L
Tl	203	63.001	0.000	0.003471	ug/L
Tl	205	177.004	0.000	0.006507	ug/L
Pb	208	29084.284	0.098	1.248789	ug/L
Bi	209	322880.491	322880.491		ug/L

00411

Sample Information

Sample ID: 1002004-03
Autosampler Position: 25
Sample Date/Time: Monday, February 22, 2010 15:22:32
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002004-03.025
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	350260.497	350260.497				ug/L
⌊	Be	9	3.333	0.000	0.007821	0.011	144.925	ug/L
⌈	V	51	3902.708	0.005	0.167697	0.003	2.082	ug/L
|	Cu	63	2697.537	0.010	0.635446	0.025	3.868	ug/L
|	Cu	65	1236.453	0.005	0.603010	0.005	0.875	ug/L
|	Zn	66	2683.864	0.010	2.460926	0.068	2.744	ug/L
|	Zn	68	2226.369	0.008	2.592971	0.029	1.118	ug/L
|>	Ge	72	250766.114	250766.114				ug/L
|	As	75	396.060	0.001	0.265297	0.063	23.643	ug/L
|	Se	77	151.670	0.000	0.229438	0.037	16.160	ug/L
⌊	Se	82	-41.006	0.000	0.141954	0.112	79.120	ug/L
⌈>	Rh	103	296264.933	296264.933				ug/L
|	Ag	107	83.668	0.000	0.009180	0.000	1.645	ug/L
|	Cd	111	8.410	0.000	0.004349	0.002	57.074	ug/L
⌊	Cd	114	33.182	0.000	0.006017	0.003	41.831	ug/L
⌈>	In	115	236041.768	236041.768				ug/L
|	Sb	121	1036.086	0.004	0.166735	0.007	4.367	ug/L
⌊	Sb	123	820.969	0.003	0.174066	0.004	2.185	ug/L
⌈	Tl	203	39.334	0.000	0.000129	0.001	664.678	ug/L
|	Tl	205	97.002	0.000	0.000742	0.000	66.542	ug/L
|	Pb	208	6889.030	0.020	0.277463	0.005	1.884	ug/L
⌊>	Bi	209	324254.120	324254.120				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.746
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	100.741
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.237
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	96.937

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	97.838

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	361382.882	361382.882		ug/L
Be	9	1.000	-0.000	-0.002811	ug/L
V	51	3862.563	0.006	0.171386	ug/L
Cu	63	2756.559	0.010	0.646664	ug/L
Cu	65	1252.122	0.005	0.607716	ug/L
Zn	66	2638.814	0.010	2.403567	ug/L
Zn	68	2260.380	0.008	2.621911	ug/L
Ge	72	252116.786	252116.786		ug/L
As	75	302.807	0.001	0.193010	ug/L
Se	77	152.003	0.000	0.224534	ug/L
Se	82	-58.733	0.000	0.016681	ug/L
Rh	103	297390.543	297390.543		ug/L
Ag	107	85.001	0.000	0.006316	ug/L
Cd	111	4.563	0.000	0.002188	ug/L
Cd	114	21.543	0.000	0.003180	ug/L
In	115	238867.686	238867.686		ug/L
Sb	121	999.080	0.004	0.158339	ug/L
Sb	123	815.929	0.003	0.170787	ug/L
Tl	203	33.000	-0.000	-0.000868	ug/L
Tl	205	93.003	0.000	0.000397	ug/L
Pb	208	6821.378	0.019	0.272923	ug/L
Bi	209	330711.838	330711.838		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	345449.824	345449.824		ug/L
Be	9	3.000	0.000	0.008526	ug/L
V	51	3862.236	0.006	0.167259	ug/L
Cu	63	2580.492	0.010	0.607276	ug/L
Cu	65	1238.118	0.005	0.604013	ug/L
Zn	66	2661.522	0.010	2.443861	ug/L
Zn	68	2200.361	0.008	2.563838	ug/L
Ge	72	250317.033	250317.033		ug/L
As	75	448.206	0.002	0.305339	ug/L
Se	77	148.003	0.000	0.198068	ug/L
Se	82	-38.664	0.000	0.179884	ug/L
Rh	103	294638.933	294638.933		ug/L
Ag	107	82.001	0.000	0.006017	ug/L
Cd	111	7.478	0.000	0.003844	ug/L
Cd	114	40.552	0.000	0.007863	ug/L
In	115	235375.368	235375.368		ug/L
Sb	121	1060.089	0.004	0.171307	ug/L
Sb	123	814.922	0.003	0.173208	ug/L
Tl	203	42.001	0.000	0.000677	ug/L
Tl	205	92.002	0.000	0.000522	ug/L
Pb	208	6922.384	0.020	0.283178	ug/L
Bi	209	319887.547	319887.547		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	353988.975	353988.975		ug/L
Be	9	6.000	0.000	0.019747	ug/L
V	51	3883.338	0.006	0.164446	ug/L
Cu	63	2756.568	0.010	0.652510	ug/L
Cu	65	1221.117	0.005	0.587303	ug/L
Zn	66	2751.567	0.011	2.535398	ug/L
Zn	68	2218.387	0.008	2.583088	ug/L
Ge	72	249882.623	249882.623		ug/L
As	75	437.169	0.002	0.297542	ug/L
Se	77	155.003	0.000	0.208723	ug/L
Se	82	-26.630	0.000	0.230408	ug/L
Rh	103	296765.323	296765.323		ug/L
Ag	107	84.001	0.000	0.009208	ug/L
Cd	111	13.187	0.000	0.007045	ug/L
Cd	114	37.451	0.000	0.007037	ug/L
In	115	233992.254	233992.254		ug/L
Sb	121	1048.088	0.004	0.170581	ug/L
Sb	123	832.057	0.003	0.178226	ug/L
Tl	203	43.001	0.000	0.000888	ug/L
Tl	205	108.002	0.000	0.001309	ug/L
Pb	208	6823.351	0.020	0.276269	ug/L
Bi	209	322382.878	322382.878		ug/L

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Sample Information

Sample ID: 1002004-04
Autosampler Position: 26
Sample Date/Time: Monday, February 22, 2010 15:26:02
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002004-04.026
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	355119.324	355119.324				ug/L
⌊	Be	9	7.333	0.000	0.025676	0.003	11.017	ug/L
⌈	V	51	8166.106	0.023	0.729919	0.005	0.694	ug/L
|	Cu	63	2119.669	0.008	0.498087	0.021	4.229	ug/L
|	Cu	65	967.075	0.004	0.468958	0.022	4.792	ug/L
|	Zn	66	4554.164	0.018	4.319091	0.060	1.399	ug/L
|	Zn	68	3559.256	0.013	4.417326	0.083	1.883	ug/L
|>	Ge	72	247326.823	247326.823				ug/L
|	As	75	496.989	0.002	0.346782	0.038	10.922	ug/L
|	Se	77	125.669	-0.000	-0.015316	0.106	693.057	ug/L
⌊	Se	82	-38.363	0.000	0.156117	0.172	110.040	ug/L
⌈>	Rh	103	302453.878	302453.878				ug/L
|	Ag	107	79.001	0.000	0.008341	0.001	6.898	ug/L
|	Cd	111	41.018	0.000	0.022367	0.003	14.838	ug/L
⌊	Cd	114	25.202	0.000	0.003941	0.001	19.562	ug/L
⌈>	In	115	234754.246	234754.246				ug/L
|	Sb	121	268.341	0.001	0.035556	0.006	17.105	ug/L
⌊	Sb	123	215.959	0.001	0.039158	0.001	1.720	ug/L
⌈	Tl	203	62.334	0.000	0.003294	0.002	52.261	ug/L
|	Tl	205	156.670	0.000	0.004210	0.000	6.502	ug/L
|	Pb	208	12468.349	0.037	0.517778	0.008	1.581	ug/L
⌊>	Bi	209	326137.368	326137.368				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	98.088
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.360
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	101.310
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	96.409

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.407

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	357666.188	357666.188		ug/L
Be	9	7.000	0.000	0.023638	ug/L
V	51	8280.816	0.023	0.731750	ug/L
Cu	63	2056.316	0.008	0.475245	ug/L
Cu	65	967.074	0.003	0.457423	ug/L
Zn	66	4572.508	0.018	4.282857	ug/L
Zn	68	3536.911	0.013	4.329428	ug/L
> Ge	72	250370.872	250370.872		ug/L
As	75	553.249	0.002	0.386204	ug/L
Se	77	127.002	-0.000	-0.017668	ug/L
Se	82	-27.779	0.000	0.238988	ug/L
> Rh	103	303922.089	303922.089		ug/L
Ag	107	80.001	0.000	0.008418	ug/L
Cd	111	46.862	0.000	0.025478	ug/L
Cd	114	26.782	0.000	0.004286	ug/L
> In	115	235448.841	235448.841		ug/L
Sb	121	260.007	0.001	0.033980	ug/L
Sb	123	219.124	0.001	0.036726	ug/L
Tl	203	61.001	0.000	0.002916	ug/L
Tl	205	159.003	0.000	0.004140	ug/L
Pb	208	12531.304	0.036	0.508366	ug/L
> Bi	209	333504.408	333504.408		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
> Li	6	352438.873	352438.873		ug/L
Be	9	8.000	0.000	0.026940	ug/L
V	51	8125.883	0.023	0.733818	ug/L
Cu	63	2118.338	0.008	0.502286	ug/L
Cu	65	932.070	0.003	0.454580	ug/L
Zn	66	4481.450	0.018	4.285771	ug/L
Zn	68	3536.911	0.013	4.427786	ug/L
> Ge	72	245211.387	245211.387		ug/L
As	75	444.394	0.002	0.309480	ug/L
Se	77	135.003	0.000	0.061983	ug/L
Se	82	64.798	-0.000	-0.041187	ug/L
> Rh	103	298493.146	298493.146		ug/L
Ag	107	82.001	0.000	0.008875	ug/L
Cd	111	41.180	0.000	0.022754	ug/L
Cd	114	27.111	0.000	0.004478	ug/L
> In	115	234488.701	234488.701		ug/L
Sb	121	307.010	0.001	0.042288	ug/L
Sb	123	218.502	0.001	0.039336	ug/L
Tl	203	75.001	0.000	0.005173	ug/L
Tl	205	151.003	0.000	0.003878	ug/L
Pb	208	12458.408	0.037	0.523470	ug/L
> Bi	209	322446.529	322446.529		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
> Li	6	356282.911	356282.911		ug/L
Be	9	7.000	0.000	0.024148	ug/L
V	51	8081.809	0.022	0.724192	ug/L
Cu	63	2185.356	0.008	0.518751	ug/L
Cu	65	1012.082	0.004	0.494857	ug/L
Zn	66	4608.632	0.018	4.388847	ug/L
Zn	68	3803.946	0.014	4.494786	ug/L
> Ge	72	246398.210	246398.210		ug/L
As	75	493.332	0.002	0.345863	ug/L
Se	77	115.002	-0.000	-0.120273	ug/L
Se	82	-22.513	0.000	0.272540	ug/L
> Rh	103	304946.398	304946.398		ug/L
Ag	107	75.001	0.000	0.007732	ug/L
Cd	111	35.022	0.000	0.018871	ug/L
Cd	114	21.702	0.000	0.003058	ug/L
> In	115	234324.198	234324.198		ug/L
Sb	121	238.008	0.001	0.030411	ug/L
Sb	123	212.250	0.001	0.038413	ug/L
Tl	203	51.001	0.000	0.001793	ug/L
Tl	205	160.003	0.000	0.004811	ug/L
Pb	208	12414.338	0.037	0.521468	ug/L
> Bi	209	322461.188	322461.188		ug/L

Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 22, 2010 15:29:31
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.027
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	348940.181	348940.181				ug/L
⌊	Be	9	7660.850	0.022	35.106285	0.713	2.031	ug/L
⌈	V	51	279922.687	1.141	36.742988	0.875	2.383	ug/L
|	Cu	63	150345.500	0.617	38.826134	0.284	0.731	ug/L
|	Cu	65	72499.131	0.298	39.124573	0.134	0.343	ug/L
|	Zn	66	38806.872	0.159	38.334268	0.702	1.832	ug/L
|	Zn	68	28608.802	0.117	38.571344	0.226	0.585	ug/L
|>	Ge	72	243214.657	243214.657				ug/L
|	As	75	50723.406	0.208	39.705540	0.365	0.918	ug/L
|	Se	77	3822.728	0.015	38.504763	1.476	3.834	ug/L
⌊	Se	82	5031.009	0.021	37.975428	0.396	1.042	ug/L
⌈>	Rh	103	294599.085	294599.085				ug/L
|	Ag	107	284188.615	0.965	38.327450	0.195	0.510	ug/L
|	Cd	111	65220.431	0.221	37.187680	0.545	1.467	ug/L
⌊	Cd	114	154447.036	0.524	37.903258	0.427	1.126	ug/L
⌈>	In	115	237428.312	237428.312				ug/L
|	Sb	121	214346.362	0.903	36.461916	1.200	3.291	ug/L
⌊	Sb	123	164769.787	0.694	36.588365	1.133	3.096	ug/L
⌈	Tl	203	266331.923	0.833	37.818085	0.356	0.942	ug/L
|	Tl	205	646189.671	2.021	38.679124	0.306	0.792	ug/L
|	Pb	208	866474.650	2.708	38.311421	0.097	0.254	ug/L
⌊>	Bi	209	319743.359	319743.359				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.381
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.708
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.679
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.507

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	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

96.477

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B22027-CCV	Be	9	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
U	8	351264.211	351264.211		ug/L
Be	9	7579.094	0.022	34.494848	ug/L
V	51	278848.138	1.126	36.346468	ug/L
Cu	63	152817.728	0.623	39.146310	ug/L
Cu	65	72788.613	0.297	39.003778	ug/L
Zn	66	36351.482	0.160	36.606886	ug/L
Zn	68	26718.887	0.116	36.464886	ug/L
Ge	72	244866.631	244866.631		ug/L
As	75	50540.686	0.209	39.293204	ug/L
Se	77	3696.983	0.015	36.917851	ug/L
Se	82	5048.232	0.021	37.860608	ug/L
Rh	103	294288.310	294288.310		ug/L
Ag	107	283632.469	0.964	38.290861	ug/L
Cd	111	55484.449	0.223	37.380433	ug/L
Cd	114	153539.436	0.522	37.717941	ug/L
In	115	239784.875	239784.875		ug/L
Sb	121	208580.643	0.870	35.126076	ug/L
Sb	123	180488.807	0.869	35.261187	ug/L
Tl	203	268879.563	0.839	38.083043	ug/L
Tl	205	650740.181	2.031	38.881881	ug/L
Pb	208	868986.131	2.711	38.362804	ug/L
Bi	209	320314.734	320314.734		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	8	348129.154	348129.154		ug/L
Be	9	7808.124	0.022	34.834320	ug/L
V	51	276031.524	1.122	36.136003	ug/L
Cu	63	150277.871	0.616	38.717283	ug/L
Cu	65	72630.114	0.298	39.101012	ug/L
Zn	66	38083.688	0.156	37.535979	ug/L
Zn	68	28868.608	0.117	38.631337	ug/L
Ge	72	243796.148	243796.148		ug/L
As	75	51018.880	0.209	39.838446	ug/L
Se	77	3857.080	0.015	38.758147	ug/L
Se	82	5102.418	0.021	38.418446	ug/L
Rh	103	293430.878	293430.878		ug/L
Ag	107	284624.804	0.970	38.538578	ug/L
Cd	111	55703.256	0.224	37.610491	ug/L
Cd	114	155819.307	0.531	38.391226	ug/L
In	115	235752.587	235752.587		ug/L
Sb	121	214907.158	0.911	36.811019	ug/L
Sb	123	166388.236	0.706	37.199749	ug/L
Tl	203	268174.312	0.836	37.967936	ug/L
Tl	205	645018.588	2.029	38.629861	ug/L
Pb	208	864331.229	2.713	38.380828	ug/L
Bi	209	318373.784	318373.784		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	8	347427.177	347427.177		ug/L
Be	9	7798.333	0.022	36.889680	ug/L
V	51	264890.400	1.172	37.746492	ug/L
Cu	63	148140.900	0.614	38.612808	ug/L
Cu	65	72088.766	0.299	39.288829	ug/L
Zn	66	38875.436	0.161	38.867980	ug/L
Zn	68	28241.000	0.116	38.427828	ug/L
Ge	72	240978.886	240978.886		ug/L
As	75	50812.644	0.210	39.984870	ug/L
Se	77	3815.112	0.016	39.837260	ug/L
Se	82	4942.381	0.021	37.657327	ug/L
Rh	103	298088.266	298088.266		ug/L
Ag	107	284308.573	0.980	38.152782	ug/L
Cd	111	64463.587	0.218	36.572117	ug/L
Cd	114	153982.386	0.520	37.600606	ug/L
In	115	238747.474	238747.474		ug/L
Sb	121	219561.284	0.927	37.448652	ug/L
Sb	123	167450.319	0.707	37.284187	ug/L
Tl	203	264141.898	0.824	37.413278	ug/L
Tl	205	641810.247	2.002	36.326858	ug/L
Pb	208	866126.590	2.700	36.200432	ug/L
Bi	209	320541.580	320541.580		ug/L

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Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 15:37:59
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.028
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	347476.587	347476.587				ug/L
	Be	9	3.000	0.000	0.006460	0.008	123.799	ug/L
	V	51	2337.559	-0.001	-0.026500	0.005	19.920	ug/L
	Cu	63	168.670	0.000	0.002337	0.002	67.081	ug/L
	Cu	65	81.335	-0.000	-0.001306	0.005	363.438	ug/L
	Zn	66	137.336	0.000	0.016615	0.011	65.914	ug/L
	Zn	68	265.008	0.000	0.013302	0.013	96.487	ug/L
>	Ge	72	245194.086	245194.086				ug/L
	As	75	25.946	-0.000	-0.015633	0.056	359.907	ug/L
	Se	77	121.669	-0.000	-0.045839	0.153	333.869	ug/L
	Se	82	-51.366	0.000	0.057889	0.049	84.129	ug/L
>	Rh	103	296313.210	296313.210				ug/L
	Ag	107	67.001	0.000	0.006938	0.001	12.127	ug/L
	Cd	111	1.930	0.000	0.000670	0.001	217.073	ug/L
	Cd	114	12.740	0.000	0.001024	0.001	74.551	ug/L
>	In	115	237943.708	237943.708				ug/L
	Sb	121	557.361	0.002	0.083971	0.005	6.002	ug/L
	Sb	123	421.763	0.002	0.084099	0.004	4.462	ug/L
	Tl	203	30.000	-0.000	-0.001148	0.001	96.837	ug/L
	Tl	205	87.001	0.000	0.000203	0.000	179.910	ug/L
	Pb	208	493.679	-0.000	-0.001381	0.001	82.713	ug/L
>	Bi	209	321099.934	321099.934				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.977
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.503
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.253
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	97.718

00418

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

96.887

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	345842.984	345842.984		ug/L
Be	9	4.000	0.000	0.011135	ug/L
V	51	2341.652	-0.001	0.029478	ug/L
Cu	63	166.004	0.000	0.001163	ug/L
Cu	65	91.001	0.000	0.003342	ug/L
Zn	66	126.002	0.000	0.003883	ug/L
Zn	68	259.008	0.000	0.014581	ug/L
Ge	72	248018.883	248018.883		ug/L
As	75	32.873	-0.000	-0.010583	ug/L
Se	77	123.002	-0.000	-0.046318	ug/L
Se	82	44.623	0.000	0.111845	ug/L
Rh	103	299804.470	299804.470		ug/L
Ag	107	75.001	0.000	0.007888	ug/L
Cd	111	3.474	0.000	0.001528	ug/L
Cd	114	11.188	0.000	0.000810	ug/L
In	115	240291.923	240291.923		ug/L
Sb	121	597.031	0.002	0.089744	ug/L
Sb	123	432.914	0.002	0.065569	ug/L
Tl	203	38.000	-0.000	-0.000383	ug/L
Tl	205	82.001	-0.000	-0.000180	ug/L
Pb	208	500.012	-0.000	-0.001387	ug/L
Bi	209	325241.073	325241.073		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	347980.642	347980.642		ug/L
Be	9	4.000	0.000	0.011021	ug/L
V	51	2295.804	-0.001	-0.029819	ug/L
Cu	63	166.004	0.000	0.001730	ug/L
Cu	65	81.001	-0.000	-0.001114	ug/L
Zn	66	142.003	0.000	0.022248	ug/L
Zn	68	253.007	-0.000	-0.000129	ug/L
Ge	72	243244.813	243244.813		ug/L
As	75	94.186	0.000	0.037941	ug/L
Se	77	108.002	0.000	-0.198643	ug/L
Se	82	52.772	0.000	0.044640	ug/L
Rh	103	294364.975	294364.975		ug/L
Ag	107	64.001	0.000	0.006588	ug/L
Cd	111	3.354	0.000	0.001494	ug/L
Cd	114	10.253	0.000	0.001804	ug/L
In	115	237558.751	237558.751		ug/L
Sb	121	543.028	0.002	0.081716	ug/L
Sb	123	433.640	0.002	0.066801	ug/L
Tl	203	33.000	-0.000	-0.000881	ug/L
Tl	205	92.002	0.000	0.000871	ug/L
Pb	208	513.013	0.000	-0.000238	ug/L
Bi	209	316810.799	316810.799		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	348598.126	348598.126		ug/L
Be	9	1.000	-0.000	-0.002776	ug/L
V	51	2375.520	-0.001	-0.020408	ug/L
Cu	63	175.004	0.000	0.004117	ug/L
Cu	65	72.001	-0.000	-0.006147	ug/L
Zn	66	144.003	0.000	0.023802	ug/L
Zn	68	273.008	0.000	0.025443	ug/L
Ge	72	244318.552	244318.552		ug/L
As	75	49.232	-0.000	0.074246	ug/L
Se	77	136.003	0.000	0.107442	ug/L
Se	82	56.702	0.000	0.017183	ug/L
Rh	103	294670.184	294670.184		ug/L
Ag	107	62.001	0.000	0.006319	ug/L
Cd	111	-1.038	0.000	-0.001010	ug/L
Cd	114	10.779	0.000	0.000567	ug/L
In	115	235980.461	235980.461		ug/L
Sb	121	532.026	0.002	0.080451	ug/L
Sb	123	399.134	0.002	0.079836	ug/L
Tl	203	21.000	-0.000	-0.002420	ug/L
Tl	205	87.001	0.000	0.000199	ug/L
Pb	208	468.011	-0.000	0.002530	ug/L
Bi	209	321147.931	321147.931		ug/L

Sample Information

Sample ID: 1002004-05
Autosampler Position: 27
Sample Date/Time: Monday, February 22, 2010 15:41:56
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002004-05.029
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	352840.478	352840.478				ug/L
	Be	9	3.667	0.000	0.009289	0.007	75.451	ug/L
	V	51	7927.742	0.021	0.682052	0.012	1.743	ug/L
	Cu	63	1787.575	0.006	0.406100	0.008	1.863	ug/L
	Cu	65	860.727	0.003	0.404954	0.005	1.275	ug/L
	Zn	66	2699.204	0.010	2.468763	0.039	1.572	ug/L
	Zn	68	2188.024	0.008	2.534852	0.021	0.816	ug/L
>	Ge	72	251426.725	251426.725				ug/L
	As	75	618.471	0.002	0.432776	0.037	8.604	ug/L
	Se	77	130.336	0.000	0.010574	0.038	357.650	ug/L
	Se	82	-69.796	-0.000	-0.065724	0.123	186.452	ug/L
>	Rh	103	304475.273	304475.273				ug/L
	Ag	107	84.668	0.000	0.009007	0.001	9.159	ug/L
	Cd	111	18.634	0.000	0.009855	0.005	53.935	ug/L
	Cd	114	18.864	0.000	0.002394	0.002	85.759	ug/L
>	In	115	241880.726	241880.726				ug/L
	Sb	121	684.040	0.003	0.103609	0.003	3.152	ug/L
	Sb	123	517.481	0.002	0.103453	0.005	4.802	ug/L
	Tl	203	39.334	0.000	0.000014	0.001	7920.424	ug/L
	Tl	205	106.669	0.000	0.001164	0.001	59.652	ug/L
	Pb	208	6163.094	0.017	0.240295	0.014	5.951	ug/L
>	Bi	209	331379.834	331379.834				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.459
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	101.007
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.987
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	99.335

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	Sb	120.904
L	Sb	122.904
⌈	Tl	202.972
	Tl	204.975
	Pb	207.977
L>	Bi	208.980

99.989

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	351822.722	351822.722		ug/L
L	Be	9	5.000	0.000	0.015368	ug/L
⌈	V	51	7874.132	0.021	0.692010	ug/L
	Cu	63	1747.231	0.008	0.387752	ug/L
	Cu	65	847.068	0.003	0.398562	ug/L
	Zn	66	2717.544	0.010	2.486607	ug/L
	Zn	68	2184.366	0.008	2.541381	ug/L
I>	Ge	72	250440.242	250440.242		ug/L
	As	75	573.998	0.002	0.400881	ug/L
	Se	77	130.002	0.000	0.012330	ug/L
L	Se	82	61.986	-0.000	-0.155728	ug/L
⌈>	Rh	103	303723.819	303723.819		ug/L
	Ag	107	80.001	0.000	0.008425	ug/L
L	Cd	111	10.483	0.000	0.006378	ug/L
L	Cd	114	26.224	0.000	0.004155	ug/L
⌈>	In	115	242504.147	242504.147		ug/L
L	Sb	121	708.043	0.003	0.107320	ug/L
L	Sb	123	544.774	0.002	0.109102	ug/L
⌈	Tl	203	35.000	0.000	0.000784	ug/L
	Tl	205	172.002	0.000	0.001780	ug/L
	Pb	208	6051.056	0.016	0.224877	ug/L
L>	Bi	209	348138.080	345138.080		ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	356019.214	356019.214		ug/L
L	Be	9	2.000	0.000	0.001622	ug/L
⌈	V	51	7824.844	0.021	0.568888	ug/L
	Cu	63	1795.244	0.008	0.408080	ug/L
	Cu	65	870.052	0.003	0.409862	ug/L
	Zn	66	2716.544	0.010	2.485380	ug/L
	Zn	68	2170.351	0.008	2.511680	ug/L
I>	Ge	72	251419.778	251419.778		ug/L
	As	75	608.426	0.002	0.423756	ug/L
L	Se	77	134.003	0.000	0.047488	ug/L
L	Se	82	76.702	-0.000	-0.115283	ug/L
⌈>	Rh	103	304879.837	304879.837		ug/L
	Ag	107	82.001	0.000	0.008646	ug/L
	Cd	111	16.112	0.000	0.008458	ug/L
	Cd	114	20.978	0.000	0.002887	ug/L
⌈>	In	115	242477.641	242477.641		ug/L
	Sb	121	678.039	0.003	0.102336	ug/L
L	Sb	123	501.771	0.002	0.098764	ug/L
⌈	Tl	203	48.001	0.000	0.001292	ug/L
	Tl	205	92.002	0.000	0.000412	ug/L
	Pb	208	6136.096	0.017	0.242986	ug/L
L>	Bi	209	326243.270	326243.270		ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	350879.500	350879.500		ug/L
L	Be	9	4.000	0.000	0.010880	ug/L
⌈	V	51	7984.251	0.021	0.685257	ug/L
	Cu	63	1820.250	0.007	0.412500	ug/L
	Cu	65	865.061	0.003	0.406447	ug/L
	Zn	66	2663.523	0.010	2.424423	ug/L
	Zn	68	2208.364	0.008	2.551504	ug/L
I>	Ge	72	252420.157	252420.157		ug/L
	As	75	674.990	0.002	0.473662	ug/L
L	Se	77	127.002	0.000	0.026088	ug/L
L	Se	82	50.702	0.000	0.073837	ug/L
I>	Rh	103	304822.264	304822.264		ug/L
	Ag	107	92.002	0.000	0.009861	ug/L
	Cd	111	29.308	0.000	0.015730	ug/L
L	Cd	114	9.389	0.000	0.000139	ug/L
⌈>	In	115	240880.380	240880.380		ug/L
	Sb	121	666.038	0.003	0.101173	ug/L
L	Sb	123	505.887	0.002	0.101482	ug/L
⌈	Tl	203	35.000	0.000	0.000486	ug/L
	Tl	205	108.002	0.000	0.001300	ug/L
	Pb	208	6303.133	0.018	0.253122	ug/L
L>	Bi	209	322758.143	322758.143		ug/L

90421

Sample Information

Sample ID: 1002004-06
Autosampler Position: 28
Sample Date/Time: Monday, February 22, 2010 15:45:25
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002004-06.030
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	353264.972	353264.972				ug/L
⌊	Be	9	22.334	0.000	0.093629	0.034	35.815	ug/L
⌈	V	51	27510.330	0.101	3.252725	0.064	1.981	ug/L
|	Cu	63	8550.868	0.034	2.135157	0.029	1.353	ug/L
|	Cu	65	4181.933	0.017	2.179222	0.057	2.598	ug/L
|	Zn	66	9370.236	0.037	9.020867	0.144	1.600	ug/L
|	Zn	68	7421.595	0.029	9.593287	0.098	1.021	ug/L
|>	Ge	72	247081.928	247081.928				ug/L
|	As	75	2270.186	0.009	1.714725	0.112	6.549	ug/L
|	Se	77	134.336	0.000	0.074584	0.041	54.387	ug/L
⌊	Se	82	-44.418	0.000	0.111513	0.327	293.373	ug/L
⌈>	Rh	103	299470.520	299470.520				ug/L
|	Ag	107	94.335	0.000	0.010490	0.002	17.236	ug/L
|	Cd	111	57.846	0.000	0.032112	0.010	32.123	ug/L
⌊	Cd	114	89.867	0.000	0.019615	0.002	8.340	ug/L
⌈>	In	115	240021.213	240021.213				ug/L
|	Sb	121	590.030	0.002	0.088657	0.005	5.718	ug/L
⌊	Sb	123	477.727	0.002	0.095576	0.006	6.209	ug/L
⌈	Tl	203	187.338	0.000	0.020672	0.001	5.523	ug/L
|	Tl	205	444.018	0.001	0.021071	0.000	0.502	ug/L
|	Pb	208	87652.076	0.267	3.780712	0.125	3.315	ug/L
⌊>	Bi	209	326189.837	326189.837				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.576
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.261
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.311
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.572

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.423

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	355129.516	355129.516		ug/L
Be	9	27.000	0.000	0.081712	ug/L
V	51	27346.264	0.100	3.222236	ug/L
Cu	63	8446.074	0.033	2.102749	ug/L
Cu	65	4077.204	0.016	2.117837	ug/L
Zn	66	9253.082	0.037	8.883490	ug/L
Zn	68	7460.989	0.029	8.620843	ug/L
Ge	72	247708.388	247708.388		ug/L
As	75	2304.523	0.009	1.736887	ug/L
Se	77	132.003	0.000	0.047262	ug/L
Se	82	-29.716	0.000	0.242619	ug/L
Rh	103	304081.671	304081.671		ug/L
Ag	107	91.001	0.000	0.008643	ug/L
Cd	111	38.357	0.000	0.021321	ug/L
Cd	114	87.125	0.000	0.018628	ug/L
In	115	241848.700	241848.700		ug/L
Sb	121	614.033	0.002	0.081938	ug/L
Sb	123	512.023	0.002	0.102782	ug/L
Tl	203	202.008	0.000	0.021751	ug/L
Tl	205	458.019	0.001	0.020954	ug/L
Pb	208	87536.143	0.257	3.640728	ug/L
Bi	209	337973.328	337973.328		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	350427.574	350427.574		ug/L
Be	9	15.000	0.000	0.081086	ug/L
V	51	28102.156	0.103	3.328758	ug/L
Cu	63	8585.254	0.034	2.144514	ug/L
Cu	65	4208.280	0.017	2.180133	ug/L
Zn	66	9366.229	0.037	9.007807	ug/L
Zn	68	7346.680	0.029	9.484611	ug/L
Ge	72	247295.440	247295.440		ug/L
As	75	2401.117	0.010	1.814288	ug/L
Se	77	139.003	0.000	0.121183	ug/L
Se	82	-11.681	0.000	0.352772	ug/L
Rh	103	297492.668	297492.668		ug/L
Ag	107	108.002	0.000	0.012117	ug/L
Cd	111	59.439	0.000	0.033141	ug/L
Cd	114	97.071	0.000	0.021504	ug/L
In	115	239998.898	239998.898		ug/L
Sb	121	605.032	0.002	0.081214	ug/L
Sb	123	456.787	0.002	0.091008	ug/L
Tl	203	178.004	0.000	0.019476	ug/L
Tl	205	439.018	0.001	0.021158	ug/L
Pb	208	87293.316	0.270	3.818872	ug/L
Bi	209	321408.260	321408.260		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	354237.826	354237.826		ug/L
Be	9	30.000	0.000	0.126079	ug/L
V	51	27083.571	0.100	3.209178	ug/L
Cu	63	8812.275	0.034	2.158210	ug/L
Cu	65	4262.314	0.017	2.229598	ug/L
Zn	66	9492.398	0.038	9.171305	ug/L
Zn	68	7456.986	0.029	9.674607	ug/L
Ge	72	248241.956	248241.956		ug/L
As	75	2104.918	0.008	1.592994	ug/L
Se	77	132.003	0.000	0.056298	ug/L
Se	82	94.878	0.000	-0.260853	ug/L
Rh	103	296837.221	296837.221		ug/L
Ag	107	96.002	0.000	0.010810	ug/L
Cd	111	74.742	0.000	0.041875	ug/L
Cd	114	85.436	0.000	0.018716	ug/L
In	115	238217.241	238217.241		ug/L
Sb	121	551.027	0.002	0.082818	ug/L
Sb	123	484.380	0.002	0.093441	ug/L
Tl	203	184.004	0.000	0.020788	ug/L
Tl	205	435.018	0.001	0.021101	ug/L
Pb	208	88128.770	0.274	3.862536	ug/L
Bi	209	319187.926	319187.926		ug/L

00423

Sample Information

Sample ID: 1002004-07
Autosampler Position: 29
Sample Date/Time: Monday, February 22, 2010 15:48:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002004-07.031
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	351816.553	351816.553				ug/L
	Be	9	1.000	-0.000	-0.002816	0.000	1.969	ug/L
	V	51	3871.304	0.005	0.164510	0.010	6.276	ug/L
	Cu	63	832.390	0.003	0.168142	0.004	2.650	ug/L
	Cu	65	365.680	0.001	0.147050	0.002	1.151	ug/L
	Zn	66	1334.471	0.005	1.166109	0.023	2.003	ug/L
	Zn	68	1175.108	0.004	1.208551	0.007	0.584	ug/L
>	Ge	72	250365.104	250365.104				ug/L
	As	75	255.474	0.001	0.158596	0.009	5.754	ug/L
	Se	77	125.669	-0.000	-0.031168	0.136	436.552	ug/L
	Se	82	-82.175	-0.000	-0.156945	0.139	88.513	ug/L
>	Rh	103	302486.030	302486.030				ug/L
	Ag	107	54.667	0.000	0.005141	0.001	13.259	ug/L
	Cd	111	3.272	0.000	0.001397	0.001	57.546	ug/L
	Cd	114	10.199	0.000	0.000352	0.001	368.976	ug/L
>	In	115	242388.244	242388.244				ug/L
	Sb	121	391.348	0.001	0.054588	0.007	12.449	ug/L
	Sb	123	292.797	0.001	0.054341	0.002	3.441	ug/L
	Tl	203	29.334	-0.000	-0.001333	0.001	89.538	ug/L
	Tl	205	70.334	-0.000	-0.000899	0.000	29.830	ug/L
	Pb	208	1093.377	0.002	0.023830	0.003	11.172	ug/L
>	Bi	209	329551.337	329551.337				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.176
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.580
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.321
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	99.544

00424

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.437

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	352971.372	352971.372		ug/L
	Be	9	1.000	-0.000	-0.002831	ug/L
	V	51	3810.469	0.006	0.153388	ug/L
	Cu	63	822.086	0.003	0.184162	ug/L
	Cu	65	388.013	0.001	0.146886	ug/L
	Zn	66	1324.136	0.006	1.147573	ug/L
	Zn	68	1188.111	0.004	1.218580	ug/L
>	Ge	72	252049.389	252049.389		ug/L
	As	75	256.180	0.001	0.187822	ug/L
	Se	77	126.002	-0.000	-0.036258	ug/L
	Se	82	-93.808	-0.000	-0.237036	ug/L
>	Rh	103	301673.701	301673.701		ug/L
	Ag	107	59.001	0.000	0.006730	ug/L
	Cd	111	2.209	0.000	0.000811	ug/L
	Cd	114	11.599	0.000	0.000882	ug/L
>	In	115	243324.787	243324.787		ug/L
	Sb	121	439.018	0.002	0.062283	ug/L
	Sb	123	303.788	0.001	0.056476	ug/L
	Tl	203	22.000	-0.000	-0.002386	ug/L
	Tl	205	72.001	-0.000	-0.000895	ug/L
	Pb	208	1078.041	0.002	0.022484	ug/L
>	Bi	209	333697.613	333697.613		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	347087.231	347087.231		ug/L
	Be	9	1.000	-0.000	0.002756	ug/L
	V	51	3878.379	0.006	0.169410	ug/L
	Cu	63	827.066	0.003	0.187323	ug/L
	Cu	65	388.013	0.001	0.148774	ug/L
	Zn	66	1323.136	0.006	1.158414	ug/L
	Zn	68	1188.107	0.004	1.203309	ug/L
>	Ge	72	249720.889	249720.889		ug/L
	As	75	243.407	0.001	0.179882	ug/L
	Se	77	139.003	0.000	0.107370	ug/L
	Se	82	-92.970	-0.000	-0.237263	ug/L
>	Rh	103	303229.562	303229.562		ug/L
	Ag	107	56.001	0.000	0.005297	ug/L
	Cd	111	2.883	0.000	0.001067	ug/L
	Cd	114	4.217	-0.000	-0.001082	ug/L
>	In	115	242568.508	242568.508		ug/L
	Sb	121	360.013	0.001	0.049334	ug/L
	Sb	123	269.379	0.001	0.053606	ug/L
	Tl	203	28.000	-0.000	-0.001986	ug/L
	Tl	205	66.001	-0.000	-0.001188	ug/L
	Pb	208	1063.042	0.002	0.022101	ug/L
>	Bi	209	332431.059	332431.059		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	356381.087	356381.087		ug/L
	Be	9	1.000	-0.000	-0.002882	ug/L
	V	51	3927.071	0.006	0.173752	ug/L
	Cu	63	848.059	0.003	0.172950	ug/L
	Cu	65	381.013	0.001	0.145392	ug/L
	Zn	66	1358.142	0.006	1.192341	ug/L
	Zn	68	1168.107	0.004	1.206783	ug/L
>	Ge	72	249325.224	249325.224		ug/L
	As	75	266.837	0.001	0.188083	ug/L
	Se	77	112.002	-0.000	-0.184618	ug/L
	Se	82	-58.749	0.000	0.003462	ug/L
>	Rh	103	302564.628	302564.628		ug/L
	Ag	107	49.001	0.000	0.004384	ug/L
	Cd	111	4.923	0.000	0.002314	ug/L
	Cd	114	14.781	0.000	0.001446	ug/L
>	In	115	241271.438	241271.438		ug/L
	Sb	121	375.014	0.001	0.052167	ug/L
	Sb	123	285.253	0.001	0.052992	ug/L
	Tl	203	38.000	-0.000	0.000041	ug/L
	Tl	205	73.001	-0.000	-0.000856	ug/L
	Pb	208	1141.048	0.002	0.025898	ug/L
>	Bi	209	322625.338	322625.338		ug/L

00425

Sample Information

Sample ID: 1002004-08
Autosampler Position: 30
Sample Date/Time: Monday, February 22, 2010 15:52:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002004-08.032
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	350861.458	350861.458				ug/L
⌊	Be	9	4.333	0.000	0.012388	0.007	56.127	ug/L
⌈	V	51	6178.068	0.014	0.465980	0.014	2.898	ug/L
|	Cu	63	5260.323	0.020	1.288119	0.042	3.296	ug/L
|	Cu	65	2421.768	0.009	1.233693	0.022	1.755	ug/L
|	Zn	66	3593.273	0.014	3.360736	0.041	1.214	ug/L
|	Zn	68	2792.907	0.010	3.388156	0.018	0.528	ug/L
|>	Ge	72	248894.322	248894.322				ug/L
|	As	75	918.553	0.004	0.667523	0.041	6.145	ug/L
|	Se	77	136.336	0.000	0.085259	0.109	127.569	ug/L
⌊	Se	82	-50.001	0.000	0.073277	0.170	231.640	ug/L
⌈>	Rh	103	300482.198	300482.198				ug/L
|	Ag	107	45.334	0.000	0.003953	0.001	14.632	ug/L
|	Cd	111	15.455	0.000	0.008237	0.007	85.833	ug/L
⌊	Cd	114	21.571	0.000	0.003102	0.001	46.188	ug/L
⌈>	In	115	242893.282	242893.282				ug/L
|	Sb	121	1398.151	0.005	0.221878	0.005	2.353	ug/L
⌊	Sb	123	1091.922	0.004	0.227698	0.007	2.976	ug/L
⌈	Tl	203	46.001	0.000	0.000981	0.001	140.371	ug/L
|	Tl	205	115.335	0.000	0.001747	0.001	28.661	ug/L
|	Pb	208	23217.999	0.069	0.978157	0.024	2.456	ug/L
⌊>	Bi	209	328087.777	328087.777				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.912
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.990
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.650
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.751

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.995

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	351038.568	351038.568		ug/L
Be	9	3.000	0.000	0.005306	ug/L
V	51	6131.562	0.014	0.461986	ug/L
Cu	63	5249.981	0.020	1.268827	ug/L
Cu	65	2381.421	0.008	1.215847	ug/L
Zn	66	3580.923	0.014	3.338322	ug/L
Zn	68	2770.568	0.010	3.346106	ug/L
Ge	72	248246.804	248246.804		ug/L
As	75	932.708	0.004	0.680077	ug/L
Se	77	138.003	0.000	0.074938	ug/L
Se	82	-45.678	0.000	0.104433	ug/L
Rh	103	300899.831	300899.831		ug/L
Ag	107	41.001	0.000	0.003374	ug/L
Cd	111	2.012	0.000	0.000704	ug/L
Cd	114	29.466	0.000	0.004753	ug/L
In	115	242340.581	242340.581		ug/L
Sb	121	1415.154	0.008	0.225261	ug/L
Sb	123	1128.345	0.004	0.235498	ug/L
Tl	203	54.001	0.000	0.002025	ug/L
Tl	205	114.002	0.000	0.001612	ug/L
Pb	208	23046.882	0.068	0.982603	ug/L
Bi	209	330738.013	330738.013		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	351099.386	351099.386		ug/L
Be	9	8.000	0.000	0.019988	ug/L
V	51	6272.110	0.015	0.481030	ug/L
Cu	63	5408.101	0.021	1.330220	ug/L
Cu	65	2458.446	0.010	1.257886	ug/L
Zn	66	3628.868	0.014	3.407822	ug/L
Zn	68	2787.572	0.010	3.374413	ug/L
Ge	72	248003.387	248003.387		ug/L
As	75	958.783	0.004	0.700798	ug/L
Se	77	147.003	0.000	0.198815	ug/L
Se	82	-74.922	0.000	-0.109882	ug/L
Rh	103	302325.412	302325.412		ug/L
Ag	107	50.001	0.000	0.004531	ug/L
Cd	111	17.453	0.000	0.008278	ug/L
Cd	114	17.838	0.000	0.002178	ug/L
In	115	245008.994	245008.994		ug/L
Sb	121	1426.157	0.008	0.224507	ug/L
Sb	123	1080.880	0.004	0.223282	ug/L
Tl	203	35.000	-0.000	-0.000560	ug/L
Tl	205	109.002	0.000	0.001328	ug/L
Pb	208	23106.923	0.068	0.988040	ug/L
Bi	209	330448.138	330448.138		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	350448.419	350445.419		ug/L
Be	9	4.000	0.000	0.010898	ug/L
V	51	6130.532	0.014	0.454917	ug/L
Cu	63	5122.888	0.020	1.245308	ug/L
Cu	65	2425.436	0.009	1.227737	ug/L
Zn	66	3569.938	0.014	3.338084	ug/L
Zn	68	2820.586	0.010	3.381949	ug/L
Ge	72	250432.984	250432.984		ug/L
As	75	884.188	0.003	0.621682	ug/L
Se	77	127.002	0.000	0.017976	ug/L
Se	82	-29.403	0.000	0.225280	ug/L
Rh	103	298251.351	298251.351		ug/L
Ag	107	45.001	0.000	0.003884	ug/L
Cd	111	38.898	0.000	0.014729	ug/L
Cd	114	18.410	0.000	0.002375	ug/L
In	115	241332.282	241332.282		ug/L
Sb	121	1353.142	0.008	0.215887	ug/L
Sb	123	1069.481	0.004	0.224312	ug/L
Tl	203	49.001	0.000	0.001498	ug/L
Tl	205	123.002	0.000	0.002301	ug/L
Pb	208	23500.381	0.071	1.005829	ug/L
Bi	209	323079.182	323079.182		ug/L

00427

Sample Information

Sample ID: 1000901-MS4
Autosampler Position: 31
Sample Date/Time: Monday, February 22, 2010 15:55:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1000901-MS4.033
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	353219.299	353219.299				ug/L
⌊	Be	9	3683.320	0.010	16.670399	0.282	1.693	ug/L
⌈	V	51	146187.882	0.578	18.626211	0.348	1.870	ug/L
|	Cu	63	75766.823	0.304	19.140775	0.107	0.557	ug/L
|	Cu	65	36221.977	0.146	19.119211	0.208	1.087	ug/L
|	Zn	66	19075.628	0.076	18.390632	0.046	0.252	ug/L
|	Zn	68	14138.456	0.056	18.489606	0.330	1.786	ug/L
|>	Ge	72	248361.850	248361.850				ug/L
|	As	75	23594.450	0.095	18.066434	0.186	1.032	ug/L
|	Se	77	1773.905	0.007	16.784531	0.786	4.684	ug/L
⌊	Se	82	2156.024	0.009	16.191879	0.250	1.547	ug/L
⌈>	Rh	103	299728.170	299728.170				ug/L
|	Ag	107	133695.131	0.446	17.719218	0.199	1.124	ug/L
|	Cd	111	30704.280	0.102	17.208697	0.248	1.440	ug/L
⌊	Cd	114	70878.088	0.236	17.097088	0.217	1.272	ug/L
⌈>	In	115	239175.218	239175.218				ug/L
|	Sb	121	107979.503	0.451	18.228177	0.365	2.004	ug/L
⌊	Sb	123	82929.293	0.347	18.274605	0.258	1.411	ug/L
⌈	Tl	203	127833.726	0.391	17.740976	0.310	1.745	ug/L
|	Tl	205	309141.659	0.945	18.084929	0.238	1.314	ug/L
|	Pb	208	425336.816	1.299	18.370442	0.146	0.797	ug/L
⌊>	Bi	209	327133.857	327133.857				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.563
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.776
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.397
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.224

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.707

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	384246.228	384246.228		ug/L
Be	9	3654.971	0.010	19.493232	ug/L
V	51	146256.736	0.578	18.623347	ug/L
Cu	63	78027.234	0.306	19.194818	ug/L
Cu	65	36307.404	0.146	19.152233	ug/L
Zn	66	19038.529	0.078	18.343083	ug/L
Zn	68	13888.563	0.056	18.114424	ug/L
Ge	72	248516.761	248516.761		ug/L
As	75	23333.112	0.094	17.854670	ug/L
Se	77	1724.229	0.008	18.268241	ug/L
Se	82	2189.680	0.009	18.427743	ug/L
Rh	103	295854.647	295854.647		ug/L
Ag	107	130218.513	0.440	17.497748	ug/L
Cd	111	30787.532	0.104	17.490903	ug/L
Cd	114	70810.244	0.240	17.338612	ug/L
In	115	242048.858	242048.858		ug/L
Sb	121	107330.440	0.443	17.900742	ug/L
Sb	123	62630.773	0.341	17.980806	ug/L
Tl	203	126833.418	0.383	17.391982	ug/L
Tl	205	308316.536	0.931	17.822076	ug/L
Pb	208	426624.286	1.287	18.202914	ug/L
Bi	209	331043.794	331043.794		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	351397.536	351397.536		ug/L
Be	9	3738.014	0.011	19.995638	ug/L
V	51	148811.982	0.589	18.975988	ug/L
Cu	63	75141.821	0.302	19.017978	ug/L
Cu	65	36612.447	0.147	19.308627	ug/L
Zn	66	19086.658	0.077	18.436656	ug/L
Zn	68	14287.438	0.057	18.736540	ug/L
Ge	72	247801.836	247801.836		ug/L
As	75	23732.114	0.096	18.206732	ug/L
Se	77	1859.261	0.007	17.689117	ug/L
Se	82	2156.736	0.009	16.218918	ug/L
Rh	103	304606.156	304606.156		ug/L
Ag	107	137073.090	0.460	17.863766	ug/L
Cd	111	30887.011	0.101	17.026356	ug/L
Cd	114	71256.728	0.234	16.916771	ug/L
In	115	238749.018	238749.018		ug/L
Sb	121	107408.602	0.450	18.161536	ug/L
Sb	123	63082.474	0.348	19.339146	ug/L
Tl	203	128208.856	0.393	17.648307	ug/L
Tl	205	311572.430	0.956	18.284611	ug/L
Pb	208	425472.960	1.303	18.434631	ug/L
Bi	209	329082.156	329082.156		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	354014.133	354014.133		ug/L
Be	9	3658.974	0.010	19.522126	ug/L
V	51	143991.920	0.567	18.279287	ug/L
Cu	63	76131.328	0.306	19.209630	ug/L
Cu	65	35846.078	0.144	18.896873	ug/L
Zn	66	19101.688	0.078	18.393157	ug/L
Zn	68	14252.347	0.058	18.617856	ug/L
Ge	72	248686.863	248686.863		ug/L
As	75	23718.124	0.096	18.138699	ug/L
Se	77	1738.229	0.006	16.398236	ug/L
Se	82	2122.657	0.009	15.929874	ug/L
Rh	103	299024.706	299024.706		ug/L
Ag	107	133786.790	0.447	17.776120	ug/L
Cd	111	30458.297	0.102	17.106833	ug/L
Cd	114	70487.294	0.238	17.035881	ug/L
In	115	236727.778	236727.778		ug/L
Sb	121	109188.468	0.461	18.622282	ug/L
Sb	123	63074.833	0.361	18.494083	ug/L
Tl	203	128498.101	0.398	17.982738	ug/L
Tl	205	307537.021	0.948	18.148201	ug/L
Pb	208	424013.213	1.308	18.473780	ug/L
Bi	209	324275.621	324275.621		ug/L

00429

Sample Information

Sample ID: 1000901-MSD4
Autosampler Position: 32
Sample Date/Time: Monday, February 22, 2010 15:59:19
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1000901-MSD4.034
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	353382.710	353382.710				ug/L
	Be	9	3947.798	0.011	17.857473	0.700	3.921	ug/L
	V	51	155975.860	0.619	19.922376	0.511	2.566	ug/L
	Cu	63	79381.599	0.319	20.079226	0.298	1.482	ug/L
	Cu	65	38345.034	0.154	20.267345	0.072	0.354	ug/L
	Zn	66	19907.574	0.080	19.221010	0.244	1.267	ug/L
	Zn	68	14646.147	0.058	19.190908	0.266	1.384	ug/L
>	Ge	72	248058.097	248058.097				ug/L
	As	75	25044.638	0.101	19.202990	0.103	0.535	ug/L
	Se	77	1903.606	0.007	18.127341	0.430	2.372	ug/L
	Se	82	2267.416	0.009	17.026805	0.137	0.805	ug/L
>	Rh	103	297690.306	297690.306				ug/L
	Ag	107	144466.713	0.485	19.280879	0.364	1.886	ug/L
	Cd	111	32312.854	0.109	18.232862	0.329	1.806	ug/L
	Cd	114	75074.777	0.252	18.232158	0.164	0.897	ug/L
>	In	115	241285.965	241285.965				ug/L
	Sb	121	114326.552	0.474	19.129471	0.299	1.562	ug/L
	Sb	123	87864.025	0.364	19.191583	0.151	0.787	ug/L
	Tl	203	136980.397	0.418	18.985300	0.691	3.639	ug/L
	Tl	205	329506.618	1.006	19.251642	0.708	3.676	ug/L
	Pb	208	449266.255	1.370	19.376369	0.488	2.518	ug/L
>	Bi	209	327758.888	327758.888				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.608
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.654
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.714
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	99.091

09439

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.896

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	352258.481	352258.481		ug/L
Be	9	3862.082	0.011	17.526584	ug/L
V	51	156845.742	0.618	19.915342	ug/L
Cu	63	78963.225	0.320	20.105897	ug/L
Cu	65	38435.516	0.154	20.184803	ug/L
Zn	66	20308.034	0.081	19.486014	ug/L
Zn	68	14716.291	0.058	19.157336	ug/L
Ge	72	249656.572	249656.572		ug/L
As	75	25056.646	0.100	19.090527	ug/L
Se	77	1942.283	0.007	18.397554	ug/L
Se	82	2267.647	0.009	18.921343	ug/L
Rh	103	299495.846	299495.846		ug/L
Ag	107	142275.386	0.475	18.873111	ug/L
Cd	111	31538.181	0.106	17.856376	ug/L
Cd	114	74784.338	0.250	18.061341	ug/L
In	115	242541.622	242541.622		ug/L
Sb	121	113544.475	0.466	18.899247	ug/L
Sb	123	87524.976	0.361	19.018003	ug/L
Tl	203	135883.291	0.401	18.228813	ug/L
Tl	205	325883.476	0.963	18.436686	ug/L
Pb	208	450586.412	1.330	18.816147	ug/L
Bi	209	338337.998	338337.998		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	354581.266	354581.266		ug/L
Be	9	4139.240	0.012	18.881837	ug/L
V	51	158389.008	0.634	20.437023	ug/L
Cu	63	77372.588	0.314	19.768328	ug/L
Cu	65	38033.388	0.155	20.306319	ug/L
Zn	66	19856.213	0.080	19.172946	ug/L
Zn	68	14709.277	0.058	19.471788	ug/L
Ge	72	245579.726	245579.726		ug/L
As	75	24909.846	0.101	19.292043	ug/L
Se	77	1838.254	0.007	17.631482	ug/L
Se	82	2265.849	0.009	17.181826	ug/L
Rh	103	298988.225	298988.225		ug/L
Ag	107	147288.536	0.493	19.571361	ug/L
Cd	111	32873.085	0.110	18.467537	ug/L
Cd	114	75583.682	0.253	18.275282	ug/L
In	115	241132.206	241132.206		ug/L
Sb	121	113617.829	0.471	19.022028	ug/L
Sb	123	88138.836	0.366	19.263446	ug/L
Tl	203	136906.928	0.422	19.144238	ug/L
Tl	205	332987.606	1.026	19.822746	ug/L
Pb	208	450548.023	1.387	19.613700	ug/L
Bi	209	324636.474	324636.474		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	353307.391	353307.391		ug/L
Be	9	3842.071	0.011	17.383997	ug/L
V	51	152822.830	0.603	19.414763	ug/L
Cu	63	80779.002	0.324	20.362662	ug/L
Cu	65	38568.219	0.156	20.312213	ug/L
Zn	66	19754.476	0.079	19.006071	ug/L
Zn	68	14512.874	0.057	18.943698	ug/L
Ge	72	248935.981	248935.981		ug/L
As	75	25164.524	0.101	19.228400	ug/L
Se	77	1932.281	0.007	18.352988	ug/L
Se	82	2268.753	0.009	18.977247	ug/L
Rh	103	294588.849	294588.849		ug/L
Ag	107	143838.208	0.488	19.398166	ug/L
Cd	111	32226.266	0.109	18.374672	ug/L
Cd	114	74858.331	0.254	18.399853	ug/L
In	115	240184.089	240184.089		ug/L
Sb	121	115817.567	0.482	19.467137	ug/L
Sb	123	87928.282	0.366	19.283300	ug/L
Tl	203	136171.971	0.431	19.582861	ug/L
Tl	205	329878.772	1.029	19.696586	ug/L
Pb	208	446588.331	1.393	19.700280	ug/L
Bi	209	320302.190	320302.190		ug/L

20431

Sample Information

Sample ID: 0B22027-SRD2
Autosampler Position: 33
Sample Date/Time: Monday, February 22, 2010 16:02:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-SRD2.035
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	345394.058	345394.058				ug/L
[	Be	9	2.667	0.000	0.004978	0.005	106.765	ug/L
[	V	51	3030.615	0.002	0.060702	0.005	7.833	ug/L
[	Cu	63	1183.110	0.004	0.259625	0.009	3.436	ug/L
[	Cu	65	545.360	0.002	0.244626	0.006	2.327	ug/L
[	Zn	66	825.389	0.003	0.685159	0.035	5.084	ug/L
[	Zn	68	819.722	0.002	0.751272	0.010	1.350	ug/L
[>	Ge	72	247565.194	247565.194				ug/L
[	As	75	270.546	0.001	0.172371	0.034	19.640	ug/L
[	Se	77	136.669	0.000	0.095661	0.016	17.171	ug/L
[	Se	82	-42.683	0.000	0.125083	0.101	80.466	ug/L
[>	Rh	103	297491.713	297491.713				ug/L
[	Ag	107	388.682	0.001	0.049831	0.014	28.702	ug/L
[	Cd	111	2.190	0.000	0.000835	0.002	233.355	ug/L
[	Cd	114	15.077	0.000	0.001583	0.001	49.733	ug/L
[>	In	115	236503.102	236503.102				ug/L
[	Sb	121	750.047	0.003	0.117545	0.016	13.338	ug/L
[	Sb	123	619.863	0.002	0.128890	0.006	4.976	ug/L
[	Tl	203	43.001	0.000	0.000623	0.001	143.472	ug/L
[	Tl	205	90.335	0.000	0.000330	0.000	72.895	ug/L
[	Pb	208	4929.048	0.014	0.191427	0.006	2.995	ug/L
[>	Bi	209	325053.148	325053.148				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	95.402
[	Be	9.012	
[	V	50.944	
[	Cu	62.930	
[	Cu	64.928	
[	Zn	65.926	
[	Zn	67.925	
[>	Ge	71.922	99.456
[	As	74.922	
[	Se	76.920	
[	Se	81.917	
[>	Rh	102.905	99.648
[	Ag	106.905	
[	Cd	110.904	
[	Cd	113.904	
[>	In	114.904	97.127

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	98.080

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	348224.848	348224.848		ug/L
Be	9	4.000	0.000	0.011114	ug/L
V	51	2998.184	0.002	0.080830	ug/L
Cu	63	1211.118	0.004	0.269868	ug/L
Cu	65	552.027	0.002	0.251188	ug/L
Zn	66	818.058	0.003	0.686109	ug/L
Zn	68	815.056	0.002	0.756228	ug/L
Ge	72	245033.432	245033.432		ug/L
As	75	292.882	0.001	0.191909	ug/L
Se	77	134.003	0.000	0.082681	ug/L
Se	82	41.796	0.000	0.126808	ug/L
Rh	103	301001.197	301001.197		ug/L
Ag	107	502.023	0.002	0.084228	ug/L
Cd	111	-1.278	-0.000	-0.001131	ug/L
Cd	114	11.648	0.000	0.000710	ug/L
In	115	235792.841	235792.841		ug/L
Sb	121	851.068	0.003	0.135177	ug/L
Sb	123	648.408	0.003	0.134978	ug/L
Tl	203	39.000	0.000	0.000056	ug/L
Tl	205	97.002	0.000	0.000807	ug/L
Pb	208	4950.730	0.013	0.187828	ug/L
Bi	209	331971.400	331971.400		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	345326.996	345326.996		ug/L
Be	9	2.000	0.000	0.001900	ug/L
V	51	3101.780	0.002	0.085640	ug/L
Cu	63	1172.108	0.004	0.253500	ug/L
Cu	65	544.026	0.002	0.240707	ug/L
Zn	66	798.053	0.003	0.649881	ug/L
Zn	68	820.056	0.002	0.739803	ug/L
Ge	72	250318.068	250318.068		ug/L
As	75	298.218	0.001	0.191924	ug/L
Se	77	140.009	0.000	0.114123	ug/L
Se	82	-29.591	0.000	0.223819	ug/L
Rh	103	292830.770	292830.770		ug/L
Ag	107	381.014	0.001	0.049640	ug/L
Cd	111	5.553	0.000	0.002786	ug/L
Cd	114	17.525	0.000	0.002238	ug/L
In	115	240017.076	240017.076		ug/L
Sb	121	688.040	0.003	0.108176	ug/L
Sb	123	568.779	0.002	0.122193	ug/L
Tl	203	50.001	0.000	0.001536	ug/L
Tl	205	87.001	0.000	0.000166	ug/L
Pb	208	4833.679	0.013	0.188416	ug/L
Bi	209	323219.314	323219.314		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	344628.336	344628.336		ug/L
Be	9	2.000	0.000	0.001818	ug/L
V	51	2981.922	0.002	0.058036	ug/L
Cu	63	1166.107	0.004	0.256615	ug/L
Cu	65	540.026	0.002	0.242016	ug/L
Zn	66	880.060	0.003	0.719513	ug/L
Zn	68	824.056	0.002	0.757988	ug/L
Ge	72	247344.082	247344.082		ug/L
As	75	219.538	0.001	0.133280	ug/L
Se	77	136.003	0.000	0.090200	ug/L
Se	82	-58.883	0.000	0.022622	ug/L
Rh	103	298543.173	298543.173		ug/L
Ag	107	283.008	0.001	0.035625	ug/L
Cd	111	2.294	0.000	0.000871	ug/L
Cd	114	18.052	0.000	0.001802	ug/L
In	115	233888.386	233888.386		ug/L
Sb	121	711.042	0.003	0.112282	ug/L
Sb	123	615.403	0.002	0.129500	ug/L
Tl	203	40.001	0.000	0.000287	ug/L
Tl	205	87.001	0.000	0.000218	ug/L
Pb	208	5002.736	0.014	0.196039	ug/L
Bi	209	319968.729	319968.729		ug/L

20433

Sample Information

Sample ID: 1000901-PS4
Autosampler Position: 34
Sample Date/Time: Monday, February 22, 2010 16:06:17
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1000901-PS4.036
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	354132.830	354132.830				ug/L
⌊	Be	9	3957.136	0.011	17.864298	0.448	2.506	ug/L
⌈	V	51	155715.521	0.620	19.984397	0.220	1.101	ug/L
|	Cu	63	83127.095	0.336	21.133531	0.264	1.251	ug/L
|	Cu	65	39524.112	0.160	20.994300	0.180	0.859	ug/L
|	Zn	66	22165.562	0.089	21.520473	0.241	1.122	ug/L
|	Zn	68	16039.817	0.064	21.152572	0.106	0.499	ug/L
|>	Ge	72	246853.231	246853.231				ug/L
|	As	75	25626.801	0.104	19.746420	0.361	1.830	ug/L
|	Se	77	1952.953	0.007	18.733114	0.905	4.833	ug/L
⌊	Se	82	2431.475	0.010	18.312686	0.600	3.276	ug/L
⌈>	Rh	103	299571.449	299571.449				ug/L
|	Ag	107	143756.063	0.480	19.065892	0.247	1.293	ug/L
|	Cd	111	32913.253	0.110	18.455506	0.275	1.488	ug/L
⌊	Cd	114	77712.448	0.259	18.755004	0.262	1.396	ug/L
⌈>	In	115	240697.910	240697.910				ug/L
|	Sb	121	110088.057	0.457	18.464567	0.286	1.549	ug/L
⌊	Sb	123	83802.626	0.348	18.348978	0.363	1.977	ug/L
⌈	Tl	203	138949.266	0.423	19.222387	0.550	2.863	ug/L
|	Tl	205	336801.018	1.026	19.641393	0.544	2.768	ug/L
|	Pb	208	476071.757	1.449	20.498293	0.468	2.282	ug/L
⌊>	Bi	209	328316.530	328316.530				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.816
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.170
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.345
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.849

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.064

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	357108.536	357108.536		ug/L
Be	9	3879.082	0.011	17.384768	ug/L
V	51	158123.933	0.628	20.222844	ug/L
Cu	63	82276.988	0.331	20.838818	ug/L
Cu	65	39364.508	0.158	20.825785	ug/L
Zn	66	22008.086	0.088	21.284685	ug/L
Zn	68	16190.480	0.084	21.274124	ug/L
Ge	72	247773.584	247773.584		ug/L
As	75	25548.569	0.103	19.612108	ug/L
Se	77	1872.284	0.007	17.831846	ug/L
Se	82	2414.048	0.010	18.116974	ug/L
Rh	103	302723.788	302723.788		ug/L
Ag	107	145306.536	0.480	19.069689	ug/L
Cd	111	32700.088	0.108	18.143656	ug/L
Cd	114	77271.883	0.255	18.452941	ug/L
In	115	240948.184	240948.184		ug/L
Sb	121	108450.174	0.450	18.170280	ug/L
Sb	123	62188.116	0.341	17.971807	ug/L
Tl	203	138666.294	0.408	18.581605	ug/L
Tl	205	336686.101	0.988	19.037478	ug/L
Pb	208	479780.422	1.417	20.039889	ug/L
Bi	209	338310.752	338310.752		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348624.788	348624.788		ug/L
Be	9	3824.117	0.011	17.998130	ug/L
V	51	153644.798	0.614	19.788888	ug/L
Cu	63	83868.002	0.340	21.349288	ug/L
Cu	65	39735.614	0.161	21.184482	ug/L
Zn	66	22073.274	0.089	21.509580	ug/L
Zn	68	15841.930	0.084	21.100409	ug/L
Ge	72	245946.016	245946.016		ug/L
As	75	26081.632	0.106	20.155614	ug/L
Se	77	2034.310	0.008	19.642393	ug/L
Se	82	2357.560	0.010	17.833676	ug/L
Rh	103	300144.234	300144.234		ug/L
Ag	107	142163.184	0.474	18.817483	ug/L
Cd	111	33348.986	0.111	18.661617	ug/L
Cd	114	78543.389	0.262	18.917840	ug/L
In	115	239563.608	239563.608		ug/L
Sb	121	111210.156	0.464	18.741497	ug/L
Sb	123	64980.372	0.358	18.686249	ug/L
Tl	203	140630.338	0.429	19.470875	ug/L
Tl	205	338814.388	1.034	19.794777	ug/L
Pb	208	474841.420	1.448	20.482568	ug/L
Bi	209	327842.181	327842.181		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	358787.190	358787.190		ug/L
Be	9	4088.199	0.011	18.229996	ug/L
V	51	155377.831	0.619	19.841960	ug/L
Cu	63	83438.313	0.337	21.212794	ug/L
Cu	65	39482.212	0.160	20.972674	ug/L
Zn	66	22417.348	0.090	21.787183	ug/L
Zn	68	15987.031	0.084	21.083184	ug/L
Ge	72	246840.084	246840.084		ug/L
As	75	25270.212	0.102	19.471841	ug/L
Se	77	1952.288	0.007	18.725103	ug/L
Se	82	2522.818	0.010	18.985608	ug/L
Rh	103	295846.347	295846.347		ug/L
Ag	107	143798.486	0.486	19.310603	ug/L
Cd	111	32682.686	0.111	18.561243	ug/L
Cd	114	77322.092	0.261	18.884232	ug/L
In	115	241591.871	241591.871		ug/L
Sb	121	110803.843	0.458	18.481923	ug/L
Sb	123	64258.388	0.349	18.379877	ug/L
Tl	203	137782.186	0.432	19.604684	ug/L
Tl	205	334823.564	1.050	20.091827	ug/L
Pb	208	473483.429	1.483	20.973663	ug/L
Bi	209	318998.658	318998.658		ug/L

00435

Sample Information

Sample ID: 1002004-09
Autosampler Position: 35
Sample Date/Time: Monday, February 22, 2010 16:14:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002004-09.037
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	353378.650	353378.650				ug/L
⌊	Be	9	1.333	-0.000	-0.001334	0.003	194.147	ug/L
⌈	V	51	3440.873	0.004	0.114665	0.005	4.005	ug/L
|	Cu	63	864.728	0.003	0.179038	0.007	3.632	ug/L
|	Cu	65	453.019	0.001	0.195951	0.008	4.203	ug/L
|	Zn	66	2574.823	0.010	2.391741	0.072	3.030	ug/L
|	Zn	68	2989.989	0.011	3.657412	0.095	2.588	ug/L
\>	Ge	72	247239.155	247239.155				ug/L
|	As	75	969.398	0.004	0.711536	0.069	9.673	ug/L
|	Se	77	128.002	0.000	0.008495	0.054	638.366	ug/L
⌊	Se	82	-60.413	-0.000	-0.004730	0.104	2189.555	ug/L
⌈>	Rh	103	303574.183	303574.183				ug/L
|	Ag	107	89.001	0.000	0.009611	0.001	10.288	ug/L
|	Cd	111	3.681	0.000	0.001637	0.006	383.893	ug/L
⌊	Cd	114	28.273	0.000	0.004648	0.002	43.039	ug/L
⌈>	In	115	239240.109	239240.109				ug/L
|	Sb	121	2184.356	0.009	0.358212	0.008	2.193	ug/L
⌊	Sb	123	1674.169	0.007	0.359633	0.003	0.790	ug/L
⌈	Tl	203	37.334	-0.000	-0.000235	0.001	367.134	ug/L
|	Tl	205	101.668	0.000	0.000921	0.001	71.006	ug/L
|	Pb	208	2357.842	0.006	0.078243	0.002	2.350	ug/L
⌊>	Bi	209	329064.822	329064.822				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.607
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
\>	Ge	71.922	99.325
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	101.685
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.251

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
	Bi	208.980

99.290

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	380848.230	380848.230		ug/L
Be	9	1.000	-0.000	-0.002808	ug/L
V	51	3507.546	0.004	0.119800	ug/L
Cu	63	855.080	0.003	0.174833	ug/L
Cu	65	444.018	0.001	0.189268	ug/L
Zn	66	2529.473	0.010	2.327752	ug/L
Zn	68	2981.645	0.011	3.587820	ug/L
Ga	72	249189.611	249189.611		ug/L
As	75	874.412	0.003	0.632791	ug/L
Se	77	134.003	0.000	0.060986	ug/L
Se	82	-78.869	-0.000	0.121888	ug/L
Rh	103	302246.161	302246.161		ug/L
Ag	107	91.001	0.000	0.009822	ug/L
Cd	111	9.582	0.000	0.004908	ug/L
Cd	114	23.710	0.000	0.003584	ug/L
In	115	238494.412	238494.412		ug/L
Sb	121	2227.388	0.008	0.368827	ug/L
Sb	123	1658.958	0.007	0.357420	ug/L
Tl	203	38.000	-0.000	-0.000231	ug/L
Tl	205	113.002	0.000	0.001480	ug/L
Pb	208	2347.174	0.008	0.078130	ug/L
Bi	209	334489.833	334489.833		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	354508.787	354508.787		ug/L
Be	9	1.000	-0.000	-0.002881	ug/L
V	51	3372.932	0.003	0.110863	ug/L
Cu	63	864.084	0.003	0.188529	ug/L
Cu	65	466.020	0.002	0.208150	ug/L
Zn	66	2625.509	0.010	2.470437	ug/L
Zn	68	3035.675	0.011	3.765176	ug/L
Ga	72	244386.106	244386.106		ug/L
As	75	997.120	0.004	0.741581	ug/L
Se	77	121.002	-0.000	-0.048418	ug/L
Se	82	-54.717	0.000	0.032060	ug/L
Rh	103	303256.677	303256.677		ug/L
Ag	107	95.002	0.000	0.010406	ug/L
Cd	111	10.887	0.000	0.005611	ug/L
Cd	114	37.928	0.000	0.006886	ug/L
In	115	238408.629	238408.629		ug/L
Sb	121	2189.361	0.008	0.356938	ug/L
Sb	123	1582.837	0.007	0.362838	ug/L
Tl	203	31.000	0.000	-0.001088	ug/L
Tl	205	104.002	0.000	0.001083	ug/L
Pb	208	2371.178	0.008	0.079123	ug/L
Bi	209	328020.980	328020.980		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	354678.831	354678.831		ug/L
Be	9	2.000	0.000	0.001886	ug/L
V	51	3442.143	0.004	0.113241	ug/L
Cu	63	858.080	0.003	0.175752	ug/L
Cu	65	450.019	0.001	0.193440	ug/L
Zn	66	2569.486	0.010	2.377033	ug/L
Zn	68	2972.648	0.011	3.619240	ug/L
Ga	72	248132.748	248132.748		ug/L
As	75	1036.661	0.004	0.780236	ug/L
Se	77	129.002	0.000	0.014336	ug/L
Se	82	49.623	0.000	0.075426	ug/L
Rh	103	306219.711	306219.711		ug/L
Ag	107	81.001	0.000	0.008504	ug/L
Cd	111	9.427	0.000	-0.005607	ug/L
Cd	114	23.162	0.000	0.003404	ug/L
In	115	240820.287	240820.287		ug/L
Sb	121	2158.347	0.009	0.351071	ug/L
Sb	123	1580.711	0.007	0.356840	ug/L
Tl	203	43.001	0.000	0.000828	ug/L
Tl	205	88.001	0.000	0.000202	ug/L
Pb	208	2355.174	0.008	0.079477	ug/L
Bi	209	324683.543	324683.543		ug/L

09437

Sample Information

Sample ID: 1002004-10
Autosampler Position: 36
Sample Date/Time: Monday, February 22, 2010 16:18:17
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002004-10.038
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	352210.142	352210.142				ug/L
	Be	9	3.333	0.000	0.007766	0.003	32.759	ug/L
	V	51	5689.678	0.013	0.417633	0.021	5.078	ug/L
	Cu	63	5261.990	0.021	1.315313	0.040	3.058	ug/L
	Cu	65	2568.821	0.010	1.338274	0.006	0.473	ug/L
	Zn	66	3384.169	0.013	3.224955	0.128	3.980	ug/L
	Zn	68	2717.878	0.010	3.340516	0.026	0.781	ug/L
>	Ge	72	244040.566	244040.566				ug/L
	As	75	1017.426	0.004	0.758787	0.031	4.130	ug/L
	Se	77	144.336	0.000	0.197261	0.169	85.642	ug/L
	Se	82	-24.752	0.000	0.253519	0.068	26.982	ug/L
>	Rh	103	295947.541	295947.541				ug/L
	Ag	107	75.001	0.000	0.008023	0.002	25.334	ug/L
	Cd	111	12.357	0.000	0.006627	0.005	68.508	ug/L
	Cd	114	23.761	0.000	0.003710	0.001	33.091	ug/L
>	In	115	240366.301	240366.301				ug/L
	Sb	121	2626.843	0.011	0.430834	0.012	2.679	ug/L
	Sb	123	2101.911	0.009	0.451789	0.014	3.156	ug/L
	Tl	203	49.334	0.000	0.001459	0.001	84.423	ug/L
	Tl	205	114.335	0.000	0.001699	0.000	16.486	ug/L
	Pb	208	50541.298	0.153	2.160705	0.033	1.540	ug/L
>	Bi	209	327412.671	327412.671				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.285
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.040
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.131
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.713

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	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.792

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	354777.656	354777.656		ug/L
Be	9	3.000	0.000	0.006161	ug/L
V	51	5724.683	0.014	0.438664	ug/L
Cu	63	5323.036	0.022	1.360791	ug/L
Cu	65	2515.466	0.010	1.339394	ug/L
Zn	66	3460.869	0.014	3.354314	ug/L
Zn	68	2888.525	0.010	3.354614	ug/L
Ge	72	238778.906	238778.906		ug/L
As	75	1014.467	0.004	0.773708	ug/L
Se	77	158.003	0.000	0.373484	ug/L
Se	82	-32.561	0.000	0.190661	ug/L
Rh	103	292805.847	292805.847		ug/L
Ag	107	78.001	0.000	0.006279	ug/L
Cd	111	19.290	0.000	0.010684	ug/L
Cd	114	20.781	0.000	0.003042	ug/L
In	115	242191.313	242191.313		ug/L
Sb	121	2800.499	0.010	0.423101	ug/L
Sb	123	2043.187	0.008	0.435471	ug/L
Tl	203	43.001	0.000	0.000520	ug/L
Tl	205	113.002	0.000	0.001580	ug/L
Pb	208	50115.711	0.150	2.122302	ug/L
Bi	209	330439.781	330439.781		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	354181.114	354181.114		ug/L
Be	9	4.000	0.000	0.010598	ug/L
V	51	5737.432	0.013	0.417998	ug/L
Cu	63	5182.932	0.020	1.264442	ug/L
Cu	65	2575.490	0.010	1.331453	ug/L
Zn	66	3384.838	0.013	3.198817	ug/L
Zn	68	2750.557	0.010	3.356616	ug/L
Ge	72	245887.035	245887.035		ug/L
As	75	1052.624	0.004	0.778976	ug/L
Se	77	130.002	0.000	0.308660	ug/L
Se	82	-48.395	0.000	0.243541	ug/L
Rh	103	298156.827	298156.827		ug/L
Ag	107	59.001	0.000	0.005878	ug/L
Cd	111	13.998	0.000	0.007519	ug/L
Cd	114	20.679	0.000	0.002981	ug/L
In	115	240070.424	240070.424		ug/L
Sb	121	2702.538	0.011	0.444101	ug/L
Sb	123	2145.337	0.009	0.461838	ug/L
Tl	203	46.001	0.000	0.001003	ug/L
Tl	205	111.002	0.000	0.001516	ug/L
Pb	208	50859.349	0.154	2.178884	ug/L
Bi	209	326758.929	326758.929		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	347871.656	347871.656		ug/L
Be	9	3.000	0.000	0.006438	ug/L
V	51	5808.921	0.012	0.398246	ug/L
Cu	63	5280.004	0.021	1.300706	ug/L
Cu	65	2615.505	0.010	1.343975	ug/L
Zn	66	3316.803	0.013	3.111632	ug/L
Zn	68	2733.550	0.010	3.310416	ug/L
Ge	72	247456.656	247456.656		ug/L
As	75	985.187	0.004	0.722778	ug/L
Se	77	145.003	0.000	0.181669	ug/L
Se	82	-15.268	0.000	0.326388	ug/L
Rh	103	299079.948	299079.948		ug/L
Ag	107	90.001	0.000	0.009816	ug/L
Cd	111	3.788	0.000	0.001707	ug/L
Cd	114	29.843	0.000	0.008127	ug/L
In	115	238837.186	238837.186		ug/L
Sb	121	2577.491	0.011	0.425300	ug/L
Sb	123	2117.208	0.009	0.458080	ug/L
Tl	203	59.001	0.000	0.002663	ug/L
Tl	205	119.002	0.000	0.002022	ug/L
Pb	208	50648.835	0.154	2.181130	ug/L
Bi	209	325042.324	325042.324		ug/L

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98439

Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 22, 2010 16:21:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.039
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	349966.273	349966.273				ug/L
⌊	Be	9	7826.364	0.022	35.756901	0.204	0.571	ug/L
⌈	V	51	281453.020	1.139	36.693880	0.471	1.282	ug/L
|	Cu	63	151511.213	0.618	38.868934	0.145	0.374	ug/L
|	Cu	65	71643.891	0.292	38.404994	0.169	0.440	ug/L
|	Zn	66	38373.186	0.156	37.650714	0.311	0.827	ug/L
|	Zn	68	27854.485	0.113	37.294265	0.280	0.751	ug/L
|>	Ge	72	244838.928	244838.928				ug/L
|	As	75	49559.843	0.202	38.534650	0.191	0.495	ug/L
|	Se	77	3724.342	0.015	37.215800	0.890	2.393	ug/L
⌊	Se	82	5005.208	0.021	37.536246	0.647	1.724	ug/L
⌈>	Rh	103	293952.111	293952.111				ug/L
|	Ag	107	281185.163	0.957	38.006882	0.274	0.721	ug/L
|	Cd	111	64794.132	0.220	37.028024	0.791	2.137	ug/L
⌊	Cd	114	153443.992	0.522	37.740743	0.360	0.954	ug/L
⌈>	In	115	237463.886	237463.886				ug/L
|	Sb	121	214435.553	0.903	36.469556	1.251	3.429	ug/L
⌊	Sb	123	161264.677	0.679	35.804853	1.691	4.722	ug/L
⌈	Tl	203	268392.943	0.833	37.830664	0.364	0.963	ug/L
|	Tl	205	649317.323	2.016	38.581139	0.355	0.919	ug/L
|	Pb	208	864863.122	2.683	37.957653	0.271	0.715	ug/L
⌊>	Bi	209	322113.802	322113.802				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.665
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.360
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.462
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.521

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	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	*204.975*
	Pb	207.977
>	Bi	208.980

97.193

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B22027-CCV	Be	9	
0B22027-CCV	Sb	123	OK

Replicates

Repeat 1

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Units
>	Li	6	352314.078	352314.078		ug/L
	Be	9	7903.449	0.022	35.888824	ug/L
	V	51	285824.073	1.158	37.237101	ug/L
	Cu	63	152070.229	0.620	39.008733	ug/L
	Cu	65	71698.788	0.292	38.428781	ug/L
	Zn	66	38158.032	0.156	37.433383	ug/L
	Zn	68	28087.318	0.114	37.576283	ug/L
>	Ge	72	244875.138	244875.138		ug/L
	As	75	49836.734	0.203	38.743644	ug/L
	Se	77	3636.982	0.014	36.308484	ug/L
	Se	82	4972.580	0.021	37.288778	ug/L
>	Rh	103	294931.653	294931.653		ug/L
	Ag	107	281029.371	0.953	37.657823	ug/L
	Cd	111	65508.110	0.222	37.308510	ug/L
	Cd	114	152684.756	0.518	37.429873	ug/L
>	In	115	238787.242	238787.242		ug/L
	Sb	121	207118.007	0.867	35.025824	ug/L
	Sb	123	153435.610	0.642	33.670882	ug/L
	Tl	203	256367.312	0.824	37.410113	ug/L
	Tl	205	649256.777	2.008	38.436332	ug/L
	Pb	208	867221.979	2.681	37.925813	ug/L
>	Bi	209	323288.511	323288.511		ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Units
>	Li	6	348687.175	348687.175		ug/L
	Be	9	7744.273	0.022	35.521200	ug/L
	V	51	279438.137	1.131	36.432777	ug/L
	Cu	63	150902.848	0.616	38.717133	ug/L
	Cu	65	71300.809	0.291	38.225241	ug/L
	Zn	66	38227.402	0.156	37.511808	ug/L
	Zn	68	27848.480	0.113	37.290434	ug/L
>	Ge	72	244810.984	244810.984		ug/L
	As	75	49487.957	0.202	38.490886	ug/L
	Se	77	3608.053	0.015	36.085873	ug/L
	Se	82	5103.729	0.021	38.270744	ug/L
>	Rh	103	295028.570	295028.570		ug/L
	Ag	107	281841.614	0.952	37.838832	ug/L
	Cd	111	63861.833	0.215	36.134547	ug/L
	Cd	114	154140.644	0.521	37.667283	ug/L
>	In	115	234817.429	234817.429		ug/L
	Sb	121	216383.153	0.921	37.208121	ug/L
	Sb	123	164836.286	0.702	37.003480	ug/L
	Tl	203	270673.083	0.838	38.040138	ug/L
	Tl	205	646581.588	2.002	38.320131	ug/L
	Pb	208	873579.563	2.703	38.242506	ug/L
>	Bi	209	322935.915	322935.915		ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Units
>	Li	6	348987.566	348987.566		ug/L
	Be	9	7831.309	0.022	35.880580	ug/L
	V	51	279298.848	1.130	36.411763	ug/L
	Cu	63	151580.562	0.618	38.882938	ug/L
	Cu	65	71932.097	0.293	38.580980	ug/L
	Zn	66	38734.128	0.158	38.007251	ug/L
	Zn	68	27647.580	0.112	37.016098	ug/L
>	Ge	72	244830.651	244830.651		ug/L
	As	75	49345.836	0.201	38.389411	ug/L
	Se	77	3728.010	0.015	37.254983	ug/L
	Se	82	4939.336	0.020	37.048218	ug/L
>	Rh	103	290998.111	290998.111		ug/L
	Ag	107	280888.503	0.966	38.323280	ug/L
	Cd	111	65211.452	0.224	37.641016	ug/L
	Cd	114	153486.576	0.527	38.135074	ug/L
>	In	115	238788.988	238788.988		ug/L
	Sb	121	219824.500	0.920	37.174824	ug/L
	Sb	123	165423.154	0.693	36.540088	ug/L
	Tl	203	268238.436	0.838	38.041741	ug/L
	Tl	205	652104.808	2.037	38.684984	ug/L
	Pb	208	853787.824	2.666	37.703840	ug/L
>	Bi	209	320135.980	320135.980		ug/L

Sample ID: 0B22027-CCV
Report Date/Time: Monday, February 22, 2010 16:23:34

00411

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 16:30:15
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.040
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	348124.148	348124.148				ug/L
⌊	Be	9	1.667	0.000	0.000299	0.003	892.116	ug/L
⌈	V	51	2192.964	-0.001	-0.047684	0.004	9.125	ug/L
⌈	Cu	63	157.670	-0.000	-0.000795	0.003	359.474	ug/L
⌊	Cu	65	82.001	-0.000	-0.001257	0.003	269.060	ug/L
⌈	Zn	66	129.336	0.000	0.007794	0.010	129.703	ug/L
⌊	Zn	68	267.008	0.000	0.013108	0.039	300.613	ug/L
⌈>	Ge	72	247032.293	247032.293				ug/L
⌈	As	75	-103.782	-0.001	-0.115950	0.008	6.641	ug/L
⌈	Se	77	127.002	0.000	0.000171	0.060	34906.283	ug/L
⌊	Se	82	-77.144	-0.000	-0.128106	0.096	75.176	ug/L
⌈>	Rh	103	297705.090	297705.090				ug/L
⌈	Ag	107	67.334	0.000	0.006948	0.002	34.126	ug/L
⌈	Cd	111	5.833	0.000	0.002872	0.000	14.302	ug/L
⌊	Cd	114	9.706	0.000	0.000266	0.001	327.968	ug/L
⌈>	In	115	238290.605	238290.605				ug/L
⌈	Sb	121	533.025	0.002	0.079733	0.007	8.791	ug/L
⌊	Sb	123	412.888	0.002	0.082008	0.005	6.338	ug/L
⌈	Tl	203	40.334	0.000	0.000249	0.001	468.229	ug/L
⌈	Tl	205	83.335	-0.000	-0.000081	0.000	564.947	ug/L
⌈	Pb	208	486.678	-0.000	-0.001979	0.000	20.955	ug/L
⌊>	Bi	209	325467.297	325467.297				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.156
⌊	Be	9.012	
⌈	V	50.944	
⌈	Cu	62.930	
⌊	Cu	64.928	
⌈	Zn	65.926	
⌊	Zn	67.925	
⌈>	Ge	71.922	99.241
⌈	As	74.922	
⌈	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.719
⌈	Ag	106.905	
⌈	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.861

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.205

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	348170.175	348170.175		ug/L
	Be	9	1.000	-0.000	0.002782	ug/L
	V	51	2143.727	-0.002	-0.051497	ug/L
	Cu	63	145.003	0.000	0.003675	ug/L
	Cu	65	75.001	0.000	0.004808	ug/L
	Zn	66	140.003	0.000	0.018397	ug/L
	Zn	68	266.008	0.000	0.013933	ug/L
>	Ge	72	244779.857	244779.857		ug/L
	As	75	-103.291	-0.001	-0.116266	ug/L
	Se	77	129.002	0.000	0.032370	ug/L
	Se	82	-82.451	-0.000	-0.024646	ug/L
>	Rh	103	296589.256	296589.256		ug/L
	Ag	107	87.001	0.000	0.009511	ug/L
	Cd	111	5.158	0.000	0.002507	ug/L
	Cd	114	6.397	-0.000	-0.000529	ug/L
>	In	115	238463.749	238463.749		ug/L
	Sb	121	579.029	0.002	0.087466	ug/L
	Sb	123	422.639	0.002	0.084104	ug/L
	Tl	203	34.000	-0.000	-0.000731	ug/L
	Tl	205	79.001	-0.000	-0.000434	ug/L
	Pb	208	490.011	-0.000	-0.002221	ug/L
>	Bi	209	331446.868	331446.868		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	348718.031	348718.031		ug/L
	Be	9	2.000	0.000	0.001784	ug/L
	V	51	2259.694	-0.001	-0.042945	ug/L
	Cu	63	160.003	-0.000	0.000749	ug/L
	Cu	65	83.001	0.000	0.001320	ug/L
	Zn	66	124.002	0.000	0.000890	ug/L
	Zn	68	300.009	0.000	0.052094	ug/L
>	Ge	72	250428.852	250428.852		ug/L
	As	75	94.956	0.001	-0.108101	ug/L
	Se	77	122.002	0.000	-0.058813	ug/L
	Se	82	80.436	-0.000	-0.144527	ug/L
>	Rh	103	299982.035	299982.035		ug/L
	Ag	107	82.001	0.000	0.008171	ug/L
	Cd	111	5.738	0.000	0.002783	ug/L
	Cd	114	13.643	0.000	0.001200	ug/L
>	In	115	235668.278	235668.278		ug/L
	Sb	121	523.024	0.002	0.077939	ug/L
	Sb	123	430.640	0.002	0.085831	ug/L
	Tl	203	49.001	0.000	0.001541	ug/L
	Tl	205	91.001	0.000	0.000438	ug/L
	Pb	208	491.011	-0.000	-0.001500	ug/L
>	Bi	209	321048.612	321048.612		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	345484.239	345484.239		ug/L
	Be	9	2.000	0.000	0.001668	ug/L
	V	51	2175.471	-0.002	-0.048610	ug/L
	Cu	63	168.004	0.000	0.002038	ug/L
	Cu	65	88.001	0.000	0.002167	ug/L
	Zn	66	124.002	0.000	0.000084	ug/L
	Zn	68	238.008	-0.000	-0.026702	ug/L
>	Ge	72	245888.088	245888.088		ug/L
	As	75	-113.088	-0.001	-0.123483	ug/L
	Se	77	130.002	0.000	0.036666	ug/L
	Se	82	-88.546	-0.000	-0.215145	ug/L
>	Rh	103	296433.978	296433.978		ug/L
	Ag	107	53.001	0.000	0.005093	ug/L
	Cd	111	6.594	0.000	0.003317	ug/L
	Cd	114	9.078	0.000	0.000127	ug/L
>	In	115	237839.788	237839.788		ug/L
	Sb	121	497.022	0.002	0.073794	ug/L
	Sb	123	385.386	0.001	0.076090	ug/L
	Tl	203	38.000	-0.000	-0.000082	ug/L
	Tl	205	80.001	0.000	-0.000258	ug/L
	Pb	208	479.011	0.000	0.002215	ug/L
>	Bi	209	323908.419	323908.419		ug/L

Sample ID: 0B22027-CCB
Report Date/Time: Monday, February 22, 2010 16:32:01

Sample Information

Sample ID: 1002004-11
Autosampler Position: 37
Sample Date/Time: Monday, February 22, 2010 16:34:14
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002004-11.041
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	348724.297	348724.297				ug/L
⌊	Be	9	3.000	0.000	0.006437	0.012	189.079	ug/L
⌈	V	51	3896.546	0.005	0.159772	0.007	4.672	ug/L
|	Cu	63	726.711	0.002	0.138686	0.005	3.479	ug/L
|	Cu	65	321.344	0.001	0.121093	0.006	4.938	ug/L
|	Zn	66	1016.749	0.004	0.844708	0.023	2.765	ug/L
|	Zn	68	935.404	0.003	0.872109	0.063	7.209	ug/L
|>	Ge	72	254399.611	254399.611				ug/L
⌈	As	75	173.549	0.000	0.094164	0.018	18.875	ug/L
|	Se	77	135.003	0.000	0.041854	0.100	238.030	ug/L
⌊	Se	82	-53.687	0.000	0.055451	0.069	124.905	ug/L
⌈>	Rh	103	302396.146	302396.146				ug/L
|	Ag	107	82.001	0.000	0.008735	0.000	3.252	ug/L
|	Cd	111	13.592	0.000	0.007142	0.003	42.227	ug/L
⌊	Cd	114	42.474	0.000	0.008062	0.001	15.481	ug/L
⌈>	In	115	245182.028	245182.028				ug/L
|	Sb	121	528.025	0.002	0.076380	0.006	7.629	ug/L
⌊	Sb	123	401.761	0.001	0.077034	0.009	11.187	ug/L
⌈	Tl	203	79.668	0.000	0.005380	0.001	9.721	ug/L
|	Tl	205	178.337	0.000	0.005176	0.000	1.418	ug/L
|	Pb	208	1235.053	0.002	0.028873	0.001	1.976	ug/L
⌊>	Bi	209	335950.656	335950.656				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.322
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	102.201
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	101.291
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	100.691

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

101.368

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	347837.029	347837.029		ug/L
Be	9	5.000	0.000	0.015640	ug/L
V	51	3831.647	0.006	0.151161	ug/L
Cu	63	748.047	0.002	0.143822	ug/L
Cu	65	326.011	0.001	0.123387	ug/L
Zn	66	989.079	0.003	0.817780	ug/L
Zn	68	910.087	0.003	0.838352	ug/L
Ge	72	254887.443	254887.443		ug/L
As	75	148.349	0.000	0.075181	ug/L
Se	77	130.002	-0.000	-0.008143	ug/L
Se	82	-64.420	0.000	0.020826	ug/L
Rh	103	304134.886	304134.886		ug/L
Ag	107	80.001	0.000	0.008411	ug/L
Cd	111	7.539	0.000	0.003744	ug/L
Cd	114	48.337	0.000	0.009403	ug/L
In	115	248625.088	248625.088		ug/L
Sb	121	558.027	0.002	0.080898	ug/L
Sb	123	418.639	0.002	0.080567	ug/L
Tl	203	79.001	0.000	0.005048	ug/L
Tl	205	181.004	0.000	0.006082	ug/L
Pb	208	1252.056	0.002	0.028388	ug/L
Bi	209	343775.878	343775.878		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
U	6	350785.877	350785.877		ug/L
Be	9	0.000	-0.000	-0.007382	ug/L
V	51	3918.420	0.006	0.164425	ug/L
Cu	63	708.042	0.002	0.134249	ug/L
Cu	65	307.010	0.001	0.114307	ug/L
Zn	66	1028.084	0.004	0.857241	ug/L
Zn	68	902.086	0.003	0.833331	ug/L
Ge	72	253438.178	253438.178		ug/L
As	75	194.529	0.001	0.110411	ug/L
Se	77	146.003	0.000	0.158864	ug/L
Se	82	45.239	0.000	0.114413	ug/L
Rh	103	300301.649	300301.649		ug/L
Ag	107	83.001	0.000	0.008841	ug/L
Cd	111	17.738	0.000	0.009502	ug/L
Cd	114	37.475	0.000	0.008535	ug/L
In	115	245780.728	245780.728		ug/L
Sb	121	489.022	0.002	0.068752	ug/L
Sb	123	432.010	0.002	0.083332	ug/L
Tl	203	84.001	0.000	0.006983	ug/L
Tl	205	179.004	0.000	0.006229	ug/L
Pb	208	1248.056	0.002	0.029591	ug/L
Bi	209	335420.072	335420.072		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
U	6	347770.287	347770.287		ug/L
Be	9	4.000	0.000	0.011032	ug/L
V	51	3939.871	0.006	0.163729	ug/L
Cu	63	726.044	0.002	0.137988	ug/L
Cu	65	331.011	0.001	0.125587	ug/L
Zn	66	1035.085	0.004	0.856123	ug/L
Zn	68	994.079	0.003	0.844843	ug/L
Ge	72	255188.213	255188.213		ug/L
As	75	177.767	0.001	0.099001	ug/L
Se	77	129.002	-0.000	-0.021949	ug/L
Se	82	-51.404	0.000	0.072787	ug/L
Rh	103	302751.923	302751.923		ug/L
Ag	107	83.001	0.000	0.008852	ug/L
Cd	111	15.488	0.000	0.008179	ug/L
Cd	114	41.610	0.000	0.007849	ug/L
In	115	244240.268	244240.268		ug/L
Sb	121	540.026	0.002	0.078694	ug/L
Sb	123	354.636	0.001	0.067212	ug/L
Tl	203	78.001	0.000	0.006111	ug/L
Tl	205	175.004	0.000	0.006208	ug/L
Pb	208	1206.051	0.002	0.028733	ug/L
Bi	209	328658.218	328658.218		ug/L

00415

Sample Information

Sample ID: 1002004-12
Autosampler Position: 38
Sample Date/Time: Monday, February 22, 2010 16:37:44
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002004-12.042
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	354898.022	354898.022				ug/L
⌊	Be	9	2.333	0.000	0.003162	0.003	84.252	ug/L
⌈	V	51	3197.771	0.002	0.074285	0.014	18.820	ug/L
|	Cu	63	558.361	0.002	0.097998	0.007	6.706	ug/L
|	Cu	65	260.674	0.001	0.090663	0.007	7.869	ug/L
|	Zn	66	3446.866	0.013	3.169281	0.048	1.515	ug/L
|	Zn	68	2554.482	0.009	3.000954	0.014	0.460	ug/L
\>	Ge	72	252652.369	252652.369				ug/L
|	As	75	120.679	0.000	0.054935	0.025	46.362	ug/L
|	*Se*	77	*131.336*	*0.000*	*0.014938*	*0.095*	*635.307*	*ug/L*
⌊	Se	82	-55.060	0.000	0.043749	0.159	363.788	ug/L
⌈>	Rh	103	302638.843	302638.843				ug/L
|	Ag	107	43.334	0.000	0.003650	0.000	11.785	ug/L
|	Cd	111	3.721	0.000	0.001647	0.001	46.729	ug/L
⌊	Cd	114	16.521	0.000	0.001863	0.001	43.528	ug/L
⌈>	In	115	243281.352	243281.352				ug/L
|	Sb	121	316.010	0.001	0.041861	0.005	11.399	ug/L
⌊	Sb	123	242.752	0.001	0.043274	0.003	6.559	ug/L
⌈	Tl	203	33.667	-0.000	-0.000828	0.000	9.551	ug/L
|	Tl	205	57.667	-0.000	-0.001689	0.000	23.795	ug/L
|	Pb	208	3777.095	0.010	0.136310	0.003	2.454	ug/L
⌊>	Bi	209	335188.456	335188.456				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	98.027
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
\>	Ge	71.922	101.499
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	101.372
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.910

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

101.138

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
U	6	354288.292	354288.292		ug/L
Be	9	2.000	0.000	0.001988	ug/L
V	51	3240.158	0.003	0.088310	ug/L
Cu	63	581.028	0.002	0.100870	ug/L
Cu	65	263.007	0.001	0.094136	ug/L
Zn	66	3380.819	0.013	3.129584	ug/L
Zn	68	2522.471	0.009	3.012527	ug/L
Ge	72	248611.992	248611.992		ug/L
As	75	80.080	0.000	0.026529	ug/L
Se	77	140.003	0.000	0.123841	ug/L
Se	82	64.467	-0.000	-0.032223	ug/L
Rh	103	303514.283	303514.283		ug/L
Ag	107	46.001	0.000	0.000188	ug/L
Cd	111	5.108	0.000	0.002408	ug/L
Cd	114	15.970	0.000	0.001717	ug/L
In	115	242548.208	242548.208		ug/L
Sb	121	348.012	0.001	0.047340	ug/L
Sb	123	253.378	0.001	0.048736	ug/L
Tl	203	34.000	-0.000	-0.000878	ug/L
Tl	205	61.001	-0.000	-0.002133	ug/L
Pb	208	3782.428	0.009	0.132449	ug/L
Bi	209	342088.468	342088.468		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
U	6	352799.188	352799.188		ug/L
Be	9	3.000	0.000	0.008237	ug/L
V	51	3150.856	0.002	0.058888	ug/L
Cu	63	580.030	0.002	0.102580	ug/L
Cu	65	276.008	0.001	0.098383	ug/L
Zn	66	3512.899	0.013	3.156600	ug/L
Zn	68	2602.500	0.009	2.985887	ug/L
Ge	72	256506.297	256506.297		ug/L
As	75	142.682	0.000	0.066307	ug/L
Se	77	130.002	-0.000	-0.028989	ug/L
Se	82	-71.456	-0.000	0.063183	ug/L
Rh	103	300032.881	300032.881		ug/L
Ag	107	46.001	0.000	0.004061	ug/L
Cd	111	3.719	0.000	0.001663	ug/L
Cd	114	20.024	0.000	0.002738	ug/L
In	115	242772.671	242772.671		ug/L
Sb	121	302.009	0.001	0.039832	ug/L
Sb	123	246.251	0.001	0.043819	ug/L
Tl	203	34.000	-0.000	0.000737	ug/L
Tl	205	59.001	0.000	-0.001583	ug/L
Pb	208	3787.430	0.010	0.136323	ug/L
Bi	209	331833.194	331833.194		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
U	6	357628.618	357628.618		ug/L
Be	9	2.000	0.000	0.001582	ug/L
V	51	3202.488	0.002	0.077746	ug/L
Cu	63	524.024	0.001	0.090488	ug/L
Cu	65	243.007	0.001	0.082487	ug/L
Zn	66	3478.881	0.013	3.222668	ug/L
Zn	68	2536.478	0.009	3.004639	ug/L
Ge	72	250778.819	250778.819		ug/L
As	75	139.298	0.000	0.058870	ug/L
Se	77	124.003	-0.000	-0.050040	ug/L
Se	82	-29.254	0.000	0.226852	ug/L
Rh	103	304388.566	304388.566		ug/L
Ag	107	44.001	0.000	0.003703	ug/L
Cd	111	2.335	0.000	0.000899	ug/L
Cd	114	13.566	0.000	0.001138	ug/L
In	115	244523.178	244523.178		ug/L
Sb	121	298.008	0.001	0.038512	ug/L
Sb	123	229.628	0.001	0.040168	ug/L
Tl	203	33.000	0.000	0.000871	ug/L
Tl	205	63.001	0.000	0.001350	ug/L
Pb	208	3781.428	0.010	0.136159	ug/L
Bi	209	331643.688	331643.688		ug/L

QAU47

Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 22, 2010 16:41:12
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.043
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	349013.912	349013.912				ug/L
	Be	9	7883.094	0.023	36.114940	0.397	1.100	ug/L
	V	51	288053.825	1.169	37.649735	0.657	1.744	ug/L
	Cu	63	153579.959	0.628	39.488367	0.701	1.775	ug/L
	Cu	65	72502.850	0.296	38.951845	0.321	0.825	ug/L
	Zn	66	39216.761	0.160	38.567531	0.548	1.421	ug/L
	Zn	68	28476.603	0.116	38.226027	0.860	2.250	ug/L
>	Ge	72	244321.745	244321.745				ug/L
	As	75	50178.042	0.205	39.101273	0.509	1.301	ug/L
	Se	77	3814.724	0.015	38.256749	2.036	5.322	ug/L
	Se	82	5022.956	0.021	37.740308	0.596	1.578	ug/L
>	Rh	103	298836.818	298836.818				ug/L
	Ag	107	286625.302	0.959	38.107337	0.188	0.493	ug/L
	Cd	111	66248.927	0.222	37.237543	0.551	1.481	ug/L
	Cd	114	154703.902	0.518	37.427302	0.174	0.465	ug/L
>	In	115	237474.330	237474.330				ug/L
	Sb	121	216647.520	0.912	36.848038	1.342	3.642	ug/L
	Sb	123	164757.803	0.694	36.579652	1.253	3.427	ug/L
	Tl	203	272979.151	0.841	38.181980	0.423	1.107	ug/L
	Tl	205	655109.182	2.018	38.626250	0.412	1.066	ug/L
	Pb	208	871491.992	2.683	37.953998	0.101	0.265	ug/L
>	Bi	209	324625.338	324625.338				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	96.402
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.153
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.099
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	97.526

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	97.950

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	353636.026	353636.026		ug/L
Be	9	8017.577	0.023	36.251044	ug/L
V	51	288424.309	1.149	37.004248	ug/L
Cu	63	155481.534	0.624	39.250038	ug/L
Cu	65	73143.316	0.294	38.581950	ug/L
Zn	66	39582.823	0.159	36.227948	ug/L
Zn	68	28288.191	0.113	37.270378	ug/L
Ga	72	248817.983	248817.983		ug/L
As	75	50529.376	0.203	36.660334	ug/L
Se	77	3677.983	0.014	36.127973	ug/L
Se	82	5186.720	0.021	36.266771	ug/L
Rh	103	300293.309	300293.309		ug/L
Ag	107	267803.476	0.958	38.078389	ug/L
Cd	111	66174.486	0.220	37.014549	ug/L
Cd	114	154636.188	0.515	37.229668	ug/L
In	115	239808.806	239808.806		ug/L
Sb	121	209828.413	0.875	35.332596	ug/L
Sb	123	160133.319	0.668	35.199138	ug/L
Tl	203	273804.384	0.849	38.563289	ug/L
Tl	205	663917.060	2.029	38.838638	ug/L
Pb	208	864567.368	2.662	37.933836	ug/L
Bi	209	322208.122	322208.122		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	345386.687	345386.687		ug/L
Be	9	7868.410	0.023	36.426249	ug/L
V	51	286868.787	1.190	38.316852	ug/L
Cu	63	154398.580	0.641	40.277480	ug/L
Cu	65	71825.027	0.298	39.160544	ug/L
Zn	66	39278.078	0.163	39.199807	ug/L
Zn	68	28582.368	0.118	38.937438	ug/L
Ga	72	240727.630	240727.630		ug/L
As	75	49297.582	0.208	38.986810	ug/L
Se	77	3944.128	0.016	40.186447	ug/L
Se	82	4862.486	0.020	37.063986	ug/L
Rh	103	297933.488	297933.488		ug/L
Ag	107	284470.848	0.956	37.835584	ug/L
Cd	111	67164.026	0.226	37.868619	ug/L
Cd	114	154761.233	0.519	37.554204	ug/L
In	115	236949.046	236949.046		ug/L
Sb	121	219017.264	0.924	37.326748	ug/L
Sb	123	165838.422	0.700	36.883300	ug/L
Tl	203	271813.897	0.843	36.270608	ug/L
Tl	205	655267.359	2.032	38.891170	ug/L
Pb	208	868182.157	2.691	38.053134	ug/L
Bi	209	322464.306	322464.306		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	348020.023	348020.023		ug/L
Be	9	7763.294	0.022	35.667527	ug/L
V	51	286880.380	1.168	37.627998	ug/L
Cu	63	150808.783	0.619	38.937816	ug/L
Cu	65	72540.207	0.298	39.113030	ug/L
Zn	66	38781.381	0.159	38.275038	ug/L
Zn	68	28558.281	0.118	38.470287	ug/L
Ga	72	243419.621	243419.621		ug/L
As	75	50707.157	0.208	39.667873	ug/L
Se	77	3822.061	0.015	38.456628	ug/L
Se	82	5019.652	0.021	37.880195	ug/L
Rh	103	298283.659	298283.659		ug/L
Ag	107	287801.581	0.964	38.308058	ug/L
Cd	111	65408.270	0.218	36.832480	ug/L
Cd	114	154714.284	0.519	37.498736	ug/L
In	115	235864.139	235864.139		ug/L
Sb	121	221098.985	0.936	37.685770	ug/L
Sb	123	168303.686	0.714	37.648619	ug/L
Tl	203	273519.193	0.831	37.722163	ug/L
Tl	205	656243.136	1.993	38.151644	ug/L
Pb	208	881726.453	2.677	37.865026	ug/L
Bi	209	329203.586	329203.586		ug/L

00449

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 16:49:40
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.044
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	351085.213	351085.213				ug/L
⌊	Be	9	1.000	-0.000	-0.002793	0.005	164.114	ug/L
⌈	V	51	2243.112	-0.001	-0.043652	0.006	14.392	ug/L
|	Cu	63	150.336	-0.000	-0.003013	0.003	88.562	ug/L
|	Cu	65	78.335	-0.000	-0.003584	0.004	101.719	ug/L
|	Zn	66	124.669	0.000	0.002189	0.011	512.977	ug/L
|	Zn	68	242.673	-0.000	-0.022027	0.031	141.210	ug/L
|>	Ge	72	249202.259	249202.259				ug/L
|	As	75	-110.873	-0.001	-0.120612	0.011	8.902	ug/L
|	Se	77	136.669	0.000	0.085512	0.206	240.631	ug/L
⌊	Se	82	-60.409	-0.000	-0.002912	0.161	5526.695	ug/L
⌈>	Rh	103	298459.009	298459.009				ug/L
|	Ag	107	63.334	0.000	0.006392	0.000	5.173	ug/L
|	Cd	111	6.588	0.000	0.003293	0.002	47.286	ug/L
⌊	Cd	114	8.584	-0.000	-0.000006	0.000	7277.540	ug/L
⌈>	In	115	238761.607	238761.607				ug/L
|	Sb	121	537.692	0.002	0.080349	0.001	0.815	ug/L
⌊	Sb	123	443.515	0.002	0.088595	0.001	0.753	ug/L
⌈	Tl	203	37.000	-0.000	-0.000239	0.001	605.461	ug/L
|	Tl	205	90.335	0.000	0.000303	0.000	137.636	ug/L
|	Pb	208	523.012	-0.000	-0.000497	0.001	131.459	ug/L
⌊>	Bi	209	326769.523	326769.523				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.974
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	100.113
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.972
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.054

00450

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.597

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	352079.848	352079.848		ug/L
Be	9	0.000	-0.000	-0.007382	ug/L
V	51	2231.214	-0.002	-0.048788	ug/L
Cu	63	157.003	-0.000	-0.001798	ug/L
Cu	65	78.001	-0.000	-0.004281	ug/L
Zn	66	113.002	-0.000	-0.010513	ug/L
Zn	68	225.006	-0.000	-0.048229	ug/L
Ge	72	252328.848	252328.848		ug/L
As	75	-124.476	-0.001	-0.129848	ug/L
Se	77	161.003	0.000	0.313586	ug/L
Se	82	61.302	0.000	0.069388	ug/L
Rh	103	299828.144	299828.144		ug/L
Ag	107	84.001	0.000	0.008446	ug/L
Cd	111	3.474	0.000	0.001528	ug/L
Cd	114	9.234	-0.000	0.000101	ug/L
In	115	238282.101	238282.101		ug/L
Sb	121	533.026	0.002	0.079746	ug/L
Sb	123	443.841	0.002	0.068830	ug/L
Tl	203	26.000	-0.000	-0.001808	ug/L
Tl	205	99.002	0.000	0.000781	ug/L
Pb	208	548.013	0.000	0.000247	ug/L
Bi	209	329734.247	329734.247		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348882.066	348882.066		ug/L
Be	9	2.000	0.000	0.001806	ug/L
V	51	2194.248	-0.001	0.045650	ug/L
Cu	63	136.003	0.000	0.008072	ug/L
Cu	65	71.001	0.000	0.006849	ug/L
Zn	66	127.002	0.000	0.006294	ug/L
Zn	68	234.006	0.000	0.026736	ug/L
Ge	72	245375.898	245375.898		ug/L
As	75	-112.428	-0.001	-0.123158	ug/L
Se	77	129.002	0.000	0.029129	ug/L
Se	82	84.801	-0.000	-0.187332	ug/L
Rh	103	296728.818	296728.818		ug/L
Ag	107	65.001	0.000	0.008693	ug/L
Cd	111	8.613	0.000	0.004473	ug/L
Cd	114	10.414	0.000	0.000456	ug/L
In	115	240052.686	240052.686		ug/L
Sb	121	540.026	0.002	0.080252	ug/L
Sb	123	448.283	0.002	0.069113	ug/L
Tl	203	46.001	0.000	0.001051	ug/L
Tl	205	86.001	0.000	0.000207	ug/L
Pb	208	508.012	-0.000	-0.000978	ug/L
Bi	209	324342.581	324342.581		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	352283.630	352283.630		ug/L
Be	9	1.000	-0.000	-0.002923	ug/L
V	51	2303.875	0.001	-0.036838	ug/L
Cu	63	158.003	-0.000	-0.001188	ug/L
Cu	65	86.001	0.000	0.000348	ug/L
Zn	66	134.003	0.000	0.010784	ug/L
Zn	68	269.008	0.000	0.011884	ug/L
Ge	72	249803.936	249803.936		ug/L
As	75	95.716	-0.001	-0.108831	ug/L
Se	77	120.002	-0.000	-0.088188	ug/L
Se	82	-45.325	0.000	0.109208	ug/L
Rh	103	300022.288	300022.288		ug/L
Ag	107	61.001	0.000	0.008036	ug/L
Cd	111	7.678	0.000	0.003878	ug/L
Cd	114	7.106	-0.000	-0.000376	ug/L
In	115	237970.036	237970.036		ug/L
Sb	121	540.026	0.002	0.081048	ug/L
Sb	123	438.640	0.002	0.067843	ug/L
Tl	203	39.000	0.000	0.000039	ug/L
Tl	205	84.001	0.000	0.000058	ug/L
Pb	208	516.012	0.000	0.000760	ug/L
Bi	209	326231.762	326231.762		ug/L

Sample ID: 0B22027-CCB
Report Date/Time: Monday, February 22, 2010 16:51:27

90451

Sample Information

Sample ID: 1001061-BLK2
Autosampler Position: 39
Sample Date/Time: Monday, February 22, 2010 17:55:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001061-BLK2.045
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	366023.621	366023.621				ug/L
⌊	Be	9	1.000	-0.000	-0.002993	0.000	1.404	ug/L
⌈	V	51	2468.753	-0.001	-0.023065	0.008	35.114	ug/L
⌈	Cu	63	543.026	0.001	0.092418	0.006	5.961	ug/L
⌊	Cu	65	274.008	0.001	0.095736	0.006	6.050	ug/L
⌈	Zn	66	2179.354	0.008	1.932417	0.013	0.663	ug/L
⌊	Zn	68	1676.547	0.006	1.821808	0.094	5.168	ug/L
⌈>	Ge	72	256086.656	256086.656				ug/L
⌈	As	75	-76.697	-0.000	-0.092988	0.040	42.602	ug/L
⌊	Se	77	140.003	0.000	0.082241	0.062	75.678	ug/L
⌊	Se	82	-52.776	0.000	0.064260	0.051	79.584	ug/L
⌈>	Rh	103	308374.377	308374.377				ug/L
⌈	Ag	107	19.334	0.000	0.000450	0.000	42.455	ug/L
⌊	Cd	111	6.941	0.000	0.003353	0.002	59.407	ug/L
⌊	Cd	114	6.287	-0.000	-0.000616	0.001	213.232	ug/L
⌈>	In	115	248849.633	248849.633				ug/L
⌈	Sb	121	82.668	0.000	0.002804	0.000	13.353	ug/L
⌊	Sb	123	55.996	0.000	0.002517	0.001	39.132	ug/L
⌈	Tl	203	44.001	0.000	0.000560	0.001	117.605	ug/L
⌊	Tl	205	103.668	0.000	0.000918	0.000	14.136	ug/L
⌈	Pb	208	626.017	0.000	0.003215	0.001	16.943	ug/L
⌊>	Bi	209	336067.757	336067.757				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	101.100
⌊	Be	9.012	
⌈	V	50.944	
⌈	Cu	62.930	
⌊	Cu	64.928	
⌈	Zn	65.926	
⌊	Zn	67.925	
⌈>	Ge	71.922	102.879
⌈	As	74.922	
⌊	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	103.293
⌈	Ag	106.905	
⌊	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	102.197

Ra

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	101.403

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	388077.066	388077.066		ug/L
Be	9	1.000	-0.000	-0.002984	ug/L
V	51	2387.138	-0.001	-0.032417	ug/L
Cu	63	533.028	0.001	0.089808	ug/L
Cu	65	273.008	0.001	0.090065	ug/L
Zn	66	2187.357	0.008	1.937620	ug/L
Zn	68	1598.198	0.005	1.718446	ug/L
Ge	72	256374.361	256374.361		ug/L
As	75	-74.084	-0.000	-0.060911	ug/L
Se	77	133.003	0.000	0.011527	ug/L
Se	82	-51.443	0.000	0.074212	ug/L
Rh	103	311343.766	311343.766		ug/L
Ag	107	19.000	0.000	0.000384	ug/L
Cd	111	11.103	0.000	0.008571	ug/L
Cd	114	10.842	0.000	0.000430	ug/L
In	115	246581.304	246581.304		ug/L
Sb	121	84.001	0.000	0.003144	ug/L
Sb	123	52.120	0.000	0.001798	ug/L
Tl	203	40.001	-0.000	-0.000081	ug/L
Tl	205	107.002	0.000	0.000909	ug/L
Pb	208	847.018	0.000	0.003811	ug/L
Bi	209	342208.984	342208.984		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	399814.478	399814.478		ug/L
Be	9	1.000	-0.000	-0.003034	ug/L
V	51	2611.887	-0.001	-0.018297	ug/L
Cu	63	529.028	0.001	0.088702	ug/L
Cu	65	264.008	0.001	0.090314	ug/L
Zn	66	2188.351	0.008	1.917829	ug/L
Zn	68	1665.218	0.008	1.841292	ug/L
Ge	72	256816.832	256816.832		ug/L
As	75	-25.063	-0.000	-0.054452	ug/L
Se	77	145.003	0.000	0.125899	ug/L
Se	82	46.474	0.000	0.109884	ug/L
Rh	103	308336.366	308336.358		ug/L
Ag	107	21.000	0.000	0.000885	ug/L
Cd	111	3.923	0.000	0.001718	ug/L
Cd	114	0.003	-0.000	-0.002086	ug/L
In	115	251309.611	251309.611		ug/L
Sb	121	81.001	0.000	0.002403	ug/L
Sb	123	54.823	0.000	0.002114	ug/L
Tl	203	43.001	0.000	0.000527	ug/L
Tl	205	103.002	0.000	0.000867	ug/L
Pb	208	820.018	0.000	0.003439	ug/L
Bi	209	330049.312	330049.312		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	362479.328	362479.328		ug/L
Be	9	1.000	-0.000	-0.002960	ug/L
V	51	2497.226	-0.001	-0.018483	ug/L
Cu	63	567.029	0.002	0.098748	ug/L
Cu	65	286.009	0.001	0.101839	ug/L
Zn	66	2182.356	0.008	1.941803	ug/L
Zn	68	1735.228	0.008	1.904686	ug/L
Ge	72	255288.783	255288.783		ug/L
As	75	130.953	-0.001	-0.133606	ug/L
Se	77	142.003	0.000	0.106498	ug/L
Se	82	-80.412	0.000	0.008878	ug/L
Rh	103	305444.002	305444.002		ug/L
Ag	107	18.000	0.000	0.000301	ug/L
Cd	111	5.798	0.000	0.002788	ug/L
Cd	114	8.024	0.000	0.000188	ug/L
In	115	248658.084	248658.084		ug/L
Sb	121	83.001	0.000	0.002886	ug/L
Sb	123	51.246	0.000	0.003640	ug/L
Tl	203	49.001	0.000	0.001234	ug/L
Tl	205	101.002	0.000	0.000788	ug/L
Pb	208	811.018	0.000	0.002594	ug/L
Bi	209	335846.984	335846.984		ug/L

00453

Sample Information

Sample ID: 1001061-BS2
Autosampler Position: 40
Sample Date/Time: Monday, February 22, 2010 17:58:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001061-BS2.046
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	362438.255	362438.255				ug/L
	Be	9	3812.389	0.011	16.815158	0.467	2.776	ug/L
	V	51	145465.876	0.568	18.298986	0.337	1.840	ug/L
	Cu	63	76590.199	0.304	19.109619	0.087	0.453	ug/L
	Cu	65	36269.219	0.144	18.906431	0.190	1.004	ug/L
	Zn	66	19937.320	0.079	18.987095	0.087	0.458	ug/L
	Zn	68	14637.463	0.057	18.913263	0.179	0.945	ug/L
>	Ge	72	251473.340	251473.340				ug/L
	As	75	24034.658	0.095	18.176517	0.264	1.454	ug/L
	Se	77	*1915.943*	*0.007*	*17.990150*	*0.049*	*0.274*	ug/L
	Se	82	2391.018	0.010	17.694556	0.675	3.817	ug/L
>	Rh	103	302161.169	302161.169				ug/L
	Ag	107	140385.879	0.465	18.460312	0.227	1.230	ug/L
	Cd	111	32175.450	0.107	17.889210	0.372	2.077	ug/L
	Cd	114	75321.815	0.249	18.022749	0.214	1.187	ug/L
>	In	115	245204.820	245204.820				ug/L
	Sb	121	111099.297	0.453	18.293009	0.448	2.450	ug/L
	Sb	123	84912.625	0.346	18.250764	0.374	2.049	ug/L
	Tl	203	135605.143	0.411	18.641178	0.590	3.166	ug/L
	Tl	205	324429.073	0.982	18.798121	0.483	2.569	ug/L
	Pb	208	434298.118	1.313	18.577794	0.419	2.253	ug/L
>	Bi	209	330410.769	330410.769				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	100.110
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	101.026
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.212
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	100.700

00454

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.696

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	387303.686	387303.686		ug/L
Be	9	3808.108	0.011	17.008618	ug/L
V	51	147571.703	0.679	18.636040	ug/L
Cu	63	76719.579	0.308	19.208287	ug/L
Cu	65	35787.686	0.142	18.710293	ug/L
Zn	66	19838.713	0.079	18.980710	ug/L
Zn	68	14586.988	0.057	18.890286	ug/L
Ge	72	250681.408	250681.408		ug/L
As	75	23948.667	0.086	18.174620	ug/L
Se	77	1813.276	0.007	18.031101	ug/L
Se	82	2414.151	0.010	17.930622	ug/L
Rh	103	304788.272	304788.272		ug/L
Ag	107	140791.408	0.462	18.351299	ug/L
Cd	111	31881.633	0.105	17.589128	ug/L
Cd	114	75398.872	0.247	17.883307	ug/L
In	115	246868.884	246868.884		ug/L
Sb	121	109058.350	0.442	17.849110	ug/L
Sb	123	83414.438	0.338	17.821708	ug/L
Tl	203	134888.858	0.397	18.032921	ug/L
Tl	205	325208.646	0.958	18.330302	ug/L
Pb	208	438044.241	1.260	18.103784	ug/L
Bi	209	339503.399	339503.399		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	358042.707	358042.707		ug/L
Be	9	3842.071	0.011	17.153987	ug/L
V	51	146234.808	0.568	18.300336	ug/L
Cu	63	78780.008	0.303	19.052553	ug/L
Cu	65	36463.269	0.144	18.918779	ug/L
Zn	66	20142.562	0.079	19.084116	ug/L
Zn	68	14687.028	0.057	18.747217	ug/L
Ge	72	252781.811	252781.811		ug/L
As	75	23811.098	0.084	17.913135	ug/L
Se	77	1927.279	0.007	18.003870	ug/L
Se	82	2297.928	0.009	16.935088	ug/L
Rh	103	304538.535	304538.535		ug/L
Ag	107	140341.582	0.461	18.308277	ug/L
Cd	111	32276.412	0.106	17.901884	ug/L
Cd	114	75472.735	0.248	17.915836	ug/L
In	115	243473.631	243473.631		ug/L
Sb	121	113052.762	0.464	18.745268	ug/L
Sb	123	85118.002	0.349	18.423894	ug/L
Tl	203	135818.649	0.411	18.879034	ug/L
Tl	205	323266.328	0.981	18.789300	ug/L
Pb	208	436992.264	1.324	18.732983	ug/L
Bi	209	329583.523	329583.523		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	381988.386	381988.386		ug/L
Be	9	3686.989	0.010	16.282670	ug/L
V	51	142581.119	0.556	17.861582	ug/L
Cu	63	76291.017	0.303	19.087016	ug/L
Cu	65	36556.973	0.145	19.089220	ug/L
Zn	66	19829.685	0.078	18.916480	ug/L
Zn	68	14756.374	0.058	19.102308	ug/L
Ge	72	251046.999	251046.999		ug/L
As	75	24344.211	0.097	18.441798	ug/L
Se	77	1907.274	0.007	17.935480	ug/L
Se	82	2480.974	0.010	18.227858	ug/L
Rh	103	297146.701	297146.701		ug/L
Ag	107	140024.548	0.471	18.721358	ug/L
Cd	111	32368.304	0.109	18.296648	ug/L
Cd	114	75092.740	0.253	18.259104	ug/L
In	115	245481.745	245481.745		ug/L
Sb	121	111185.780	0.453	18.284648	ug/L
Sb	123	86206.438	0.351	18.508688	ug/L
Tl	203	136333.122	0.423	19.211578	ug/L
Tl	205	324813.246	1.008	19.294781	ug/L
Pb	208	430867.828	1.336	19.006884	ug/L
Bi	209	322145.384	322145.384		ug/L

99455

Sample Information

Sample ID: 1002038-01
Autosampler Position: 41
Sample Date/Time: Monday, February 22, 2010 18:07:05
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-01.047
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	355407.491	355407.491				ug/L
⌊	Be	9	3.667	0.000	0.009009	0.017	186.168	ug/L
⌈	V	51	9654.916	0.028	0.904596	0.011	1.163	ug/L
|	Cu	63	3230.430	0.012	0.767788	0.015	1.947	ug/L
|	Cu	65	1585.859	0.006	0.784797	0.013	1.691	ug/L
|	Zn	66	2459.448	0.009	2.241404	0.034	1.538	ug/L
|	Zn	68	2009.303	0.007	2.302488	0.027	1.168	ug/L
|>	Ge	72	251162.110	251162.110				ug/L
|	As	75	711.887	0.003	0.504085	0.047	9.269	ug/L
|	Se	77	142.336	0.000	0.133466	0.112	83.939	ug/L
⌊	Se	82	-42.786	0.000	0.128665	0.105	81.517	ug/L
⌈>	Rh	103	306534.475	306534.475				ug/L
|	Ag	107	87.335	0.000	0.009280	0.000	4.686	ug/L
|	Cd	111	25.050	0.000	0.013288	0.004	30.400	ug/L
⌊	Cd	114	21.118	0.000	0.002888	0.002	82.288	ug/L
⌈>	In	115	245771.873	245771.873				ug/L
|	Sb	121	369.347	0.001	0.050085	0.003	5.596	ug/L
⌊	Sb	123	269.378	0.001	0.048413	0.007	15.284	ug/L
⌈	Tl	203	61.001	0.000	0.002918	0.001	17.720	ug/L
|	Tl	205	139.336	0.000	0.003013	0.000	6.941	ug/L
|	Pb	208	7397.578	0.021	0.290710	0.006	2.139	ug/L
⌊>	Bi	209	333496.384	333496.384				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	98.168
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	100.901
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	102.677
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	100.933

90456

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.627

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	354228.110	354228.110		ug/L
Be	9	2.000	0.000	0.001617	ug/L
V	51	9563.618	0.026	0.893228	ug/L
Cu	63	3161.751	0.012	0.750812	ug/L
Cu	65	1558.185	0.006	0.768469	ug/L
Zn	66	2418.434	0.008	2.203588	ug/L
Zn	68	1986.296	0.007	2.271538	ug/L
Ge	72	251098.702	251098.702		ug/L
As	75	788.425	0.003	0.545008	ug/L
Se	77	143.003	0.000	0.139885	ug/L
Se	82	45.600	0.000	0.108780	ug/L
Rh	103	308974.102	308974.102		ug/L
Ag	107	86.001	0.000	0.009019	ug/L
Cd	111	33.716	0.000	0.017810	ug/L
Cd	114	29.228	0.000	0.004752	ug/L
In	115	247418.673	247418.673		ug/L
Sb	121	363.013	0.001	0.048649	ug/L
Sb	123	309.380	0.001	0.056686	ug/L
Tl	203	63.001	0.000	0.002899	ug/L
Tl	205	138.003	0.000	0.002790	ug/L
Pb	208	7366.881	0.020	0.283788	ug/L
Bi	209	339883.878	339883.878		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	350298.516	350298.516		ug/L
Be	9	1.000	-0.000	-0.002787	ug/L
V	51	9596.514	0.026	0.906680	ug/L
Cu	63	3278.762	0.012	0.773582	ug/L
Cu	65	1587.192	0.006	0.791884	ug/L
Zn	66	2471.452	0.008	2.271048	ug/L
Zn	68	2007.302	0.007	2.320111	ug/L
Ge	72	249251.723	249251.723		ug/L
As	75	639.681	0.002	0.453178	ug/L
Se	77	152.003	0.000	0.242084	ug/L
Se	82	55.380	0.000	0.035140	ug/L
Rh	103	304802.444	304802.444		ug/L
Ag	107	85.001	0.000	0.009040	ug/L
Cd	111	19.686	0.000	0.010435	ug/L
Cd	114	24.400	0.000	0.003700	ug/L
In	115	245785.344	245785.344		ug/L
Sb	121	389.014	0.001	0.053315	ug/L
Sb	123	260.252	0.001	0.048484	ug/L
Tl	203	64.001	0.000	0.003448	ug/L
Tl	205	139.003	0.000	0.003043	ug/L
Pb	208	7342.566	0.021	0.292583	ug/L
Bi	209	328979.811	328979.811		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	359987.848	359987.848		ug/L
Be	9	8.000	0.000	0.026207	ug/L
V	51	9804.614	0.026	0.914001	ug/L
Cu	63	3300.796	0.012	0.778970	ug/L
Cu	65	1614.199	0.006	0.793037	ug/L
Zn	66	2487.458	0.008	2.249800	ug/L
Zn	68	2035.310	0.007	2.315813	ug/L
Ge	72	253137.905	253137.905		ug/L
As	75	730.564	0.003	0.514073	ug/L
Se	77	132.003	0.000	0.018319	ug/L
Se	82	27.370	0.000	0.242084	ug/L
Rh	103	305826.878	305826.878		ug/L
Ag	107	91.001	0.000	0.009782	ug/L
Cd	111	21.737	0.000	0.011519	ug/L
Cd	114	9.727	0.000	0.000912	ug/L
In	115	244113.602	244113.602		ug/L
Sb	121	358.012	0.001	0.048782	ug/L
Sb	123	238.503	0.001	0.042188	ug/L
Tl	203	57.001	0.000	0.002411	ug/L
Tl	205	142.003	0.000	0.003205	ug/L
Pb	208	7480.588	0.021	0.296768	ug/L
Bi	209	331825.868	331825.868		ug/L

99457

Sample Information

Sample ID: 1002038-02
Autosampler Position: 42
Sample Date/Time: Monday, February 22, 2010 18:10:34
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-02.048
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	355588.077	355588.077				ug/L
	Be	9	0.667	-0.000	-0.004386	0.003	58.777	ug/L
	V	51	4665.770	0.008	0.259360	0.008	3.066	ug/L
	Cu	63	2639.847	0.010	0.614054	0.010	1.691	ug/L
	Cu	65	1328.137	0.005	0.643648	0.015	2.303	ug/L
	Zn	66	1500.839	0.005	1.308722	0.050	3.822	ug/L
	Zn	68	1620.533	0.005	1.771226	0.063	3.534	ug/L
>	Ge	72	253445.022	253445.022				ug/L
	As	75	435.223	0.002	0.291459	0.018	6.153	ug/L
	Se	77	140.003	0.000	0.096522	0.172	178.389	ug/L
	Se	82	-44.586	0.000	0.118830	0.121	101.506	ug/L
>	Rh	103	303023.540	303023.540				ug/L
	Ag	107	47.334	0.000	0.004157	0.001	30.866	ug/L
	Cd	111	13.371	0.000	0.006994	0.002	32.251	ug/L
	Cd	114	35.688	0.000	0.006441	0.002	33.443	ug/L
>	In	115	244918.124	244918.124				ug/L
	Sb	121	1237.786	0.005	0.193535	0.001	0.610	ug/L
	Sb	123	937.943	0.004	0.192578	0.004	2.172	ug/L
	Tl	203	32.334	-0.000	-0.000961	0.000	18.367	ug/L
	Tl	205	66.001	-0.000	-0.001173	0.000	29.528	ug/L
	Pb	208	861.029	0.001	0.013631	0.003	19.941	ug/L
>	Bi	209	331647.057	331647.057				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	98.218
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	101.818
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.501
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	100.583

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.069

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	358833.975	358833.975		ug/L
	Be	9	1.000	0.000	-0.002908	ug/L
	V	51	4667.980	0.008	0.262322	ug/L
	Cu	63	2641.515	0.010	0.617346	ug/L
	Cu	65	1325.136	0.006	0.648228	ug/L
	Zn	66	1468.183	0.008	1.274240	ug/L
	Zn	68	1666.211	0.008	1.840606	ug/L
>	Ge	72	252318.891	252318.891		ug/L
	As	75	449.088	0.002	0.303287	ug/L
	Se	77	156.003	0.000	0.253448	ug/L
	Se	82	43.733	0.000	0.020039	ug/L
>	Rh	103	307814.788	307814.788		ug/L
	Ag	107	58.001	0.000	0.006188	ug/L
	Cd	111	13.407	0.000	0.006886	ug/L
	Cd	114	29.343	0.000	0.004802	ug/L
>	In	115	248177.438	248177.438		ug/L
	Sb	121	1243.121	0.008	0.194188	ug/L
	Sb	123	981.319	0.004	0.197381	ug/L
	Tl	203	33.000	0.000	0.000881	ug/L
	Tl	205	61.001	0.000	0.001561	ug/L
	Pb	208	808.028	0.001	0.010494	ug/L
>	Bi	209	339800.842	339800.842		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	357550.986	357550.986		ug/L
	Be	9	1.000	-0.000	-0.002888	ug/L
	V	51	4573.816	0.008	0.250363	ug/L
	Cu	63	2661.522	0.010	0.622391	ug/L
	Cu	65	1292.130	0.005	0.628088	ug/L
	Zn	66	1564.186	0.008	1.388083	ug/L
	Zn	68	1573.189	0.008	1.716720	ug/L
>	Ge	72	252293.807	252293.807		ug/L
	As	75	445.031	0.002	0.300287	ug/L
	Se	77	121.002	-0.000	-0.087588	ug/L
	Se	82	33.482	0.000	0.187516	ug/L
>	Rh	103	300803.986	300803.986		ug/L
	Ag	107	36.000	0.000	0.002719	ug/L
	Cd	111	17.383	0.000	0.009297	ug/L
	Cd	114	45.589	0.000	0.008581	ug/L
>	In	115	248213.804	248213.804		ug/L
	Sb	121	1248.121	0.008	0.192171	ug/L
	Sb	123	937.567	0.004	0.189817	ug/L
	Tl	203	31.000	0.000	-0.001127	ug/L
	Tl	205	71.001	0.000	0.000871	ug/L
	Pb	208	893.030	0.001	0.015117	ug/L
>	Bi	209	330253.432	330253.432		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	350379.280	350379.280		ug/L
	Be	9	0.000	-0.000	-0.007362	ug/L
	V	51	4756.514	0.008	0.266406	ug/L
	Cu	63	2616.508	0.010	0.602424	ug/L
	Cu	65	1367.144	0.005	0.667816	ug/L
	Zn	66	1490.170	0.008	1.295842	ug/L
	Zn	68	1622.200	0.008	1.754461	ug/L
>	Ge	72	255724.667	255724.667		ug/L
	As	75	411.568	0.001	0.270824	ug/L
	Se	77	144.003	0.000	0.123789	ug/L
	Se	82	-36.544	0.000	0.179012	ug/L
>	Rh	103	300661.938	300661.938		ug/L
	Ag	107	50.001	0.000	0.004567	ug/L
	Cd	111	9.323	0.000	0.004789	ug/L
	Cd	114	32.133	0.000	0.005640	ug/L
>	In	115	241363.130	241363.130		ug/L
	Sb	121	1224.117	0.008	0.184248	ug/L
	Sb	123	914.942	0.004	0.190827	ug/L
	Tl	203	33.000	0.000	0.000775	ug/L
	Tl	205	66.001	0.000	0.001097	ug/L
	Pb	208	862.030	0.001	0.015282	ug/L
>	Bi	209	324787.098	324787.088		ug/L

00459

Sample Information

Sample ID: 1002038-03
Autosampler Position: 43
Sample Date/Time: Monday, February 22, 2010 18:14:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-03.049
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	356959.622	356959.622				ug/L
⌊	Be	9	2.000	0.000	0.001571	0.008	492.515	ug/L
⌈	V	51	2850.679	0.001	0.039957	0.017	43.110	ug/L
|	Cu	63	1211.448	0.004	0.268779	0.008	3.029	ug/L
|	Cu	65	728.378	0.003	0.344352	0.021	6.123	ug/L
|	Zn	66	796.052	0.003	0.661973	0.043	6.568	ug/L
|	Zn	68	891.398	0.003	0.855092	0.050	5.812	ug/L
|>	Ge	72	245923.890	245923.890				ug/L
|	As	75	189.265	0.001	0.110927	0.053	47.917	ug/L
|	Se	77	132.669	0.000	0.063953	0.044	68.123	ug/L
⌊	Se	82	-51.430	0.000	0.058857	0.162	276.087	ug/L
⌈>	Rh	103	295863.797	295863.797				ug/L
|	Ag	107	34.667	0.000	0.002611	0.001	33.957	ug/L
|	Cd	111	2.292	0.000	0.000901	0.003	365.164	ug/L
⌊	Cd	114	15.140	0.000	0.001608	0.001	53.387	ug/L
⌈>	In	115	236828.456	236828.456				ug/L
|	Sb	121	316.677	0.001	0.043411	0.002	4.663	ug/L
⌊	Sb	123	243.836	0.001	0.044996	0.009	19.230	ug/L
⌈	Tl	203	31.667	-0.000	-0.000951	0.001	55.365	ug/L
|	Tl	205	75.334	-0.000	-0.000541	0.001	123.690	ug/L
|	Pb	208	804.694	0.001	0.011949	0.006	49.381	ug/L
⌊>	Bi	209	324566.281	324566.281				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	98.596
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.796
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.103
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.260

00460

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.933

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	364764.008	364764.008		ug/L
Be	9	0.000	-0.000	-0.007382	ug/L
V	51	2783.186	0.001	0.022378	ug/L
Cu	63	1239.120	0.004	0.270880	ug/L
Cu	65	746.046	0.003	0.347203	ug/L
Zn	66	761.048	0.003	0.615077	ug/L
Zn	68	907.067	0.003	0.856879	ug/L
Ge	72	250031.278	250031.278		ug/L
As	75	150.534	0.000	0.078873	ug/L
Se	77	133.003	0.000	0.044853	ug/L
Se	82	-80.480	-0.000	-0.000880	ug/L
Rh	103	295887.773	295887.773		ug/L
Ag	107	40.001	0.000	0.003338	ug/L
Cd	111	6.103	0.000	0.003048	ug/L
Cd	114	18.043	0.000	0.002325	ug/L
In	115	239760.944	239760.944		ug/L
Sb	121	307.010	0.001	0.041108	ug/L
Sb	123	238.281	0.001	0.043048	ug/L
Tl	203	29.000	-0.000	-0.001434	ug/L
Tl	205	70.001	-0.000	-0.000882	ug/L
Pb	208	754.023	0.001	0.008803	ug/L
Bi	209	332927.388	332927.388		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	357815.058	357815.058		ug/L
Be	9	3.000	0.000	0.008064	ug/L
V	51	2846.938	0.001	0.040688	ug/L
Cu	63	1234.118	0.004	0.275795	ug/L
Cu	65	684.040	0.002	0.331988	ug/L
Zn	66	833.067	0.003	0.700840	ug/L
Zn	68	831.059	0.002	0.804988	ug/L
Ge	72	245008.801	245008.801		ug/L
As	75	267.616	0.001	0.172281	ug/L
Se	77	127.003	0.000	0.113807	ug/L
Se	82	-26.411	0.000	0.242728	ug/L
Rh	103	299040.340	299040.340		ug/L
Ag	107	37.000	0.000	0.002875	ug/L
Cd	111	4.398	-0.000	-0.002888	ug/L
Cd	114	16.261	0.000	0.001844	ug/L
In	115	233568.813	233568.813		ug/L
Sb	121	321.010	0.001	0.044898	ug/L
Sb	123	282.631	0.001	0.064486	ug/L
Tl	203	31.000	-0.000	-0.001030	ug/L
Tl	205	66.001	0.000	0.000231	ug/L
Pb	208	958.038	0.001	0.010781	ug/L
Bi	209	322883.629	322883.629		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	358499.804	358499.804		ug/L
Be	9	3.000	0.000	0.008021	ug/L
V	51	2941.938	0.002	0.066808	ug/L
Cu	63	1161.108	0.004	0.259852	ug/L
Cu	65	755.047	0.003	0.363886	ug/L
Zn	66	794.062	0.003	0.669802	ug/L
Zn	68	918.089	0.003	0.894341	ug/L
Ge	72	242731.781	242731.781		ug/L
As	75	149.646	0.000	0.081625	ug/L
Se	77	128.002	0.000	0.033188	ug/L
Se	82	-67.388	-0.000	-0.065466	ug/L
Rh	103	292993.278	292993.278		ug/L
Ag	107	27.000	0.000	0.001622	ug/L
Cd	111	5.166	0.000	0.002546	ug/L
Cd	114	11.116	0.000	0.000857	ug/L
In	115	237156.609	237156.609		ug/L
Sb	121	322.010	0.001	0.044229	ug/L
Sb	123	210.628	0.001	0.037482	ug/L
Tl	203	35.000	0.000	0.000360	ug/L
Tl	205	66.001	0.000	-0.000882	ug/L
Pb	208	704.021	0.001	0.008194	ug/L
Bi	209	317887.818	317887.818		ug/L

00461

Sample Information

Sample ID: 1002038-04
Autosampler Position: 44
Sample Date/Time: Monday, February 22, 2010 18:17:32
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-04.050
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	354265.133	354265.133				ug/L
⌊	Be	9	1.333	-0.000	-0.001342	0.005	388.483	ug/L
⌈	V	51	8811.201	0.025	0.808749	0.018	2.203	ug/L
|	Cu	63	2796.576	0.011	0.666831	0.022	3.364	ug/L
|	Cu	65	1366.811	0.005	0.678007	0.026	3.850	ug/L
|	Zn	66	2356.079	0.009	2.166818	0.015	0.709	ug/L
|	Zn	68	1933.948	0.007	2.230770	0.066	2.958	ug/L
|>	Ge	72	248450.951	248450.951				ug/L
|	As	75	468.218	0.002	0.323216	0.035	10.747	ug/L
|	Se	77	139.003	0.000	0.114795	0.131	113.891	ug/L
⌊	Se	82	-69.637	-0.000	-0.070466	0.072	102.007	ug/L
⌈>	Rh	103	297749.771	297749.771				ug/L
|	Ag	107	30.000	0.000	0.001963	0.000	13.088	ug/L
|	Cd	111	16.632	0.000	0.008967	0.001	9.810	ug/L
⌊	Cd	114	18.604	0.000	0.002427	0.001	46.125	ug/L
⌈>	In	115	240188.108	240188.108				ug/L
|	Sb	121	268.674	0.001	0.034543	0.003	7.344	ug/L
⌊	Sb	123	223.087	0.001	0.039618	0.001	3.367	ug/L
⌈	Tl	203	52.001	0.000	0.001773	0.001	72.264	ug/L
|	Tl	205	121.669	0.000	0.002072	0.000	24.044	ug/L
|	Pb	208	11049.453	0.032	0.450783	0.004	0.980	ug/L
⌊>	Bi	209	329825.930	329825.930				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.852
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.811
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.734
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.640

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.520

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	354388.411	354388.411		ug/L
Be	9	0.000	-0.000	0.007382	ug/L
V	51	8642.516	0.025	0.819622	ug/L
Cu	63	2734.581	0.010	0.656188	ug/L
Cu	65	1333.138	0.008	0.664328	ug/L
Zn	66	2343.408	0.009	2.167870	ug/L
Zn	68	1873.264	0.007	2.164829	ug/L
Ge	72	247003.586	247003.586		ug/L
As	75	430.383	0.002	0.298151	ug/L
Se	77	138.003	0.000	0.112623	ug/L
Se	82	-79.667	-0.000	-0.147107	ug/L
Rh	103	293246.333	293246.333		ug/L
Ag	107	30.000	0.000	0.002024	ug/L
Cd	111	17.666	0.000	0.009898	ug/L
Cd	114	18.052	0.000	0.002368	ug/L
In	115	241322.766	241322.766		ug/L
Sb	121	279.008	0.001	0.036084	ug/L
Sb	123	230.503	0.001	0.041018	ug/L
Tl	203	42.001	0.000	0.000368	ug/L
Tl	205	129.002	0.000	0.002465	ug/L
Pb	208	10988.387	0.032	0.445708	ug/L
Bi	209	331846.806	331846.806		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	354297.689	354297.689		ug/L
Be	9	2.000	0.000	0.001808	ug/L
V	51	8658.190	0.024	0.788184	ug/L
Cu	63	2898.617	0.011	0.692888	ug/L
Cu	65	1424.156	0.008	0.708110	ug/L
Zn	66	2340.407	0.009	2.150884	ug/L
Zn	68	1934.281	0.007	2.230886	ug/L
Ge	72	248625.042	248625.042		ug/L
As	75	519.398	0.002	0.362384	ug/L
Se	77	152.003	0.000	0.246810	ug/L
Se	82	60.658	0.000	-0.004564	ug/L
Rh	103	301031.432	301031.432		ug/L
Ag	107	32.000	0.000	0.002163	ug/L
Cd	111	17.298	0.000	0.008218	ug/L
Cd	114	23.580	0.000	0.003078	ug/L
In	115	242980.165	242980.165		ug/L
Sb	121	280.008	0.001	0.035830	ug/L
Sb	123	225.006	0.001	0.039478	ug/L
Tl	203	60.001	0.000	0.002864	ug/L
Tl	205	125.002	0.000	0.002253	ug/L
Pb	208	11141.531	0.032	0.463737	ug/L
Bi	209	330504.663	330504.663		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	354101.298	354101.298		ug/L
Be	9	2.000	0.000	0.001671	ug/L
V	51	8835.897	0.025	0.818543	ug/L
Cu	63	2755.558	0.010	0.652616	ug/L
Cu	65	1343.140	0.008	0.661582	ug/L
Zn	66	2384.422	0.009	2.181620	ug/L
Zn	68	1994.298	0.007	2.298786	ug/L
Ge	72	249824.217	249824.217		ug/L
As	75	454.893	0.002	0.311112	ug/L
Se	77	127.002	-0.000	-0.014847	ug/L
Se	82	68.598	-0.000	-0.058737	ug/L
Rh	103	298871.548	298871.548		ug/L
Ag	107	28.000	0.000	0.001680	ug/L
Cd	111	14.998	0.000	0.007998	ug/L
Cd	114	14.171	0.000	0.001339	ug/L
In	115	238251.391	238251.391		ug/L
Sb	121	247.007	0.001	0.031815	ug/L
Sb	123	213.754	0.001	0.036369	ug/L
Tl	203	54.001	0.000	0.002107	ug/L
Tl	205	111.002	0.000	0.001508	ug/L
Pb	208	11008.441	0.032	0.452908	ug/L
Bi	209	327126.321	327126.321		ug/L

00463

Sample Information

Sample ID: 1002038-05
Autosampler Position: 45
Sample Date/Time: Monday, February 22, 2010 18:21:01
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-05.051
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	352161.115	352161.115				ug/L
	Be	9	12.667	0.000	0.050369	0.016	30.900	ug/L
	V	51	2959.474	0.002	0.051935	0.011	21.418	ug/L
	Cu	63	24358.712	0.098	6.153358	0.073	1.182	ug/L
	Cu	65	11865.968	0.048	6.261308	0.116	1.850	ug/L
	Zn	66	88267.583	0.356	85.910476	0.578	0.673	ug/L
	Zn	68	67438.533	0.272	89.891396	0.384	0.428	ug/L
>	Ge	72	247259.978	247259.978				ug/L
	As	75	727.491	0.003	0.524779	0.025	4.770	ug/L
	Se	77	134.003	0.000	0.070248	0.099	140.389	ug/L
	Se	82	-63.194	-0.000	-0.025182	0.087	345.983	ug/L
>	Rh	103	301374.165	301374.165				ug/L
	Ag	107	28.000	0.000	0.001651	0.000	20.935	ug/L
	Cd	111	339.058	0.001	0.188564	0.009	4.698	ug/L
	Cd	114	756.171	0.002	0.179302	0.012	6.455	ug/L
>	In	115	241234.515	241234.515				ug/L
	Sb	121	879.063	0.003	0.136587	0.004	2.794	ug/L
	Sb	123	690.495	0.003	0.141557	0.004	2.759	ug/L
	Tl	203	525.691	0.001	0.066904	0.005	7.933	ug/L
	Tl	205	1306.132	0.004	0.070685	0.002	2.479	ug/L
	Pb	208	4578.614	0.012	0.172925	0.008	4.481	ug/L
>	Bi	209	330552.620	330552.620				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.271
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.333
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.948
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	99.070

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Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.739

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	380613.471	380613.471		ug/L
Be	9	9.000	0.000	0.032563	ug/L
V	51	2880.423	0.001	0.038157	ug/L
Cu	63	24030.668	0.087	6.071858	ug/L
Cu	65	11715.717	0.047	6.183180	ug/L
Zn	66	87817.407	0.356	86.497775	ug/L
Zn	68	67540.480	0.272	90.056634	ug/L
Ge	72	247180.563	247180.563		ug/L
As	75	764.380	0.003	0.563411	ug/L
Se	77	148.003	0.000	0.183322	ug/L
Se	82	67.589	-0.000	0.087722	ug/L
Rh	103	300296.384	300296.384		ug/L
Ag	107	29.000	0.000	0.001798	ug/L
Cd	111	335.982	0.001	0.187518	ug/L
Cd	114	701.020	0.002	0.189882	ug/L
In	115	239431.114	239431.114		ug/L
Sb	121	877.063	0.003	0.137348	ug/L
Sb	123	666.680	0.003	0.137243	ug/L
Tl	203	494.023	0.001	0.080778	ug/L
Tl	205	1311.133	0.004	0.069037	ug/L
Pb	208	4494.560	0.012	0.164387	ug/L
Bi	209	339038.103	339038.103		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	347002.247	347002.247		ug/L
Be	9	14.000	0.000	0.057182	ug/L
V	51	2985.273	0.002	0.057194	ug/L
Cu	63	24329.808	0.088	6.176126	ug/L
Cu	65	12058.290	0.049	6.394388	ug/L
Zn	66	88515.958	0.359	86.570779	ug/L
Zn	68	67317.398	0.273	90.188275	ug/L
Ge	72	248082.841	248082.841		ug/L
As	75	701.021	0.003	0.507018	ug/L
Se	77	129.002	0.000	0.025412	ug/L
Se	82	49.466	0.000	0.073530	ug/L
Rh	103	301302.513	301302.513		ug/L
Ag	107	25.000	0.000	0.001258	ug/L
Cd	111	355.742	0.001	0.197900	ug/L
Cd	114	798.167	0.003	0.189440	ug/L
In	115	241440.158	241440.158		ug/L
Sb	121	900.086	0.003	0.139966	ug/L
Sb	123	695.663	0.003	0.142578	ug/L
Tl	203	545.026	0.002	0.070062	ug/L
Tl	205	1328.137	0.004	0.072518	ug/L
Pb	208	4580.819	0.012	0.174848	ug/L
Bi	209	328008.433	328008.433		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346987.628	346987.628		ug/L
Be	9	15.000	0.000	0.061381	ug/L
V	51	3032.728	0.002	0.058464	ug/L
Cu	63	24715.934	0.089	6.211991	ug/L
Cu	65	11823.886	0.047	6.208378	ug/L
Zn	66	88468.386	0.356	86.982873	ug/L
Zn	68	67457.712	0.270	89.452277	ug/L
Ge	72	248536.428	248536.428		ug/L
As	75	717.052	0.003	0.513911	ug/L
Se	77	126.002	0.000	0.022012	ug/L
Se	82	-72.545	-0.000	0.091353	ug/L
Rh	103	302524.587	302524.587		ug/L
Ag	107	30.000	0.000	0.001899	ug/L
Cd	111	325.441	0.001	0.180275	ug/L
Cd	114	769.327	0.003	0.181774	ug/L
In	115	242832.272	242832.272		ug/L
Sb	121	860.080	0.003	0.132447	ug/L
Sb	123	710.161	0.003	0.144863	ug/L
Tl	203	536.028	0.002	0.069873	ug/L
Tl	205	1279.127	0.004	0.070440	ug/L
Pb	208	4650.633	0.013	0.179532	ug/L
Bi	209	324610.325	324610.325		ug/L

Sample Information

Sample ID: 1002038-06
Autosampler Position: 46
Sample Date/Time: Monday, February 22, 2010 18:24:30
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-06.052
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	356846.786	356846.786				ug/L
⌊	Be	9	3.667	0.000	0.009064	0.003	27.947	ug/L
⌈	V	51	3164.597	0.002	0.073815	0.010	13.940	ug/L
|	Cu	63	19664.228	0.078	4.901426	0.086	1.752	ug/L
|	Cu	65	9410.958	0.037	4.897405	0.062	1.269	ug/L
|	Zn	66	74259.423	0.296	71.410283	0.623	0.872	ug/L
⌋	Zn	68	53800.392	0.214	70.800833	0.713	1.007	ug/L
|>	Ge	72	250197.163	250197.163				ug/L
|	As	75	579.060	0.002	0.405283	0.021	5.196	ug/L
|	Se	77	132.003	0.000	0.033455	0.070	209.028	ug/L
⌊	Se	82	-54.852	0.000	0.041095	0.121	293.301	ug/L
⌈>	Rh	103	306200.951	306200.951				ug/L
|	Ag	107	175.671	0.001	0.020736	0.004	20.189	ug/L
|	Cd	111	314.701	0.001	0.172187	0.011	6.177	ug/L
⌊	Cd	114	692.775	0.002	0.161526	0.009	5.325	ug/L
⌈>	In	115	242046.901	242046.901				ug/L
|	Sb	121	724.044	0.003	0.110204	0.002	1.693	ug/L
⌊	Sb	123	595.070	0.002	0.120263	0.003	2.572	ug/L
⌈	Tl	203	208.672	0.001	0.023282	0.004	16.273	ug/L
|	Tl	205	520.691	0.001	0.025138	0.001	4.587	ug/L
|	Pb	208	14372.129	0.042	0.591369	0.024	4.076	ug/L
⌊>	Bi	209	331036.445	331036.445				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	98.565
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	100.513
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	102.565
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.403

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.885

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
> Li	6	358332.735	358332.735		ug/L
Be	9	4.000	0.000	0.010480	ug/L
V	51	3284.021	0.003	0.063862	ug/L
Cu	63	19467.686	0.077	4.819281	ug/L
Cu	65	9447.338	0.037	4.884032	ug/L
Zn	66	74472.983	0.296	71.139447	ug/L
Zn	68	53884.776	0.213	70.870066	ug/L
> Ge	72	251657.614	251657.614		ug/L
As	75	557.623	0.002	0.386186	ug/L
Se	77	140.003	0.000	0.108464	ug/L
Se	82	-73.647	0.000	-0.092308	ug/L
> Rh	103	305086.140	305086.140		ug/L
Ag	107	148.003	0.000	0.017235	ug/L
Cd	111	325.388	0.001	0.178735	ug/L
Cd	114	885.944	0.002	0.180470	ug/L
> In	115	244538.384	244538.384		ug/L
Sb	121	737.048	0.003	0.111129	ug/L
Sb	123	618.781	0.002	0.123843	ug/L
Tl	203	184.004	0.000	0.018231	ug/L
Tl	205	511.023	0.001	0.023837	ug/L
Pb	208	14075.808	0.040	0.563588	ug/L
> Bi	209	339366.099	339366.099		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
> Li	6	356342.738	356342.738		ug/L
Be	9	3.000	0.000	0.008140	ug/L
V	51	3136.000	0.002	0.074303	ug/L
Cu	63	19816.648	0.078	4.990578	ug/L
Cu	65	9212.029	0.037	4.843040	ug/L
Zn	66	74237.528	0.298	72.122778	ug/L
Zn	68	53852.783	0.216	71.600307	ug/L
> Ge	72	247844.220	247844.220		ug/L
As	75	602.685	0.002	0.427888	ug/L
Se	77	124.002	0.000	-0.034191	ug/L
Se	82	-40.419	0.000	0.142157	ug/L
> Rh	103	304788.883	304788.883		ug/L
Ag	107	166.004	0.000	0.019800	ug/L
Cd	111	290.831	0.001	0.159914	ug/L
Cd	114	728.004	0.002	0.170808	ug/L
> In	115	241623.631	241623.631		ug/L
Sb	121	730.045	0.003	0.111428	ug/L
Sb	123	590.779	0.002	0.119573	ug/L
Tl	203	210.006	0.001	0.023879	ug/L
Tl	205	528.025	0.001	0.026033	ug/L
Pb	208	14440.818	0.043	0.603824	ug/L
> Bi	209	325828.892	325828.892		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
> Li	6	356884.894	356884.894		ug/L
Be	9	4.000	0.000	0.010584	ug/L
V	51	3083.772	0.002	0.063288	ug/L
Cu	63	19708.346	0.078	4.894419	ug/L
Cu	65	9573.507	0.038	4.966142	ug/L
Zn	66	74087.779	0.294	70.998528	ug/L
Zn	68	53663.618	0.212	70.232137	ug/L
> Ge	72	251089.453	251089.453		ug/L
As	75	578.662	0.002	0.401786	ug/L
Se	77	132.003	0.000	0.029092	ug/L
Se	82	-50.480	0.000	0.073436	ug/L
> Rh	103	308728.829	308728.829		ug/L
Ag	107	213.008	0.001	0.025373	ug/L
Cd	111	327.775	0.001	0.177913	ug/L
Cd	114	864.378	0.002	0.153501	ug/L
> In	115	239877.688	239877.688		ug/L
Sb	121	705.042	0.003	0.108058	ug/L
Sb	123	577.662	0.002	0.117573	ug/L
Tl	203	232.008	0.001	0.026738	ug/L
Tl	205	523.024	0.001	0.025844	ug/L
Pb	208	14589.886	0.043	0.609698	ug/L
> Bi	209	327916.348	327916.348		ug/L

A

Sample Information

Sample ID: 1002038-07
Autosampler Position: 47
Sample Date/Time: Monday, February 22, 2010 18:28:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-07.053
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	361162.488	361162.488				ug/L
⌊	Be	9	16.667	0.000	0.066615	0.022	32.776	ug/L
⌈	V	51	4289.004	0.007	0.219084	0.004	1.648	ug/L
|	Cu	63	12503.392	0.049	3.104175	0.018	0.586	ug/L
|	Cu	65	6048.954	0.024	3.134780	0.032	1.025	ug/L
|	Zn	66	8998.088	0.036	8.556144	0.069	0.811	ug/L
|	Zn	68	7018.850	0.027	8.945449	0.070	0.788	ug/L
|>	Ge	72	249975.150	249975.150				ug/L
|	As	75	75.520	0.000	0.021782	0.047	216.890	ug/L
|	Se	77	125.002	-0.000	-0.035764	0.050	140.519	ug/L
⌊	Se	82	-57.209	0.000	0.023434	0.096	407.659	ug/L
⌈>	Rh	103	296540.701	296540.701				ug/L
|	Ag	107	31.334	0.000	0.002159	0.001	26.521	ug/L
|	Cd	111	59.574	0.000	0.033327	0.002	7.419	ug/L
⌊	Cd	114	112.429	0.000	0.025321	0.001	4.634	ug/L
⌈>	In	115	243283.017	243283.017				ug/L
|	Sb	121	364.346	0.001	0.049878	0.001	2.036	ug/L
⌊	Sb	123	282.339	0.001	0.051852	0.001	2.392	ug/L
⌈	Tl	203	73.668	0.000	0.004651	0.000	3.623	ug/L
|	Tl	205	188.671	0.000	0.005870	0.001	14.830	ug/L
|	Pb	208	3849.778	0.010	0.140384	0.002	1.335	ug/L
⌊>	Bi	209	333107.713	333107.713				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	99.757
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	100.424
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.329
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.911

00468

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.510

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	357333.475	357333.475		ug/L
Be	9	22.000	0.000	0.081101	ug/L
V	51	4279.835	0.007	0.222000	ug/L
Cu	63	12452.970	0.050	3.114787	ug/L
Cu	65	5019.588	0.024	3.142937	ug/L
Zn	66	8977.728	0.036	8.600827	ug/L
Zn	68	7024.823	0.027	8.021852	ug/L
Ge	72	248125.502	248125.502		ug/L
As	75	111.964	0.000	0.050127	ug/L
Se	77	126.002	-0.000	-0.015240	ug/L
Se	82	43.576	0.000	0.119843	ug/L
Rh	103	295877.588	295877.588		ug/L
Ag	107	38.000	0.000	0.002797	ug/L
Cd	111	64.147	0.000	0.038022	ug/L
Cd	114	107.535	0.000	0.024207	ug/L
In	115	245738.327	245738.327		ug/L
Sb	121	368.013	0.001	0.049875	ug/L
Sb	123	278.631	0.001	0.050438	ug/L
Tl	203	77.001	0.000	0.004781	ug/L
Tl	205	178.004	0.000	0.004934	ug/L
Pb	208	3923.463	0.010	0.139487	ug/L
Bi	209	343468.284	343468.284		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	358393.671	358393.671		ug/L
Be	9	19.000	0.000	0.056573	ug/L
V	51	4280.012	0.007	0.215046	ug/L
Cu	63	12485.037	0.049	3.063180	ug/L
Cu	65	6132.993	0.024	3.182046	ug/L
Zn	66	9081.861	0.036	8.591299	ug/L
Zn	68	7008.507	0.027	8.883248	ug/L
Ge	72	251281.018	251281.018		ug/L
As	75	110.538	0.000	0.047973	ug/L
Se	77	120.002	0.000	0.082861	ug/L
Se	82	-70.586	0.000	0.071407	ug/L
Rh	103	298224.254	298224.254		ug/L
Ag	107	28.000	0.000	0.001680	ug/L
Cd	111	58.972	0.000	0.032798	ug/L
Cd	114	118.108	0.000	0.026546	ug/L
In	115	241666.078	241666.078		ug/L
Sb	121	368.013	0.001	0.050869	ug/L
Sb	123	284.631	0.001	0.052756	ug/L
Tl	203	73.001	0.000	0.004667	ug/L
Tl	205	169.004	0.000	0.006022	ug/L
Pb	208	3801.434	0.010	0.140494	ug/L
Bi	209	328641.568	328641.568		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	367780.318	367780.318		ug/L
Be	9	13.000	0.000	0.049171	ug/L
V	51	4307.186	0.007	0.220206	ug/L
Cu	63	12572.180	0.050	3.114568	ug/L
Cu	65	5994.674	0.024	3.089367	ug/L
Zn	66	8934.874	0.035	8.476208	ug/L
Zn	68	7023.522	0.027	8.903147	ug/L
Ge	72	250618.931	250618.931		ug/L
As	75	4.068	0.000	-0.032756	ug/L
Se	77	129.002	0.000	0.001799	ug/L
Se	82	-57.467	0.000	0.022087	ug/L
Rh	103	295720.283	295720.283		ug/L
Ag	107	30.000	0.000	0.001990	ug/L
Cd	111	55.602	0.000	0.031163	ug/L
Cd	114	111.644	0.000	0.025208	ug/L
In	115	242445.847	242445.847		ug/L
Sb	121	357.012	0.001	0.048884	ug/L
Sb	123	280.797	0.001	0.052368	ug/L
Tl	203	71.001	0.000	0.004484	ug/L
Tl	205	166.005	0.000	0.005858	ug/L
Pb	208	3824.438	0.010	0.142201	ug/L
Bi	209	327216.308	327216.308		ug/L

00469

Sample Information

Sample ID: 1002038-08
Autosampler Position: 48
Sample Date/Time: Monday, February 22, 2010 18:31:30
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-08.054
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	358601.607	358601.607				ug/L
⌊	Be	9	2.333	0.000	0.003003	0.010	339.709	ug/L
⌈	V	51	12854.842	0.041	1.317354	0.020	1.548	ug/L
|	Cu	63	3770.700	0.014	0.904389	0.019	2.074	ug/L
|	Cu	65	1774.905	0.007	0.885129	0.017	1.953	ug/L
|	Zn	66	1780.573	0.007	1.592580	0.022	1.358	ug/L
|	Zn	68	1619.200	0.005	1.791739	0.066	3.699	ug/L
|>	Ge	72	250795.162	250795.162				ug/L
|	As	75	713.324	0.003	0.506036	0.020	3.855	ug/L
|	Se	77	140.669	0.000	0.117977	0.043	36.275	ug/L
⌊	Se	82	-41.849	0.000	0.134893	0.217	161.047	ug/L
⌈>	Rh	103	302373.748	302373.748				ug/L
|	Ag	107	25.000	0.000	0.001245	0.001	55.255	ug/L
|	Cd	111	6.314	0.000	0.003090	0.002	53.902	ug/L
⌊	Cd	114	15.395	0.000	0.001591	0.002	118.515	ug/L
⌈>	In	115	243305.258	243305.258				ug/L
|	Sb	121	689.374	0.003	0.103812	0.007	6.785	ug/L
⌊	Sb	123	490.602	0.002	0.096977	0.005	4.971	ug/L
⌈	Tl	203	25.667	-0.000	-0.001867	0.001	26.842	ug/L
|	Tl	205	67.668	-0.000	-0.001078	0.000	38.787	ug/L
|	Pb	208	2459.190	0.006	0.081742	0.001	1.611	ug/L
⌊>	Bi	209	331645.039	331645.039				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	99.050
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	100.753
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	101.283
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.920

00478

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.069

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	381081.128	381081.128		ug/L
Be	9	5.000	0.000	0.014785	ug/L
V	51	13099.388	0.042	1.340884	ug/L
Cu	63	3770.032	0.014	0.899824	ug/L
Cu	65	1777.238	0.007	0.881804	ug/L
Zn	66	1770.237	0.007	1.574560	ug/L
Zn	68	1562.181	0.006	1.733100	ug/L
Ge	72	251981.049	251981.049		ug/L
As	75	738.646	0.003	0.522717	ug/L
Se	77	145.003	0.000	0.156023	ug/L
Se	82	-7.371	0.000	0.386256	ug/L
Rh	103	301662.470	301662.470		ug/L
Ag	107	28.000	0.000	0.001647	ug/L
Cd	111	9.707	0.000	0.004086	ug/L
Cd	114	8.788	0.000	0.000021	ug/L
In	115	244636.748	244636.748		ug/L
Sb	121	727.044	0.003	0.109478	ug/L
Sb	123	478.643	0.002	0.093427	ug/L
Tl	203	23.000	-0.000	-0.002313	ug/L
Tl	205	82.001	-0.000	-0.001491	ug/L
Pb	208	2535.194	0.006	0.082488	ug/L
Bi	209	339602.351	339602.351		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	356781.886	356781.886		ug/L
Be	9	1.000	0.000	-0.002880	ug/L
V	51	12672.874	0.041	1.308161	ug/L
Cu	63	3675.984	0.014	0.886338	ug/L
Cu	65	1787.244	0.007	0.903804	ug/L
Zn	66	1792.243	0.007	1.616569	ug/L
Zn	68	1587.196	0.006	1.778480	ug/L
Ge	72	249834.956	249834.956		ug/L
As	75	678.897	0.003	0.484582	ug/L
Se	77	135.003	0.000	0.071130	ug/L
Se	82	60.647	0.000	0.003767	ug/L
Rh	103	303006.382	303006.382		ug/L
Ag	107	18.000	0.000	0.000461	ug/L
Cd	111	5.133	0.000	0.002426	ug/L
Cd	114	24.178	0.000	0.003682	ug/L
In	115	242275.796	242275.796		ug/L
Sb	121	639.036	0.002	0.096926	ug/L
Sb	123	478.643	0.002	0.096039	ug/L
Tl	203	25.000	-0.000	-0.001984	ug/L
Tl	205	75.001	-0.000	-0.000886	ug/L
Pb	208	2475.198	0.006	0.082508	ug/L
Bi	209	331446.858	331446.858		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	357981.798	357981.798		ug/L
Be	9	1.000	0.000	-0.002886	ug/L
V	51	12792.584	0.041	1.306007	ug/L
Cu	63	3883.083	0.015	0.925006	ug/L
Cu	65	1750.232	0.007	0.868877	ug/L
Zn	66	1779.238	0.007	1.586631	ug/L
Zn	68	1678.214	0.006	1.863857	ug/L
Ge	72	251489.482	251489.482		ug/L
As	75	721.431	0.003	0.510809	ug/L
Se	77	142.003	0.000	0.127778	ug/L
Se	82	-57.529	0.000	0.023188	ug/L
Rh	103	302422.392	302422.392		ug/L
Ag	107	28.000	0.000	0.001638	ug/L
Cd	111	4.102	0.000	0.001858	ug/L
Cd	114	13.207	0.000	0.001070	ug/L
In	115	243103.230	243103.230		ug/L
Sb	121	702.042	0.003	0.106032	ug/L
Sb	123	516.520	0.002	0.102468	ug/L
Tl	203	29.000	-0.000	-0.001325	ug/L
Tl	205	88.001	-0.000	-0.001087	ug/L
Pb	208	2367.177	0.006	0.080222	ug/L
Bi	209	323986.906	323986.906		ug/L

00471

Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 22, 2010 18:35:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.055
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	353046.708	353046.708				ug/L
⌊	Be	9	8054.620	0.023	36.479793	0.680	1.865	ug/L
⌈	V	51	284444.096	1.150	37.033379	0.116	0.313	ug/L
⌋	Cu	63	151337.982	0.617	38.770311	0.533	1.374	ug/L
⌋	Cu	65	72397.133	0.295	38.752726	0.358	0.924	ug/L
⌋	Zn	66	39020.686	0.159	38.234897	0.562	1.469	ug/L
⌋	Zn	68	28542.869	0.115	38.169107	0.287	0.752	ug/L
⌋>	Ge	72	245194.981	245194.981				ug/L
⌋	As	75	50218.154	0.205	38.989341	0.585	1.500	ug/L
⌋	Se	77	3856.079	0.015	38.522053	0.628	1.629	ug/L
⌊	Se	82	5027.501	0.021	37.647687	0.195	0.518	ug/L
⌈>	Rh	103	294174.956	294174.956				ug/L
⌋	Ag	107	285542.685	0.971	38.565789	0.519	1.345	ug/L
⌋	Cd	111	66063.168	0.225	37.723606	0.339	0.898	ug/L
⌊	Cd	114	155644.423	0.529	38.253942	0.445	1.164	ug/L
⌈>	In	115	238452.804	238452.804				ug/L
⌋	Sb	121	213939.891	0.897	36.232920	0.860	2.373	ug/L
⌊	Sb	123	164138.236	0.688	36.288612	1.257	3.465	ug/L
⌈	Tl	203	272304.727	0.847	38.457577	0.416	1.082	ug/L
⌋	Tl	205	646077.206	2.010	38.465747	0.372	0.968	ug/L
⌋	Pb	208	867373.409	2.696	38.144517	0.114	0.299	ug/L
⌊>	Bi	209	321478.126	321478.126				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.516
⌊	Be	9.012	
⌈	V	50.944	
⌋	Cu	62.930	
⌋	Cu	64.928	
⌋	Zn	65.926	
⌋	Zn	67.925	
⌋>	Ge	71.922	98.503
⌋	As	74.922	
⌋	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.537
⌋	Ag	106.905	
⌋	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.927

00472

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.001

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	356740.843	356740.843		ug/L
Be	9	8211.800	0.023	36.908646	ug/L
V	51	264771.844	1.146	36.699687	ug/L
Cu	63	151633.285	0.616	38.711243	ug/L
Cu	65	73407.003	0.298	38.108331	ug/L
Zn	66	38980.617	0.158	38.021708	ug/L
Zn	68	28786.218	0.116	38.326894	ug/L
Ge	72	246357.852	246357.852		ug/L
As	75	49924.237	0.202	38.878701	ug/L
Se	77	3804.061	0.015	37.797523	ug/L
Se	82	5021.618	0.021	37.427622	ug/L
Rh	103	298275.322	298275.322		ug/L
Ag	107	287887.774	0.958	38.347252	ug/L
Cd	111	66297.233	0.222	37.334098	ug/L
Cd	114	156474.144	0.526	37.826363	ug/L
In	115	239874.724	239874.724		ug/L
Sb	121	209486.858	0.873	35.282330	ug/L
Sb	123	156801.038	0.662	34.862214	ug/L
Tl	203	275033.730	0.846	38.380888	ug/L
Tl	205	847108.210	1.989	38.068298	ug/L
Pb	208	875829.031	2.686	38.044580	ug/L
Bi	209	325347.772	325347.772		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	349686.494	349686.494		ug/L
Be	9	8055.820	0.023	36.834463	ug/L
V	51	268060.080	1.152	37.105204	ug/L
Cu	63	149848.044	0.609	38.286608	ug/L
Cu	65	71990.683	0.292	38.382481	ug/L
Zn	66	38735.131	0.157	37.810821	ug/L
Zn	68	28402.843	0.114	37.837849	ug/L
Ge	72	246104.331	246104.331		ug/L
As	75	51267.903	0.208	39.668827	ug/L
Se	77	3904.108	0.015	38.867288	ug/L
Se	82	5088.630	0.021	37.798388	ug/L
Rh	103	291414.589	291414.589		ug/L
Ag	107	280129.170	0.961	38.192258	ug/L
Cd	111	65842.072	0.226	37.950707	ug/L
Cd	114	156238.910	0.536	38.760846	ug/L
In	115	236800.086	236800.086		ug/L
Sb	121	214378.582	0.906	36.586542	ug/L
Sb	123	164636.221	0.696	36.680040	ug/L
Tl	203	273971.026	0.857	38.908821	ug/L
Tl	205	843668.234	2.013	38.527830	ug/L
Pb	208	866422.188	2.706	38.268870	ug/L
Bi	209	319708.452	319708.452		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	353713.786	353713.786		ug/L
Be	9	7898.441	0.022	36.686271	ug/L
V	51	262810.283	1.152	37.096388	ug/L
Cu	63	152232.636	0.626	39.330183	ug/L
Cu	65	71783.714	0.295	38.767387	ug/L
Zn	66	39338.410	0.161	38.872086	ug/L
Zn	68	28429.749	0.116	38.342782	ug/L
Ge	72	243122.780	243122.780		ug/L
As	75	49462.324	0.203	38.730498	ug/L
Se	77	3860.081	0.015	38.601388	ug/L
Se	82	4984.365	0.021	37.717071	ug/L
Rh	103	292834.968	292834.968		ug/L
Ag	107	288611.111	0.986	39.157880	ug/L
Cd	111	66060.200	0.226	37.888011	ug/L
Cd	114	154220.215	0.527	38.074518	ug/L
In	115	238783.622	238783.622		ug/L
Sb	121	217947.251	0.912	36.857888	ug/L
Sb	123	158875.446	0.707	37.303583	ug/L
Tl	203	267908.423	0.839	38.085241	ug/L
Tl	205	847530.174	2.027	38.803312	ug/L
Pb	208	861169.038	2.695	38.120080	ug/L
Bi	209	319378.154	319378.154		ug/L

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 18:43:27
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.056
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	345805.695	345805.695				ug/L
⌊	Be	9	2.333	0.000	0.003423	0.003	76.800	ug/L
⌈	V	51	2371.267	-0.001	-0.023539	0.006	25.056	ug/L
|	Cu	63	157.003	-0.000	-0.000851	0.003	370.806	ug/L
|	Cu	65	81.668	-0.000	-0.001310	0.002	127.554	ug/L
|	Zn	66	130.669	0.000	0.009380	0.011	113.031	ug/L
|	Zn	68	268.674	0.000	0.016566	0.033	198.220	ug/L
|>	Ge	72	246347.510	246347.510				ug/L
|	As	75	-80.449	-0.001	-0.098063	0.028	28.704	ug/L
|	Se	77	126.002	-0.000	-0.007072	0.158	2235.720	ug/L
⌊	Se	82	-59.803	-0.000	-0.002311	0.150	6494.877	ug/L
⌈>	Rh	103	295850.875	295850.875				ug/L
|	Ag	107	57.001	0.000	0.005614	0.001	10.788	ug/L
|	Cd	111	10.000	0.000	0.005257	0.001	22.023	ug/L
⌊	Cd	114	16.033	0.000	0.001830	0.000	17.784	ug/L
⌈>	In	115	240216.191	240216.191				ug/L
|	Sb	121	543.693	0.002	0.080828	0.006	7.300	ug/L
⌊	Sb	123	402.761	0.002	0.079091	0.006	8.093	ug/L
⌈	Tl	203	38.667	0.000	0.000022	0.001	5933.514	ug/L
|	Tl	205	80.001	-0.000	-0.000263	0.000	75.535	ug/L
|	Pb	208	514.346	-0.000	-0.000691	0.000	22.029	ug/L
⌊>	Bi	209	324179.566	324179.566				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.516
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.966
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.098
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.652

00474

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.816

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	347148.084	347148.084		ug/L
Be	9	3.000	0.000	0.008468	ug/L
V	51	2331.893	-0.001	-0.029483	ug/L
Cu	63	143.003	-0.000	-0.004398	ug/L
Cu	65	83.001	-0.000	-0.000870	ug/L
Zn	66	130.002	0.000	0.008618	ug/L
Zn	68	288.009	0.000	0.042782	ug/L
Ge	72	246189.182	246189.182		ug/L
As	75	36.508	-0.000	-0.083653	ug/L
Se	77	110.002	0.000	-0.170888	ug/L
Se	82	56.481	0.000	0.022233	ug/L
Rh	103	296216.050	296216.050		ug/L
Ag	107	53.001	0.000	0.005083	ug/L
Cd	111	8.103	0.000	0.004191	ug/L
Cd	114	15.016	0.000	0.001580	ug/L
In	115	238007.717	238007.717		ug/L
Sb	121	568.029	0.002	0.085786	ug/L
Sb	123	430.388	0.002	0.085698	ug/L
Tl	203	42.001	0.000	0.000483	ug/L
Tl	205	84.001	-0.000	-0.000038	ug/L
Pb	206	518.013	-0.000	-0.000673	ug/L
Bi	209	324779.774	324779.774		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	346227.992	346227.992		ug/L
Be	9	2.000	0.000	0.001876	ug/L
V	51	2418.807	0.001	-0.017015	ug/L
Cu	63	161.003	0.000	0.000212	ug/L
Cu	65	78.001	-0.000	-0.003224	ug/L
Zn	66	120.002	0.000	-0.000831	ug/L
Zn	68	241.006	-0.000	-0.020262	ug/L
Ge	72	246108.401	246108.401		ug/L
As	75	-98.538	-0.001	-0.112142	ug/L
Se	77	127.002	0.000	0.004588	ug/L
Se	82	-61.577	0.000	-0.163180	ug/L
Rh	103	296124.528	296124.528		ug/L
Ag	107	62.001	0.000	0.006278	ug/L
Cd	111	9.714	0.000	0.006091	ug/L
Cd	114	15.515	0.000	0.001700	ug/L
In	115	241466.702	241466.702		ug/L
Sb	121	556.027	0.002	0.082397	ug/L
Sb	123	378.782	0.001	0.073391	ug/L
Tl	203	46.001	0.000	0.001023	ug/L
Tl	205	78.001	-0.000	-0.000403	ug/L
Pb	206	518.013	-0.000	-0.000838	ug/L
Bi	209	325730.847	325730.847		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	344041.008	344041.008		ug/L
Be	9	2.000	0.000	0.001935	ug/L
V	51	2363.101	-0.001	-0.026108	ug/L
Cu	63	167.004	0.000	0.001635	ug/L
Cu	65	84.001	-0.000	-0.000137	ug/L
Zn	66	142.003	0.000	0.020291	ug/L
Zn	68	277.008	0.000	0.027188	ug/L
Ge	72	246746.847	246746.847		ug/L
As	75	104.300	-0.001	-0.116394	ug/L
Se	77	141.003	0.000	0.144882	ug/L
Se	82	41.380	0.000	0.134013	ug/L
Rh	103	296212.048	296212.048		ug/L
Ag	107	56.001	0.000	0.006471	ug/L
Cd	111	12.182	0.000	0.008488	ug/L
Cd	114	17.589	0.000	0.002201	ug/L
In	115	241175.153	241175.153		ug/L
Sb	121	507.023	0.002	0.074302	ug/L
Sb	123	399.134	0.001	0.077814	ug/L
Tl	203	78.000	-0.000	-0.001441	ug/L
Tl	205	78.001	-0.000	-0.000350	ug/L
Pb	206	507.012	-0.000	0.000863	ug/L
Bi	209	322028.276	322028.276		ug/L

Sample Information

Sample ID: 1002038-09
Autosampler Position: 49
Sample Date/Time: Monday, February 22, 2010 18:47:27
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-09.057
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	353390.481	353390.481				ug/L
⌊	Be	9	2.667	0.000	0.004761	0.014	293.439	ug/L
⌈	V	51	5714.541	0.012	0.401164	0.004	0.884	ug/L
|	Cu	63	2093.661	0.008	0.484536	0.013	2.674	ug/L
|	Cu	65	1084.427	0.004	0.523919	0.014	2.748	ug/L
|	Zn	66	1479.168	0.005	1.304788	0.069	5.267	ug/L
|	Zn	68	1439.159	0.005	1.556290	0.049	3.135	ug/L
|>	Ge	72	250512.165	250512.165				ug/L
|	As	75	330.005	0.001	0.215125	0.028	12.800	ug/L
|	Se	77	126.669	-0.000	-0.021723	0.030	136.462	ug/L
⌊	Se	82	-46.729	0.000	0.099596	0.110	110.645	ug/L
⌈>	Rh	103	297777.726	297777.726				ug/L
|	Ag	107	55.667	0.000	0.005389	0.000	5.843	ug/L
|	Cd	111	13.698	0.000	0.007324	0.002	25.988	ug/L
⌊	Cd	114	26.076	0.000	0.004241	0.001	11.799	ug/L
⌈>	In	115	241935.898	241935.898				ug/L
|	Sb	121	540.359	0.002	0.079617	0.005	6.879	ug/L
⌊	Sb	123	408.053	0.002	0.079604	0.011	13.273	ug/L
⌈	Tl	203	53.334	0.000	0.001862	0.001	48.699	ug/L
|	Tl	205	115.002	0.000	0.001600	0.001	42.650	ug/L
|	Pb	208	9388.515	0.026	0.374181	0.008	2.221	ug/L
⌊>	Bi	209	334299.937	334299.937				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.611
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	100.639
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.744
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.358

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.870

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	353330.483	353330.483		ug/L
Be	9	0.000	-0.000	-0.007362	ug/L
V	51	5649.328	0.012	0.388078	ug/L
Cu	63	2087.317	0.008	0.479212	ug/L
Cu	65	1080.082	0.004	0.528787	ug/L
Zn	66	1548.183	0.006	1.381701	ug/L
Zn	68	1398.150	0.005	1.512988	ug/L
Ge	72	248703.083	248703.083		ug/L
As	75	332.019	0.001	0.218634	ug/L
Se	77	125.002	0.000	-0.029408	ug/L
Se	82	-47.537	0.000	0.091482	ug/L
Rh	103	302884.388	302884.388		ug/L
Ag	107	55.001	0.000	0.005174	ug/L
Cd	111	10.280	0.000	0.005270	ug/L
Cd	114	27.454	0.000	0.004468	ug/L
In	115	241782.121	241782.121		ug/L
Sb	121	581.027	0.002	0.081440	ug/L
Sb	123	456.390	0.002	0.089863	ug/L
Tl	203	48.001	0.000	0.001013	ug/L
Tl	205	116.002	0.000	0.001538	ug/L
Pb	208	9435.546	0.026	0.358810	ug/L
Bi	209	340488.334	340488.334		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	350188.211	350188.211		ug/L
Be	9	6.000	0.000	0.020041	ug/L
V	51	5791.930	0.013	0.405037	ug/L
Cu	63	2186.350	0.008	0.496307	ug/L
Cu	65	1117.099	0.004	0.537288	ug/L
Zn	66	1431.156	0.005	1.249381	ug/L
Zn	68	1441.160	0.005	1.546720	ug/L
Ge	72	252142.605	252142.605		ug/L
As	75	366.089	0.001	0.240798	ug/L
Se	77	125.002	0.000	0.046788	ug/L
Se	82	-31.223	0.000	0.213628	ug/L
Rh	103	295802.589	295802.589		ug/L
Ag	107	58.001	0.000	0.008750	ug/L
Cd	111	16.639	0.000	0.009029	ug/L
Cd	114	27.318	0.000	0.004990	ug/L
In	115	240918.589	240918.589		ug/L
Sb	121	564.028	0.002	0.083860	ug/L
Sb	123	408.280	0.002	0.080004	ug/L
Tl	203	80.001	0.000	0.002517	ug/L
Tl	205	103.002	0.000	0.000952	ug/L
Pb	208	9549.583	0.027	0.383761	ug/L
Bi	209	331997.578	331997.578		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	356874.738	356874.738		ug/L
Be	9	2.000	0.000	0.001606	ug/L
V	51	5712.388	0.012	0.400377	ug/L
Cu	63	2057.317	0.008	0.475088	ug/L
Cu	65	1056.088	0.004	0.508881	ug/L
Zn	66	1458.163	0.005	1.263272	ug/L
Zn	68	1480.168	0.006	1.609181	ug/L
Ge	72	250680.808	250680.808		ug/L
As	75	291.827	0.001	0.189044	ug/L
Se	77	130.002	0.000	0.011008	ug/L
Se	82	-61.428	-0.000	-0.008320	ug/L
Rh	103	294846.226	294846.226		ug/L
Ag	107	54.001	0.000	0.008241	ug/L
Cd	111	14.198	0.000	0.007673	ug/L
Cd	114	23.454	0.000	0.003888	ug/L
In	115	243108.984	243108.984		ug/L
Sb	121	508.023	0.002	0.073481	ug/L
Sb	123	360.508	0.001	0.068843	ug/L
Tl	203	52.001	0.000	0.001797	ug/L
Tl	205	126.002	0.000	0.002312	ug/L
Pb	208	9180.416	0.026	0.369872	ug/L
Bi	209	330442.901	330442.901		ug/L

1a

00177

Sample Information

Sample ID: 1002038-10
Autosampler Position: 50
Sample Date/Time: Monday, February 22, 2010 18:50:57
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-10.058
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	356112.496	356112.496				ug/L
⌊	Be	9	6.000	0.000	0.019585	0.004	22.703	ug/L
⌈	V	51	6401.542	0.015	0.495707	0.031	6.274	ug/L
⌈	Cu	63	1520.510	0.005	0.343591	0.014	3.951	ug/L
⌊	Cu	65	708.709	0.003	0.329621	0.008	2.578	ug/L
⌈	Zn	66	1935.282	0.007	1.757004	0.050	2.832	ug/L
⌊	Zn	68	1618.199	0.005	1.808775	0.028	1.548	ug/L
⌊>	Ge	72	248659.642	248659.642				ug/L
⌈	As	75	253.358	0.001	0.158347	0.030	18.900	ug/L
⌈	Se	77	130.669	0.000	0.028630	0.054	188.995	ug/L
⌊	Se	82	-57.826	0.000	0.016247	0.056	342.636	ug/L
⌈>	Rh	103	303725.696	303725.696				ug/L
⌈	Ag	107	54.334	0.000	0.005065	0.002	30.475	ug/L
⌈	Cd	111	15.114	0.000	0.007949	0.006	75.876	ug/L
⌊	Cd	114	27.692	0.000	0.004505	0.001	20.225	ug/L
⌈>	In	115	242206.778	242206.778				ug/L
⌈	Sb	121	369.680	0.001	0.051065	0.005	8.874	ug/L
⌊	Sb	123	286.796	0.001	0.053094	0.002	4.499	ug/L
⌈	Tl	203	48.334	0.000	0.001251	0.001	89.566	ug/L
⌈	Tl	205	109.002	0.000	0.001307	0.001	57.210	ug/L
⌈	Pb	208	10271.979	0.029	0.415537	0.010	2.342	ug/L
⌊>	Bi	209	331341.577	331341.577				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	98.362
⌊	Be	9.012	
⌈	V	50.944	
⌈	Cu	62.930	
⌊	Cu	64.928	
⌈	Zn	65.926	
⌊	Zn	67.925	
⌊>	Ge	71.922	99.895
⌈	As	74.922	
⌈	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	101.736
⌈	Ag	106.905	
⌈	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.469

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	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.977

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
> Li	6	349407.384	349407.384		ug/L
Be	9	5.000	0.000	0.020100	ug/L
V	51	6514.644	0.016	0.508783	ug/L
Cu	63	1484.189	0.005	0.334138	ug/L
Cu	65	724.044	0.003	0.337497	ug/L
Zn	66	1928.280	0.007	1.749147	ug/L
Zn	68	1641.208	0.006	1.637986	ug/L
> Ge	72	248816.848	248816.848		ug/L
As	75	215.544	0.001	0.129219	ug/L
Se	77	133.003	0.000	0.061427	ug/L
Se	82	-63.605	-0.000	-0.025673	ug/L
> Rh	103	302728.981	302728.981		ug/L
Ag	107	49.001	0.000	0.004391	ug/L
Cd	111	27.182	0.000	0.014652	ug/L
Cd	114	27.388	0.000	0.004464	ug/L
> In	115	240858.088	240858.088		ug/L
Sb	121	398.013	0.001	0.050816	ug/L
Sb	123	297.508	0.001	0.056836	ug/L
Tl	203	42.001	0.000	0.000217	ug/L
Tl	205	112.002	0.000	0.001318	ug/L
Pb	208	10293.012	0.029	0.404875	ug/L
> Bi	209	340190.988	340190.988		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
> Li	6	358129.278	358129.278		ug/L
Be	9	5.000	0.000	0.014804	ug/L
V	51	6544.047	0.016	0.517300	ug/L
Cu	63	1578.180	0.006	0.356144	ug/L
Cu	65	698.040	0.002	0.320814	ug/L
Zn	66	1881.267	0.007	1.711636	ug/L
Zn	68	1610.198	0.006	1.608186	ug/L
> Ge	72	247725.984	247725.984		ug/L
As	75	292.338	0.001	0.189015	ug/L
Se	77	134.003	0.000	0.067810	ug/L
Se	82	60.537	0.000	0.005121	ug/L
> Rh	103	304545.637	304545.637		ug/L
Ag	107	68.001	0.000	0.006831	ug/L
Cd	111	12.071	0.000	0.008238	ug/L
Cd	114	24.043	0.000	0.003820	ug/L
> In	115	240544.652	240544.652		ug/L
Sb	121	395.015	0.001	0.066716	ug/L
Sb	123	277.379	0.001	0.061454	ug/L
Tl	203	47.001	0.000	0.001086	ug/L
Tl	205	121.002	0.000	0.002051	ug/L
Pb	208	10402.088	0.030	0.423940	ug/L
> Bi	209	329134.509	329134.509		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
> Li	6	359800.847	359800.847		ug/L
Be	9	7.000	0.000	0.023752	ug/L
V	51	6145.934	0.014	0.480057	ug/L
Cu	63	1501.173	0.005	0.337482	ug/L
Cu	65	713.043	0.003	0.330753	ug/L
Zn	66	1998.299	0.008	1.810227	ug/L
Zn	68	1803.198	0.006	1.782156	ug/L
> Ge	72	249436.993	249436.993		ug/L
As	75	252.193	0.001	0.156808	ug/L
Se	77	125.002	-0.000	-0.033147	ug/L
Se	82	-49.333	0.000	0.079433	ug/L
> Rh	103	303902.272	303902.272		ug/L
Ag	107	46.001	0.000	0.003874	ug/L
Cd	111	8.110	0.000	0.002968	ug/L
Cd	114	31.849	0.000	0.005440	ug/L
> In	115	248418.588	248418.588		ug/L
Sb	121	348.012	0.001	0.046883	ug/L
Sb	123	285.505	0.001	0.051983	ug/L
Tl	203	58.001	0.000	0.002442	ug/L
Tl	205	94.002	0.000	0.000668	ug/L
Pb	208	10120.857	0.030	0.417798	ug/L
> Bi	209	324698.233	324698.233		ug/L

00479

Sample Information

Sample ID: 1002038-11
Autosampler Position: 51
Sample Date/Time: Monday, February 22, 2010 18:54:26
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-11.059
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	354741.206	354741.206				ug/L
⌊	Be	9	0.667	-0.000	-0.004306	0.005	122.971	ug/L
⌈	V	51	3067.486	0.002	0.061838	0.008	12.168	ug/L
|	Cu	63	1262.791	0.004	0.276805	0.007	2.641	ug/L
|	Cu	65	610.699	0.002	0.276323	0.023	8.481	ug/L
|	Zn	66	822.056	0.003	0.674305	0.013	1.972	ug/L
|	Zn	68	768.382	0.002	0.673070	0.003	0.386	ug/L
|>	Ge	72	249886.107	249886.107				ug/L
|	As	75	129.875	0.000	0.063106	0.020	32.028	ug/L
|	Se	77	140.003	0.000	0.116978	0.096	81.679	ug/L
⌊	Se	82	-58.524	0.000	0.013146	0.094	714.333	ug/L
⌈>	Rh	103	298541.586	298541.586				ug/L
|	Ag	107	32.667	0.000	0.002306	0.001	28.234	ug/L
|	Cd	111	5.560	0.000	0.002685	0.003	122.819	ug/L
⌊	Cd	114	10.464	0.000	0.000452	0.001	152.762	ug/L
⌈>	In	115	240904.395	240904.395				ug/L
|	Sb	121	221.006	0.001	0.026456	0.004	15.431	ug/L
⌊	Sb	123	189.666	0.001	0.032195	0.005	15.106	ug/L
⌈	Tl	203	30.667	-0.000	-0.001196	0.001	122.834	ug/L
|	Tl	205	77.001	-0.000	-0.000532	0.000	65.494	ug/L
|	Pb	208	470.011	-0.000	-0.003059	0.001	42.842	ug/L
⌊>	Bi	209	331129.451	331129.451				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.984
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	100.388
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.000
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.934

	Sb	120.904
L	Sb	122.904
[	Tl	202.972
	Tl	204.975
	Pb	207.977
L>	Bi	208.980

99.913

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	366808.988	355808.988		ug/L
Be	9	0.000	-0.000	-0.007382	ug/L
V	51	3099.456	0.002	0.064403	ug/L
Cu	63	1222.117	0.004	0.268408	ug/L
Cu	65	857.037	0.002	0.302986	ug/L
Zn	66	818.056	0.003	0.679137	ug/L
Zn	68	766.049	0.002	0.676982	ug/L
Ge	72	248419.462	248419.462		ug/L
As	75	113.033	0.000	0.050853	ug/L
Se	77	146.003	0.000	0.206494	ug/L
Se	82	-71.679	-0.000	0.085271	ug/L
Rh	103	295980.952	295980.952		ug/L
Ag	107	36.000	0.000	0.002782	ug/L
Cd	111	1.584	0.000	0.000486	ug/L
Cd	114	11.898	0.000	0.000819	ug/L
In	115	242124.141	242124.141		ug/L
Sb	121	240.008	0.001	0.029423	ug/L
Sb	123	199.998	0.001	0.034207	ug/L
Tl	203	36.000	-0.000	0.000668	ug/L
Tl	205	72.001	0.000	-0.000811	ug/L
Pb	208	474.011	0.000	-0.003307	ug/L
Bi	209	338171.378	338171.378		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348780.269	348780.269		ug/L
Be	9	2.000	0.000	0.001808	ug/L
V	51	3110.544	0.002	0.067746	ug/L
Cu	63	1281.128	0.004	0.281750	ug/L
Cu	65	575.029	0.002	0.257792	ug/L
Zn	66	807.054	0.003	0.660618	ug/L
Zn	68	766.049	0.002	0.670944	ug/L
Ge	72	249847.184	249847.184		ug/L
As	75	115.135	0.000	0.052030	ug/L
Se	77	141.003	0.000	0.126072	ug/L
Se	82	46.302	0.000	0.101772	ug/L
Rh	103	297404.080	297404.080		ug/L
Ag	107	27.000	0.000	0.001566	ug/L
Cd	111	2.676	0.000	0.001093	ug/L
Cd	114	12.206	0.000	0.000880	ug/L
In	115	237802.861	237802.861		ug/L
Sb	121	226.008	0.001	0.028148	ug/L
Sb	123	203.124	0.001	0.039726	ug/L
Tl	203	18.000	0.000	0.002678	ug/L
Tl	205	77.001	-0.000	-0.000458	ug/L
Pb	208	439.009	-0.000	-0.004228	ug/L
Bi	209	325463.888	325463.888		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	359523.384	359523.384		ug/L
Be	9	0.000	0.000	0.007352	ug/L
V	51	3022.457	0.002	0.053387	ug/L
Cu	63	1265.128	0.004	0.280256	ug/L
Cu	65	600.031	0.002	0.268611	ug/L
Zn	66	841.058	0.003	0.687184	ug/L
Zn	68	773.060	0.002	0.672304	ug/L
Ge	72	251581.678	251581.678		ug/L
As	75	167.457	0.000	0.088434	ug/L
Se	77	131.003	0.000	0.016388	ug/L
Se	82	-57.582	0.000	0.022837	ug/L
Rh	103	302258.717	302258.717		ug/L
Ag	107	35.000	0.000	0.002580	ug/L
Cd	111	12.408	0.000	0.008478	ug/L
Cd	114	7.288	-0.000	-0.000344	ug/L
In	115	242986.383	242986.383		ug/L
Sb	121	195.008	0.001	0.021808	ug/L
Sb	123	166.878	0.001	0.029848	ug/L
Tl	203	36.000	-0.000	-0.000156	ug/L
Tl	205	82.001	0.000	-0.000226	ug/L
Pb	208	501.012	-0.000	0.001842	ug/L
Bi	209	329753.088	329753.088		ug/L

00481

Sample Information

Sample ID: 1002038-12
Autosampler Position: 52
Sample Date/Time: Monday, February 22, 2010 18:57:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-12.060
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	357570.303	357570.303				ug/L
	Be	9	1.667	0.000	0.000026	0.005	19345.903	ug/L
	V	51	4178.565	0.006	0.207874	0.006	2.924	ug/L
	Cu	63	1580.857	0.006	0.359072	0.015	4.039	ug/L
	Cu	65	724.044	0.003	0.338057	0.024	7.101	ug/L
	Zn	66	1125.767	0.004	0.973287	0.053	5.431	ug/L
	Zn	68	1095.095	0.003	1.112770	0.046	4.152	ug/L
>	Ge	72	248587.385	248587.385				ug/L
	As	75	8763.957	0.035	6.681888	0.031	0.471	ug/L
	Se	77	142.670	0.000	0.150160	0.108	71.676	ug/L
	Se	82	-46.227	0.000	0.100822	0.162	160.282	ug/L
>	Rh	103	302727.331	302727.331				ug/L
	Ag	107	27.000	0.000	0.001499	0.000	28.486	ug/L
	Cd	111	6.917	0.000	0.003433	0.002	44.073	ug/L
	Cd	114	18.152	0.000	0.002236	0.002	80.131	ug/L
>	In	115	242733.803	242733.803				ug/L
	Sb	121	4779.980	0.019	0.784813	0.008	0.975	ug/L
	Sb	123	3627.745	0.015	0.778673	0.003	0.362	ug/L
	Tl	203	51.001	0.000	0.001547	0.001	44.322	ug/L
	Tl	205	135.669	0.000	0.002783	0.001	27.154	ug/L
	Pb	208	12480.724	0.036	0.505248	0.008	1.639	ug/L
>	Bi	209	334185.137	334185.137				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	98.765
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.866
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.402
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	99.686

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	100.835

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	348291.803	348291.803		ug/L
Be	9	1.000	-0.000	0.002771	ug/L
V	51	4120.412	0.006	0.200311	ug/L
Cu	63	1611.198	0.008	0.356003	ug/L
Cu	65	715.043	0.003	0.335216	ug/L
Zn	66	1174.108	0.004	1.026191	ug/L
Zn	68	1086.083	0.003	1.109337	ug/L
Ge	72	247198.157	247198.157		ug/L
As	75	8754.942	0.035	6.712756	ug/L
Se	77	141.003	0.000	0.142241	ug/L
Se	82	22.411	0.000	0.273824	ug/L
Rh	103	308703.513	308703.513		ug/L
Ag	107	30.000	0.000	0.001862	ug/L
Cd	111	4.558	0.000	0.002081	ug/L
Cd	114	18.856	0.000	0.002388	ug/L
In	115	243082.770	243082.770		ug/L
Sb	121	4756.631	0.019	0.779861	ug/L
Sb	123	3638.334	0.015	0.779907	ug/L
Tl	203	46.001	0.000	0.000762	ug/L
Tl	205	138.003	0.000	0.002783	ug/L
Pb	208	12483.426	0.036	0.498628	ug/L
Bi	209	339867.901	339867.901		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	365849.775	365849.775		ug/L
Be	9	3.000	0.000	0.008748	ug/L
V	51	4186.844	0.007	0.214775	ug/L
Cu	63	1581.193	0.008	0.365808	ug/L
Cu	65	764.049	0.003	0.363356	ug/L
Zn	66	1114.098	0.004	0.973249	ug/L
Zn	68	1050.086	0.003	1.068381	ug/L
Ge	72	245932.563	245932.563		ug/L
As	75	8626.864	0.035	6.649793	ug/L
Se	77	131.003	0.000	0.046709	ug/L
Se	82	65.671	0.000	0.048234	ug/L
Rh	103	298144.006	298144.006		ug/L
Ag	107	23.000	0.000	0.001024	ug/L
Cd	111	9.738	0.000	0.005087	ug/L
Cd	114	10.148	0.000	0.000373	ug/L
In	115	242115.484	242115.484		ug/L
Sb	121	4744.823	0.019	0.780980	ug/L
Sb	123	3603.683	0.015	0.775481	ug/L
Tl	203	53.001	0.000	0.001846	ug/L
Tl	205	148.003	0.000	0.003533	ug/L
Pb	208	12422.336	0.036	0.506334	ug/L
Bi	209	332520.083	332520.083		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	358469.330	358469.330		ug/L
Be	9	1.000	0.000	0.002901	ug/L
V	51	4229.440	0.008	0.206837	ug/L
Cu	63	1540.181	0.006	0.342414	ug/L
Cu	65	663.041	0.002	0.315598	ug/L
Zn	66	1089.094	0.004	0.920450	ug/L
Zn	68	1149.104	0.004	1.160582	ug/L
Ge	72	252631.436	252631.436		ug/L
As	75	8908.074	0.035	6.683117	ug/L
Se	77	156.003	0.000	0.261530	ug/L
Se	82	50.800	0.000	0.074874	ug/L
Rh	103	303834.478	303834.478		ug/L
Ag	107	29.000	0.000	0.001821	ug/L
Cd	111	8.457	0.000	0.003180	ug/L
Cd	114	25.356	0.000	0.003946	ug/L
In	115	243023.158	243023.158		ug/L
Sb	121	4836.687	0.020	0.793628	ug/L
Sb	123	3641.209	0.015	0.780880	ug/L
Tl	203	54.001	0.000	0.002031	ug/L
Tl	205	121.002	0.000	0.002022	ug/L
Pb	208	12538.411	0.036	0.513484	ug/L
Bi	209	330477.446	330477.446		ug/L

00483

Sample Information

Sample ID: 1001061-MS2
Autosampler Position: 53
Sample Date/Time: Monday, February 22, 2010 19:01:24
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001061-MS2.061
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	353190.282	353190.282				ug/L
⌊	Be	9	4248.306	0.012	19.228959	0.142	0.740	ug/L
⌈	V	51	161621.892	0.649	20.906762	0.198	0.949	ug/L
|	Cu	63	82809.132	0.337	21.202344	0.226	1.068	ug/L
|	Cu	65	39422.558	0.161	21.090357	0.265	1.258	ug/L
|	Zn	66	21300.928	0.086	20.825175	0.217	1.044	ug/L
|	Zn	68	15758.188	0.063	20.926689	0.218	1.041	ug/L
|>	Ge	72	245100.752	245100.752				ug/L
|	As	75	34721.503	0.141	26.957895	0.146	0.543	ug/L
|	Se	77	1973.292	0.008	19.085843	0.592	3.104	ug/L
⌊	Se	82	2529.396	0.011	19.165697	0.184	0.958	ug/L
⌈>	Rh	103	299396.923	299396.923				ug/L
|	Ag	107	148699.012	0.497	19.733780	0.284	1.441	ug/L
|	Cd	111	34452.447	0.115	19.329484	0.177	0.914	ug/L
⌊	Cd	114	81115.969	0.271	19.587743	0.307	1.565	ug/L
⌈>	In	115	241349.111	241349.111				ug/L
|	Sb	121	127281.034	0.527	21.296466	0.521	2.446	ug/L
⌊	Sb	123	96660.696	0.400	21.110045	0.259	1.228	ug/L
⌈	Tl	203	145540.600	0.442	20.074374	0.069	0.345	ug/L
|	Tl	205	351558.860	1.068	20.441766	0.201	0.981	ug/L
|	Pb	208	486306.521	1.476	20.880074	0.298	1.427	ug/L
⌊>	Bi	209	329132.159	329132.159				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.555
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.466
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.286
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.117

00484

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.310

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	353468.456	353468.456		ug/L
	Be	9	4223.290	0.012	19.101588	ug/L
	V	51	163109.881	0.656	21.104886	ug/L
	Cu	63	91901.890	0.334	20.972776	ug/L
	Cu	65	39881.461	0.162	21.344130	ug/L
	Zn	66	21518.580	0.087	21.041662	ug/L
	Zn	68	15822.887	0.064	21.151588	ug/L
>	Ge	72	245087.574	245087.574		ug/L
	As	75	34916.870	0.142	27.113250	ug/L
	Se	77	1935.281	0.007	18.684252	ug/L
	Se	82	2500.829	0.010	18.967588	ug/L
>	Rh	103	302834.308	302834.308		ug/L
	Ag	107	148235.841	0.488	19.447084	ug/L
	Cd	111	34467.357	0.114	19.125383	ug/L
	Cd	114	80702.570	0.267	19.279584	ug/L
>	In	115	244908.486	244908.486		ug/L
	Sb	121	125881.308	0.513	20.718246	ug/L
	Sb	123	97161.072	0.397	20.908986	ug/L
	Tl	203	146561.800	0.440	19.986210	ug/L
	Tl	205	351387.038	1.056	20.210971	ug/L
	Pb	208	483566.942	1.462	20.638704	ug/L
>	Bi	209	332708.450	332708.450		ug/L

Repeat 2

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	354855.381	354855.381		ug/L
	Be	9	4302.338	0.012	19.382487	ug/L
	V	51	160827.950	0.649	20.907427	ug/L
	Cu	63	82421.624	0.337	21.208708	ug/L
	Cu	65	39268.034	0.161	21.111934	ug/L
	Zn	66	21197.819	0.086	20.827102	ug/L
	Zn	68	15689.326	0.063	20.911823	ug/L
>	Ge	72	243885.108	243885.108		ug/L
	As	75	34524.238	0.141	26.938118	ug/L
	Se	77	2029.308	0.008	19.767452	ug/L
	Se	82	2528.178	0.011	19.235233	ug/L
>	Rh	103	298883.008	298883.008		ug/L
	Ag	107	149471.200	0.504	20.015758	ug/L
	Cd	111	34287.807	0.116	19.400870	ug/L
	Cd	114	80389.732	0.271	19.590860	ug/L
>	In	115	238277.499	238277.499		ug/L
	Sb	121	128240.218	0.538	21.729900	ug/L
	Sb	123	98782.463	0.408	21.402814	ug/L
	Tl	203	145018.773	0.443	20.128428	ug/L
	Tl	205	351618.909	1.075	20.573080	ug/L
	Pb	208	487720.401	1.490	21.071480	ug/L
>	Bi	209	327084.588	327084.588		ug/L

Repeat 3

	Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	351280.012	351280.012		ug/L
	Be	9	4219.286	0.012	19.202811	ug/L
	V	51	160827.844	0.643	20.707906	ug/L
	Cu	63	84104.083	0.341	21.425552	ug/L
	Cu	65	39106.156	0.158	20.815007	ug/L
	Zn	66	21166.586	0.086	20.808771	ug/L
	Zn	68	15662.353	0.063	20.718676	ug/L
>	Ge	72	246348.574	246349.574		ug/L
	As	75	34723.402	0.141	26.822320	ug/L
	Se	77	1956.287	0.007	18.795824	ug/L
	Se	82	2561.080	0.011	19.304288	ug/L
>	Rh	103	298873.455	298873.455		ug/L
	Ag	107	148388.994	0.497	19.738518	ug/L
	Cd	111	34802.176	0.118	19.458420	ug/L
	Cd	114	82185.606	0.275	19.692086	ug/L
>	In	115	240881.348	240881.348		ug/L
	Sb	121	127921.977	0.531	21.442251	ug/L
	Sb	123	98068.584	0.399	21.018524	ug/L
	Tl	203	145061.426	0.443	20.098486	ug/L
	Tl	205	351673.641	1.073	20.541737	ug/L
	Pb	208	487843.220	1.487	21.032037	ug/L
>	Bi	209	327625.438	327625.438		ug/L

00485

Sample Information

Sample ID: 1001061-MSD2
Autosampler Position: 54
Sample Date/Time: Monday, February 22, 2010 19:09:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001061-MSD2.062
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	353084.871	353084.871				ug/L
⌊	Be	9	3801.717	0.011	17.212468	0.489	2.839	ug/L
⌈	V	51	147737.670	0.576	18.568116	0.175	0.941	ug/L
|	Cu	63	75200.198	0.298	18.740826	0.043	0.231	ug/L
|	Cu	65	35689.632	0.141	18.583106	0.166	0.893	ug/L
|	Zn	66	19022.152	0.075	18.090018	0.074	0.409	ug/L
|	Zn	68	13948.082	0.054	17.984633	0.358	1.989	ug/L
|>	Ge	72	251756.364	251756.364				ug/L
|	As	75	31233.897	0.124	23.604074	0.294	1.248	ug/L
|	Se	77	1829.919	0.007	17.104045	0.543	3.173	ug/L
⌊	Se	82	2203.625	0.009	16.323125	0.524	3.208	ug/L
⌈>	Rh	103	300570.201	300570.201				ug/L
|	Ag	107	135692.229	0.451	17.935867	0.243	1.354	ug/L
|	Cd	111	31392.681	0.104	17.544093	0.229	1.307	ug/L
⌊	Cd	114	72319.216	0.241	17.394835	0.223	1.284	ug/L
⌈>	In	115	242953.390	242953.390				ug/L
|	Sb	121	113571.581	0.467	18.871752	0.102	0.538	ug/L
⌊	Sb	123	87017.293	0.358	18.875652	0.116	0.614	ug/L
⌈	Tl	203	134145.615	0.403	18.297466	0.143	0.779	ug/L
|	Tl	205	315565.330	0.948	18.145543	0.284	1.565	ug/L
|	Pb	208	434953.672	1.305	18.464710	0.139	0.752	ug/L
⌊>	Bi	209	332821.007	332821.007				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.526
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	101.139
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.679
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.776

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.423

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	345774 808	345774 808		ug/L
Be	9	3717 004	0 011	17 184404	ug/L
V	51	149818 274	0 583	18 767032	ug/L
Cu	63	75266 210	0 297	18 890884	ug/L
Cu	65	35636 024	0 141	18 488866	ug/L
Zn	66	19013 462	0 075	18 017517	ug/L
Zn	68	14310 464	0 056	18 396388	ug/L
Ge	72	252644 899	252644 899		ug/L
As	75	31719 093	0 125	23 887181	ug/L
Se	77	1827 252	0 007	17 011779	ug/L
Se	82	2211 821	0 009	16 326234	ug/L
Rh	103	301017 878	301017 878		ug/L
Ag	107	133818 167	0 444	17 661093	ug/L
Cd	111	31625 831	0 106	17 647093	ug/L
Cd	114	72809 782	0 242	17 509818	ug/L
In	115	243252 278	243252 278		ug/L
Sb	121	113052 782	0 464	18 782361	ug/L
Sb	123	86883 817	0 357	18 847303	ug/L
Tl	203	133813 110	0 400	18 152871	ug/L
Tl	205	314988 838	0 941	18 012994	ug/L
Pb	206	435463 849	1 300	18 386709	ug/L
Bi	209	334628 084	334628 084		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	356107 484	356107 454		ug/L
Be	9	3946 129	0 011	17 714588	ug/L
V	51	146212 429	0 572	18 439920	ug/L
Cu	63	75033 782	0 298	18 765880	ug/L
Cu	65	35829 487	0 143	18 774688	ug/L
Zn	66	19033 518	0 075	18 166648	ug/L
Zn	68	13771 400	0 054	17 617525	ug/L
Ge	72	250863 724	250863 724		ug/L
As	75	31151 182	0 124	23 625671	ug/L
Se	77	1861 267	0 007	17 687024	ug/L
Se	82	2268 088	0 009	16 845203	ug/L
Rh	103	297911 801	297911 801		ug/L
Ag	107	135887 750	0 456	18 121554	ug/L
Cd	111	31400 178	0 105	17 703818	ug/L
Cd	114	72270 377	0 243	17 537232	ug/L
In	115	242987 430	242987 430		ug/L
Sb	121	114141 886	0 469	18 983084	ug/L
Sb	123	86678 388	0 358	18 778482	ug/L
Tl	203	134865 640	0 403	18 301668	ug/L
Tl	205	313821 772	0 938	17 952042	ug/L
Pb	208	435267 519	1 300	18 383401	ug/L
Bi	209	334617 168	334617 168		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	357372 350	357372 350		ug/L
Be	9	3742 017	0 010	16 738428	ug/L
V	51	147184 308	0 574	18 497384	ug/L
Cu	63	75301 581	0 298	18 765758	ug/L
Cu	65	35504 375	0.141	18 485774	ug/L
Zn	66	19019 478	0 075	18 086987	ug/L
Zn	68	13762 383	0 054	17 740986	ug/L
Ge	72	251760 470	251760 470		ug/L
As	75	30831 416	0 122	23 298371	ug/L
Se	77	1781 240	0 007	16 613333	ug/L
Se	82	2130 888	0 009	15 797940	ug/L
Rh	103	302781 123	302781 123		ug/L
Ag	107	137372 788	0 454	18 024953	ug/L
Cd	111	31151 834	0 103	17 261370	ug/L
Cd	114	71777 478	0 237	17 137458	ug/L
In	115	242610 480	242610 480		ug/L
Sb	121	113520 091	0 468	18 889821	ug/L
Sb	123	87481 575	0 360	19 003171	ug/L
Tl	203	133758 094	0 406	18 437888	ug/L
Tl	205	317884 883	0 965	18 471584	ug/L
Pb	208	434129 847	1 317	18 625020	ug/L
Bi	209	329318 763	329318 763		ug/L

Sample Information

Sample ID: 0B22027-SRD3
Autosampler Position: 55
Sample Date/Time: Monday, February 22, 2010 19:18:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-SRD3.063
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	351346.739	351346.739				ug/L
⌊	Be	9	1.333	-0.000	-0.001337	0.007	513.163	ug/L
⌈	V	51	2674.791	0.000	0.015076	0.003	22.471	ug/L
|	Cu	63	414.683	0.001	0.064584	0.007	11.382	ug/L
|	Cu	65	215.005	0.001	0.069441	0.004	5.657	ug/L
|	Zn	66	319.010	0.001	0.192763	0.015	7.644	ug/L
|	Zn	68	426.684	0.001	0.227353	0.057	24.931	ug/L
|>	Ge	72	247123.057	247123.057				ug/L
|	As	75	1793.315	0.007	1.347376	0.054	4.040	ug/L
|	Se	77	133.669	0.000	0.067709	0.050	74.089	ug/L
⌊	Se	82	-30.059	0.000	0.216964	0.078	35.769	ug/L
⌈>	Rh	103	297986.060	297986.060				ug/L
|	Ag	107	65.668	0.000	0.006710	0.002	22.911	ug/L
|	Cd	111	4.024	0.000	0.001857	0.003	143.291	ug/L
⌊	Cd	114	5.078	-0.000	-0.000855	0.000	45.842	ug/L
⌈>	In	115	241783.558	241783.558				ug/L
|	Sb	121	1075.758	0.004	0.169099	0.001	0.760	ug/L
⌊	Sb	123	829.968	0.003	0.171638	0.005	2.941	ug/L
⌈	Tl	203	35.334	-0.000	-0.000468	0.001	168.713	ug/L
|	Tl	205	69.001	-0.000	-0.000935	0.000	52.373	ug/L
|	Pb	208	2807.910	0.007	0.098645	0.004	3.574	ug/L
⌊>	Bi	209	326204.918	326204.918				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.046
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.278
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.814
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.295

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	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.427

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	349701.237	349701.237		ug/L
Be	9	0.000	-0.000	-0.007382	ug/L
V	51	2687.704	0.000	0.014199	ug/L
Cu	63	448.019	0.001	0.072247	ug/L
Cu	65	225.008	0.001	0.073905	ug/L
Zn	66	307.010	0.001	0.178784	ug/L
Zn	68	364.014	0.001	0.166142	ug/L
Ge	72	248922.534	248922.534		ug/L
As	75	1759.270	0.007	1.310662	ug/L
Se	77	136.003	0.000	0.101717	ug/L
Se	82	-26.309	0.000	0.246548	ug/L
Rh	103	296866.885	296866.885		ug/L
Ag	107	73.001	0.000	0.007886	ug/L
Cd	111	4.269	0.000	0.001980	ug/L
Cd	114	6.460	-0.000	-0.000525	ug/L
In	115	240435.782	240435.782		ug/L
Sb	121	1066.089	0.004	0.168318	ug/L
Sb	123	661.172	0.003	0.166348	ug/L
Tl	203	30.000	-0.000	-0.001251	ug/L
Tl	205	60.001	-0.000	-0.001486	ug/L
Pb	208	2798.246	0.007	0.097018	ug/L
Bi	209	329228.812	329228.812		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	355848.406	355848.406		ug/L
Be	9	3.000	0.000	0.008128	ug/L
V	51	2664.182	0.001	0.018816	ug/L
Cu	63	405.016	0.001	0.063816	ug/L
Cu	65	209.005	0.001	0.067810	ug/L
Zn	66	330.011	0.001	0.208151	ug/L
Zn	68	458.019	0.001	0.279028	ug/L
Ge	72	243511.681	243511.681		ug/L
As	75	1847.666	0.007	1.409948	ug/L
Se	77	134.003	0.000	0.081315	ug/L
Se	82	-41.521	0.000	0.128919	ug/L
Rh	103	298871.548	298871.548		ug/L
Ag	107	72.001	0.000	0.007526	ug/L
Cd	111	-0.791	-0.000	-0.000883	ug/L
Cd	114	3.305	-0.000	-0.001288	ug/L
In	115	241688.342	241688.342		ug/L
Sb	121	1071.081	0.004	0.166398	ug/L
Sb	123	661.430	0.003	0.176404	ug/L
Tl	203	35.000	-0.000	-0.000479	ug/L
Tl	205	74.001	-0.000	-0.000810	ug/L
Pb	208	2879.257	0.007	0.102691	ug/L
Bi	209	323700.388	323700.388		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348680.573	348680.573		ug/L
Be	9	1.000	-0.000	-0.002776	ug/L
V	51	2672.487	0.000	0.012213	ug/L
Cu	63	390.015	0.001	0.057580	ug/L
Cu	65	211.005	0.001	0.066808	ug/L
Zn	66	320.010	0.001	0.191356	ug/L
Zn	68	436.018	0.001	0.237889	ug/L
Ge	72	248934.956	248934.956		ug/L
As	75	1773.019	0.007	1.321319	ug/L
Se	77	129.002	0.000	0.010088	ug/L
Se	82	22.348	0.000	0.275429	ug/L
Rh	103	299129.737	299129.737		ug/L
Ag	107	53.001	0.000	0.004936	ug/L
Cd	111	8.584	0.000	0.004456	ug/L
Cd	114	5.466	-0.000	-0.000752	ug/L
In	115	243229.561	243229.561		ug/L
Sb	121	1091.084	0.004	0.170582	ug/L
Sb	123	637.302	0.003	0.172163	ug/L
Tl	203	41.001	0.000	0.000327	ug/L
Tl	205	73.001	-0.000	-0.000686	ug/L
Pb	208	2748.229	0.007	0.096232	ug/L
Bi	209	325887.756	325887.756		ug/L

00488

Sample Information

Sample ID: 1001061-PS2
Autosampler Position: 56
Sample Date/Time: Monday, February 22, 2010 19:21:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001061-PS2.064
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	354021.783	354021.783				ug/L
⌊	Be	9	4194.607	0.012	18.941703	0.223	1.179	ug/L
⌈	V	51	159323.725	0.624	20.104771	0.420	2.088	ug/L
|	Cu	63	81653.892	0.325	20.405494	0.140	0.687	ug/L
|	Cu	65	38802.850	0.154	20.263435	0.553	2.730	ug/L
|	Zn	66	20478.860	0.081	19.538747	0.594	3.041	ug/L
|	Zn	68	15156.887	0.059	19.628931	0.621	3.162	ug/L
|>	Ge	72	251115.030	251115.030				ug/L
|	As	75	34503.327	0.137	26.146429	0.162	0.618	ug/L
|	Se	77	1983.629	0.007	18.700765	0.162	0.864	ug/L
⌊	Se	82	2533.333	0.010	18.748940	0.904	4.823	ug/L
⌈>	Rh	103	298554.137	298554.137				ug/L
|	Ag	107	148701.599	0.498	19.790341	0.427	2.156	ug/L
|	Cd	111	34121.467	0.114	19.197540	0.107	0.556	ug/L
⌊	Cd	114	80160.967	0.268	19.412545	0.297	1.529	ug/L
⌈>	In	115	245619.993	245619.993				ug/L
|	Sb	121	119606.780	0.487	19.660033	0.381	1.937	ug/L
⌊	Sb	123	91351.857	0.372	19.601781	0.345	1.762	ug/L
⌈	Tl	203	144422.542	0.432	19.618931	0.431	2.196	ug/L
|	Tl	205	344569.418	1.031	19.736592	0.754	3.822	ug/L
|	Pb	208	479562.535	1.433	20.277408	0.457	2.254	ug/L
⌊>	Bi	209	334294.265	334294.265				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.785
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	100.882
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.004
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	100.871

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	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.868

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	354038.187	354038.187		ug/L
Be	9	4250.307	0.012	19.192293	ug/L
V	51	158648.299	0.609	19.624136	ug/L
Cu	63	61559.808	0.322	20.256114	ug/L
Cu	65	36188.192	0.181	19.818451	ug/L
Zn	66	20404.309	0.080	19.342884	ug/L
Zn	68	14808.478	0.058	19.043681	ug/L
Ge	72	252881.470	252881.470		ug/L
As	75	34474.988	0.136	25.984012	ug/L
Se	77	1977.293	0.007	18.814292	ug/L
Se	82	2403.980	0.010	17.704706	ug/L
Rh	103	301638.188	301638.188		ug/L
Ag	107	149836.612	0.498	19.708835	ug/L
Cd	111	34274.880	0.114	19.086013	ug/L
Cd	114	79700.527	0.264	19.101619	ug/L
In	115	246507.188	246507.188		ug/L
Sb	121	117483.971	0.476	19.235884	ug/L
Sb	123	69883.288	0.384	19.216340	ug/L
Tl	203	144844.284	0.422	19.180331	ug/L
Tl	205	336797.923	0.989	19.838188	ug/L
Pb	208	480077.662	1.397	19.768007	ug/L
Bi	209	343380.868	343380.868		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	358678.087	358678.087		ug/L
Be	9	4186.268	0.012	18.763724	ug/L
V	51	159488.616	0.633	20.396431	ug/L
Cu	63	81084.437	0.327	20.534336	ug/L
Cu	65	39483.107	0.159	20.881783	ug/L
Zn	66	20898.737	0.084	20.208188	ug/L
Zn	68	15448.839	0.061	20.279811	ug/L
Ge	72	247782.224	247782.224		ug/L
As	75	34211.347	0.138	26.273188	ug/L
Se	77	1968.280	0.007	18.791254	ug/L
Se	82	2570.979	0.011	19.268948	ug/L
Rh	103	294838.940	294838.940		ug/L
Ag	107	150294.210	0.510	20.251889	ug/L
Cd	111	33875.739	0.115	19.298653	ug/L
Cd	114	80316.214	0.272	19.693014	ug/L
In	115	245350.448	245350.448		ug/L
Sb	121	120163.510	0.488	19.772488	ug/L
Sb	123	81740.675	0.374	19.706146	ug/L
Tl	203	144031.078	0.434	19.708726	ug/L
Tl	205	343866.381	1.036	19.834541	ug/L
Pb	208	480643.358	1.447	20.467382	ug/L
Bi	209	331752.575	331752.575		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	351481.076	351481.076		ug/L
Be	9	4148.248	0.012	18.669082	ug/L
V	51	161925.401	0.630	20.280747	ug/L
Cu	63	82317.432	0.325	20.428032	ug/L
Cu	65	38757.281	0.153	20.083072	ug/L
Zn	66	20133.536	0.079	19.087179	ug/L
Zn	68	15217.344	0.059	19.563631	ug/L
Ge	72	252881.398	252881.398		ug/L
As	75	34823.880	0.138	26.203088	ug/L
Se	77	2007.302	0.007	18.798748	ug/L
Se	82	2625.031	0.011	19.275168	ug/L
Rh	103	299187.308	299187.308		ug/L
Ag	107	148173.978	0.498	19.410329	ug/L
Cd	111	34213.801	0.114	19.207958	ug/L
Cd	114	80468.158	0.269	19.443002	ug/L
In	115	245002.384	245002.384		ug/L
Sb	121	121202.880	0.494	19.971948	ug/L
Sb	123	82431.629	0.377	19.882857	ug/L
Tl	203	144382.286	0.440	19.987736	ug/L
Tl	205	350054.850	1.068	20.437088	ug/L
Pb	208	478088.586	1.457	20.608888	ug/L
Bi	209	327779.262	327779.262		ug/L

00491

Sample Information

Sample ID: 1002038-13
Autosampler Position: 57
Sample Date/Time: Monday, February 22, 2010 19:30:22
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-13.065
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	352814.827	352814.827				ug/L
	Be	9	3.000	0.000	0.006238	0.008	125.886	ug/L
	V	51	6401.082	0.015	0.485973	0.024	4.962	ug/L
	Cu	63	2361.081	0.009	0.549154	0.015	2.804	ug/L
	Cu	65	1100.762	0.004	0.530064	0.006	1.198	ug/L
	Zn	66	2231.371	0.008	2.018734	0.052	2.557	ug/L
	Zn	68	1837.588	0.006	2.072315	0.097	4.677	ug/L
>	Ge	72	251581.236	251581.236				ug/L
	As	75	1340.925	0.005	0.979780	0.020	2.019	ug/L
	Se	77	136.336	0.000	0.070000	0.044	63.130	ug/L
	Se	82	-54.212	0.000	0.046472	0.149	319.712	ug/L
>	Rh	103	302453.678	302453.678				ug/L
	Ag	107	92.002	0.000	0.010045	0.002	17.651	ug/L
	Cd	111	16.917	0.000	0.008974	0.004	42.436	ug/L
	Cd	114	16.361	0.000	0.001823	0.002	101.784	ug/L
>	In	115	243155.004	243155.004				ug/L
	Sb	121	423.350	0.001	0.059702	0.008	12.630	ug/L
	Sb	123	329.715	0.001	0.062160	0.005	7.434	ug/L
	Tl	203	56.001	0.000	0.002244	0.001	59.433	ug/L
	Tl	205	127.002	0.000	0.002305	0.001	31.864	ug/L
	Pb	208	7942.481	0.022	0.313712	0.007	2.325	ug/L
>	Bi	209	333585.898	333585.898				ug/L

QC Calculated Values

	Analyte	*Mass*	*Int Std % Recovery*
>	Li	6.015	97.452
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	101.069
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.310
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	99.859

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	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.654

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346241.434	346241.434		ug/L
Be	9	2.000	0.000	0.001823	ug/L
V	51	6220.017	0.015	0.469234	ug/L
Cu	63	2373.418	0.009	0.557076	ug/L
Cu	65	1083.093	0.004	0.526468	ug/L
Zn	66	2214.366	0.008	2.019866	ug/L
Zn	68	1771.237	0.006	2.003689	ug/L
Ge	72	249567.117	249567.117		ug/L
As	75	1310.925	0.006	0.986104	ug/L
Se	77	137.003	0.000	0.086000	ug/L
Se	82	61.624	0.000	0.008788	ug/L
Rh	103	302690.398	302690.398		ug/L
Ag	107	93.002	0.000	0.010187	ug/L
Cd	111	24.797	0.000	0.013341	ug/L
Cd	114	22.358	0.000	0.003252	ug/L
In	115	244468.147	244468.147		ug/L
Sb	121	473.020	0.002	0.067541	ug/L
Sb	123	341.780	0.001	0.064386	ug/L
Tl	203	48.001	0.000	0.001080	ug/L
Tl	205	117.002	0.000	0.001630	ug/L
Pb	208	7966.821	0.022	0.309786	ug/L
Bi	209	338483.086	338483.086		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	352788.588	352788.588		ug/L
Be	9	5.000	0.000	0.016304	ug/L
V	51	6800.836	0.016	0.513812	ug/L
Cu	63	2284.388	0.008	0.531410	ug/L
Cu	65	1112.099	0.004	0.537398	ug/L
Zn	66	2171.352	0.008	1.966648	ug/L
Zn	68	1917.276	0.007	2.183221	ug/L
Ge	72	250987.269	250987.269		ug/L
As	75	1387.290	0.005	1.002278	ug/L
Se	77	131.003	0.000	0.019660	ug/L
Se	82	69.718	0.000	0.055777	ug/L
Rh	103	302445.333	302445.333		ug/L
Ag	107	105.002	0.000	0.011754	ug/L
Cd	111	12.172	0.000	0.006341	ug/L
Cd	114	19.146	0.000	0.002489	ug/L
In	115	241160.985	241160.985		ug/L
Sb	121	416.016	0.001	0.059084	ug/L
Sb	123	341.256	0.001	0.065266	ug/L
Tl	203	54.001	0.000	0.001908	ug/L
Tl	205	140.003	0.000	0.003087	ug/L
Pb	208	7798.753	0.022	0.309241	ug/L
Bi	209	331916.966	331916.966		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	357416.478	357416.478		ug/L
Be	9	2.000	0.000	0.001587	ug/L
V	51	6382.295	0.015	0.475072	ug/L
Cu	63	2425.438	0.008	0.558978	ug/L
Cu	65	1105.097	0.004	0.526329	ug/L
Zn	66	2308.398	0.008	2.088787	ug/L
Zn	68	1824.251	0.006	2.029826	ug/L
Ge	72	254219.323	254219.323		ug/L
As	75	1344.580	0.006	0.971966	ug/L
Se	77	141.003	0.000	0.102350	ug/L
Se	82	31.293	0.000	0.214980	ug/L
Rh	103	302225.308	302225.308		ug/L
Ag	107	78.001	0.000	0.008214	ug/L
Cd	111	13.783	0.000	0.007241	ug/L
Cd	114	7.582	0.000	-0.000374	ug/L
In	115	243838.881	243838.881		ug/L
Sb	121	381.014	0.001	0.052500	ug/L
Sb	123	308.128	0.001	0.058850	ug/L
Tl	203	66.001	0.000	0.003683	ug/L
Tl	205	124.002	0.000	0.002199	ug/L
Pb	208	8083.870	0.023	0.322139	ug/L
Bi	209	330347.843	330347.843		ug/L

99433

Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 22, 2010 19:33:51
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.066
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	352264.439	352264.439				ug/L
⌊	Be	9	7933.483	0.023	36.010847	0.253	0.701	ug/L
⌈	V	51	287429.521	1.167	37.597332	0.610	1.624	ug/L
|	Cu	63	154125.325	0.631	39.659463	0.127	0.319	ug/L
|	Cu	65	72911.645	0.298	39.203115	0.114	0.290	ug/L
|	Zn	66	39254.309	0.160	38.633171	0.401	1.038	ug/L
|	Zn	68	28780.488	0.117	38.663154	0.238	0.616	ug/L
|>	Ge	72	244109.194	244109.194				ug/L
|	As	75	51006.677	0.209	39.784675	0.772	1.941	ug/L
|	Se	77	3877.758	0.015	38.928125	0.984	2.527	ug/L
⌊	Se	82	5118.088	0.021	38.488929	0.402	1.045	ug/L
⌈>	Rh	103	302285.370	302285.370				ug/L
|	Ag	107	290340.351	0.961	38.165686	0.643	1.686	ug/L
|	Cd	111	66642.836	0.220	37.029106	0.253	0.684	ug/L
⌊	Cd	114	158520.222	0.524	37.913133	0.071	0.189	ug/L
⌈>	In	115	241611.428	241611.428				ug/L
|	Sb	121	215128.860	0.890	35.969421	1.635	4.546	ug/L
⌊	Sb	123	164766.809	0.682	35.958373	1.245	3.462	ug/L
⌈	Tl	203	272758.477	0.846	38.417476	0.474	1.233	ug/L
|	Tl	205	654453.955	2.030	38.858913	0.586	1.507	ug/L
|	Pb	208	869378.088	2.695	38.129057	0.431	1.131	ug/L
⌊>	Bi	209	322377.794	322377.794				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.300
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.067
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	101.254
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.225

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	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.272

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
0B22027-CCV	Sb	121	
0B22027-CCV	Sb	123	OK

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	353127.829	353127.829		ug/L
Be	9	7898.444	0.022	35.763581	ug/L
V	51	286510.682	1.151	37.057204	ug/L
Cu	63	155353.788	0.629	39.546594	ug/L
Cu	65	73520.158	0.298	39.106182	ug/L
Zn	66	39931.706	0.161	38.880117	ug/L
Zn	68	28890.807	0.116	38.391811	ug/L
Ge	72	246751.086	246751.086		ug/L
As	75	50818.073	0.205	39.051421	ug/L
Se	77	3810.064	0.015	37.795818	ug/L
Se	82	5111.366	0.021	38.029688	ug/L
Rh	103	305432.527	305432.527		ug/L
Ag	107	287982.480	0.943	37.480832	ug/L
Cd	111	67868.449	0.222	37.316168	ug/L
Cd	114	180023.980	0.524	37.677878	ug/L
In	115	244658.143	244658.143		ug/L
Sb	121	207887.137	0.849	34.313212	ug/L
Sb	123	160882.891	0.657	34.615406	ug/L
Tl	203	274137.227	0.838	37.978758	ug/L
Tl	205	653812.676	1.998	38.182588	ug/L
Pb	208	873843.877	2.664	37.687826	ug/L
Bi	209	327718.569	327718.569		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	352871.067	352871.067		ug/L
Be	9	7940.491	0.023	36.000582	ug/L
V	51	286199.998	1.163	37.460089	ug/L
Cu	63	153917.181	0.630	39.635828	ug/L
Cu	65	72804.682	0.298	39.175071	ug/L
Zn	66	38758.240	0.156	38.170244	ug/L
Zn	68	28887.585	0.117	38.637108	ug/L
Ge	72	243921.312	243921.312		ug/L
As	75	50680.757	0.208	39.711647	ug/L
Se	77	3938.125	0.016	39.579826	ug/L
Se	82	5137.441	0.021	38.656648	ug/L
Rh	103	303219.133	303219.133		ug/L
Ag	107	292407.988	0.964	38.314306	ug/L
Cd	111	68673.753	0.220	38.933987	ug/L
Cd	114	150814.963	0.524	37.866110	ug/L
In	115	241832.597	241832.597		ug/L
Sb	121	215868.608	0.892	36.012487	ug/L
Sb	123	166011.419	0.686	36.186248	ug/L
Tl	203	274041.662	0.857	38.919781	ug/L
Tl	205	654634.044	2.047	39.191481	ug/L
Pb	208	871700.675	2.725	38.549583	ug/L
Bi	209	319684.411	319684.411		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	350994.419	350994.419		ug/L
Be	9	7981.514	0.023	36.268378	ug/L
V	51	289577.874	1.188	38.264723	ug/L
Cu	63	153104.988	0.633	39.798268	ug/L
Cu	65	72409.883	0.299	39.328082	ug/L
Zn	66	39075.883	0.161	38.848151	ug/L
Zn	68	28563.281	0.117	38.780843	ug/L
Ge	72	241656.184	241656.184		ug/L
As	75	51523.200	0.213	40.580958	ug/L
Se	77	3885.096	0.016	39.407631	ug/L
Se	82	5105.438	0.021	38.777641	ug/L
Rh	103	298204.452	298204.452		ug/L
Ag	107	290530.589	0.975	38.721821	ug/L
Cd	111	65399.307	0.219	38.837186	ug/L
Cd	114	156721.753	0.526	37.995411	ug/L
In	115	238342.543	238342.543		ug/L
Sb	121	221820.834	0.930	37.582598	ug/L
Sb	123	167826.127	0.703	37.073468	ug/L
Tl	203	270098.542	0.845	38.353893	ug/L
Tl	205	654815.146	2.048	39.202871	ug/L
Pb	208	862789.511	2.697	38.149783	ug/L
Bi	209	319730.403	319730.403		ug/L

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Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 19:42:19
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.067
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	348097.143	348097.143				ug/L
⌊	Be	9	0.667	-0.000	-0.004343	0.005	120.436	ug/L
⌈	V	51	2251.022	-0.001	-0.037464	0.009	24.388	ug/L
|	Cu	63	163.337	0.000	0.001062	0.004	381.432	ug/L
|	Cu	65	81.668	-0.000	-0.001089	0.003	293.272	ug/L
|	Zn	66	134.336	0.000	0.013876	0.008	58.847	ug/L
|	Zn	68	263.007	0.000	0.011415	0.027	234.075	ug/L
|>	Ge	72	244879.464	244879.464				ug/L
|	As	75	5.578	-0.000	-0.031751	0.017	54.320	ug/L
|	Se	77	122.002	-0.000	-0.039321	0.091	231.503	ug/L
⌊	Se	82	-35.479	0.000	0.173866	0.123	70.950	ug/L
⌈>	Rh	103	295733.930	295733.930				ug/L
|	Ag	107	69.001	0.000	0.007231	0.001	16.477	ug/L
|	Cd	111	5.792	0.000	0.002876	0.002	61.247	ug/L
⌊	Cd	114	9.418	0.000	0.000216	0.000	231.547	ug/L
⌈>	In	115	237583.050	237583.050				ug/L
|	Sb	121	553.694	0.002	0.083522	0.007	8.651	ug/L
⌊	Sb	123	429.388	0.002	0.085944	0.001	1.515	ug/L
⌈	Tl	203	38.667	0.000	0.000063	0.001	876.685	ug/L
|	Tl	205	90.335	0.000	0.000382	0.000	116.333	ug/L
|	Pb	208	511.679	-0.000	-0.000665	0.001	140.493	ug/L
⌊>	Bi	209	322114.594	322114.594				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.148
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.377
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.059
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.570

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Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	97.193

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348449.210	348449.210		ug/L
Be	9	0.000	-0.000	0.007362	ug/L
V	51	2333.451	-0.001	-0.031083	ug/L
Cu	63	148.003	-0.000	-0.003488	ug/L
Cu	65	89.001	0.000	0.002197	ug/L
Zn	66	129.002	0.000	0.008880	ug/L
Zn	68	246.007	-0.000	-0.019688	ug/L
Ge	72	248471.217	248471.217		ug/L
As	75	21.408	-0.000	-0.018430	ug/L
Se	77	120.002	-0.000	-0.079175	ug/L
Se	82	-32.521	0.000	0.200828	ug/L
Rh	103	297464.531	297464.531		ug/L
Ag	107	85.001	0.000	0.006842	ug/L
Cd	111	2.348	0.000	0.000907	ug/L
Cd	114	8.561	-0.000	-0.000007	ug/L
In	115	238978.584	238978.554		ug/L
Sb	121	584.030	0.002	0.088099	ug/L
Sb	123	438.388	0.002	0.067378	ug/L
Tl	203	36.000	0.000	0.000354	ug/L
Tl	205	90.001	0.000	0.000320	ug/L
Pb	208	525.013	0.000	0.000280	ug/L
Bi	209	324688.807	324688.807		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342757.444	342757.444		ug/L
Be	9	0.000	-0.000	-0.007362	ug/L
V	51	2192.284	-0.001	-0.047932	ug/L
Cu	63	170.004	0.000	0.002320	ug/L
Cu	65	82.001	-0.000	-0.001263	ug/L
Zn	66	134.003	0.000	0.012197	ug/L
Zn	68	268.008	0.000	0.014440	ug/L
Ge	72	247201.262	247201.262		ug/L
As	75	14.904	0.000	-0.024389	ug/L
Se	77	117.002	-0.000	-0.100826	ug/L
Se	82	21.384	0.000	0.261513	ug/L
Rh	103	294914.986	294914.986		ug/L
Ag	107	79.001	0.000	0.006803	ug/L
Cd	111	6.288	0.000	0.004301	ug/L
Cd	114	7.988	-0.000	-0.000134	ug/L
In	115	236038.449	236038.449		ug/L
Sb	121	572.029	0.002	0.087274	ug/L
Sb	123	425.138	0.002	0.065621	ug/L
Tl	203	37.000	0.000	0.000148	ug/L
Tl	205	83.001	0.000	0.000028	ug/L
Pb	208	524.013	0.000	0.000002	ug/L
Bi	209	320438.997	320438.997		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	353084.777	353084.777		ug/L
Be	9	2.000	0.000	0.001687	ug/L
V	51	2227.320	-0.001	0.033386	ug/L
Cu	63	172.004	0.000	0.004338	ug/L
Cu	65	74.001	0.000	-0.004180	ug/L
Zn	66	140.003	0.000	0.025750	ug/L
Zn	68	275.008	0.000	0.036493	ug/L
Ge	72	238986.914	238986.914		ug/L
As	75	18.580	0.000	0.051481	ug/L
Se	77	129.002	0.000	0.064836	ug/L
Se	82	52.553	0.000	0.039258	ug/L
Rh	103	294822.272	294822.272		ug/L
Ag	107	63.001	0.000	0.006450	ug/L
Cd	111	6.738	0.000	0.003420	ug/L
Cd	114	11.724	0.000	0.000788	ug/L
In	115	237733.147	237733.147		ug/L
Sb	121	506.023	0.002	0.075192	ug/L
Sb	123	424.639	0.002	0.064834	ug/L
Tl	203	43.001	0.000	0.000599	ug/L
Tl	205	98.002	0.000	0.000853	ug/L
Pb	208	486.011	0.000	0.001733	ug/L
Bi	209	321240.979	321240.979		ug/L

99487

Sample Information

Sample ID: 1001063-BLK2
Autosampler Position: 58
Sample Date/Time: Monday, February 22, 2010 19:47:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001063-BLK2.068
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	350826.718	350826.718				ug/L
⌊	Be	9	1.667	0.000	0.000218	0.003	1177.180	ug/L
⌈	V	51	2495.585	-0.000	-0.010780	0.006	59.456	ug/L
|	Cu	63	658.037	0.002	0.125255	0.001	0.956	ug/L
|	Cu	65	299.343	0.001	0.113014	0.022	19.609	ug/L
|	Zn	66	1169.441	0.004	1.013371	0.010	0.988	ug/L
|	Zn	68	1009.081	0.003	0.996453	0.017	1.747	ug/L
|>	Ge	72	248993.064	248993.064				ug/L
|	As	75	-15.225	-0.000	-0.047463	0.017	36.058	ug/L
|	Se	77	129.336	0.000	0.013179	0.135	1021.589	ug/L
⌊	Se	82	-39.760	0.000	0.149284	0.203	135.935	ug/L
⌈>	Rh	103	302597.281	302597.281				ug/L
|	Ag	107	46.334	0.000	0.004047	0.001	19.163	ug/L
|	Cd	111	4.949	0.000	0.002352	0.003	130.195	ug/L
⌊	Cd	114	7.534	-0.000	-0.000286	0.001	251.894	ug/L
⌈>	In	115	242425.555	242425.555				ug/L
|	Sb	121	350.012	0.001	0.047712	0.004	8.563	ug/L
⌊	Sb	123	259.294	0.001	0.047031	0.006	12.698	ug/L
⌈	Tl	203	24.334	-0.000	-0.002054	0.000	9.184	ug/L
|	Tl	205	69.668	-0.000	-0.000958	0.000	14.000	ug/L
|	Pb	208	468.677	-0.000	-0.003126	0.001	42.715	ug/L
⌊>	Bi	209	331201.580	331201.580				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.902
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	100.029
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	101.358
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.559

00498

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.935

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	383983 678	383983 678		ug/L
Be	9	2 000	0 000	0 001674	ug/L
V	51	2544 175	-0 000	0 005429	ug/L
Cu	63	656 037	0 002	0 124281	ug/L
Cu	65	290 009	0 001	0 107728	ug/L
Zn	66	1165 107	0 004	1 005903	ug/L
Zn	68	1014 082	0 003	0 999238	ug/L
Ge	72	249722 758	249722 758		ug/L
As	75	1 818	-0 000	-0 034462	ug/L
Se	77	144 003	0 000	0 158080	ug/L
Se	82	-29 372	-0 000	-0 224902	ug/L
Rh	103	306224 927	306224 927		ug/L
Ag	107	51 001	0 000	0 004598	ug/L
Cd	111	-1 012	-0 000	-0 000976	ug/L
Cd	114	10 334	0 000	0 000380	ug/L
In	115	243876 504	243876 504		ug/L
Sb	121	357 012	0 001	0 048615	ug/L
Sb	123	292 380	0 001	0 053887	ug/L
Tl	203	24 000	-0 000	-0 002148	ug/L
Tl	205	69 001	-0 000	-0 001058	ug/L
Pb	208	472 011	-0 000	-0 003275	ug/L
Bi	209	336201 564	336201 564		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	351668 392	351668 392		ug/L
Be	9	2 000	0 000	0 001733	ug/L
V	51	2521 539	0 000	0 009028	ug/L
Cu	63	660 037	0 002	0 124921	ug/L
Cu	65	347 012	0 001	0 137340	ug/L
Zn	66	1187 111	0 004	1 024744	ug/L
Zn	68	1028 084	0 003	1 012298	ug/L
Ge	72	250245 583	250245 583		ug/L
As	75	-40 717	-0 000	-0 066853	ug/L
Se	77	118 002	0 000	-0 108088	ug/L
Se	82	-71 581	-0 000	-0 080597	ug/L
Rh	103	305698 402	305698 402		ug/L
Ag	107	40 001	0 000	0 003180	ug/L
Cd	111	6 187	0 000	0 002982	ug/L
Cd	114	4 334	-0 000	0 001082	ug/L
In	115	242808 001	242808 001		ug/L
Sb	121	324 011	0 001	0 043288	ug/L
Sb	123	240 264	0 001	0 042826	ug/L
Tl	203	26 000	-0 000	-0 001636	ug/L
Tl	205	69 001	-0 000	-0 001012	ug/L
Pb	208	503 012	-0 000	-0 001722	ug/L
Bi	209	332309 598	332309 598		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	346828 086	346828 086		ug/L
Be	9	1 000	0 000	-0 002751	ug/L
V	51	2421 039	-0 001	-0 017883	ug/L
Cu	63	658 037	0 002	0 126584	ug/L
Cu	65	281 007	0 001	0 093975	ug/L
Zn	66	1156 105	0 004	1 009488	ug/L
Zn	68	987 078	0 003	0 977821	ug/L
Ge	72	247010 839	247010 839		ug/L
As	75	6 776	0 000	0 041078	ug/L
Se	77	126 002	0 000	0 010437	ug/L
Se	82	-18 348	0 000	0 303548	ug/L
Rh	103	298988 514	298988 514		ug/L
Ag	107	48 001	0 000	0 004382	ug/L
Cd	111	9 673	0 000	0 005062	ug/L
Cd	114	7 934	0 000	-0 000156	ug/L
In	115	240582 156	240582 156		ug/L
Sb	121	369 013	0 001	0 051337	ug/L
Sb	123	245 251	0 001	0 044401	ug/L
Tl	203	23 000	0 000	0 002177	ug/L
Tl	205	71 001	0 000	0 000808	ug/L
Pb	208	431 009	0 000	-0 004380	ug/L
Bi	209	325093 580	325093 580		ug/L

Sample ID: 1001063-BLK2
Report Date/Time: Monday, February 22, 2010 19:49:43

Sample Information

Sample ID: 1001063-BS2
Autosampler Position: 59
Sample Date/Time: Monday, February 22, 2010 19:51:25
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001063-BS2.069
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	352840.155	352840.155				ug/L
	Be	9	3813.389	0.011	17.277134	0.283	1.638	ug/L
	V	51	145501.164	0.577	18.586616	0.370	1.991	ug/L
	Cu	63	76125.966	0.307	19.280039	0.149	0.774	ug/L
	Cu	65	35824.638	0.144	18.958202	0.312	1.646	ug/L
	Zn	66	19241.073	0.077	18.599213	0.259	1.395	ug/L
	Zn	68	13956.094	0.055	18.294216	0.223	1.217	ug/L
>	Ge	72	247755.237	247755.237				ug/L
	As	75	23617.766	0.095	18.135576	0.712	3.924	ug/L
	Se	77	1840.255	0.007	17.505625	0.059	0.335	ug/L
	Se	82	2349.609	0.010	17.653957	0.575	3.258	ug/L
>	Rh	103	302091.041	302091.041				ug/L
	Ag	107	138519.302	0.459	18.217636	0.172	0.946	ug/L
	Cd	111	31910.511	0.106	17.742715	0.125	0.707	ug/L
	Cd	114	75001.298	0.248	17.949476	0.286	1.594	ug/L
>	In	115	240755.508	240755.508				ug/L
	Sb	121	108343.735	0.450	18.166863	0.293	1.611	ug/L
	Sb	123	83473.738	0.347	18.272642	0.331	1.810	ug/L
	Tl	203	134971.985	0.412	18.714982	0.560	2.993	ug/L
	Tl	205	321538.265	0.982	18.791223	0.410	2.181	ug/L
	Pb	208	432381.666	1.319	18.657976	0.468	2.510	ug/L
>	Bi	209	327549.198	327549.198				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.459
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.532
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.189
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.873

00500

	Sb	120.904	
	Sb	122.904	
	Tl	202.972	
	Tl	204.975	
	Pb	207.977	
>	Bi	208.980	98.833

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	353777.848	353777.848		ug/L
Be	9	3838.088	0.011	17.342778	ug/L
V	51	144628.911	0.584	18.161628	ug/L
Cu	63	77037.977	0.306	19.190244	ug/L
Cu	65	35808.882	0.142	18.634747	ug/L
Zn	66	19308.254	0.076	18.354589	ug/L
Zn	68	13998.840	0.056	18.040314	ug/L
Ge	72	251880.587	251880.587		ug/L
As	75	22942.249	0.091	17.320056	ug/L
Se	77	1877.268	0.007	17.570139	ug/L
Se	82	2298.028	0.009	18.994803	ug/L
Rh	103	304430.053	304430.053		ug/L
Ag	107	138088.338	0.464	18.020443	ug/L
Cd	111	32281.717	0.108	17.800080	ug/L
Cd	114	74197.501	0.244	17.618381	ug/L
In	115	240846.010	240846.010		ug/L
Sb	121	106281.925	0.441	17.828160	ug/L
Sb	123	62411.008	0.342	18.047384	ug/L
Tl	203	134043.370	0.388	18.071728	ug/L
Tl	205	322504.040	0.956	18.328862	ug/L
Pb	208	432000.019	1.281	18.126436	ug/L
Bi	209	336708.540	336708.540		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	352747.717	352747.717		ug/L
Be	9	3744.018	0.011	16.987044	ug/L
V	51	146150.293	0.583	18.761447	ug/L
Cu	63	75431.957	0.300	18.197639	ug/L
Cu	65	35698.348	0.144	18.982476	ug/L
Zn	66	19120.749	0.077	18.571889	ug/L
Zn	68	13987.763	0.056	18.386821	ug/L
Ge	72	246534.806	246534.806		ug/L
As	75	23924.621	0.097	18.456879	ug/L
Se	77	1828.252	0.007	17.455388	ug/L
Se	82	2373.971	0.010	17.912830	ug/L
Rh	103	302107.474	302107.474		ug/L
Ag	107	139456.560	0.462	18.339214	ug/L
Cd	111	31853.541	0.105	17.598798	ug/L
Cd	114	75061.831	0.250	18.105278	ug/L
In	115	239758.714	239758.714		ug/L
Sb	121	106834.984	0.454	18.325227	ug/L
Sb	123	64858.888	0.354	18.652418	ug/L
Tl	203	135537.180	0.418	18.976780	ug/L
Tl	205	323736.980	0.998	19.106080	ug/L
Pb	208	432237.502	1.332	18.837419	ug/L
Bi	209	324191.948	324191.948		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	351994.903	351994.903		ug/L
Be	9	3858.080	0.011	17.521580	ug/L
V	51	145724.290	0.585	18.836774	ug/L
Cu	63	75907.986	0.309	19.452233	ug/L
Cu	65	35987.689	0.147	19.257388	ug/L
Zn	66	19294.216	0.078	18.671181	ug/L
Zn	68	13913.677	0.056	18.456813	ug/L
Ge	72	244850.308	244850.308		ug/L
As	75	23986.427	0.098	18.630884	ug/L
Se	77	1817.249	0.007	17.491341	ug/L
Se	82	2376.830	0.010	18.054236	ug/L
Rh	103	299735.597	299735.597		ug/L
Ag	107	138014.978	0.460	18.293252	ug/L
Cd	111	31816.274	0.106	17.829258	ug/L
Cd	114	75144.562	0.251	18.123792	ug/L
In	115	241880.799	241880.799		ug/L
Sb	121	109914.318	0.454	18.346203	ug/L
Sb	123	63151.520	0.344	18.118127	ug/L
Tl	203	135335.406	0.421	19.094439	ug/L
Tl	205	318373.784	0.988	18.935438	ug/L
Pb	208	432907.478	1.344	19.010071	ug/L
Bi	209	321748.106	321748.106		ug/L

Sample ID: 1001063-BS2
Report Date/Time: Monday, February 22, 2010 19:53:13

Sample Information

Sample ID: 1002038-14
Autosampler Position: 60
Sample Date/Time: Monday, February 22, 2010 19:59:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-14.070
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	344549.847	344549.847				ug/L
⌊	Be	9	3.000	0.000	0.006549	0.005	69.303	ug/L
⌈	V	51	4125.954	0.006	0.206623	0.028	13.538	ug/L
|	Cu	63	4973.114	0.020	1.229930	0.017	1.410	ug/L
|	Cu	65	2485.124	0.010	1.282101	0.016	1.257	ug/L
|	Zn	66	4301.004	0.017	4.094075	0.074	1.806	ug/L
|	Zn	68	3462.207	0.013	4.310513	0.056	1.300	ug/L
|>	Ge	72	246071.066	246071.066				ug/L
|	As	75	439.174	0.002	0.304337	0.034	11.021	ug/L
|	Se	77	136.336	0.000	0.101138	0.090	89.197	ug/L
⌊	Se	82	-40.266	0.000	0.141399	0.035	24.708	ug/L
⌈>	Rh	103	298360.456	298360.456				ug/L
|	Ag	107	394.015	0.001	0.050439	0.007	14.016	ug/L
|	Cd	111	64.775	0.000	0.036045	0.003	7.337	ug/L
⌊	Cd	114	166.136	0.001	0.038168	0.002	6.136	ug/L
⌈>	In	115	237922.847	237922.847				ug/L
|	Sb	121	1776.905	0.007	0.291067	0.005	1.606	ug/L
⌊	Sb	123	1366.557	0.006	0.293458	0.009	2.923	ug/L
⌈	Tl	203	73.334	0.000	0.004668	0.001	14.404	ug/L
|	Tl	205	171.337	0.000	0.004915	0.001	14.325	ug/L
|	Pb	208	108506.843	0.326	4.612643	0.074	1.606	ug/L
⌊>	Bi	209	331161.243	331161.243				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.169
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.855
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.939
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.710

00502

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.923

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	339930 108	339930 108		ug/L
Be	9	3 000	0 000	0 008794	ug/L
V	51	3919 534	0 005	0 174979	ug/L
Cu	63	4955 788	0 019	1 214307	ug/L
Cu	65	2522 471	0 010	1 290307	ug/L
Zn	66	4263 316	0 017	4 020187	ug/L
Zn	68	3529 807	0 013	4 380086	ug/L
Ge	72	248246 804	248246 804		ug/L
As	75	433 254	0 002	0 298708	ug/L
Se	77	135 003	0 000	0 074938	ug/L
Se	82	-18 638	0 000	0 155862	ug/L
Rh	103	298883 986	298883 986		ug/L
Ag	107	335 011	0 001	0 042486	ug/L
Cd	111	83 556	0 000	0 035298	ug/L
Cd	114	175 536	0 001	0 040375	ug/L
In	115	239858 431	239858 431		ug/L
Sb	121	1787 238	0 007	0 286992	ug/L
Sb	123	1421.778	0 006	0 302186	ug/L
Tl	203	77 001	0 000	0 005034	ug/L
Tl	205	186 004	0 000	0 005827	ug/L
Pb	208	108185 353	0 321	4 539079	ug/L
Bi	209	335449 402	335449 402		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	345587 039	345587 039		ug/L
Be	9	2 000	0 000	0 001893	ug/L
V	51	4172 748	0 007	0 216842	ug/L
Cu	63	5007 805	0 020	1 248580	ug/L
Cu	65	2431 438	0 010	1 263534	ug/L
Zn	66	4343 384	0 017	4 158022	ug/L
Zn	68	3443 884	0 013	4 321775	ug/L
Ge	72	244184 087	244184 087		ug/L
As	75	482 988	0 002	0 341036	ug/L
Se	77	145 003	0 000	0 201550	ug/L
Se	82	36 544	0 000	0 166758	ug/L
Rh	103	298585 905	298586 905		ug/L
Ag	107	412 016	0 001	0 052788	ug/L
Cd	111	70 043	0 000	0 038983	ug/L
Cd	114	167 282	0 001	0 038419	ug/L
In	115	237687 975	237687 975		ug/L
Sb	121	1808 246	0 007	0 298171	ug/L
Sb	123	1350 134	0 006	0 290157	ug/L
Tl	203	75 001	0 000	0 005079	ug/L
Tl	205	166 004	0 000	0 004898	ug/L
Pb	208	108335 166	0 331	4 667229	ug/L
Bi	209	325348 818	325348 818		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	349132 394	349132 394		ug/L
Be	9	4 000	0 000	0 010981	ug/L
V	51	4288 582	0 007	0 228048	ug/L
Cu	63	4955.788	0 020	1 226891	ug/L
Cu	65	2501 463	0 010	1 292462	ug/L
Zn	66	4298 335	0 017	4 094034	ug/L
Zn	68	3412 848	0 013	4 249680	ug/L
Ge	72	245782 528	245782 528		ug/L
As	75	401 299	0 001	0 275267	ug/L
Se	77	129 002	0 000	0 026927	ug/L
Se	82	45 815	0 000	0 101548	ug/L
Rh	103	297611 467	297611 467		ug/L
Ag	107	435 018	0 001	0 056037	ug/L
Cd	111	60 727	0 000	0 033856	ug/L
Cd	114	155 580	0 000	0 035711	ug/L
In	115	236221 135	236221 135		ug/L
Sb	121	1758.234	0 007	0 290037	ug/L
Sb	123	1327.759	0 006	0 287023	ug/L
Tl	203	68 001	0 000	0 003892	ug/L
Tl	205	150 003	0 000	0 004220	ug/L
Pb	208	109000 009	0 328	4 611621	ug/L
Bi	209	332665 507	332665 507		ug/L

02593

Sample Information

Sample ID: 1001063-MS2
Autosampler Position: 61
Sample Date/Time: Monday, February 22, 2010 20:03:26
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001063-MS2.071
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	345599.053	345599.053				ug/L
⌊	Be	9	3947.797	0.011	18.262150	0.324	1.772	ug/L
⌈	V	51	151369.455	0.602	19.404739	0.218	1.125	ug/L
|	Cu	63	83061.009	0.336	21.103332	0.421	1.994	ug/L
|	Cu	65	39842.547	0.161	21.148335	0.133	0.629	ug/L
|	Zn	66	25523.114	0.103	24.783483	0.602	2.429	ug/L
⌊	Zn	68	18911.526	0.076	24.983125	0.051	0.205	ug/L
|>	Ge	72	247033.904	247033.904				ug/L
|	As	75	24504.270	0.099	18.866013	0.093	0.494	ug/L
|	*Se*	*77*	*1826.252*	*0.007*	*17.416650*	*0.179*	*1.030*	*ug/L*
⌊	Se	82	2228.769	0.009	16.812357	0.265	1.577	ug/L
⌈>	Rh	103	293912.942	293912.942				ug/L
|	Ag	107	132862.294	0.452	17.959042	0.074	0.412	ug/L
|	Cd	111	31827.043	0.108	18.188327	0.299	1.644	ug/L
⌊	Cd	114	74969.051	0.255	18.439685	0.119	0.646	ug/L
⌈>	In	115	239658.180	239658.180				ug/L
|	Sb	121	111677.371	0.466	18.816210	0.333	1.767	ug/L
⌊	Sb	123	85586.332	0.357	18.821603	0.130	0.692	ug/L
⌈	Tl	203	135724.239	0.412	18.726949	0.595	3.175	ug/L
|	Tl	205	321445.168	0.977	18.695301	0.492	2.631	ug/L
|	Pb	208	729874.744	2.216	31.353815	0.500	1.595	ug/L
⌊>	Bi	209	329118.955	329118.955				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.458
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.242
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.449
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.422

99584

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.306

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344673.438	344673.438		ug/L
Be	9	3983.166	0.012	18.520868	ug/L
V	51	150884.481	0.804	19.447321	ug/L
Cu	63	84032.244	0.342	21.497138	ug/L
Cu	65	39853.268	0.162	21.301562	ug/L
Zn	66	25498.879	0.103	24.927571	ug/L
Zn	68	18822.987	0.076	25.040382	ug/L
Ge	72	245321.058	245321.058		ug/L
As	75	24382.568	0.099	18.887334	ug/L
Se	77	1817.248	0.007	17.455278	ug/L
Se	82	2213.899	0.009	18.815186	ug/L
Rh	103	294568.788	294568.788		ug/L
Ag	107	133108.113	0.452	17.962842	ug/L
Cd	111	31814.421	0.108	18.141493	ug/L
Cd	114	74790.923	0.254	18.356487	ug/L
In	115	244831.635	244831.635		ug/L
Sb	121	111788.046	0.456	18.432283	ug/L
Sb	123	86863.218	0.355	18.597518	ug/L
Tl	203	134298.110	0.400	18.166240	ug/L
Tl	205	318819.800	0.953	18.241200	ug/L
Pb	208	731580.787	2.178	30.812866	ug/L
Bi	209	335812.818	335812.818		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	347520.560	347520.560		ug/L
Be	9	3981.068	0.011	17.898213	ug/L
V	51	151336.604	0.806	19.168387	ug/L
Cu	63	82292.143	0.329	20.659988	ug/L
Cu	65	40185.123	0.160	21.080126	ug/L
Zn	66	25143.427	0.100	24.122497	ug/L
Zn	68	19123.757	0.075	24.987748	ug/L
Ge	72	249986.736	249958.736		ug/L
As	75	24861.056	0.099	18.783932	ug/L
Se	77	1863.262	0.007	17.573530	ug/L
Se	82	2218.622	0.009	18.549754	ug/L
Rh	103	294120.193	294120.193		ug/L
Ag	107	133524.787	0.454	18.035965	ug/L
Cd	111	32408.683	0.110	18.507988	ug/L
Cd	114	75575.866	0.257	18.575864	ug/L
In	115	237787.584	237787.584		ug/L
Sb	121	111989.864	0.471	19.009832	ug/L
Sb	123	85536.081	0.360	18.957396	ug/L
Tl	203	134598.672	0.411	18.665972	ug/L
Tl	205	318626.787	0.973	18.626806	ug/L
Pb	208	728283.573	2.223	31.449806	ug/L
Bi	209	327340.622	327340.622		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344603.163	344603.163		ug/L
Be	9	3958.137	0.011	18.366367	ug/L
V	51	152117.282	0.808	19.588530	ug/L
Cu	63	82658.641	0.330	21.152992	ug/L
Cu	65	39469.251	0.160	21.083318	ug/L
Zn	66	25929.238	0.106	25.300380	ug/L
Zn	68	18787.884	0.075	24.941236	ug/L
Ge	72	245823.916	245823.916		ug/L
As	75	24489.186	0.099	18.946772	ug/L
Se	77	1798.244	0.007	17.221142	ug/L
Se	82	2253.786	0.009	17.078131	ug/L
Rh	103	293058.868	293058.868		ug/L
Ag	107	131963.982	0.450	17.886320	ug/L
Cd	111	31256.028	0.107	17.915502	ug/L
Cd	114	74540.334	0.254	18.367883	ug/L
In	115	236356.322	236356.322		ug/L
Sb	121	111276.172	0.471	19.006534	ug/L
Sb	123	84358.700	0.357	18.809899	ug/L
Tl	203	138274.936	0.426	19.349833	ug/L
Tl	205	325787.138	1.004	19.217899	ug/L
Pb	208	729750.903	2.248	31.799981	ug/L
Bi	209	324403.225	324403.225		ug/L

00505

Sample Information

Sample ID: 1001063-MSD2
Autosampler Position: 62
Sample Date/Time: Monday, February 22, 2010 20:11:56
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001063-MSD2.072
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	343124.855	343124.855				ug/L
⌊	Be	9	3696.994	0.011	17.226553	0.364	2.116	ug/L
⌈	V	51	144646.859	0.580	18.696143	0.218	1.168	ug/L
|	Cu	63	77595.710	0.316	19.887421	0.432	2.173	ug/L
|	Cu	65	37134.322	0.151	19.883343	0.133	0.667	ug/L
|	Zn	66	23048.693	0.094	22.566469	0.162	0.717	ug/L
|	Zn	68	17198.522	0.069	22.894387	0.308	1.347	ug/L
|>	Ge	72	244849.414	244849.414				ug/L
|	As	75	22693.425	0.092	17.625238	0.228	1.296	ug/L
|	Se	77	1689.883	0.006	16.175703	0.342	2.113	ug/L
⌊	Se	82	2135.687	0.009	16.267214	0.132	0.813	ug/L
⌈>	Rh	103	293504.123	293504.123				ug/L
|	Ag	107	125446.776	0.427	16.982758	0.576	3.394	ug/L
|	Cd	111	30275.991	0.103	17.327949	0.420	2.425	ug/L
⌊	Cd	114	69536.176	0.237	17.128093	0.218	1.274	ug/L
⌈>	In	115	239498.726	239498.726				ug/L
|	Sb	121	104430.931	0.436	17.602581	0.057	0.322	ug/L
⌊	Sb	123	80591.663	0.336	17.734124	0.170	0.959	ug/L
⌈	Tl	203	127635.928	0.386	17.534249	0.499	2.844	ug/L
|	Tl	205	302568.115	0.916	17.525087	0.664	3.788	ug/L
|	Pb	208	669886.324	2.026	28.654162	0.741	2.585	ug/L
⌊>	Bi	209	330583.811	330583.811				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.775
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.365
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.312
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.357

00596

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.748

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343740.022	343740.022		ug/L
Be	9	3667.973	0.011	17.011527	ug/L
V	51	144567.707	0.580	18.668293	ug/L
Cu	63	78423.422	0.311	19.588106	ug/L
Cu	65	36801.443	0.150	19.742884	ug/L
Zn	66	22877.807	0.083	22.380420	ug/L
Zn	68	16948.256	0.066	22.538383	ug/L
Ge	72	245043.778	245043.778		ug/L
As	75	23008.629	0.094	17.656887	ug/L
Se	77	1672.212	0.006	15.977758	ug/L
Se	82	2158.849	0.009	16.411226	ug/L
Rh	103	294164.982	294164.982		ug/L
Ag	107	122724.529	0.417	16.574422	ug/L
Cd	111	29703.467	0.101	16.980471	ug/L
Cd	114	69298.650	0.236	17.027788	ug/L
In	115	238044.752	238044.752		ug/L
Sb	121	104176.223	0.437	17.669794	ug/L
Sb	123	80184.734	0.337	17.751581	ug/L
Tl	203	127405.470	0.375	17.008877	ug/L
Tl	205	297823.066	0.876	16.786899	ug/L
Pb	208	669282.584	1.967	27.819410	ug/L
Bi	209	340028.519	340028.519		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	338791.770	338791.770		ug/L
Be	9	3740.016	0.011	17.847383	ug/L
V	51	145312.114	0.588	18.827070	ug/L
Cu	63	76921.389	0.324	20.379300	ug/L
Cu	65	36887.370	0.151	19.900694	ug/L
Zn	66	22954.052	0.084	22.644033	ug/L
Zn	68	17182.814	0.070	23.048571	ug/L
Ge	72	243013.121	243013.121		ug/L
As	75	22515.929	0.092	17.618083	ug/L
Se	77	1715.223	0.007	16.570318	ug/L
Se	82	2115.971	0.009	16.239439	ug/L
Rh	103	295136.676	295136.676		ug/L
Ag	107	124299.427	0.421	16.731887	ug/L
Cd	111	30288.182	0.103	17.237398	ug/L
Cd	114	69314.387	0.235	16.977893	ug/L
In	115	241769.502	241769.502		ug/L
Sb	121	105297.498	0.435	17.581787	ug/L
Sb	123	80642.858	0.333	17.556056	ug/L
Tl	203	128908.049	0.396	18.000881	ug/L
Tl	205	308741.329	0.940	17.997561	ug/L
Pb	208	672308.234	2.066	29.232808	ug/L
Bi	209	325079.981	325079.981		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346843.773	346843.773		ug/L
Be	9	3692.981	0.011	17.020748	ug/L
V	51	144070.757	0.574	18.493088	ug/L
Cu	63	77442.319	0.314	19.713858	ug/L
Cu	65	37814.153	0.152	20.006580	ug/L
Zn	66	23314.219	0.094	22.674954	ug/L
Zn	68	17463.497	0.070	23.095208	ug/L
Ge	72	246491.343	246491.343		ug/L
As	75	22554.720	0.091	17.399945	ug/L
Se	77	1682.216	0.006	15.979033	ug/L
Se	82	2134.240	0.009	16.150975	ug/L
Rh	103	291210.512	291210.512		ug/L
Ag	107	129316.371	0.444	17.841996	ug/L
Cd	111	30836.326	0.106	17.785880	ug/L
Cd	114	70006.491	0.240	17.378518	ug/L
In	115	238681.924	238681.924		ug/L
Sb	121	103819.078	0.428	17.558162	ug/L
Sb	123	81047.397	0.335	17.884757	ug/L
Tl	203	126586.263	0.387	17.923408	ug/L
Tl	205	304039.850	0.931	17.811710	ug/L
Pb	208	668100.154	2.044	28.910488	ug/L
Bi	209	326842.931	326842.931		ug/L

Sample ID: 1001063-MSD2
Report Date/Time: Monday, February 22, 2010 20:13:43

00597

Sample Information

Sample ID: 0B22027-SRD4
Autosampler Position: 63
Sample Date/Time: Monday, February 22, 2010 20:20:25
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-SRD4.073
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	340639.432	340639.432				ug/L
⌊	Be	9	2.667	0.000	0.005172	0.003	54.049	ug/L
⌈	V	51	2688.907	0.000	0.016046	0.004	25.915	ug/L
|	Cu	63	1148.771	0.004	0.250631	0.007	2.749	ug/L
|	Cu	65	549.693	0.002	0.246725	0.012	4.859	ug/L
|	Zn	66	1000.413	0.004	0.854677	0.031	3.645	ug/L
|	Zn	68	975.076	0.003	0.957987	0.008	0.786	ug/L
|>	Ge	72	247726.416	247726.416				ug/L
|	As	75	47.508	0.000	0.000627	0.031	4969.083	ug/L
|	Se	77	135.336	0.000	0.081269	0.023	28.405	ug/L
⌊	Se	82	-36.807	0.000	0.169203	0.174	102.599	ug/L
⌈>	Rh	103	298956.836	298956.836				ug/L
|	Ag	107	140.336	0.000	0.016617	0.002	9.628	ug/L
|	Cd	111	13.793	0.000	0.007328	0.001	17.694	ug/L
⌊	Cd	114	40.823	0.000	0.007787	0.001	6.759	ug/L
⌈>	In	115	239523.781	239523.781				ug/L
|	Sb	121	422.017	0.001	0.060548	0.003	4.753	ug/L
⌊	Sb	123	322.924	0.001	0.061664	0.008	12.558	ug/L
⌈	Tl	203	37.334	-0.000	-0.000173	0.001	730.933	ug/L
|	Tl	205	86.335	0.000	0.000100	0.000	466.715	ug/L
|	Pb	208	22461.019	0.067	0.954539	0.016	1.676	ug/L
⌊>	Bi	209	325006.521	325006.521				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.089
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.520
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.139
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.367

00508

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.065

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343636 200	343636 200		ug/L
Be	9	2 000	0 000	0 001946	ug/L
V	51	2681 391	0 001	0 018758	ug/L
Cu	63	1121 099	0 004	0 245022	ug/L
Cu	65	544 026	0 002	0 245103	ug/L
Zn	66	966 074	0 003	0 819081	ug/L
Zn	68	969 076	0 003	0 956274	ug/L
Ge	72	246523 422	246523 422		ug/L
As	75	1 926	0 000	0 034358	ug/L
Se	77	137 003	0 000	0 105107	ug/L
Se	82	32 435	0 000	0 199588	ug/L
Rh	103	298480 639	298480 639		ug/L
Ag	107	150 005	0 000	0 017827	ug/L
Cd	111	15 043	0 000	0 008046	ug/L
Cd	114	42 716	0 000	0 008280	ug/L
In	115	238180 536	238180 536		ug/L
Sb	121	437 018	0 002	0 063504	ug/L
Sb	123	310 508	0 001	0 056387	ug/L
Tl	203	47 001	0 000	0 001184	ug/L
Tl	205	88 001	0 000	0 000088	ug/L
Pb	208	22308 887	0 087	0 945843	ug/L
Bi	209	325697 171	325697 171		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	337100 488	337100 488		ug/L
Be	9	3 000	0 000	0 006870	ug/L
V	51	2714 622	0 001	0 019802	ug/L
Cu	63	1139 102	0 004	0 248550	ug/L
Cu	65	573 029	0 002	0 259444	ug/L
Zn	66	1022 083	0 004	0 877028	ug/L
Zn	68	980 077	0 003	0 966228	ug/L
Ge	72	247428 947	247428 947		ug/L
As	75	79 467	0 000	0 025350	ug/L
Se	77	133 003	0 000	0 056020	ug/L
Se	82	-15 371	0 000	0 325807	ug/L
Rh	103	301388 010	301388 010		ug/L
Ag	107	128 002	0 000	0 014834	ug/L
Cd	111	15 288	0 000	0 008101	ug/L
Cd	114	38 798	0 000	0 007220	ug/L
In	115	236914 128	236914 128		ug/L
Sb	121	401 015	0 001	0 057755	ug/L
Sb	123	290 506	0 001	0 056307	ug/L
Tl	203	29 000	0 000	0 001351	ug/L
Tl	205	79 001	0 000	-0 000348	ug/L
Pb	208	22312 884	0 087	0 944778	ug/L
Bi	209	328102 033	328102 033		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	341181 608	341181 608		ug/L
Be	9	3 000	0 000	0 006700	ug/L
V	51	2670 708	0 000	0 011578	ug/L
Cu	63	1166 110	0 004	0 258322	ug/L
Cu	65	532 025	0 002	0 236830	ug/L
Zn	66	1029 083	0 004	0 887813	ug/L
Zn	68	976 076	0 003	0 951461	ug/L
Ge	72	249226 878	249226 878		ug/L
As	75	81 130	0 000	0 010889	ug/L
Se	77	136 003	0 000	0 079882	ug/L
Se	82	42 616	0 000	0 017584	ug/L
Rh	103	297001 858	297001 858		ug/L
Ag	107	143 003	0 000	0 017060	ug/L
Cd	111	11 048	0 000	0 006579	ug/L
Cd	114	40 953	0 000	0 007882	ug/L
In	115	243496 876	243496 876		ug/L
Sb	121	429 017	0 001	0 060388	ug/L
Sb	123	367 761	0 001	0 070289	ug/L
Tl	203	36 000	0 000	0 000332	ug/L
Tl	205	94 002	0 000	3 000580	ug/L
Pb	208	22760 476	0 089	0 972997	ug/L
Bi	209	323220 360	323220 360		ug/L

00509

Sample Information

Sample ID: 1001063-PS2
Autosampler Position: 64
Sample Date/Time: Monday, February 22, 2010 20:23:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001063-PS2.074
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	343260.103	343260.103				ug/L
⌊	Be	9	3979.148	0.012	18.531759	0.233	1.258	ug/L
⌈	V	51	150525.433	0.606	19.508251	0.321	1.646	ug/L
|	Cu	63	81886.935	0.334	21.031782	0.576	2.738	ug/L
|	Cu	65	38382.906	0.157	20.596604	0.482	2.338	ug/L
|	Zn	66	22588.898	0.092	22.155431	0.342	1.543	ug/L
|	Zn	68	16775.178	0.068	22.365247	0.102	0.454	ug/L
|>	Ge	72	244393.255	244393.255				ug/L
|	As	75	25122.378	0.103	19.553619	0.259	1.325	ug/L
|	Se	77	1940.617	0.007	18.810023	0.848	4.507	ug/L
⌊	Se	82	2435.059	0.010	18.523125	0.403	2.173	ug/L
⌈>	Rh	103	298370.039	298370.039				ug/L
|	Ag	107	139147.671	0.466	18.528069	0.060	0.324	ug/L
|	Cd	111	32286.032	0.108	18.175820	0.106	0.584	ug/L
⌊	Cd	114	75263.727	0.252	18.235243	0.089	0.490	ug/L
⌈>	In	115	234555.918	234555.918				ug/L
|	Sb	121	106723.633	0.455	18.368158	0.317	1.724	ug/L
⌊	Sb	123	81752.163	0.348	18.367679	0.130	0.707	ug/L
⌈	Tl	203	136984.421	0.414	18.786736	0.404	2.150	ug/L
|	Tl	205	324895.910	0.981	18.780239	0.224	1.194	ug/L
|	Pb	208	547525.228	1.652	23.375778	0.496	2.121	ug/L
⌊>	Bi	209	331115.424	331115.424				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.812
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.181
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.942
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	96.327

00510

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.909

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	343868.271	343858.271		ug/L
Be	9	3928.119	0.011	18.272689	ug/L
V	51	149812.883	0.594	19.136173	ug/L
Cu	63	81654.888	0.329	20.663884	ug/L
Cu	65	38100.726	0.153	20.144324	ug/L
Zn	66	22731.339	0.091	21.972008	ug/L
Zn	68	16941.238	0.067	22.258063	ug/L
Ge	72	247978.457	247878.457		ug/L
As	75	25312.423	0.102	19.414562	ug/L
Se	77	1947.285	0.007	18.582256	ug/L
Se	82	2429.917	0.010	18.220857	ug/L
Rh	103	297040.413	297040.413		ug/L
Ag	107	138997.771	0.468	18.580716	ug/L
Cd	111	32300.714	0.109	18.284875	ug/L
Cd	114	74819.068	0.253	18.233370	ug/L
In	115	234049.236	234049.236		ug/L
Sb	121	104388.287	0.446	18.005169	ug/L
Sb	123	81183.051	0.347	18.279588	ug/L
Tl	203	137298.367	0.403	18.321069	ug/L
Tl	205	326261.151	0.958	18.521319	ug/L
Pb	208	550868.672	1.616	22.883471	ug/L
Bi	209	340189.941	340189.941		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	343736.876	343736.876		ug/L
Be	9	4028.175	0.012	18.724774	ug/L
V	51	151808.382	0.610	19.661986	ug/L
Cu	63	80701.129	0.330	20.738140	ug/L
Cu	65	38284.600	0.156	20.542575	ug/L
Zn	66	22973.114	0.094	22.548949	ug/L
Zn	68	16833.982	0.068	22.459904	ug/L
Ge	72	244225.447	244225.447		ug/L
As	75	24902.708	0.102	19.393861	ug/L
Se	77	1871.284	0.007	18.098456	ug/L
Se	82	2413.078	0.010	18.368631	ug/L
Rh	103	300825.088	300825.088		ug/L
Ag	107	139910.338	0.486	18.471181	ug/L
Cd	111	32353.158	0.108	18.058458	ug/L
Cd	114	76282.418	0.253	18.325628	ug/L
In	115	233682.702	233682.702		ug/L
Sb	121	107599.444	0.460	18.568492	ug/L
Sb	123	81174.959	0.347	18.308348	ug/L
Tl	203	136477.848	0.419	19.041890	ug/L
Tl	205	321436.489	0.988	18.905398	ug/L
Pb	208	549658.453	1.688	23.874919	ug/L
Bi	209	325380.325	325380.325		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	342384.161	342384.161		ug/L
Be	9	3983.150	0.012	18.597816	ug/L
V	51	150056.038	0.612	19.723711	ug/L
Cu	63	83304.780	0.348	21.695611	ug/L
Cu	65	38783.392	0.161	21.102912	ug/L
Zn	66	22082.240	0.091	21.944442	ug/L
Zn	68	16560.317	0.068	22.377784	ug/L
Ge	72	240977.861	240977.861		ug/L
As	75	25152.008	0.104	19.852623	ug/L
Se	77	2003.301	0.008	19.748358	ug/L
Se	82	2462.784	0.010	18.980088	ug/L
Rh	103	297144.617	297144.617		ug/L
Ag	107	138534.904	0.486	18.522302	ug/L
Cd	111	32204.223	0.108	18.204025	ug/L
Cd	114	74568.695	0.251	18.146833	ug/L
In	115	235935.817	235935.817		ug/L
Sb	121	108183.168	0.458	18.510812	ug/L
Sb	123	82698.478	0.351	18.516808	ug/L
Tl	203	137177.058	0.418	18.997219	ug/L
Tl	205	323990.089	0.988	18.914000	ug/L
Pb	208	542048.658	1.652	23.356945	ug/L
Bi	209	327796.008	327796.008		ug/L

99511

Sample Information

Sample ID: 1002038-15
Autosampler Position: 65
Sample Date/Time: Monday, February 22, 2010 20:32:24
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-15.075
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	316338.584	316338.584				ug/L
	Be	9	1.667	0.000	0.001069	0.006	547.347	ug/L
	V	51	3859.384	0.005	0.174326	0.015	8.321	ug/L
	Cu	63	535.692	0.002	0.096704	0.008	8.331	ug/L
	Cu	65	239.340	0.001	0.083603	0.007	8.085	ug/L
	Zn	66	999.080	0.004	0.865211	0.017	2.018	ug/L
	Zn	68	910.067	0.003	0.885933	0.016	1.832	ug/L
>	Ge	72	244755.185	244755.185				ug/L
	As	75	100.458	0.000	0.042398	0.024	57.256	ug/L
	Se	77	145.336	0.000	0.201526	0.035	17.348	ug/L
	Se	82	-36.692	0.000	0.166086	0.068	41.199	ug/L
>	Rh	103	302425.266	302425.266				ug/L
	Ag	107	88.668	0.000	0.009605	0.001	10.497	ug/L
	Cd	111	5.582	0.000	0.002688	0.002	79.567	ug/L
	Cd	114	8.350	-0.000	-0.000090	0.001	657.650	ug/L
>	In	115	239101.660	239101.660				ug/L
	Sb	121	341.678	0.001	0.047086	0.004	9.098	ug/L
	Sb	123	276.255	0.001	0.051560	0.004	7.445	ug/L
	Tl	203	30.000	-0.000	-0.001288	0.001	54.899	ug/L
	Tl	205	67.334	-0.000	-0.001105	0.000	31.041	ug/L
	Pb	208	710.354	0.001	0.007144	0.002	33.038	ug/L
>	Bi	209	332026.619	332026.619				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	87.376
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.327
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.300
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.194

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Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	100.184

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	312892.839	312892.839		ug/L
Be	9	1.000	-0.000	-0.002248	ug/L
V	51	3853.772	0.008	0.174813	ug/L
Cu	63	520.024	0.001	0.091988	ug/L
Cu	65	256.007	0.001	0.091333	ug/L
Zn	66	1023.083	0.004	0.883738	ug/L
Zn	68	905.088	0.003	0.872692	ug/L
Ge	72	248013.273	248013.273		ug/L
As	75	99.744	0.000	0.033662	ug/L
Se	77	144.003	0.000	0.180077	ug/L
Se	82	-28.356	0.000	0.243930	ug/L
Rh	103	303879.328	303879.328		ug/L
Ag	107	98.002	0.000	0.010512	ug/L
Cd	111	1.963	0.000	0.000877	ug/L
Cd	114	5.953	-0.000	-0.000871	ug/L
In	115	241022.834	241022.834		ug/L
Sb	121	373.013	0.001	0.051887	ug/L
Sb	123	284.380	0.001	0.056053	ug/L
Tl	203	28.000	0.000	-0.001569	ug/L
Tl	205	73.001	-0.000	-0.000809	ug/L
Pb	208	676.020	0.000	0.005458	ug/L
Bi	209	334452.227	334452.227		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	315846.154	315846.154		ug/L
Be	9	3.000	0.000	0.007829	ug/L
V	51	3953.250	0.008	0.188529	ug/L
Cu	63	516.024	0.001	0.092118	ug/L
Cu	65	233.008	0.001	0.080888	ug/L
Zn	66	993.079	0.004	0.862639	ug/L
Zn	68	903.088	0.003	0.880804	ug/L
Ge	72	243884.072	243884.072		ug/L
As	75	135.262	0.000	0.059833	ug/L
Se	77	143.003	0.000	0.182634	ug/L
Se	82	-43.398	0.000	0.115442	ug/L
Rh	103	302384.851	302384.851		ug/L
Ag	107	90.001	0.000	0.009786	ug/L
Cd	111	5.168	0.000	0.002452	ug/L
Cd	114	8.298	-0.000	-0.000103	ug/L
In	115	238238.364	238238.364		ug/L
Sb	121	332.011	0.001	0.045878	ug/L
Sb	123	256.630	0.001	0.047481	ug/L
Tl	203	36.000	0.000	0.000481	ug/L
Tl	205	61.001	0.000	-0.001480	ug/L
Pb	208	669.018	0.000	0.008133	ug/L
Bi	209	333024.785	333024.785		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	320478.788	320478.788		ug/L
Be	9	1.000	-0.000	0.002372	ug/L
V	51	3741.129	0.008	0.156634	ug/L
Cu	63	571.029	0.002	0.108007	ug/L
Cu	65	230.008	0.001	0.078807	ug/L
Zn	66	981.077	0.004	0.849089	ug/L
Zn	68	922.089	0.003	0.904104	ug/L
Ge	72	244388.209	244388.209		ug/L
As	75	76.388	0.000	0.023700	ug/L
Se	77	149.003	0.000	0.241887	ug/L
Se	82	40.325	0.000	0.139886	ug/L
Rh	103	301011.623	301011.623		ug/L
Ag	107	80.001	0.000	0.008618	ug/L
Cd	111	9.594	0.000	0.004804	ug/L
Cd	114	10.798	0.000	0.000508	ug/L
In	115	238043.781	238043.781		ug/L
Sb	121	320.010	0.001	0.043685	ug/L
Sb	123	277.756	0.001	0.052177	ug/L
Tl	203	26.000	-0.000	-0.001798	ug/L
Tl	205	58.001	0.000	0.001029	ug/L
Pb	208	766.024	0.001	0.009842	ug/L
Bi	209	328602.846	328602.846		ug/L

00513

Sample Information

Sample ID: 1002038-16
Autosampler Position: 66
Sample Date/Time: Monday, February 22, 2010 20:35:54
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-16.076
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	337482.780	337482.780				ug/L
⌊	Be	9	3.333	0.000	0.008467	0.010	115.713	ug/L
⌈	V	51	7179.116	0.019	0.604846	0.008	1.253	ug/L
|	Cu	63	1221.450	0.004	0.270829	0.013	4.809	ug/L
|	Cu	65	577.696	0.002	0.263252	0.012	4.559	ug/L
|	Zn	66	1176.776	0.004	1.032021	0.076	7.389	ug/L
|	Zn	68	1255.456	0.004	1.341355	0.006	0.415	ug/L
|>	Ge	72	246409.088	246409.088				ug/L
|	As	75	1412.251	0.006	1.056277	0.054	5.121	ug/L
|	Se	77	145.670	0.000	0.194886	0.079	40.530	ug/L
⌊	Se	82	-45.130	0.000	0.105825	0.163	154.155	ug/L
⌈>	Rh	103	298966.159	298966.159				ug/L
|	Ag	107	106.335	0.000	0.012093	0.001	6.089	ug/L
|	Cd	111	13.434	0.000	0.007126	0.001	16.863	ug/L
⌊	Cd	114	30.541	0.000	0.005293	0.001	24.283	ug/L
⌈>	In	115	243358.256	243358.256				ug/L
|	Sb	121	370.680	0.001	0.050922	0.001	2.168	ug/L
⌊	Sb	123	316.966	0.001	0.059305	0.003	5.098	ug/L
⌈	Tl	203	51.001	0.000	0.001702	0.001	48.850	ug/L
|	Tl	205	110.335	0.000	0.001474	0.000	31.982	ug/L
|	Pb	208	23583.373	0.071	0.997581	0.034	3.392	ug/L
⌊>	Bi	209	327039.350	327039.350				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.217
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.991
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.142
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.942

90514

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	98.679

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	324015.191	324015.191		ug/L
Be	9	4.000	0.000	0.012381	ug/L
V	51	7258.310	0.019	0.613542	ug/L
Cu	63	1223.117	0.004	0.270208	ug/L
Cu	65	581.029	0.002	0.263997	ug/L
Zn	66	1214.118	0.004	1.055227	ug/L
Zn	68	1261.124	0.004	1.343882	ug/L
Ge	72	247184.703	247184.703		ug/L
As	75	1238.089	0.006	0.995852	ug/L
Se	77	154.003	0.000	0.275486	ug/L
Se	82	47.863	0.000	0.068409	ug/L
Rh	103	301142.981	301142.981		ug/L
Ag	107	102.002	0.000	0.011417	ug/L
Cd	111	14.186	0.000	0.007482	ug/L
Cd	114	36.382	0.000	0.008643	ug/L
In	115	247779.494	247779.494		ug/L
Sb	121	370.013	0.001	0.049703	ug/L
Sb	123	329.799	0.001	0.080826	ug/L
Tl	203	48.001	0.000	0.001081	ug/L
Tl	205	112.002	0.000	0.001368	ug/L
Pb	208	23471.334	0.068	0.958473	ug/L
Bi	209	337903.117	337903.117		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	341730.983	341730.983		ug/L
Be	9	1.000	0.000	-0.002682	ug/L
V	51	7073.088	0.019	0.599561	ug/L
Cu	63	1262.124	0.005	0.284153	ug/L
Cu	65	594.031	0.002	0.274858	ug/L
Zn	66	1077.092	0.004	0.944797	ug/L
Zn	68	1239.120	0.004	1.335010	ug/L
Ge	72	244126.138	244126.138		ug/L
As	75	1421.382	0.006	1.073588	ug/L
Se	77	144.003	0.000	0.191534	ug/L
Se	82	44.436	0.000	0.108037	ug/L
Rh	103	297464.531	297464.531		ug/L
Ag	107	105.002	0.000	0.011986	ug/L
Cd	111	10.980	0.000	0.006787	ug/L
Cd	114	25.388	0.000	0.004083	ug/L
In	115	242403.832	242403.832		ug/L
Sb	121	371.013	0.001	0.051207	ug/L
Sb	123	324.833	0.001	0.081267	ug/L
Tl	203	48.001	0.000	0.001403	ug/L
Tl	205	117.002	0.000	0.001993	ug/L
Pb	208	23418.197	0.071	1.009180	ug/L
Bi	209	320804.338	320804.338		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348702.187	348702.187		ug/L
Be	9	5.000	0.000	0.015702	ug/L
V	51	7195.942	0.019	0.601348	ug/L
Cu	63	1179.109	0.004	0.258128	ug/L
Cu	65	556.027	0.002	0.250884	ug/L
Zn	66	1239.120	0.005	1.086039	ug/L
Zn	68	1268.125	0.004	1.345374	ug/L
Ge	72	247918.428	247918.428		ug/L
As	75	1477.275	0.008	1.099584	ug/L
Se	77	139.003	0.000	0.117628	ug/L
Se	82	23.293	0.000	0.267841	ug/L
Rh	103	298280.956	298280.956		ug/L
Ag	107	112.002	0.000	0.012878	ug/L
Cd	111	15.148	0.000	0.008110	ug/L
Cd	114	29.871	0.000	0.008153	ug/L
In	115	239881.642	239881.642		ug/L
Sb	121	371.013	0.001	0.051856	ug/L
Sb	123	298.508	0.001	0.055824	ug/L
Tl	203	57.001	0.000	0.002841	ug/L
Tl	205	102.002	0.000	0.001071	ug/L
Pb	208	23680.588	0.072	1.024092	ug/L
Bi	209	322310.594	322310.594		ug/L

00515

Sample Information

Sample ID: 1002038-17
Autosampler Position: 67
Sample Date/Time: Monday, February 22, 2010 20:39:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-17.077
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	345950.768	345950.768				ug/L
	Be	9	4.667	0.000	0.014289	0.010	69.247	ug/L
	V	51	7242.608	0.019	0.614312	0.001	0.161	ug/L
	Cu	63	1090.428	0.004	0.237614	0.009	3.788	ug/L
	Cu	65	548.360	0.002	0.247963	0.012	5.013	ug/L
	Zn	66	1600.195	0.006	1.448600	0.043	2.935	ug/L
	Zn	68	1445.494	0.005	1.599026	0.026	1.651	ug/L
>	Ge	72	246109.383	246109.383				ug/L
	As	75	1727.447	0.007	1.301632	0.003	0.263	ug/L
	Se	77	120.669	-0.000	-0.060250	0.059	98.258	ug/L
	Se	82	-67.002	-0.000	-0.054435	0.212	389.004	ug/L
>	Rh	103	297804.972	297804.972				ug/L
	Ag	107	68.334	0.000	0.007079	0.001	7.478	ug/L
	Cd	111	12.883	0.000	0.006835	0.003	44.392	ug/L
	Cd	114	20.880	0.000	0.002980	0.001	45.422	ug/L
>	In	115	240327.204	240327.204				ug/L
	Sb	121	302.343	0.001	0.040209	0.002	5.636	ug/L
	Sb	123	226.544	0.001	0.040366	0.001	3.570	ug/L
	Tl	203	52.001	0.000	0.001866	0.001	67.223	ug/L
	Tl	205	114.002	0.000	0.001711	0.001	39.649	ug/L
	Pb	208	25144.828	0.075	1.067697	0.028	2.668	ug/L
>	Bi	209	326210.242	326210.242				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.556
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.871
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.753
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.697

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.429

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342212.208	342212.208		ug/L
Be	9	7.000	0.000	0.025351	ug/L
V	51	7263.514	0.019	0.814136	ug/L
Cu	63	1111.098	0.004	0.242077	ug/L
Cu	65	528.025	0.002	0.236182	ug/L
Zn	66	1633.203	0.006	1.475853	ug/L
Zn	68	1458.163	0.005	1.609818	ug/L
Ge	72	246886.981	246886.981		ug/L
As	75	1726.429	0.007	1.298270	ug/L
Se	77	117.002	0.000	0.102002	ug/L
Se	82	-75.757	-0.000	-0.116548	ug/L
Rh	103	294884.775	294884.775		ug/L
Ag	107	72.001	0.000	0.007881	ug/L
Cd	111	7.074	0.000	0.003610	ug/L
Cd	114	16.634	0.000	0.001881	ug/L
In	115	243191.888	243191.888		ug/L
Sb	121	297.008	0.001	0.038718	ug/L
Sb	123	221.628	0.001	0.038708	ug/L
Tl	203	46.001	0.000	0.000866	ug/L
Tl	205	110.002	0.000	0.001308	ug/L
Pb	208	25033.213	0.073	1.035708	ug/L
Bi	209	334440.708	334440.708		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344064.842	344064.842		ug/L
Be	9	4.000	0.000	0.011231	ug/L
V	51	7301.503	0.019	0.815378	ug/L
Cu	63	1121.098	0.004	0.243610	ug/L
Cu	65	560.027	0.002	0.246781	ug/L
Zn	66	1561.186	0.006	1.399808	ug/L
Zn	68	1433.158	0.005	1.566916	ug/L
Ge	72	247833.624	247833.624		ug/L
As	75	1739.430	0.007	1.301617	ug/L
Se	77	119.002	0.000	0.086248	ug/L
Se	82	-90.829	-0.000	-0.226728	ug/L
Rh	103	298008.386	298008.386		ug/L
Ag	107	65.001	0.000	0.006828	ug/L
Cd	111	17.836	0.000	0.009834	ug/L
Cd	114	27.245	0.000	0.004522	ug/L
In	115	238891.628	238891.628		ug/L
Sb	121	316.010	0.001	0.042816	ug/L
Sb	123	229.377	0.001	0.041280	ug/L
Tl	203	49.001	0.000	0.001471	ug/L
Tl	205	107.002	0.000	0.001329	ug/L
Pb	208	25223.598	0.076	1.077063	ug/L
Bi	209	324320.598	324320.598		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	351588.454	351588.454		ug/L
Be	9	3.000	0.000	0.008294	ug/L
V	51	7162.808	0.019	0.813423	ug/L
Cu	63	1039.089	0.004	0.227254	ug/L
Cu	65	567.029	0.002	0.260958	ug/L
Zn	66	1606.197	0.006	1.470338	ug/L
Zn	68	1445.161	0.005	1.618245	ug/L
Ge	72	243627.534	243627.534		ug/L
As	75	1714.482	0.007	1.305108	ug/L
Se	77	126.002	0.000	0.097501	ug/L
Se	82	-34.419	0.000	0.181987	ug/L
Rh	103	300624.747	300624.747		ug/L
Ag	107	68.001	0.000	0.006960	ug/L
Cd	111	13.740	0.000	0.007269	ug/L
Cd	114	18.762	0.000	0.002426	ug/L
In	115	238898.097	238898.097		ug/L
Sb	121	294.008	0.001	0.039066	ug/L
Sb	123	229.626	0.001	0.041114	ug/L
Tl	203	61.001	0.000	0.003270	ug/L
Tl	205	125.002	0.000	0.002494	ug/L
Pb	208	25177.674	0.077	1.080331	ug/L
Bi	209	319809.425	319809.425		ug/L

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Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 22, 2010 20:42:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.078
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	347123.486	347123.486				ug/L
⌊	Be	9	7971.193	0.023	36.720340	0.812	2.211	ug/L
⌈	V	51	284794.544	1.174	37.823904	0.910	2.406	ug/L
|	Cu	63	150720.532	0.626	39.378877	0.459	1.164	ug/L
|	Cu	65	72016.286	0.299	39.317629	0.426	1.083	ug/L
|	Zn	66	39000.573	0.162	38.976619	0.420	1.077	ug/L
|	Zn	68	28550.564	0.118	38.945762	0.189	0.485	ug/L
|>	Ge	72	240414.113	240414.113				ug/L
|	As	75	49889.322	0.207	39.506200	0.128	0.324	ug/L
|	Se	77	3818.060	0.015	38.922307	2.357	6.057	ug/L
⌊	Se	82	4945.415	0.021	37.771468	0.911	2.411	ug/L
⌈>	Rh	103	295095.512	295095.512				ug/L
|	Ag	107	286208.713	0.970	38.540477	0.713	1.849	ug/L
|	Cd	111	65193.216	0.221	37.113479	0.654	1.763	ug/L
⌊	Cd	114	154625.317	0.524	37.887818	0.679	1.792	ug/L
⌈>	In	115	235680.259	235680.259				ug/L
|	Sb	121	215250.975	0.913	36.878775	0.987	2.677	ug/L
⌊	Sb	123	163193.238	0.692	36.499328	1.062	2.909	ug/L
⌈	Tl	203	268746.098	0.836	37.978617	0.470	1.237	ug/L
|	Tl	205	645037.869	2.008	38.426460	0.158	0.411	ug/L
|	Pb	208	868246.885	2.701	38.208306	0.271	0.708	ug/L
⌊>	Bi	209	321271.204	321271.204				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.880
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.583
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.845
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	96.789

00518

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

96.938

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348471.247	348471.247		ug/L
Be	9	7814.350	0.022	35.856649	ug/L
V	51	292270.829	1.202	36.717057	ug/L
Cu	63	152756.853	0.633	39.800836	ug/L
Cu	65	72560.308	0.301	39.498024	ug/L
Zn	66	38945.271	0.161	38.811825	ug/L
Zn	68	28562.358	0.118	38.880487	ug/L
Ge	72	241077.128	241077.128		ug/L
As	75	49684.898	0.207	39.393280	ug/L
Se	77	3770.032	0.016	36.298675	ug/L
Se	82	4884.368	0.020	37.055075	ug/L
Rh	103	298982.836	298982.836		ug/L
Ag	107	284918.162	0.954	37.899880	ug/L
Cd	111	64770.438	0.217	38.424536	ug/L
Cd	114	154175.852	0.516	37.318282	ug/L
In	115	233986.088	233986.088		ug/L
Sb	121	207566.408	0.887	35.820024	ug/L
Sb	123	157805.488	0.673	35.506878	ug/L
Tl	203	286375.441	0.830	37.662367	ug/L
Tl	205	650053.980	2.011	38.485702	ug/L
Pb	208	868864.718	2.686	37.988089	ug/L
Bi	209	323268.468	323268.468		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348384.148	348384.148		ug/L
Be	9	8026.568	0.023	36.838898	ug/L
V	51	279270.672	1.146	36.898029	ug/L
Cu	63	149598.790	0.619	38.990947	ug/L
Cu	65	71462.614	0.296	38.631356	ug/L
Zn	66	38682.932	0.160	38.664104	ug/L
Zn	68	28585.370	0.117	38.798321	ug/L
Ge	72	241608.648	241608.648		ug/L
As	75	50104.333	0.207	39.479788	ug/L
Se	77	3648.988	0.015	34.940754	ug/L
Se	82	4929.458	0.021	37.463246	ug/L
Rh	103	291150.123	291150.123		ug/L
Ag	107	286051.169	0.959	39.308057	ug/L
Cd	111	65394.157	0.225	37.726799	ug/L
Cd	114	155808.900	0.534	38.638211	ug/L
In	115	237819.150	237819.150		ug/L
Sb	121	218152.374	0.917	37.642248	ug/L
Sb	123	164100.757	0.690	36.373471	ug/L
Tl	203	264773.857	0.831	37.722870	ug/L
Tl	205	541816.344	2.014	38.546150	ug/L
Pb	208	868083.711	2.722	38.510717	ug/L
Bi	209	318671.617	318671.617		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344515.082	344515.082		ug/L
Be	9	8072.640	0.023	37.498477	ug/L
V	51	282842.331	1.175	37.856828	ug/L
Cu	63	149808.153	0.627	39.444790	ug/L
Cu	65	72015.938	0.302	39.822502	ug/L
Zn	66	39173.516	0.164	39.453828	ug/L
Zn	68	28483.966	0.118	39.158477	ug/L
Ge	72	238566.663	238566.663		ug/L
As	75	49878.938	0.208	39.645541	ug/L
Se	77	4038.180	0.016	41.529493	ug/L
Se	82	5042.398	0.021	38.798084	ug/L
Rh	103	295453.577	295453.577		ug/L
Ag	107	285656.810	0.967	39.413486	ug/L
Cd	111	65415.051	0.221	37.188128	ug/L
Cd	114	154083.198	0.522	37.705981	ug/L
In	115	235238.559	235238.559		ug/L
Sb	121	220045.142	0.936	37.774053	ug/L
Sb	123	167873.488	0.713	37.618538	ug/L
Tl	203	273089.198	0.848	38.520875	ug/L
Tl	205	543243.572	1.998	38.247526	ug/L
Pb	208	868012.230	2.698	38.125131	ug/L
Bi	209	321873.528	321873.528		ug/L

99519

Sample Information

Sample ID: 0B22027-CCB

Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 20:51:20
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.079
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	339576.433	339576.433				ug/L
⌊	Be	9	1.667	0.000	0.000490	0.003	557.112	ug/L
⌈	V	51	2319.124	-0.001	-0.023895	0.012	51.423	ug/L
|	Cu	63	182.337	0.000	0.006597	0.003	48.164	ug/L
|	Cu	65	96.668	0.000	0.007800	0.003	34.932	ug/L
|	Zn	66	137.336	0.000	0.018727	0.020	104.619	ug/L
|	Zn	68	266.674	0.000	0.021627	0.031	144.289	ug/L
\>	Ge	72	241210.289	241210.289				ug/L
|	As	75	-0.524	-0.000	-0.036274	0.020	55.355	ug/L
|	Se	77	118.002	-0.000	-0.063357	0.190	299.375	ug/L
⌊	Se	82	-45.865	0.000	0.094091	0.195	207.324	ug/L
⌈>	Rh	103	295596.116	295596.116				ug/L
|	Ag	107	62.334	0.000	0.006337	0.001	15.375	ug/L
|	Cd	111	6.348	0.000	0.003186	0.000	14.941	ug/L
⌊	Cd	114	9.033	0.000	0.000121	0.000	133.887	ug/L
⌈>	In	115	235698.551	235698.551				ug/L
|	Sb	121	565.695	0.002	0.086329	0.007	7.721	ug/L
⌊	Sb	123	443.473	0.002	0.089859	0.009	9.578	ug/L
⌈	Tl	203	31.334	-0.000	-0.000953	0.001	109.343	ug/L
|	Tl	205	78.668	-0.000	-0.000286	0.000	77.172	ug/L
|	Pb	208	539.347	0.000	0.000674	0.001	132.456	ug/L
⌊>	Bi	209	320429.909	320429.909				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.795
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
\>	Ge	71.922	96.903
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.013
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	96.796

09529

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	96.685

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	340150.108	340150.108		ug/L
Be	9	1.000	0.000	0.002661	ug/L
V	51	2417.298	0.000	-0.010025	ug/L
Cu	63	185.004	0.000	0.007418	ug/L
Cu	65	101.002	0.000	0.010281	ug/L
Zn	66	115.002	-0.000	-0.003269	ug/L
Zn	68	258.007	0.000	0.010471	ug/L
Ge	72	240838.741	240838.741		ug/L
As	75	29.280	0.000	-0.059018	ug/L
Se	77	98.002	0.000	-0.270861	ug/L
Se	82	-44.498	0.000	0.102779	ug/L
Rh	103	295881.719	295581.719		ug/L
Ag	107	54.001	0.000	0.005218	ug/L
Cd	111	5.534	0.000	0.002725	ug/L
Cd	114	9.087	0.000	0.000138	ug/L
In	115	234850.788	234850.788		ug/L
Sb	121	597.031	0.002	0.092070	ug/L
Sb	123	474.843	0.002	0.067217	ug/L
Tl	203	40.001	0.000	0.000239	ug/L
Tl	205	75.001	-0.000	-0.000538	ug/L
Pb	208	552.014	0.000	0.001080	ug/L
Bi	209	322743.503	322743.503		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339585.152	339585.152		ug/L
Be	9	2.000	0.000	0.002057	ug/L
V	51	2236.741	-0.001	-0.033418	ug/L
Cu	63	168.004	0.000	0.003080	ug/L
Cu	65	97.002	0.000	0.008234	ug/L
Zn	66	143.003	0.000	0.025143	ug/L
Zn	68	291.008	0.000	0.056879	ug/L
Ge	72	240018.343	240018.343		ug/L
As	75	18.701	0.000	-0.021002	ug/L
Se	77	133.003	0.000	0.101048	ug/L
Se	82	20.324	0.000	0.284678	ug/L
Rh	103	292278.774	292278.774		ug/L
Ag	107	65.001	0.000	0.008798	ug/L
Cd	111	6.223	0.000	0.003157	ug/L
Cd	114	8.242	-0.000	-0.000049	ug/L
In	115	237000.649	237000.649		ug/L
Sb	121	578.029	0.002	0.087800	ug/L
Sb	123	456.390	0.002	0.061867	ug/L
Tl	203	28.000	-0.000	-0.001404	ug/L
Tl	205	51.001	-0.000	-0.000127	ug/L
Pb	208	514.012	0.000	-0.000347	ug/L
Bi	209	319079.226	319079.226		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	338994.038	338994.038		ug/L
Be	9	2.000	0.000	0.002073	ug/L
V	51	2303.331	-0.001	0.025341	ug/L
Cu	63	194.005	0.000	0.009283	ug/L
Cu	65	92.002	0.000	0.004884	ug/L
Zn	66	154.003	0.000	0.034308	ug/L
Zn	68	251.007	-0.000	-0.002467	ug/L
Ge	72	242972.783	242972.783		ug/L
As	75	8.988	-0.000	0.026801	ug/L
Se	77	123.002	-0.000	0.020236	ug/L
Se	82	-72.773	0.000	-0.105181	ug/L
Rh	103	298929.858	298929.858		ug/L
Ag	107	66.001	0.000	0.008998	ug/L
Cd	111	7.288	0.000	0.003676	ug/L
Cd	114	9.780	0.000	0.000273	ug/L
In	115	235244.238	235244.238		ug/L
Sb	121	522.024	0.002	0.079019	ug/L
Sb	123	400.386	0.002	0.060386	ug/L
Tl	203	26.000	-0.000	-0.001694	ug/L
Tl	205	50.001	-0.000	-0.000193	ug/L
Pb	208	552.014	0.000	0.001309	ug/L
Bi	209	319466.999	319466.999		ug/L

99521

Sample Information

Sample ID: 1002038-18
Autosampler Position: 68
Sample Date/Time: Monday, February 22, 2010 20:55:19
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-18.080
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	340520.557	340520.557				ug/L
⌊	Be	9	4.333	0.000	0.013004	0.010	75.546	ug/L
⌈	V	51	7107.914	0.019	0.608204	0.016	2.621	ug/L
|	Cu	63	873.062	0.003	0.184871	0.004	2.111	ug/L
|	Cu	65	399.349	0.001	0.171020	0.010	5.717	ug/L
|	Zn	66	1157.105	0.004	1.028627	0.022	2.146	ug/L
|	Zn	68	1136.768	0.004	1.202845	0.029	2.381	ug/L
|>	Ge	72	243119.166	243119.166				ug/L
|	As	75	533.519	0.002	0.382429	0.031	8.054	ug/L
|	Se	77	126.002	0.000	0.010503	0.051	488.762	ug/L
⌊	Se	82	-42.133	0.000	0.123808	0.011	8.498	ug/L
⌈>	Rh	103	301579.295	301579.295				ug/L
|	Ag	107	49.667	0.000	0.004506	0.001	12.411	ug/L
|	Cd	111	8.664	0.000	0.004369	0.005	120.770	ug/L
⌊	Cd	114	10.017	0.000	0.000309	0.001	214.798	ug/L
⌈>	In	115	237677.187	237677.187				ug/L
|	Sb	121	510.690	0.002	0.076130	0.006	7.405	ug/L
⌊	Sb	123	418.765	0.002	0.083523	0.004	4.880	ug/L
⌈	Tl	203	46.334	0.000	0.001001	0.001	144.464	ug/L
|	Tl	205	101.668	0.000	0.000903	0.001	117.349	ug/L
|	Pb	208	3792.765	0.010	0.139853	0.008	5.395	ug/L
⌊>	Bi	209	329437.995	329437.995				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.056
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.669
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	101.017
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.609

00522

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.403

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	338066.620	338066.620		ug/L
Be	9	6.000	0.000	0.020639	ug/L
V	51	7084.389	0.018	0.607301	ug/L
Cu	63	852.069	0.003	0.180807	ug/L
Cu	65	414.016	0.001	0.180078	ug/L
Zn	66	1172.105	0.004	1.046811	ug/L
Zn	68	1147.104	0.004	1.224983	ug/L
Ge	72	241843.398	241843.398		ug/L
As	75	574.884	0.002	0.417111	ug/L
Se	77	126.002	0.000	0.017182	ug/L
Se	82	43.474	0.000	0.112128	ug/L
Rh	103	304812.878	304812.878		ug/L
Ag	107	48.001	0.000	0.004216	ug/L
Cd	111	18.754	0.000	0.009815	ug/L
Cd	114	11.963	0.000	0.000748	ug/L
In	115	239080.136	239080.136		ug/L
Sb	121	536.026	0.002	0.080284	ug/L
Sb	123	436.788	0.002	0.086878	ug/L
Tl	203	49.001	0.000	0.001170	ug/L
Tl	205	126.002	0.000	0.002134	ug/L
Pb	208	3727.418	0.009	0.132308	ug/L
Bi	209	339210.884	339210.884		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	341080.002	341080.002		ug/L
Be	9	2.000	0.000	0.002016	ug/L
V	51	7080.710	0.018	0.592737	ug/L
Cu	63	886.084	0.003	0.188744	ug/L
Cu	65	384.014	0.001	0.180863	ug/L
Zn	66	1145.103	0.004	1.006526	ug/L
Zn	68	1124.100	0.004	1.170600	ug/L
Ge	72	245817.645	245817.645		ug/L
As	75	507.810	0.002	0.358287	ug/L
Se	77	122.002	0.000	0.043837	ug/L
Se	82	-41.372	0.000	0.132548	ug/L
Rh	103	301580.902	301580.902		ug/L
Ag	107	47.001	0.000	0.004152	ug/L
Cd	111	7.536	0.000	0.003778	ug/L
Cd	114	11.362	0.000	0.000539	ug/L
In	115	239815.854	239815.854		ug/L
Sb	121	528.026	0.002	0.078368	ug/L
Sb	123	428.766	0.002	0.084562	ug/L
Tl	203	56.001	0.000	0.002354	ug/L
Tl	205	88.001	0.000	0.000236	ug/L
Pb	208	3888.449	0.010	0.147398	ug/L
Bi	209	322553.187	322553.187		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	341444.748	341444.748		ug/L
Be	9	5.000	0.000	0.016057	ug/L
V	51	7198.642	0.018	0.624575	ug/L
Cu	63	862.083	0.003	0.185283	ug/L
Cu	65	400.016	0.001	0.172331	ug/L
Zn	66	1154.105	0.004	1.030848	ug/L
Zn	68	1139.102	0.004	1.213061	ug/L
Ge	72	241998.454	241998.454		ug/L
As	75	517.852	0.002	0.371909	ug/L
Se	77	130.002	0.000	0.058184	ug/L
Se	82	-41.552	0.000	0.126748	ug/L
Rh	103	298344.107	298344.107		ug/L
Ag	107	54.001	0.000	0.006151	ug/L
Cd	111	0.298	0.000	0.000597	ug/L
Cd	114	6.735	-0.000	0.000456	ug/L
In	115	234335.570	234335.570		ug/L
Sb	121	468.020	0.002	0.069713	ug/L
Sb	123	392.763	0.001	0.078027	ug/L
Tl	203	35.000	0.000	-0.000522	ug/L
Tl	205	91.001	0.000	0.000348	ug/L
Pb	208	3762.428	0.010	0.139852	ug/L
Bi	209	326549.816	326549.816		ug/L

90523

Sample Information

Sample ID: 1002038-19
Autosampler Position: 69
Sample Date/Time: Monday, February 22, 2010 20:58:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-19.081
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	339709.637	339709.637				ug/L
	Be	9	3.667	0.000	0.009911	0.003	28.352	ug/L
	V	51	5585.776	0.012	0.397846	0.019	4.760	ug/L
	Cu	63	1107.097	0.004	0.242026	0.008	3.489	ug/L
	Cu	65	507.690	0.002	0.226317	0.003	1.377	ug/L
	Zn	66	1485.836	0.006	1.337059	0.039	2.897	ug/L
	Zn	68	1394.150	0.005	1.530753	0.022	1.436	ug/L
>	Ge	72	246004.754	246004.754				ug/L
	As	75	359.123	0.001	0.242527	0.055	22.702	ug/L
	Se	77	136.336	0.000	0.100710	0.179	177.698	ug/L
	Se	82	-35.450	0.000	0.176806	0.014	8.020	ug/L
>	Rh	103	297736.629	297736.629				ug/L
	Ag	107	49.667	0.000	0.004588	0.001	12.295	ug/L
	Cd	111	10.850	0.000	0.005687	0.003	44.858	ug/L
	Cd	114	11.334	0.000	0.000671	0.001	180.520	ug/L
>	In	115	240812.534	240812.534				ug/L
	Sb	121	393.348	0.001	0.055377	0.005	8.871	ug/L
	Sb	123	278.048	0.001	0.051560	0.008	15.410	ug/L
	Tl	203	49.001	0.000	0.001369	0.001	69.572	ug/L
	Tl	205	101.668	0.000	0.000938	0.001	74.746	ug/L
	Pb	208	5943.361	0.016	0.232593	0.004	1.890	ug/L
>	Bi	209	328816.480	328816.480				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	93.832
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.829
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.730
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.897

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Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.215

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	338081.087	338081.087		ug/L
Be	9	4.000	0.000	0.011672	ug/L
V	51	5480.433	0.012	0.378977	ug/L
Cu	63	1139.102	0.004	0.248183	ug/L
Cu	65	505.023	0.002	0.222987	ug/L
Zn	66	1499.178	0.008	1.339886	ug/L
Zn	68	1388.149	0.005	1.510903	ug/L
Ge	72	247735.298	247735.298		ug/L
As	75	262.974	0.001	0.181804	ug/L
Se	77	150.003	0.000	0.231104	ug/L
Se	82	-34.372	0.000	0.186563	ug/L
Rh	103	294162.898	294162.898		ug/L
Ag	107	51.001	0.000	0.004848	ug/L
Cd	111	6.008	0.000	0.003012	ug/L
Cd	114	14.771	0.000	0.001543	ug/L
In	115	239730.822	239730.822		ug/L
Sb	121	391.018	0.001	0.056287	ug/L
Sb	123	260.506	0.001	0.062348	ug/L
Tl	203	57.001	0.000	0.002377	ug/L
Tl	205	94.002	0.000	0.000413	ug/L
Pb	208	5918.018	0.018	0.228087	ug/L
Bi	209	333263.648	333263.648		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	341808.052	341808.052		ug/L
Be	9	3.000	0.000	0.008870	ug/L
V	51	5713.814	0.013	0.416884	ug/L
Cu	63	1088.080	0.004	0.232400	ug/L
Cu	65	507.023	0.002	0.226780	ug/L
Zn	66	1519.177	0.008	1.374304	ug/L
Zn	68	1387.149	0.005	1.529983	ug/L
Ge	72	245252.772	245252.772		ug/L
As	75	418.358	0.002	0.289196	ug/L
Se	77	143.003	0.000	0.174348	ug/L
Se	82	-37.544	0.000	0.160540	ug/L
Rh	103	298911.094	298911.094		ug/L
Ag	107	45.001	0.000	0.003941	ug/L
Cd	111	15.148	0.000	0.008093	ug/L
Cd	114	13.525	0.000	0.001184	ug/L
In	115	240223.861	240223.861		ug/L
Sb	121	422.017	0.001	0.060348	ug/L
Sb	123	311.758	0.001	0.059081	ug/L
Tl	203	48.001	0.000	0.001247	ug/L
Tl	205	97.002	0.000	0.000887	ug/L
Pb	208	5944.027	0.018	0.232888	ug/L
Bi	209	328453.191	328453.191		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	341141.772	341141.772		ug/L
Be	9	4.000	0.000	0.011390	ug/L
V	51	5562.980	0.012	0.397707	ug/L
Cu	63	1118.098	0.004	0.245488	ug/L
Cu	65	511.023	0.002	0.229176	ug/L
Zn	66	1439.158	0.008	1.296987	ug/L
Zn	68	1406.152	0.005	1.554373	ug/L
Ge	72	245026.190	245026.190		ug/L
As	75	376.037	0.001	0.256583	ug/L
Se	77	118.002	0.000	-0.103320	ug/L
Se	82	-34.436	0.000	0.183315	ug/L
Rh	103	300136.895	300136.895		ug/L
Ag	107	53.001	0.000	0.004978	ug/L
Cd	111	11.393	0.000	0.005857	ug/L
Cd	114	5.708	-0.000	0.000713	ug/L
In	115	242482.918	242482.918		ug/L
Sb	121	387.013	0.001	0.050521	ug/L
Sb	123	241.861	0.001	0.043249	ug/L
Tl	203	42.001	0.000	0.000484	ug/L
Tl	205	114.002	0.000	0.001733	ug/L
Pb	208	5958.038	0.017	0.236846	ug/L
Bi	209	324732.704	324732.704		ug/L

99525

Sample Information

Sample ID: 1002038-20
Autosampler Position: 70
Sample Date/Time: Monday, February 22, 2010 21:02:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-20.082
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	343901.139	343901.139				ug/L
	Be	9	3.000	0.000	0.006557	0.004	68.552	ug/L
	V	51	3897.472	0.006	0.178506	0.013	7.086	ug/L
	Cu	63	828.056	0.003	0.171351	0.011	6.657	ug/L
	Cu	65	370.680	0.001	0.153826	0.006	4.193	ug/L
	Zn	66	1031.085	0.004	0.895362	0.056	6.254	ug/L
	Zn	68	978.410	0.003	0.976151	0.032	3.305	ug/L
>	Ge	72	245188.931	245188.931				ug/L
	As	75	243.466	0.001	0.153358	0.002	1.576	ug/L
	Se	77	139.336	0.000	0.137205	0.182	132.363	ug/L
	Se	82	-51.089	0.000	0.061232	0.195	317.963	ug/L
>	Rh	103	298548.011	298548.011				ug/L
	Ag	107	28.667	0.000	0.001773	0.001	48.452	ug/L
	Cd	111	4.606	0.000	0.002166	0.002	78.518	ug/L
	Cd	114	10.782	0.000	0.000521	0.001	146.213	ug/L
>	In	115	240543.776	240543.776				ug/L
	Sb	121	228.673	0.001	0.027784	0.002	8.756	ug/L
	Sb	123	184.293	0.001	0.031045	0.002	5.958	ug/L
	Tl	203	44.667	0.000	0.000771	0.001	90.368	ug/L
	Tl	205	92.002	0.000	0.000365	0.000	114.348	ug/L
	Pb	208	1868.448	0.004	0.057267	0.001	1.983	ug/L
>	Bi	209	328803.561	328803.561				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	94.989
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.501
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.002
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.786

00526

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.211

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342744.881	342744.881		ug/L
Be	9	3.000	0.000	0.008836	ug/L
V	51	3946.970	0.008	0.186198	ug/L
Cu	63	804.053	0.003	0.165780	ug/L
Cu	65	376.014	0.001	0.157135	ug/L
Zn	66	1046.087	0.004	0.812239	ug/L
Zn	68	958.075	0.003	0.986662	ug/L
Ge	72	244588.584	244588.584		ug/L
As	75	239.284	0.001	0.150568	ug/L
Se	77	121.002	-0.000	0.049410	ug/L
Se	82	-26.301	0.000	0.243204	ug/L
Rh	103	301484.123	301484.123		ug/L
Ag	107	29.000	0.000	0.001782	ug/L
Cd	111	5.942	0.000	0.002892	ug/L
Cd	114	13.724	0.000	0.001204	ug/L
In	115	244204.112	244204.112		ug/L
Sb	121	243.007	0.001	0.029678	ug/L
Sb	123	182.501	0.001	0.030068	ug/L
Tl	203	49.001	0.000	0.001234	ug/L
Tl	205	97.002	0.000	0.000541	ug/L
Pb	208	1880.116	0.004	0.056039	ug/L
Bi	209	335921.881	335921.881		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	340801.070	340801.070		ug/L
Be	9	2.000	0.000	0.002023	ug/L
V	51	3914.763	0.008	0.186414	ug/L
Cu	63	791.052	0.003	0.163801	ug/L
Cu	65	375.014	0.001	0.157949	ug/L
Zn	66	1068.081	0.004	0.940878	ug/L
Zn	68	996.079	0.003	1.012124	ug/L
Ge	72	242958.337	242958.337		ug/L
As	75	242.967	0.001	0.154698	ug/L
Se	77	155.003	0.000	0.313358	ug/L
Se	82	47.364	0.000	0.084570	ug/L
Rh	103	297898.053	297898.053		ug/L
Ag	107	35.000	0.000	0.002628	ug/L
Cd	111	6.743	0.000	0.003363	ug/L
Cd	114	7.352	0.000	0.000301	ug/L
In	115	235956.988	235956.988		ug/L
Sb	121	230.008	0.001	0.028758	ug/L
Sb	123	175.626	0.001	0.029899	ug/L
Tl	203	36.000	0.000	0.000930	ug/L
Tl	205	82.001	0.000	0.000112	ug/L
Pb	208	1853.111	0.004	0.056278	ug/L
Bi	209	321985.406	321985.406		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348157.486	348157.486		ug/L
Be	9	4.000	0.000	0.011012	ug/L
V	51	3830.682	0.008	0.183908	ug/L
Cu	63	889.084	0.003	0.184473	ug/L
Cu	65	361.013	0.001	0.146394	ug/L
Zn	66	979.077	0.003	0.832874	ug/L
Zn	68	970.076	0.003	0.948787	ug/L
Ge	72	248018.893	248018.893		ug/L
As	75	248.158	0.001	0.154807	ug/L
Se	77	142.003	0.000	0.147671	ug/L
Se	82	79.601	-0.000	-0.144078	ug/L
Rh	103	296281.856	296281.856		ug/L
Ag	107	22.000	0.000	0.000810	ug/L
Cd	111	1.132	0.000	0.000223	ug/L
Cd	114	11.261	0.000	0.000880	ug/L
In	115	241470.227	241470.227		ug/L
Sb	121	213.006	0.001	0.025018	ug/L
Sb	123	194.753	0.001	0.033179	ug/L
Tl	203	47.001	0.000	0.001108	ug/L
Tl	205	97.002	0.000	0.000688	ug/L
Pb	208	1872.116	0.004	0.057482	ug/L
Bi	209	328503.424	328503.424		ug/L

20527

Sample Information

Sample ID: 1002038-21
Autosampler Position: 71
Sample Date/Time: Monday, February 22, 2010 21:05:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-21.083
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	340918.047	340918.047				ug/L
⌊	Be	9	4.000	0.000	0.011374	0.009	81.987	ug/L
⌈	V	51	7380.650	0.020	0.633731	0.024	3.770	ug/L
|	Cu	63	3624.622	0.014	0.886394	0.013	1.520	ug/L
|	Cu	65	1678.547	0.006	0.852598	0.020	2.359	ug/L
|	Zn	66	3890.432	0.015	3.696035	0.034	0.909	ug/L
|	Zn	68	3010.665	0.011	3.707891	0.082	2.210	ug/L
|>	Ge	72	245784.402	245784.402				ug/L
|	As	75	595.869	0.002	0.425917	0.039	9.216	ug/L
|	Se	77	140.003	0.000	0.140416	0.069	49.047	ug/L
⌊	Se	82	-48.492	0.000	0.080206	0.036	44.912	ug/L
⌈>	Rh	103	298918.248	298918.248				ug/L
|	Ag	107	47.001	0.000	0.004206	0.000	5.157	ug/L
|	Cd	111	16.833	0.000	0.009050	0.005	55.741	ug/L
⌊	Cd	114	22.360	0.000	0.003312	0.001	39.448	ug/L
⌈>	In	115	239762.012	239762.012				ug/L
|	Sb	121	370.347	0.001	0.051791	0.003	6.555	ug/L
⌊	Sb	123	280.547	0.001	0.052328	0.004	8.051	ug/L
⌈	Tl	203	59.001	0.000	0.002809	0.001	37.654	ug/L
|	Tl	205	109.002	0.000	0.001398	0.001	37.143	ug/L
|	Pb	208	62908.523	0.191	2.702093	0.095	3.500	ug/L
⌊>	Bi	209	326754.977	326754.977				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.166
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.740
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.126
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.465

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Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	98.593

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	341427.975	341427.975		ug/L
Be	9	6.000	0.000	0.020742	ug/L
V	51	7327.663	0.020	0.633178	ug/L
Cu	63	3660.978	0.014	0.901944	ug/L
Cu	65	1688.216	0.007	0.863750	ug/L
Zn	66	3842.071	0.015	3.673987	ug/L
Zn	68	2828.829	0.011	3.521671	ug/L
Ga	72	244141.664	244141.664		ug/L
As	75	542.444	0.002	0.387520	ug/L
Se	77	138.003	0.000	0.129207	ug/L
Se	82	53.537	0.000	0.040403	ug/L
Rh	103	300218.188	300218.188		ug/L
Ag	107	48.001	0.000	0.004444	ug/L
Cd	111	8.529	0.000	0.003254	ug/L
Cd	114	21.211	0.000	0.003021	ug/L
In	115	240086.681	240086.681		ug/L
Sb	121	384.014	0.001	0.053982	ug/L
Sb	123	273.379	0.001	0.050882	ug/L
Tl	203	64.001	0.000	0.003237	ug/L
Tl	205	110.002	0.000	0.001283	ug/L
Pb	208	62620.328	0.184	2.606080	ug/L
Bi	209	335816.084	335816.084		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343040.584	343040.584		ug/L
Be	9	4.000	0.000	0.011266	ug/L
V	51	7556.406	0.020	0.657896	ug/L
Cu	63	3586.837	0.014	0.878328	ug/L
Cu	65	1698.219	0.007	0.864881	ug/L
Zn	66	3925.117	0.015	3.734702	ug/L
Zn	68	3013.668	0.011	3.717242	ug/L
Ga	72	245488.808	245488.808		ug/L
As	75	592.781	0.002	0.424257	ug/L
Se	77	147.003	0.000	0.214202	ug/L
Se	82	44.341	0.000	0.110563	ug/L
Rh	103	301560.049	301560.049		ug/L
Ag	107	47.001	0.000	0.004152	ug/L
Cd	111	22.718	0.000	0.012235	ug/L
Cd	114	28.478	0.000	0.004740	ug/L
In	115	237514.433	237514.433		ug/L
Sb	121	377.014	0.001	0.053501	ug/L
Sb	123	263.630	0.001	0.049178	ug/L
Tl	203	50.001	0.000	0.001606	ug/L
Tl	205	118.002	0.000	0.001971	ug/L
Pb	208	62607.529	0.191	2.705020	ug/L
Bi	209	324632.290	324632.290		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	338286.802	338286.802		ug/L
Be	9	2.000	0.000	0.002083	ug/L
V	51	7257.881	0.019	0.610121	ug/L
Cu	63	3623.985	0.014	0.876810	ug/L
Cu	65	1648.207	0.006	0.829384	ug/L
Zn	66	3904.108	0.015	3.678447	ug/L
Zn	68	3091.700	0.011	3.784780	ug/L
Ga	72	247724.849	247724.849		ug/L
As	75	652.401	0.002	0.466074	ug/L
Se	77	135.003	0.000	0.077837	ug/L
Se	82	47.800	0.000	0.089853	ug/L
Rh	103	294978.531	294978.531		ug/L
Ag	107	45.001	0.000	0.004021	ug/L
Cd	111	21.251	0.000	0.011682	ug/L
Cd	114	17.394	0.000	0.002178	ug/L
In	115	241685.922	241685.922		ug/L
Sb	121	350.012	0.001	0.047881	ug/L
Sb	123	304.832	0.001	0.057113	ug/L
Tl	203	63.001	0.000	0.003587	ug/L
Tl	205	99.002	0.000	0.000868	ug/L
Pb	208	63497.713	0.198	2.795168	ug/L
Bi	209	318716.558	318716.558		ug/L

00529

Sample Information

Sample ID: 1002038-22
Autosampler Position: 72
Sample Date/Time: Monday, February 22, 2010 21:09:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-22.084
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	345681.711	345681.711				ug/L
	Be	9	2.667	0.000	0.005005	0.007	142.294	ug/L
	V	51	8114.584	0.023	0.737894	0.020	2.766	ug/L
	Cu	63	2221.701	0.008	0.531767	0.014	2.574	ug/L
	Cu	65	1011.415	0.004	0.499878	0.012	2.421	ug/L
	Zn	66	2417.433	0.009	2.269863	0.041	1.811	ug/L
	Zn	68	2022.306	0.007	2.398537	0.028	1.168	ug/L
>	Ge	72	243942.135	243942.135				ug/L
	As	75	435.332	0.002	0.304126	0.023	7.694	ug/L
	Se	77	135.669	0.000	0.106536	0.298	279.446	ug/L
	Se	82	-56.217	0.000	0.019331	0.175	903.754	ug/L
>	Rh	103	295632.807	295632.807				ug/L
	Ag	107	110.335	0.000	0.012783	0.003	20.073	ug/L
	Cd	111	18.355	0.000	0.010004	0.004	36.540	ug/L
	Cd	114	31.835	0.000	0.005701	0.002	29.213	ug/L
>	In	115	238817.901	238817.901				ug/L
	Sb	121	264.341	0.001	0.034088	0.002	7.204	ug/L
	Sb	123	198.585	0.001	0.034496	0.002	5.647	ug/L
	Tl	203	60.334	0.000	0.003098	0.001	40.603	ug/L
	Tl	205	133.336	0.000	0.002912	0.000	13.748	ug/L
	Pb	208	7404.236	0.021	0.300996	0.015	5.035	ug/L
>	Bi	209	323395.685	323395.685				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.481
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.000
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.025
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.077

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Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	97.579

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	344484.648	344484.648		ug/L
Be	9	4.000	0.000	0.011208	ug/L
V	51	7941.623	0.022	0.718402	ug/L
Cu	63	2275.386	0.006	0.547453	ug/L
Cu	65	991.079	0.004	0.490880	ug/L
Zn	66	2446.443	0.010	2.308103	ug/L
Zn	68	2008.301	0.007	2.384114	ug/L
Ge	72	243162.066	243162.066		ug/L
As	75	401.190	0.001	0.278536	ug/L
Se	77	166.004	0.000	0.447389	ug/L
Se	82	69.608	0.000	-0.081139	ug/L
Rh	103	298047.428	298047.428		ug/L
Ag	107	120.002	0.000	0.014066	ug/L
Cd	111	25.150	0.000	0.013850	ug/L
Cd	114	28.035	0.000	0.004798	ug/L
In	115	239779.034	239779.034		ug/L
Sb	121	282.008	0.001	0.038890	ug/L
Sb	123	207.753	0.001	0.038338	ug/L
Tl	203	58.001	0.000	0.002542	ug/L
Tl	205	129.002	0.000	0.002450	ug/L
Pb	208	7209.488	0.020	0.283981	ug/L
Bi	209	332075.057	332075.057		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	344108.129	344108.129		ug/L
Be	9	3.000	0.000	0.008581	ug/L
V	51	8186.629	0.023	0.738184	ug/L
Cu	63	2202.381	0.006	0.522231	ug/L
Cu	65	1045.087	0.004	0.513588	ug/L
Zn	66	2391.424	0.009	2.225193	ug/L
Zn	68	2025.307	0.007	2.380868	ug/L
Ge	72	245899.451	245899.451		ug/L
As	75	464.938	0.002	0.324432	ug/L
Se	77	124.002	-0.000	-0.025196	ug/L
Se	82	29.442	0.000	0.221083	ug/L
Rh	103	294583.724	294583.724		ug/L
Ag	107	86.001	0.000	0.009829	ug/L
Cd	111	12.267	0.000	0.008676	ug/L
Cd	114	39.572	0.000	0.007825	ug/L
In	115	237856.587	237856.587		ug/L
Sb	121	257.007	0.001	0.033066	ug/L
Sb	123	198.501	0.001	0.034693	ug/L
Tl	203	54.001	0.000	0.002214	ug/L
Tl	205	137.003	0.000	0.003148	ug/L
Pb	208	7502.617	0.022	0.306967	ug/L
Bi	209	322499.858	322499.858		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	348452.358	348452.358		ug/L
Be	9	1.000	0.000	-0.002773	ug/L
V	51	8235.502	0.024	0.759116	ug/L
Cu	63	2187.357	0.006	0.525818	ug/L
Cu	65	998.080	0.004	0.496358	ug/L
Zn	66	2414.432	0.009	2.278293	ug/L
Zn	68	2036.311	0.007	2.430837	ug/L
Ge	72	242764.868	242764.868		ug/L
As	75	439.871	0.002	0.309411	ug/L
Se	77	115.002	0.000	0.102586	ug/L
Se	82	-69.600	0.000	-0.081931	ug/L
Rh	103	298287.269	298287.269		ug/L
Ag	107	123.002	0.000	0.014456	ug/L
Cd	111	17.648	0.000	0.009586	ug/L
Cd	114	27.898	0.000	0.004721	ug/L
In	115	239018.082	239018.082		ug/L
Sb	121	254.007	0.001	0.032309	ug/L
Sb	123	189.501	0.001	0.032457	ug/L
Tl	203	69.001	0.000	0.004536	ug/L
Tl	205	134.003	0.000	0.003141	ug/L
Pb	208	7500.602	0.022	0.313049	ug/L
Bi	209	315612.141	315612.141		ug/L

99531

Sample Information

Sample ID: 1002038-23
Autosampler Position: 73
Sample Date/Time: Monday, February 22, 2010 21:12:49
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-23.085
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	347755.691	347755.691				ug/L
⌊	Be	9	1.667	0.000	0.000344	0.005	1578.199	ug/L
⌈	V	51	4084.001	0.006	0.198322	0.008	4.067	ug/L
|	Cu	63	5213.955	0.020	1.284754	0.015	1.155	ug/L
|	Cu	65	2492.460	0.010	1.279437	0.026	2.004	ug/L
|	Zn	66	1189.778	0.004	1.040928	0.020	1.913	ug/L
|	Zn	68	1258.790	0.004	1.339700	0.021	1.566	ug/L
|>	Ge	72	247304.778	247304.778				ug/L
|	As	75	802.346	0.003	0.582485	0.065	11.125	ug/L
|	Se	77	133.003	0.000	0.059806	0.108	181.206	ug/L
⌊	Se	82	-37.453	0.000	0.163583	0.111	67.849	ug/L
⌈>	Rh	103	297154.731	297154.731				ug/L
|	Ag	107	27.334	0.000	0.001614	0.000	20.455	ug/L
|	Cd	111	9.202	0.000	0.004790	0.004	78.108	ug/L
⌊	Cd	114	23.103	0.000	0.003530	0.002	46.000	ug/L
⌈>	In	115	238056.889	238056.889				ug/L
|	Sb	121	972.409	0.004	0.154374	0.004	2.693	ug/L
⌊	Sb	123	765.170	0.003	0.160194	0.012	7.503	ug/L
⌈	Tl	203	32.334	-0.000	-0.000905	0.001	86.451	ug/L
|	Tl	205	74.668	-0.000	-0.000629	0.000	58.732	ug/L
|	Pb	208	10307.001	0.030	0.421393	0.007	1.670	ug/L
⌊>	Bi	209	328058.990	328058.990				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	96.054
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.351
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.535
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.765

90532

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	98.987

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	347068.903	347068.903		ug/L
Be	9	1.000	-0.000	0.002754	ug/L
V	51	4062.714	0.006	0.186514	ug/L
Cu	63	5268.998	0.021	1.301130	ug/L
Cu	65	2438.440	0.010	1.252004	ug/L
Zn	66	1204.114	0.004	1.067012	ug/L
Zn	68	1247.121	0.004	1.327124	ug/L
Ge	72	246861.816	246861.816		ug/L
As	75	842.644	0.003	0.614674	ug/L
Se	77	127.002	0.000	0.000801	ug/L
Se	82	20.466	0.000	0.287903	ug/L
Rh	103	297885.780	297885.780		ug/L
Ag	107	27.000	0.000	0.001580	ug/L
Cd	111	5.448	0.000	0.002662	ug/L
Cd	114	26.583	0.000	0.004368	ug/L
In	115	238788.328	238788.328		ug/L
Sb	121	940.071	0.004	0.149761	ug/L
Sb	123	770.546	0.003	0.162248	ug/L
Tl	203	28.000	-0.000	-0.001594	ug/L
Tl	205	78.001	0.000	-0.000644	ug/L
Pb	208	10350.046	0.029	0.413871	ug/L
Bi	209	335034.594	335034.594		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343131.793	343131.793		ug/L
Be	9	3.000	0.000	0.006620	ug/L
V	51	4023.825	0.006	0.191314	ug/L
Cu	63	5190.837	0.020	1.280932	ug/L
Cu	65	2532.474	0.010	1.302799	ug/L
Zn	66	1165.107	0.004	1.018662	ug/L
Zn	68	1248.122	0.004	1.328088	ug/L
Ge	72	246920.804	246920.804		ug/L
As	75	856.324	0.003	0.624877	ug/L
Se	77	145.003	0.000	0.154884	ug/L
Se	82	49.513	0.000	0.074452	ug/L
Rh	103	297392.627	297392.627		ug/L
Ag	107	30.000	0.000	0.001987	ug/L
Cd	111	5.358	0.000	0.002808	ug/L
Cd	114	27.400	0.000	0.004574	ug/L
In	115	240459.539	240459.539		ug/L
Sb	121	989.078	0.004	0.155532	ug/L
Sb	123	714.288	0.003	0.147278	ug/L
Tl	203	31.000	-0.000	0.001067	ug/L
Tl	205	88.001	-0.000	-0.000980	ug/L
Pb	208	10259.980	0.030	0.422468	ug/L
Bi	209	325668.125	325668.125		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	353078.378	353078.378		ug/L
Be	9	1.000	-0.000	-0.002833	ug/L
V	51	4166.485	0.006	0.207139	ug/L
Cu	63	5161.931	0.020	1.272198	ug/L
Cu	65	2508.466	0.010	1.283508	ug/L
Zn	66	1200.113	0.004	1.047111	ug/L
Zn	68	1281.128	0.004	1.363812	ug/L
Ge	72	248131.712	248131.712		ug/L
As	75	708.071	0.003	0.507903	ug/L
Se	77	127.002	-0.000	0.008087	ug/L
Se	82	42.380	0.000	-0.126398	ug/L
Rh	103	298108.774	298108.774		ug/L
Ag	107	25.000	0.000	0.001314	ug/L
Cd	111	16.798	0.000	0.009110	ug/L
Cd	114	15.345	0.000	0.001659	ug/L
In	115	236941.801	236941.801		ug/L
Sb	121	988.078	0.004	0.157828	ug/L
Sb	123	810.678	0.003	0.171084	ug/L
Tl	203	18.000	-0.000	0.000064	ug/L
Tl	205	80.001	0.000	-0.000252	ug/L
Pb	208	10310.996	0.030	0.427820	ug/L
Bi	209	323448.250	323448.250		ug/L

99533

Sample Information

Sample ID: 1002038-24
Autosampler Position: 74
Sample Date/Time: Monday, February 22, 2010 21:16:19
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002038-24.086
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	345209.550	345209.550				ug/L
	Be	9	1.000	-0.000	-0.002746	0.005	167.075	ug/L
	V	51	5819.455	0.013	0.429064	0.012	2.846	ug/L
	Cu	63	5575.898	0.022	1.385918	0.038	2.740	ug/L
	Cu	65	2509.132	0.010	1.296766	0.011	0.810	ug/L
	Zn	66	2914.957	0.011	2.739846	0.013	0.465	ug/L
	Zn	68	2527.473	0.009	3.058264	0.094	3.066	ug/L
>	Ge	72	245758.335	245758.335				ug/L
	As	75	1590.270	0.006	1.196986	0.029	2.436	ug/L
	Se	77	128.669	0.000	0.023427	0.077	328.852	ug/L
	Se	82	-48.521	0.000	0.080030	0.004	4.848	ug/L
>	Rh	103	297919.637	297919.637				ug/L
	Ag	107	45.334	0.000	0.004003	0.001	33.074	ug/L
	Cd	111	-5.977	-0.000	-0.003784	0.003	69.782	ug/L
	Cd	114	37.305	0.000	0.006964	0.001	12.648	ug/L
>	In	115	240143.021	240143.021				ug/L
	Sb	121	4587.185	0.019	0.761060	0.013	1.661	ug/L
	Sb	123	3486.508	0.014	0.756422	0.026	3.403	ug/L
	Tl	203	27.000	-0.000	-0.001605	0.001	32.345	ug/L
	Tl	205	70.668	-0.000	-0.000817	0.000	44.599	ug/L
	Pb	208	120111.094	0.369	5.217776	0.122	2.335	ug/L
>	Bi	209	324289.408	324289.408				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.351
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.730
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.791
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.622

Sample ID: 1002038-24
Report Date/Time: Monday, February 22, 2010 21:18:07

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.849

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	344873.788	344873.788		ug/L
	Be	9	0.000	-0.000	-0.007362	ug/L
	V	51	5992.358	0.014	0.443149	ug/L
	Cu	63	5514.183	0.022	1.354339	ug/L
	Cu	65	2518.488	0.010	1.265787	ug/L
	Zn	66	2980.843	0.011	2.752705	ug/L
	Zn	68	2523.471	0.009	3.018411	ug/L
>	Ge	72	248497.084	248497.084		ug/L
	As	75	1637.745	0.008	1.219981	ug/L
	Se	77	136.003	0.000	0.083740	ug/L
	Se	82	-48.482	0.000	0.084282	ug/L
>	Rh	103	298980.082	298980.082		ug/L
	Ag	107	49.001	0.000	0.004472	ug/L
	Cd	111	8.534	-0.000	-0.005214	ug/L
	Cd	114	41.547	0.000	0.007980	ug/L
>	In	115	242270.306	242270.306		ug/L
	Sb	121	4543.490	0.018	0.746810	ug/L
	Sb	123	3469.626	0.014	0.745772	ug/L
	Tl	203	25.000	-0.000	-0.001980	ug/L
	Tl	205	75.001	-0.000	0.000860	ug/L
	Pb	208	119386.710	0.358	5.077188	ug/L
>	Bi	209	331089.988	331089.988		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	342132.521	342132.521		ug/L
	Be	9	1.000	-0.000	-0.002688	ug/L
	V	51	5758.809	0.013	0.422584	ug/L
	Cu	63	5525.181	0.022	1.375356	ug/L
	Cu	65	2508.486	0.010	1.297781	ug/L
	Zn	66	2898.618	0.011	2.727245	ug/L
	Zn	68	2602.500	0.010	3.166811	ug/L
>	Ge	72	245298.297	245298.297		ug/L
	As	75	1509.679	0.008	1.206788	ug/L
	Se	77	120.002	-0.000	-0.063358	ug/L
	Se	82	-48.580	0.000	0.079086	ug/L
>	Rh	103	296946.631	296946.631		ug/L
	Ag	107	34.000	0.000	0.002509	ug/L
	Cd	111	0.562	0.000	-0.000737	ug/L
	Cd	114	34.402	0.000	0.006289	ug/L
>	In	115	242191.116	242191.116		ug/L
	Sb	121	4650.560	0.019	0.765016	ug/L
	Sb	123	3431.481	0.014	0.737714	ug/L
	Tl	203	25.000	-0.000	-0.001848	ug/L
	Tl	205	74.001	0.000	0.000568	ug/L
	Pb	208	120400.859	0.374	5.292656	ug/L
>	Bi	209	320402.545	320402.545		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	346622.381	346622.381		ug/L
	Be	9	2.000	0.000	0.001813	ug/L
	V	51	5707.398	0.013	0.421456	ug/L
	Cu	63	5688.321	0.023	1.429081	ug/L
	Cu	65	2504.464	0.010	1.308730	ug/L
	Zn	66	2887.612	0.011	2.739580	ug/L
	Zn	68	2458.447	0.009	2.993572	ug/L
>	Ge	72	243479.615	243479.615		ug/L
	As	75	1533.386	0.008	1.164189	ug/L
	Se	77	130.002	0.000	0.049887	ug/L
	Se	82	48.521	0.000	0.078704	ug/L
>	Rh	103	297852.199	297852.199		ug/L
	Ag	107	53.001	0.000	0.005029	ug/L
	Cd	111	8.534	0.000	0.006401	ug/L
	Cd	114	35.988	0.000	0.008643	ug/L
>	In	115	235987.641	235987.641		ug/L
	Sb	121	4567.508	0.019	0.771254	ug/L
	Sb	123	3568.418	0.015	0.785782	ug/L
	Tl	203	27.000	0.000	0.001998	ug/L
	Tl	205	63.001	0.000	0.001234	ug/L
	Pb	208	120586.714	0.373	5.283485	ug/L
>	Bi	209	321398.714	321398.714		ug/L

00535

Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 22, 2010 21:19:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.087
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	342373.183	342373.183				ug/L
⌊	Be	9	8041.272	0.023	37.554674	0.591	1.575	ug/L
⌈	V	51	281184.230	1.154	37.161064	0.345	0.930	ug/L
|	Cu	63	150069.922	0.621	39.022197	0.293	0.750	ug/L
|	Cu	65	71662.742	0.296	38.937185	0.180	0.462	ug/L
|	Zn	66	38602.081	0.159	38.391591	0.226	0.588	ug/L
|	Zn	68	28160.351	0.116	38.224438	0.379	0.991	ug/L
|>	Ge	72	241561.790	241561.790				ug/L
|	As	75	49377.822	0.204	38.914726	0.503	1.294	ug/L
|	Se	77	3734.680	0.015	37.847568	0.635	1.677	ug/L
⌊	Se	82	4883.029	0.020	37.122159	0.343	0.924	ug/L
⌈>	Rh	103	294205.040	294205.040				ug/L
|	Ag	107	286079.993	0.972	38.634933	0.357	0.925	ug/L
|	Cd	111	65404.648	0.222	37.343281	0.614	1.644	ug/L
⌊	Cd	114	154983.643	0.527	38.085655	0.489	1.284	ug/L
⌈>	In	115	235620.107	235620.107				ug/L
|	Sb	121	212982.111	0.904	36.501949	1.166	3.193	ug/L
⌊	Sb	123	162323.013	0.689	36.315453	0.873	2.404	ug/L
⌈	Tl	203	269612.597	0.833	37.817972	0.450	1.191	ug/L
|	Tl	205	652619.082	2.016	38.591770	0.778	2.016	ug/L
|	Pb	208	864428.971	2.669	37.758380	0.666	1.763	ug/L
⌊>	Bi	209	323726.077	323726.077				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.567
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.044
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.547
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	96.764

20536

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	97.679

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	342801.208	342801.208		ug/L
Be	9	7900.446	0.023	36.872011	ug/L
V	51	279581.328	1.144	36.834127	ug/L
Cu	63	149516.128	0.816	36.780008	ug/L
Cu	65	71498.775	0.286	36.730276	ug/L
Zn	66	38537.082	0.158	36.210518	ug/L
Zn	68	27927.788	0.114	37.789788	ug/L
Ge	72	242293.288	242293.288		ug/L
As	75	49647.383	0.204	36.930114	ug/L
Se	77	3717.004	0.018	37.543728	ug/L
Se	82	4848.341	0.020	36.738108	ug/L
Rh	103	283480.883	283480.883		ug/L
Ag	107	287471.497	0.980	36.920038	ug/L
Cd	111	65883.411	0.225	37.788878	ug/L
Cd	114	156879.981	0.535	36.848588	ug/L
In	115	235577.627	235577.627		ug/L
Sb	121	205371.607	0.872	35.203388	ug/L
Sb	123	158026.771	0.671	35.380175	ug/L
Tl	203	271881.388	0.924	37.398737	ug/L
Tl	205	650049.317	1.988	37.692225	ug/L
Pb	208	864297.256	2.617	37.019510	ug/L
Bi	209	330081.873	330081.873		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	344374.521	344374.521		ug/L
Be	9	8158.738	0.024	37.881610	ug/L
V	51	283129.087	1.165	37.522433	ug/L
Cu	63	150874.253	0.828	39.337839	ug/L
Cu	65	71631.082	0.297	39.025652	ug/L
Zn	66	38425.462	0.158	38.319519	ug/L
Zn	68	28211.886	0.116	38.399493	ug/L
Ge	72	240908.514	240908.514		ug/L
As	75	49870.809	0.207	39.410277	ug/L
Se	77	3794.048	0.018	38.577120	ug/L
Se	82	4885.204	0.021	37.237803	ug/L
Rh	103	283024.500	283024.500		ug/L
Ag	107	285796.185	0.975	38.750701	ug/L
Cd	111	65835.380	0.224	37.823706	ug/L
Cd	114	153377.983	0.523	37.842073	ug/L
In	115	236068.089	236068.089		ug/L
Sb	121	215386.278	0.912	36.845184	ug/L
Sb	123	163516.581	0.693	36.614258	ug/L
Tl	203	268606.904	0.832	37.780883	ug/L
Tl	205	658606.808	2.040	39.041377	ug/L
Pb	208	866824.050	2.682	37.944879	ug/L
Bi	209	322958.921	322958.921		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	340143.820	340143.820		ug/L
Be	9	8064.631	0.024	37.910402	ug/L
V	51	280842.292	1.153	37.126633	ug/L
Cu	63	149819.388	0.820	38.968745	ug/L
Cu	65	71858.380	0.297	39.056628	ug/L
Zn	66	38843.718	0.160	38.644736	ug/L
Zn	68	28341.398	0.116	38.484021	ug/L
Ge	72	241485.589	241485.589		ug/L
As	75	48715.206	0.202	38.403788	ug/L
Se	77	3692.991	0.015	37.421856	ug/L
Se	82	4817.542	0.021	37.392586	ug/L
Rh	103	296128.737	296128.737		ug/L
Ag	107	284973.298	0.962	38.234061	ug/L
Cd	111	64506.171	0.218	36.838182	ug/L
Cd	114	154603.005	0.522	37.766306	ug/L
In	115	235223.604	235223.604		ug/L
Sb	121	218188.452	0.927	37.457298	ug/L
Sb	123	165425.688	0.703	37.071824	ug/L
Tl	203	266349.480	0.843	38.294187	ug/L
Tl	205	649001.118	2.040	39.040709	ug/L
Pb	208	862165.810	2.708	38.310750	ug/L
Bi	209	318157.435	318157.435		ug/L

02537

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 21:28:16
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.088
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	338951.332	338951.332				ug/L
⌊	Be	9	0.667	-0.000	-0.004253	0.005	126.601	ug/L
⌈	V	51	2312.572	-0.001	-0.025156	0.005	18.443	ug/L
|	Cu	63	188.004	0.000	0.008027	0.003	39.121	ug/L
|	Cu	65	96.668	0.000	0.007729	0.004	47.909	ug/L
|	Zn	66	154.003	0.000	0.035258	0.015	42.796	ug/L
|	Zn	68	297.009	0.000	0.062658	0.021	34.278	ug/L
|>	Ge	72	241504.906	241504.906				ug/L
|	As	75	-32.096	-0.000	-0.061156	0.020	33.177	ug/L
|	Se	77	118.669	-0.000	-0.057925	0.087	150.203	ug/L
⌊	Se	82	-40.039	0.000	0.137414	0.116	84.108	ug/L
⌈>	Rh	103	293677.019	293677.019				ug/L
|	Ag	107	56.334	0.000	0.005582	0.001	10.605	ug/L
|	Cd	111	3.907	0.000	0.001823	0.002	113.063	ug/L
⌊	Cd	114	11.870	0.000	0.000833	0.001	81.749	ug/L
⌈>	In	115	235685.854	235685.854				ug/L
|	Sb	121	558.028	0.002	0.084946	0.009	10.030	ug/L
⌊	Sb	123	410.969	0.002	0.082545	0.005	6.480	ug/L
⌈	Tl	203	35.334	-0.000	-0.000340	0.001	317.404	ug/L
|	Tl	205	78.335	-0.000	-0.000272	0.000	140.445	ug/L
|	Pb	208	1584.417	0.003	0.047387	0.010	20.762	ug/L
⌊>	Bi	209	318255.326	318255.326				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.622
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.021
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.370
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	96.791

00538

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

96.028

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	333929 602	333929 602		ug/L
	Be	9	0 000	0 000	0 007382	ug/L
	V	51	2325 128	-0 001	0 023013	ug/L
	Cu	63	200 005	0 000	0 011229	ug/L
	Cu	65	95 002	0 000	0 006898	ug/L
	Zn	66	161 003	0 000	0 042462	ug/L
	Zn	68	298 008	0 000	0 065083	ug/L
>	Ge	72	241143 308	241143 308		ug/L
	As	75	43 257	-0 000	0 070030	ug/L
	Se	77	124 002	0 000	0 000010	ug/L
	Se	82	-57 412	0 000	0 006296	ug/L
>	Rh	103	292104 954	292104 954		ug/L
	Ag	107	61 001	0 000	0 006257	ug/L
	Cd	111	7 978	0 000	0 004188	ug/L
	Cd	114	13 051	0 000	0 001143	ug/L
>	In	115	239827 063	239827 063		ug/L
	Sb	121	619 033	0 002	0 093732	ug/L
	Sb	123	444 137	0 002	0 088380	ug/L
	Tl	203	27 000	-0 000	0 001877	ug/L
	Tl	205	72 001	-0 000	0 000701	ug/L
	Pb	208	1407 088	0 003	0 039780	ug/L
>	Bi	209	321582 883	321582 883		ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	339881 351	339881 351		ug/L
	Be	9	0 000	-0 000	-0 007382	ug/L
	V	51	2342 487	-0 001	-0 021975	ug/L
	Cu	63	188 004	0 000	0 007898	ug/L
	Cu	65	91 001	0 000	0 004514	ug/L
	Zn	66	137 003	0 000	0 017817	ug/L
	Zn	68	261 008	0 000	0 009711	ug/L
>	Ge	72	242132 987	242132 987		ug/L
	As	75	-50 381	0 000	-0 075498	ug/L
	Se	77	123 002	0 000	-0 015790	ug/L
	Se	82	34 278	0 000	0 181442	ug/L
>	Rh	103	292831 811	292831 811		ug/L
	Ag	107	53 001	0 000	0 005148	ug/L
	Cd	111	2 474	0 000	0 000998	ug/L
	Cd	114	8 870	0 000	0 000052	ug/L
>	In	115	233853 098	233853 098		ug/L
	Sb	121	550 027	0 002	0 084398	ug/L
	Sb	123	402 388	0 002	0 081380	ug/L
	Tl	203	39 000	0 000	0 000136	ug/L
	Tl	205	81 001	-0 000	-0 000147	ug/L
	Pb	208	1550 079	0 003	0 045298	ug/L
>	Bi	209	320421 381	320421 381		ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	342943 043	342943 043		ug/L
	Be	9	7 000	0 000	0 001984	ug/L
	V	51	2270 123	0 001	-0 030478	ug/L
	Cu	63	176 004	0 000	0 004952	ug/L
	Cu	65	104 002	0 000	0 011778	ug/L
	Zn	66	164 004	0 000	0 045398	ug/L
	Zn	68	311 010	0 000	0 082280	ug/L
>	Ge	72	241238 442	241238 442		ug/L
	As	75	-2 649	0 000	-0 037841	ug/L
	Se	77	109 002	-0 000	-0 157975	ug/L
	Se	82	28 427	0 000	0 224808	ug/L
>	Rh	103	295994 282	295994 282		ug/L
	Ag	107	55 001	0 000	0 005342	ug/L
	Cd	111	1 269	0 000	0 000301	ug/L
	Cd	114	13 885	0 000	0 001306	ug/L
>	In	115	233577 400	233577 400		ug/L
	Sb	121	505 023	0 002	0 076718	ug/L
	Sb	123	386 386	0 001	0 077875	ug/L
	Tl	203	40 001	0 000	0 000418	ug/L
	Tl	205	82 001	0 000	0 000032	ug/L
	Pb	208	1798 106	0 004	0 058102	ug/L
>	Bi	209	312761 754	312761 754		ug/L

99539

Sample Information

Sample ID: 1001399-BLK2
Autosampler Position: 75
Sample Date/Time: Monday, February 22, 2010 21:37:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001399-BLK2.089
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	342540.254	342540.254				ug/L
⌊	Be	9	0.667	-0.000	-0.004286	0.005	124.323	ug/L
⌈	V	51	2539.271	0.000	0.000611	0.003	562.565	ug/L
|	Cu	63	556.694	0.002	0.102113	0.003	3.171	ug/L
|	Cu	65	251.340	0.001	0.090129	0.013	14.817	ug/L
|	Zn	66	1932.281	0.007	1.784349	0.031	1.731	ug/L
|	Zn	68	1531.513	0.005	1.726272	0.057	3.280	ug/L
|>	Ge	72	244736.628	244736.628				ug/L
|	As	75	-30.208	-0.000	-0.059284	0.022	36.277	ug/L
|	Se	77	122.669	-0.000	-0.032348	0.184	567.555	ug/L
⌊	Se	82	-62.222	-0.000	-0.023790	0.171	720.759	ug/L
⌈>	Rh	103	298124.531	298124.531				ug/L
|	Ag	107	35.000	0.000	0.002621	0.001	21.715	ug/L
|	Cd	111	2.495	0.000	0.000985	0.002	228.713	ug/L
⌊	Cd	114	6.579	-0.000	-0.000489	0.000	93.898	ug/L
⌈>	In	115	238834.789	238834.789				ug/L
|	Sb	121	246.007	0.001	0.030999	0.001	4.121	ug/L
⌊	Sb	123	209.376	0.001	0.036903	0.003	7.664	ug/L
⌈	Tl	203	19.334	-0.000	-0.002707	0.001	41.011	ug/L
|	Tl	205	61.334	-0.000	-0.001380	0.000	18.339	ug/L
|	Pb	208	1294.726	0.002	0.033229	0.003	8.922	ug/L
⌊>	Bi	209	325199.491	325199.491				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.614
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.319
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.860
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.084

00540

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.124

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	340193.088	340193.088		ug/L
Be	9	0.000	-0.000	-0.007362	ug/L
V	51	2571.743	0.000	0.002570	ug/L
Cu	63	547.028	0.002	0.099868	ug/L
Cu	65	235.008	0.001	0.080442	ug/L
Zn	66	1808.274	0.007	1.748711	ug/L
Zn	68	1486.171	0.006	1.663133	ug/L
Ge	72	246422.010	246422.010		ug/L
As	75	-62.410	-0.000	0.084108	ug/L
Se	77	104.002	-0.000	-0.233423	ug/L
Se	82	40.372	0.000	0.141034	ug/L
Rh	103	298122.118	298122.118		ug/L
Ag	107	31.000	0.000	0.002081	ug/L
Cd	111	-2.098	-0.000	-0.001600	ug/L
Cd	114	8.018	-0.000	-0.000143	ug/L
In	115	236338.656	236338.656		ug/L
Sb	121	252.007	0.001	0.032464	ug/L
Sb	123	220.628	0.001	0.039878	ug/L
Tl	203	26.000	-0.000	-0.001838	ug/L
Tl	205	66.001	-0.000	-0.001189	ug/L
Pb	208	1280.068	0.002	0.031336	ug/L
Bi	209	332414.308	332414.308		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	340864.533	340864.533		ug/L
Be	9	0.000	-0.000	-0.007362	ug/L
V	51	2508.035	-0.000	-0.003367	ug/L
Cu	63	568.028	0.002	0.105076	ug/L
Cu	65	241.008	0.001	0.084563	ug/L
Zn	66	1948.285	0.007	1.800811	ug/L
Zn	68	1568.187	0.006	1.772519	ug/L
Ge	72	244630.980	244630.980		ug/L
As	75	-13.380	-0.000	0.046271	ug/L
Se	77	136.003	0.000	0.126344	ug/L
Se	82	60.600	0.000	-0.011196	ug/L
Rh	103	301987.748	301987.748		ug/L
Ag	107	40.001	0.000	0.003223	ug/L
Cd	111	5.288	0.000	0.002522	ug/L
Cd	114	4.501	-0.000	-0.001010	ug/L
In	115	239892.287	239892.287		ug/L
Sb	121	241.008	0.001	0.030478	ug/L
Sb	123	208.378	0.001	0.036588	ug/L
Tl	203	22.000	-0.000	-0.002326	ug/L
Tl	205	63.001	0.000	-0.001288	ug/L
Pb	208	1264.068	0.002	0.031702	ug/L
Bi	209	329082.158	329082.158		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	346873.144	346873.144		ug/L
Be	9	2.000	0.000	0.001867	ug/L
V	51	2538.038	0.000	0.002619	ug/L
Cu	63	555.027	0.002	0.102601	ug/L
Cu	65	278.008	0.001	0.105363	ug/L
Zn	66	1938.283	0.007	1.803524	ug/L
Zn	68	1534.180	0.005	1.743183	ug/L
Ge	72	243156.893	243156.893		ug/L
As	75	-14.834	-0.000	0.047473	ug/L
Se	77	126.002	0.000	0.010036	ug/L
Se	82	85.898	0.000	-0.201208	ug/L
Rh	103	294283.727	294283.727		ug/L
Ag	107	34.000	0.000	0.002560	ug/L
Cd	111	4.294	0.000	0.002031	ug/L
Cd	114	7.218	0.000	-0.000314	ug/L
In	115	243273.416	243273.416		ug/L
Sb	121	245.007	0.001	0.030084	ug/L
Sb	123	201.124	0.001	0.034246	ug/L
Tl	203	10.000	-0.000	0.003967	ug/L
Tl	205	55.001	-0.000	-0.001688	ug/L
Pb	208	1340.083	0.003	0.036646	ug/L
Bi	209	317102.013	317102.013		ug/L

Sample ID: 1001399-BLK2
Report Date/Time: Monday, February 22, 2010 21:39:38

Sample Information

Sample ID: 1001399-BS2
Autosampler Position: 76
Sample Date/Time: Monday, February 22, 2010 21:41:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001399-BS2.090
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	345637.878	345637.878				ug/L
	Be	9	3816.724	0.011	17.653892	0.305	1.728	ug/L
	V	51	142986.957	0.570	18.375521	0.333	1.815	ug/L
	Cu	63	74935.130	0.304	19.099081	0.353	1.846	ug/L
	Cu	65	35665.510	0.145	18.991760	0.209	1.100	ug/L
	Zn	66	19294.888	0.078	18.767948	0.202	1.076	ug/L
	Zn	68	14118.749	0.056	18.628222	0.095	0.509	ug/L
>	Ge	72	246194.875	246194.875				ug/L
	As	75	23307.957	0.094	18.003502	0.263	1.463	ug/L
	Se	77	1819.584	0.007	17.413381	0.766	4.399	ug/L
	Se	82	2293.345	0.010	17.342004	0.133	0.767	ug/L
>	Rh	103	296598.401	296598.401				ug/L
	Ag	107	138946.963	0.468	18.612378	0.310	1.667	ug/L
	Cd	111	31415.278	0.106	17.791717	0.248	1.395	ug/L
	Cd	114	73435.062	0.248	17.898933	0.069	0.385	ug/L
>	In	115	238755.932	238755.932				ug/L
	Sb	121	107420.600	0.450	18.168798	0.553	3.043	ug/L
	Sb	123	82887.726	0.347	18.303988	0.727	3.972	ug/L
	Tl	203	134417.002	0.405	18.383110	0.222	1.208	ug/L
	Tl	205	319735.839	0.963	18.434343	0.337	1.831	ug/L
	Pb	208	429679.443	1.293	18.289965	0.328	1.791	ug/L
>	Bi	209	331955.407	331955.407				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.469
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.905
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.349
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.052

90542

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.162

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	351474.172	351474.172		ug/L
Be	9	3859.081	0.011	17.552103	ug/L
V	51	141995.036	0.561	18.080783	ug/L
Cu	63	74003.113	0.297	18.693073	ug/L
Cu	65	35578.744	0.143	18.777388	ug/L
Zn	66	19448.638	0.078	18.751213	ug/L
Zn	68	14325.494	0.057	18.737256	ug/L
Ge	72	248379.084	248379.084		ug/L
As	75	23541.444	0.095	18.024412	ug/L
Se	77	1801.245	0.007	17.061176	ug/L
Se	82	2330.986	0.010	17.498014	ug/L
Rh	103	297366.576	297366.576		ug/L
Ag	107	136738.731	0.460	18.268210	ug/L
Cd	111	31398.788	0.106	17.738043	ug/L
Cd	114	73826.870	0.248	17.947817	ug/L
In	115	242980.854	242980.854		ug/L
Sb	121	106518.727	0.434	17.530880	ug/L
Sb	123	80759.031	0.332	17.515384	ug/L
Tl	203	135422.025	0.406	18.387883	ug/L
Tl	205	317408.218	0.948	18.148109	ug/L
Pb	208	429878.911	1.274	18.023740	ug/L
Bi	209	334688.844	334688.844		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	341990.977	341990.977		ug/L
Be	9	3850.076	0.011	17.996908	ug/L
V	51	144841.567	0.582	18.737491	ug/L
Cu	63	75153.037	0.307	19.275426	ug/L
Cu	65	35818.942	0.148	19.194550	ug/L
Zn	66	18976.383	0.077	18.574864	ug/L
Zn	68	13981.811	0.056	18.564573	ug/L
Ge	72	244634.084	244634.084		ug/L
As	75	22808.945	0.093	17.730337	ug/L
Se	77	1757.234	0.007	16.886740	ug/L
Se	82	2280.088	0.009	17.203807	ug/L
Rh	103	297842.819	297842.819		ug/L
Ag	107	140179.843	0.471	18.698276	ug/L
Cd	111	31168.335	0.105	17.576027	ug/L
Cd	114	73419.074	0.246	17.820129	ug/L
In	115	234624.651	234624.651		ug/L
Sb	121	107576.098	0.438	18.509802	ug/L
Sb	123	84364.011	0.358	18.947437	ug/L
Tl	203	133648.062	0.400	18.169099	ug/L
Tl	205	320172.567	0.959	18.348478	ug/L
Pb	208	429928.404	1.286	18.190411	ug/L
Bi	209	333814.940	333814.940		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	343448.466	343448.466		ug/L
Be	9	3741.017	0.011	17.412667	ug/L
V	51	142124.270	0.568	18.308278	ug/L
Cu	63	75649.238	0.307	19.328744	ug/L
Cu	65	35598.844	0.148	19.003341	ug/L
Zn	66	19459.688	0.079	18.977776	ug/L
Zn	68	14048.943	0.056	18.582839	ug/L
Ge	72	245571.449	245571.449		ug/L
As	75	23573.483	0.096	18.256757	ug/L
Se	77	1900.272	0.007	18.292226	ug/L
Se	82	2288.983	0.010	17.353191	ug/L
Rh	103	294586.808	294586.808		ug/L
Ag	107	139924.615	0.475	18.670647	ug/L
Cd	111	31679.712	0.108	18.063080	ug/L
Cd	114	73059.240	0.248	17.926867	ug/L
In	115	238862.290	238862.290		ug/L
Sb	121	109186.977	0.457	18.468732	ug/L
Sb	123	83550.133	0.350	18.449133	ug/L
Tl	203	134180.918	0.410	18.612369	ug/L
Tl	205	321625.730	0.983	18.808442	ug/L
Pb	208	432131.014	1.319	18.655745	ug/L
Bi	209	327264.438	327264.438		ug/L

99543

Sample Information

Sample ID: 1002144-01
Autosampler Position: 77
Sample Date/Time: Monday, February 22, 2010 21:50:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-01.091
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	337093.298	337093.298				ug/L
⌊	Be	9	2.000	0.000	0.002110	0.005	222.562	ug/L
⌈	V	51	5297.469	0.011	0.357601	0.017	4.623	ug/L
|	Cu	63	8161.742	0.032	2.038072	0.029	1.413	ug/L
|	Cu	65	3823.395	0.015	1.990371	0.021	1.033	ug/L
|	Zn	66	1865.929	0.007	1.703196	0.069	4.055	ug/L
⌊	Zn	68	1762.902	0.006	2.018573	0.077	3.833	ug/L
|>	Ge	72	246851.905	246851.905				ug/L
|	As	75	1446.131	0.006	1.080668	0.059	5.492	ug/L
|	Se	77	133.669	0.000	0.069165	0.044	64.038	ug/L
⌊	Se	82	-57.514	0.000	0.015773	0.063	399.541	ug/L
⌈>	Rh	103	303672.001	303672.001				ug/L
|	Ag	107	167.337	0.001	0.019898	0.003	15.557	ug/L
|	Cd	111	16.758	0.000	0.008796	0.004	43.157	ug/L
⌊	Cd	114	51.225	0.000	0.010114	0.000	4.081	ug/L
⌈>	In	115	240165.740	240165.740				ug/L
|	Sb	121	4554.498	0.019	0.755469	0.021	2.773	ug/L
⌊	Sb	123	3442.319	0.014	0.746377	0.012	1.589	ug/L
⌈	Tl	203	31.667	-0.000	-0.001062	0.001	78.830	ug/L
|	Tl	205	64.668	-0.000	-0.001247	0.000	16.129	ug/L
|	Pb	208	32415.278	0.096	1.362870	0.060	4.385	ug/L
⌊>	Bi	209	331113.537	331113.537				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.109
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.169
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	101.718
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.631

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.908

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	335231.521	335231.521		ug/L
Be	9	1.000	-0.000	-0.002562	ug/L
V	51	5288.188	0.011	0.358625	ug/L
Cu	63	8072.840	0.032	2.022617	ug/L
Cu	65	3864.078	0.015	2.013960	ug/L
Zn	66	1800.248	0.007	1.645258	ug/L
Zn	68	1822.251	0.008	2.105686	ug/L
Ge	72	245879.126	245879.126		ug/L
As	75	1486.452	0.008	1.115637	ug/L
Se	77	138.003	0.000	0.118516	ug/L
Se	82	50.521	0.000	0.085623	ug/L
Rh	103	309811.852	309811.852		ug/L
Ag	107	146.003	0.000	0.016966	ug/L
Cd	111	23.671	0.000	0.012531	ug/L
Cd	114	50.353	0.000	0.009671	ug/L
In	115	239967.561	239967.561		ug/L
Sb	121	4488.461	0.018	0.746831	ug/L
Sb	123	3493.637	0.014	0.756328	ug/L
Tl	203	39.000	-0.000	0.000209	ug/L
Tl	205	68.001	0.000	-0.001347	ug/L
Pb	208	31906.843	0.092	1.297144	ug/L
Bi	209	341852.582	341852.582		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	337264.986	337264.986		ug/L
Be	9	2.000	0.000	0.002121	ug/L
V	51	5150.742	0.011	0.349580	ug/L
Cu	63	8266.884	0.033	2.071288	ug/L
Cu	65	3785.040	0.015	1.976135	ug/L
Zn	66	1838.282	0.007	1.779814	ug/L
Zn	68	1715.223	0.008	1.981848	ug/L
Ge	72	246092.949	246092.949		ug/L
As	75	1486.321	0.008	1.114229	ug/L
Se	77	132.003	0.000	0.056118	ug/L
Se	82	-54.458	0.000	0.038761	ug/L
Rh	103	304780.538	304780.538		ug/L
Ag	107	170.004	0.001	0.020122	ug/L
Cd	111	18.936	0.000	0.009914	ug/L
Cd	114	51.734	0.000	0.010185	ug/L
In	115	238910.504	238910.504		ug/L
Sb	121	4572.575	0.019	0.778388	ug/L
Sb	123	3370.948	0.014	0.734613	ug/L
Tl	203	25.000	0.000	0.001882	ug/L
Tl	205	61.001	-0.000	0.001378	ug/L
Pb	208	32683.000	0.100	1.413968	ug/L
Bi	209	323683.652	323683.652		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	338783.386	338783.386		ug/L
Be	9	3.000	0.000	0.006800	ug/L
V	51	5455.500	0.012	0.373599	ug/L
Cu	63	8145.723	0.032	2.020312	ug/L
Cu	65	3831.066	0.015	1.981029	ug/L
Zn	66	1859.261	0.007	1.684716	ug/L
Zn	68	1751.232	0.008	1.987408	ug/L
Ge	72	248483.638	248483.638		ug/L
As	75	1366.618	0.008	1.012137	ug/L
Se	77	131.003	0.000	0.032861	ug/L
Se	82	67.561	0.000	-0.055084	ug/L
Rh	103	298623.614	298623.614		ug/L
Ag	107	186.004	0.001	0.022875	ug/L
Cd	111	9.467	0.000	0.004942	ug/L
Cd	114	51.590	0.000	0.010487	ug/L
In	115	241629.157	241629.157		ug/L
Sb	121	4492.457	0.018	0.740389	ug/L
Sb	123	3462.370	0.014	0.746192	ug/L
Tl	203	31.000	0.000	0.001086	ug/L
Tl	205	68.001	0.000	0.001018	ug/L
Pb	208	32456.983	0.097	1.377508	ug/L
Bi	209	327804.378	327804.378		ug/L

00545

Sample Information

Sample ID: 1002144-02
Autosampler Position: 78
Sample Date/Time: Monday, February 22, 2010 21:53:37
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-02.092
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	343014.381	343014.381				ug/L
⌊	Be	9	1.667	0.000	0.000406	0.003	661.158	ug/L
⌈	V	51	2820.939	0.001	0.037334	0.009	23.004	ug/L
|	Cu	63	1824.918	0.007	0.427476	0.019	4.404	ug/L
|	Cu	65	998.746	0.004	0.490769	0.007	1.391	ug/L
|	Zn	66	906.400	0.003	0.773351	0.045	5.845	ug/L
|	Zn	68	971.743	0.003	0.967768	0.041	4.277	ug/L
|>	Ge	72	245001.243	245001.243				ug/L
|	As	75	27.292	-0.000	-0.014693	0.012	82.377	ug/L
|	Se	77	127.002	0.000	0.010733	0.039	367.817	ug/L
⌊	Se	82	-35.052	0.000	0.178367	0.109	61.165	ug/L
⌈>	Rh	103	295469.818	295469.818				ug/L
|	Ag	107	53.667	0.000	0.005183	0.001	24.566	ug/L
|	Cd	111	4.780	0.000	0.002289	0.004	160.463	ug/L
⌊	Cd	114	23.787	0.000	0.003731	0.000	7.651	ug/L
⌈>	In	115	241969.118	241969.118				ug/L
|	Sb	121	566.695	0.002	0.083946	0.004	4.995	ug/L
⌊	Sb	123	416.261	0.002	0.081346	0.001	1.587	ug/L
⌈	Tl	203	36.000	-0.000	-0.000351	0.000	86.727	ug/L
|	Tl	205	79.335	-0.000	-0.000305	0.000	155.514	ug/L
|	Pb	208	1911.785	0.004	0.060271	0.001	1.955	ug/L
⌊>	Bi	209	324284.747	324284.747				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.745
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.426
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.971
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.372

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	97.848

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	340613.843	340613.843		ug/L
Be	9	2.000	0.000	0.002031	ug/L
V	51	2786.975	0.001	0.030427	ug/L
Cu	63	1875.268	0.007	0.437211	ug/L
Cu	65	1019.083	0.004	0.498125	ug/L
Zn	66	884.081	0.003	0.725818	ug/L
Zn	68	1013.082	0.003	1.014658	ug/L
Ge	72	246808.313	246808.313		ug/L
As	75	34.088	-0.000	-0.009610	ug/L
Se	77	129.002	0.000	0.018802	ug/L
Se	82	-18.324	0.000	0.303501	ug/L
Rh	103	298125.870	298125.870		ug/L
Ag	107	53.001	0.000	0.006071	ug/L
Cd	111	0.941	-0.000	-0.000953	ug/L
Cd	114	23.836	0.000	0.003732	ug/L
In	115	246284.320	246284.320		ug/L
Sb	121	805.032	0.002	0.088815	ug/L
Sb	123	430.388	0.002	0.082786	ug/L
Tl	203	39.000	-0.000	-0.000017	ug/L
Tl	205	87.001	0.000	0.000086	ug/L
Pb	208	1924.118	0.004	0.058432	ug/L
Bi	209	329658.748	329658.748		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	342339.075	342339.075		ug/L
Be	9	1.000	0.000	-0.002691	ug/L
V	51	2984.378	0.001	0.046950	ug/L
Cu	63	1832.256	0.007	0.428440	ug/L
Cu	65	966.078	0.004	0.489646	ug/L
Zn	66	940.071	0.003	0.815941	ug/L
Zn	68	939.071	0.003	0.937183	ug/L
Ge	72	242453.575	242453.575		ug/L
As	75	9.319	-0.000	-0.028525	ug/L
Se	77	130.002	0.000	0.055619	ug/L
Se	82	-41.411	0.000	0.128390	ug/L
Rh	103	292795.384	292795.384		ug/L
Ag	107	53.001	0.000	0.008508	ug/L
Cd	111	3.419	0.000	0.001542	ug/L
Cd	114	22.408	0.000	0.003446	ug/L
In	115	240723.722	240723.722		ug/L
Sb	121	543.029	0.002	0.060802	ug/L
Sb	123	412.135	0.002	0.080826	ug/L
Tl	203	34.000	0.000	0.000613	ug/L
Tl	205	70.001	0.000	-0.000841	ug/L
Pb	208	1894.121	0.004	0.059764	ug/L
Bi	209	323217.223	323217.223		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	346190.226	346190.226		ug/L
Be	9	2.000	0.000	0.001877	ug/L
V	51	2811.464	0.001	0.034624	ug/L
Cu	63	1747.231	0.006	0.405777	ug/L
Cu	65	991.079	0.004	0.484639	ug/L
Zn	66	915.068	0.003	0.778182	ug/L
Zn	68	963.075	0.003	0.951783	ug/L
Ge	72	245940.841	245940.841		ug/L
As	75	38.469	0.000	-0.008044	ug/L
Se	77	128.002	0.000	-0.004817	ug/L
Se	82	45.418	0.000	0.103211	ug/L
Rh	103	297488.499	297488.499		ug/L
Ag	107	45.001	0.000	0.003670	ug/L
Cd	111	11.863	0.000	0.008279	ug/L
Cd	114	29.197	0.000	0.004017	ug/L
In	115	238898.313	238898.313		ug/L
Sb	121	552.027	0.002	0.062720	ug/L
Sb	123	406.260	0.002	0.080316	ug/L
Tl	203	35.000	0.000	0.000422	ug/L
Tl	205	81.001	0.000	-0.000141	ug/L
Pb	208	1917.118	0.004	0.061619	ug/L
Bi	209	319981.273	319981.273		ug/L

00547

Sample Information

Sample ID: 1002144-03
Autosampler Position: 79
Sample Date/Time: Monday, February 22, 2010 21:56:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-03.093
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	342879.998	342879.998				ug/L
	Be	9	0.333	-0.000	-0.005829	0.003	45.570	ug/L
	V	51	2964.686	0.002	0.058486	0.030	51.006	ug/L
	Cu	63	5826.434	0.023	1.462409	0.023	1.564	ug/L
	Cu	65	2768.564	0.011	1.448041	0.007	0.484	ug/L
	Zn	66	1845.924	0.007	1.707417	0.054	3.180	ug/L
	Zn	68	1730.560	0.006	2.005708	0.055	2.719	ug/L
>	Ge	72	243679.233	243679.233				ug/L
	As	75	76.167	0.000	0.023424	0.040	170.410	ug/L
	Se	77	118.669	-0.000	-0.069335	0.085	123.304	ug/L
	Se	82	-37.469	0.000	0.158522	0.172	108.789	ug/L
>	Rh	103	293674.705	293674.705				ug/L
	Ag	107	49.001	0.000	0.004586	0.001	22.311	ug/L
	Cd	111	11.318	0.000	0.006061	0.002	30.213	ug/L
	Cd	114	28.046	0.000	0.004823	0.002	46.723	ug/L
>	In	115	239346.123	239346.123				ug/L
	Sb	121	3429.524	0.014	0.568219	0.008	1.471	ug/L
	Sb	123	2604.373	0.011	0.564411	0.012	2.052	ug/L
	Tl	203	42.001	0.000	0.000493	0.001	245.943	ug/L
	Tl	205	79.001	-0.000	-0.000314	0.001	218.407	ug/L
	Pb	208	4431.244	0.012	0.170741	0.003	1.623	ug/L
>	Bi	209	323382.917	323382.917				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	94.707
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.894
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.369
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.294

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.576

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	342321.251	342321.251		ug/L
Be	9	0.000	-0.000	0.007362	ug/L
V	51	3186.562	0.003	0.092638	ug/L
Cu	63	5738.381	0.023	1.457397	ug/L
Cu	65	2732.560	0.011	1.446158	ug/L
Zn	66	1886.288	0.007	1.768183	ug/L
Zn	68	1753.233	0.006	2.064431	ug/L
Ge	72	240812.418	240812.418		ug/L
As	75	18.024	-0.000	-0.021587	ug/L
Se	77	115.002	-0.000	-0.092858	ug/L
Se	82	45.380	0.000	0.098370	ug/L
Rh	103	296548.256	296548.256		ug/L
Ag	107	58.001	0.000	0.006787	ug/L
Cd	111	13.787	0.000	0.007406	ug/L
Cd	114	38.018	0.000	0.008724	ug/L
In	115	238278.017	238278.017		ug/L
Sb	121	3463.874	0.014	0.576584	ug/L
Sb	123	2541.848	0.010	0.553122	ug/L
Tl	203	53.001	0.000	0.001888	ug/L
Tl	205	88.001	0.000	0.000108	ug/L
Pb	208	4467.586	0.012	0.167853	ug/L
Bi	209	330882.824	330882.824		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	347623.388	347623.388		ug/L
Be	9	1.000	-0.000	-0.002762	ug/L
V	51	2894.322	0.001	0.045300	ug/L
Cu	63	5080.882	0.024	1.487308	ug/L
Cu	65	2784.871	0.011	1.442170	ug/L
Zn	66	1842.256	0.007	1.665882	ug/L
Zn	68	1711.222	0.006	1.956827	ug/L
Ge	72	248064.663	248064.663		ug/L
As	75	118.698	0.000	0.054524	ug/L
Se	77	129.002	0.000	0.025457	ug/L
Se	82	-11.512	0.000	0.353439	ug/L
Rh	103	298182.036	298182.036		ug/L
Ag	107	44.001	0.000	0.003882	ug/L
Cd	111	7.748	0.000	0.003978	ug/L
Cd	114	18.111	0.000	0.002334	ug/L
In	115	236980.955	236980.955		ug/L
Sb	121	3305.841	0.014	0.568202	ug/L
Sb	123	2532.008	0.011	0.576280	ug/L
Tl	203	36.000	0.000	0.000290	ug/L
Tl	205	65.001	0.000	-0.001108	ug/L
Pb	208	4424.581	0.012	0.172112	ug/L
Bi	209	320869.806	320869.806		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	338696.356	338696.356		ug/L
Be	9	0.000	-0.000	-0.007362	ug/L
V	51	2815.175	0.001	0.037518	ug/L
Cu	63	5780.379	0.023	1.442480	ug/L
Cu	65	2788.572	0.011	1.456798	ug/L
Zn	66	1809.247	0.007	1.667208	ug/L
Zn	68	1727.226	0.006	1.996086	ug/L
Ge	72	244170.819	244170.819		ug/L
As	75	93.778	0.000	0.037335	ug/L
Se	77	112.002	-0.000	0.140803	ug/L
Se	82	55.514	0.000	0.025758	ug/L
Rh	103	289318.823	289318.823		ug/L
Ag	107	45.001	0.000	0.004138	ug/L
Cd	111	12.438	0.000	0.006802	ug/L
Cd	114	30.010	0.000	0.005412	ug/L
In	115	242779.397	242779.397		ug/L
Sb	121	3429.867	0.014	0.559871	ug/L
Sb	123	2639.262	0.011	0.563860	ug/L
Tl	203	37.000	0.000	0.000121	ug/L
Tl	205	84.001	0.000	0.000058	ug/L
Pb	208	4411.586	0.012	0.172568	ug/L
Bi	209	316896.322	316896.322		ug/L

00549

Sample Information

Sample ID: 1002144-04
Autosampler Position: 80
Sample Date/Time: Monday, February 22, 2010 22:00:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-04.094
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	340735.668	340735.668				ug/L
⌊	Be	9	2.667	0.000	0.005176	0.006	106.490	ug/L
⌈	V	51	7572.405	0.021	0.670244	0.019	2.894	ug/L
|	Cu	63	1251.122	0.004	0.282861	0.010	3.707	ug/L
|	Cu	65	598.031	0.002	0.278625	0.019	6.712	ug/L
|	Zn	66	1076.092	0.004	0.948837	0.038	4.003	ug/L
|	Zn	68	1005.081	0.003	1.023864	0.043	4.239	ug/L
|>	Ge	72	243005.894	243005.894				ug/L
|	As	75	670.007	0.003	0.489684	0.047	9.609	ug/L
|	Se	77	134.669	0.000	0.101267	0.059	58.217	ug/L
⌊	Se	82	-44.823	0.000	0.103079	0.075	72.457	ug/L
⌈>	Rh	103	303733.931	303733.931				ug/L
|	Ag	107	32.667	0.000	0.002235	0.000	20.204	ug/L
|	Cd	111	4.959	0.000	0.002327	0.001	29.093	ug/L
⌊	Cd	114	16.793	0.000	0.001905	0.001	53.843	ug/L
⌈>	In	115	239039.393	239039.393				ug/L
|	Sb	121	291.676	0.001	0.038675	0.002	4.444	ug/L
⌊	Sb	123	225.129	0.001	0.040343	0.003	8.579	ug/L
⌈	Tl	203	25.334	-0.000	-0.001892	0.000	23.795	ug/L
|	Tl	205	68.334	-0.000	-0.000994	0.000	44.040	ug/L
|	Pb	208	3939.464	0.010	0.146764	0.004	2.988	ug/L
⌊>	Bi	209	328143.940	328143.940				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.115
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.624
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	101.739
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.168

09559

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.012

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	338712.129	338712.129		ug/L
Be	9	2.000	0.000	0.002081	ug/L
V	51	7807.928	0.021	0.083043	ug/L
Cu	63	1221.117	0.004	0.271348	ug/L
Cu	65	565.028	0.002	0.257080	ug/L
Zn	66	1088.084	0.004	0.946988	ug/L
Zn	68	1083.088	0.003	1.072987	ug/L
Ge	72	245883.931	245883.931		ug/L
As	75	622.212	0.002	0.446337	ug/L
Se	77	132.003	0.000	0.057374	ug/L
Se	82	37.474	0.000	0.161773	ug/L
Rh	103	303790.871	303790.871		ug/L
Ag	107	34.000	0.000	0.002406	ug/L
Cd	111	4.663	0.000	0.002270	ug/L
Cd	114	18.639	0.000	0.002348	ug/L
In	115	241891.844	241891.844		ug/L
Sb	121	265.008	0.001	0.036878	ug/L
Sb	123	217.880	0.001	0.036146	ug/L
Tl	203	30.000	-0.000	-0.001374	ug/L
Tl	205	87.001	-0.000	-0.001208	ug/L
Pb	208	3958.473	0.010	0.141871	ug/L
Bi	209	339242.426	339242.426		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	338433.382	338433.382		ug/L
Be	9	4.000	0.000	0.011540	ug/L
V	51	7653.083	0.021	0.662214	ug/L
Cu	63	1247.121	0.005	0.286381	ug/L
Cu	65	608.032	0.002	0.288147	ug/L
Zn	66	1102.086	0.004	0.969761	ug/L
Zn	68	983.077	0.003	1.008184	ug/L
Ge	72	240308.874	240308.874		ug/L
As	75	654.321	0.003	0.462984	ug/L
Se	77	131.003	0.000	0.078274	ug/L
Se	82	-55.529	0.000	0.018010	ug/L
Rh	103	306168.083	306168.083		ug/L
Ag	107	29.000	0.000	0.001723	ug/L
Cd	111	3.827	0.000	0.001680	ug/L
Cd	114	19.963	0.000	0.002634	ug/L
In	115	235375.587	235375.587		ug/L
Sb	121	287.008	0.001	0.038637	ug/L
Sb	123	239.629	0.001	0.044333	ug/L
Tl	203	23.000	0.000	0.002184	ug/L
Tl	205	63.001	-0.000	0.001288	ug/L
Pb	208	4001.478	0.011	0.150878	ug/L
Bi	209	325867.230	325867.230		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	345081.520	345081.520		ug/L
Be	9	2.000	0.000	0.001907	ug/L
V	51	7456.222	0.020	0.656474	ug/L
Cu	63	1285.126	0.006	0.291851	ug/L
Cu	65	620.033	0.002	0.290649	ug/L
Zn	66	1037.088	0.004	0.910791	ug/L
Zn	68	979.077	0.003	0.989710	ug/L
Ge	72	242624.877	242624.877		ug/L
As	75	733.487	0.003	0.539731	ug/L
Se	77	141.003	0.000	0.168254	ug/L
Se	82	41.466	0.000	0.128464	ug/L
Rh	103	301242.040	301242.040		ug/L
Ag	107	35.000	0.000	0.002578	ug/L
Cd	111	6.167	0.000	0.003031	ug/L
Cd	114	11.748	0.000	0.000732	ug/L
In	115	239850.749	239850.749		ug/L
Sb	121	303.008	0.001	0.040413	ug/L
Sb	123	217.880	0.001	0.036560	ug/L
Tl	203	23.000	0.000	-0.002119	ug/L
Tl	205	75.001	-0.000	-0.000491	ug/L
Pb	208	3857.439	0.010	0.147748	ug/L
Bi	209	319332.164	319332.164		ug/L

00551

Sample Information

Sample ID: 1002144-05
Autosampler Position: 81
Sample Date/Time: Monday, February 22, 2010 22:03:22
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-05.095
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	343636.890	343636.890				ug/L
⌊	Be	9	2.333	0.000	0.003481	0.003	73.852	ug/L
⌈	V	51	2660.489	0.001	0.016575	0.017	101.610	ug/L
|	Cu	63	826.389	0.003	0.171380	0.002	0.917	ug/L
|	Cu	65	419.350	0.001	0.180268	0.006	3.279	ug/L
|	Zn	66	1821.251	0.007	1.674736	0.068	4.050	ug/L
|	Zn	68	1445.828	0.005	1.610364	0.073	4.512	ug/L
\>	Ge	72	244750.763	244750.763				ug/L
|	As	75	88.656	0.000	0.033093	0.031	92.996	ug/L
|	Se	77	140.669	0.000	0.152954	0.074	48.658	ug/L
⌊	Se	82	-14.140	0.000	0.334110	0.164	49.023	ug/L
⌈>	Rh	103	299165.103	299165.103				ug/L
|	Ag	107	29.334	0.000	0.001858	0.000	24.673	ug/L
|	Cd	111	5.444	0.000	0.002645	0.003	97.447	ug/L
⌊	Cd	114	9.974	0.000	0.000316	0.001	326.133	ug/L
⌈>	In	115	239493.983	239493.983				ug/L
|	Sb	121	169.004	0.000	0.017893	0.002	8.434	ug/L
⌊	Sb	123	144.751	0.000	0.022526	0.001	5.733	ug/L
⌈	Tl	203	36.667	-0.000	-0.000306	0.002	504.199	ug/L
|	Tl	205	95.335	0.000	0.000562	0.001	135.859	ug/L
|	Pb	208	2111.477	0.005	0.067742	0.002	2.318	ug/L
⌊>	Bi	209	328745.541	328745.541				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.917
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
\>	Ge	71.922	98.325
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.208
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.355

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.194

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	347381.503	347381.503		ug/L
Be	9	3.000	0.000	0.008446	ug/L
V	51	2819.252	0.000	0.008525	ug/L
Cu	63	833.087	0.003	0.171483	ug/L
Cu	65	422.017	0.001	0.179994	ug/L
Zn	66	1851.288	0.007	1.690823	ug/L
Zn	68	1412.154	0.005	1.550299	ug/L
Ge	72	246808.208	246808.208		ug/L
As	75	117.224	0.000	0.054729	ug/L
Se	77	149.003	0.000	0.227856	ug/L
Se	82	-35.670	0.000	0.175858	ug/L
Rh	103	303758.208	303758.208		ug/L
Ag	107	27.000	0.000	0.001491	ug/L
Cd	111	4.288	0.000	0.001982	ug/L
Cd	114	13.471	0.000	0.001119	ug/L
In	115	239981.221	239981.221		ug/L
Sb	121	161.003	0.000	0.018486	ug/L
Sb	123	148.625	0.000	0.023311	ug/L
Tl	203	26.000	-0.000	-0.001871	ug/L
Tl	205	97.002	0.000	0.000549	ug/L
Pb	208	2113.143	0.008	0.088836	ug/L
Bi	209	335804.438	335804.438		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339622.688	339622.688		ug/L
Be	9	2.000	0.000	0.002056	ug/L
V	51	2564.797	0.000	0.006268	ug/L
Cu	63	829.058	0.003	0.172697	ug/L
Cu	65	407.016	0.001	0.174498	ug/L
Zn	66	1873.284	0.007	1.733204	ug/L
Zn	68	1425.156	0.005	1.569718	ug/L
Ge	72	243799.248	243799.248		ug/L
As	75	105.606	0.000	0.049880	ug/L
Se	77	140.003	0.000	0.151991	ug/L
Se	82	8.977	0.000	0.502927	ug/L
Rh	103	297165.458	297165.458		ug/L
Ag	107	33.000	0.000	0.002372	ug/L
Cd	111	1.599	0.000	0.000484	ug/L
Cd	114	11.362	0.000	0.000877	ug/L
In	115	241012.706	241012.706		ug/L
Sb	121	169.004	0.000	0.017708	ug/L
Sb	123	136.877	0.000	0.021036	ug/L
Tl	203	47.001	0.000	0.001208	ug/L
Tl	205	81.001	-0.000	0.000184	ug/L
Pb	208	2102.142	0.008	0.088788	ug/L
Bi	209	323488.841	323488.841		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343886.282	343886.282		ug/L
Be	9	2.000	0.000	0.001838	ug/L
V	51	2797.418	0.001	0.036831	ug/L
Cu	63	817.055	0.003	0.168761	ug/L
Cu	65	429.017	0.001	0.185311	ug/L
Zn	66	1739.228	0.007	1.600380	ug/L
Zn	68	1500.173	0.006	1.651117	ug/L
Ge	72	243846.832	243846.832		ug/L
As	75	43.139	-0.000	-0.002139	ug/L
Se	77	133.003	0.000	0.079016	ug/L
Se	82	-15.426	0.000	0.323542	ug/L
Rh	103	296574.841	296574.841		ug/L
Ag	107	28.000	0.000	0.001711	ug/L
Cd	111	10.446	0.000	0.005497	ug/L
Cd	114	5.089	0.000	-0.000847	ug/L
In	115	237508.023	237508.023		ug/L
Sb	121	177.004	0.000	0.018486	ug/L
Sb	123	146.751	0.000	0.023232	ug/L
Tl	203	37.000	-0.000	-0.000253	ug/L
Tl	205	108.002	0.000	0.001333	ug/L
Pb	208	2119.148	0.008	0.089502	ug/L
Bi	209	327133.646	327133.646		ug/L

00553

Sample Information

Sample ID: 1002144-06
Autosampler Position: 82
Sample Date/Time: Monday, February 22, 2010 22:06:37
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-06.096
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	343928.033	343928.033				ug/L
	Be	9	1.667	0.000	0.000327	0.007	2146.395	ug/L
	V	51	3906.063	0.006	0.182704	0.013	6.970	ug/L
	Cu	63	656.370	0.002	0.128393	0.002	1.896	ug/L
	Cu	65	319.677	0.001	0.127561	0.012	9.119	ug/L
	Zn	66	973.743	0.004	0.844563	0.030	3.566	ug/L
	Zn	68	851.726	0.002	0.811571	0.045	5.577	ug/L
>	Ge	72	243742.587	243742.587				ug/L
	As	75	120.343	0.000	0.058277	0.010	16.799	ug/L
	Se	77	120.002	-0.000	-0.055460	0.070	125.623	ug/L
	Se	82	-42.081	0.000	0.125827	0.093	73.642	ug/L
>	Rh	103	296621.594	296621.594				ug/L
	Ag	107	28.000	0.000	0.001711	0.001	41.839	ug/L
	Cd	111	5.928	0.000	0.002935	0.002	71.477	ug/L
	Cd	114	5.991	-0.000	-0.000629	0.001	123.354	ug/L
>	In	115	240518.161	240518.161				ug/L
	Sb	121	149.336	0.000	0.014456	0.001	9.741	ug/L
	Sb	123	130.457	0.000	0.019245	0.002	12.173	ug/L
	Tl	203	23.000	-0.000	-0.002199	0.001	49.066	ug/L
	Tl	205	59.001	-0.000	-0.001543	0.000	29.762	ug/L
	Pb	208	1283.724	0.002	0.032187	0.001	2.599	ug/L
>	Bi	209	328302.126	328302.126				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	94.997
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	97.920
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.356
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.776

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Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.060

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348811.258	348811.258		ug/L
Be	9	3.000	0.000	0.008369	ug/L
V	51	3950.018	0.008	0.197000	ug/L
Cu	63	640.036	0.002	0.126804	ug/L
Cu	65	331.011	0.001	0.136514	ug/L
Zn	66	988.078	0.004	0.872539	ug/L
Zn	68	808.064	0.002	0.770813	ug/L
Ge	72	239793.981	239793.981		ug/L
As	75	121.875	0.000	0.080997	ug/L
Se	77	120.002	-0.000	0.034823	ug/L
Se	82	-31.325	0.000	0.201268	ug/L
Rh	103	298215.174	298215.174		ug/L
Ag	107	34.000	0.000	0.002620	ug/L
Cd	111	1.678	0.000	0.000632	ug/L
Cd	114	4.291	-0.000	-0.001040	ug/L
In	115	243121.380	243121.380		ug/L
Sb	121	158.003	0.000	0.015634	ug/L
Sb	123	138.373	0.000	0.020229	ug/L
Tl	203	15.000	-0.000	-0.003346	ug/L
Tl	205	53.001	-0.000	-0.001947	ug/L
Pb	208	1283.068	0.002	0.031244	ug/L
Bi	209	333772.509	333772.509		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339532.747	339532.747		ug/L
Be	9	0.000	-0.000	0.007362	ug/L
V	51	3846.370	0.008	0.172676	ug/L
Cu	63	670.038	0.002	0.131202	ug/L
Cu	65	329.011	0.001	0.131756	ug/L
Zn	66	982.077	0.004	0.848484	ug/L
Zn	68	891.084	0.003	0.880161	ug/L
Ge	72	244767.542	244767.542		ug/L
As	75	131.367	0.000	0.088419	ug/L
Se	77	113.002	0.000	-0.133080	ug/L
Se	82	38.380	0.000	0.153786	ug/L
Rh	103	297861.203	297861.203		ug/L
Ag	107	24.000	0.000	0.001180	ug/L
Cd	111	8.563	0.000	0.004402	ug/L
Cd	114	9.699	0.000	0.000268	ug/L
In	115	238791.078	238791.078		ug/L
Sb	121	139.003	0.000	0.012698	ug/L
Sb	123	117.373	0.000	0.016570	ug/L
Tl	203	24.000	-0.000	-0.002039	ug/L
Tl	205	67.001	-0.000	-0.001043	ug/L
Pb	208	1287.067	0.002	0.032840	ug/L
Bi	209	325288.179	325288.179		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343440.088	343440.088		ug/L
Be	9	2.000	0.000	0.001961	ug/L
V	51	3921.800	0.008	0.178533	ug/L
Cu	63	658.037	0.002	0.127072	ug/L
Cu	65	299.009	0.001	0.114413	ug/L
Zn	66	953.075	0.003	0.812888	ug/L
Zn	68	866.080	0.002	0.853840	ug/L
Ge	72	246686.229	246686.229		ug/L
As	75	107.786	0.000	0.047416	ug/L
Se	77	127.002	0.000	0.001833	ug/L
Se	82	56.537	0.000	0.022403	ug/L
Rh	103	295608.404	295608.404		ug/L
Ag	107	26.000	0.000	0.001463	ug/L
Cd	111	7.563	0.000	0.003871	ug/L
Cd	114	3.982	-0.000	-0.001114	ug/L
In	115	239842.027	239842.027		ug/L
Sb	121	151.003	0.000	0.014838	ug/L
Sb	123	137.626	0.000	0.020834	ug/L
Tl	203	30.000	0.000	0.001209	ug/L
Tl	205	57.001	0.000	0.001638	ug/L
Pb	208	1281.067	0.002	0.032478	ug/L
Bi	209	325887.692	325887.692		ug/L

90555

Sample Information

Sample ID: 1002144-07
Autosampler Position: 83
Sample Date/Time: Monday, February 22, 2010 22:09:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-07.097
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	348144.747	348144.747				ug/L
	Be	9	1.667	0.000	0.000264	0.007	2635.470	ug/L
	V	51	3759.072	0.005	0.161546	0.004	2.744	ug/L
	Cu	63	1018.083	0.004	0.220873	0.013	5.807	ug/L
	Cu	65	468.353	0.002	0.206752	0.013	6.262	ug/L
	Zn	66	1112.431	0.004	0.977915	0.033	3.376	ug/L
	Zn	68	1019.750	0.003	1.035451	0.032	3.094	ug/L
>	Ge	72	244544.496	244544.496				ug/L
	As	75	314.451	0.001	0.209209	0.015	7.073	ug/L
	Se	77	123.669	-0.000	-0.021659	0.128	589.835	ug/L
	Se	82	-52.917	0.000	0.045490	0.194	426.927	ug/L
>	Rh	103	298326.342	298326.342				ug/L
	Ag	107	25.334	0.000	0.001331	0.001	76.346	ug/L
	Cd	111	5.468	0.000	0.002679	0.004	131.548	ug/L
	Cd	114	10.523	0.000	0.000467	0.001	207.816	ug/L
>	In	115	241988.421	241988.421				ug/L
	Sb	121	202.005	0.001	0.023106	0.002	6.767	ug/L
	Sb	123	141.917	0.000	0.021582	0.002	8.388	ug/L
	Tl	203	25.000	-0.000	-0.001956	0.001	37.742	ug/L
	Tl	205	66.334	-0.000	-0.001145	0.000	22.026	ug/L
	Pb	208	1245.387	0.002	0.030153	0.002	7.679	ug/L
>	Bi	209	330800.534	330800.534				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	96.162
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.242
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.928
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	99.379

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	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.814

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	345887.320	345887.320		ug/L
Be	9	2.000	0.000	0.001891	ug/L
V	51	3728.783	0.006	0.156489	ug/L
Cu	63	984.075	0.003	0.208429	ug/L
Cu	65	462.080	0.008	0.202882	ug/L
Zn	66	1105.087	0.004	0.988237	ug/L
Zn	68	1028.084	0.003	1.040844	ug/L
Ge	72	248070.678	248070.678		ug/L
As	75	322.774	0.001	0.215116	ug/L
Se	77	138.003	0.000	0.123781	ug/L
Se	82	-77.697	-0.000	-0.139915	ug/L
Rh	103	299466.980	299466.980		ug/L
Ag	107	23.000	0.000	0.001052	ug/L
Cd	111	12.984	0.000	0.008740	ug/L
Cd	114	13.344	0.000	0.001153	ug/L
In	115	242988.443	242988.443		ug/L
Sb	121	192.008	0.001	0.021301	ug/L
Sb	123	133.626	0.000	0.019849	ug/L
Tl	203	27.009	-0.000	-0.001782	ug/L
Tl	205	63.001	-0.000	-0.001419	ug/L
Pb	208	1211.061	0.008	0.027346	ug/L
Bi	209	338024.672	338024.672		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	346850.779	346850.779		ug/L
Be	9	0.000	-0.000	0.007362	ug/L
V	51	3750.480	0.006	0.163329	ug/L
Cu	63	1061.088	0.004	0.230833	ug/L
Cu	65	446.018	0.001	0.196208	ug/L
Zn	66	1143.103	0.004	1.014882	ug/L
Zn	68	1036.086	0.003	1.064387	ug/L
Ge	72	243108.211	243108.211		ug/L
As	75	328.597	0.001	0.220141	ug/L
Se	77	118.002	-0.000	-0.073020	ug/L
Se	82	-56.546	0.000	0.023718	ug/L
Rh	103	300378.784	300378.784		ug/L
Ag	107	34.000	0.000	0.002467	ug/L
Cd	111	1.498	0.000	0.000418	ug/L
Cd	114	5.889	-0.000	-0.000844	ug/L
In	115	242982.817	242982.817		ug/L
Sb	121	208.008	0.001	0.023876	ug/L
Sb	123	143.751	0.000	0.021880	ug/L
Tl	203	19.000	-0.000	-0.002779	ug/L
Tl	205	70.001	-0.000	0.000922	ug/L
Pb	208	1260.056	0.002	0.030039	ug/L
Bi	209	329838.904	329838.904		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	352128.141	352128.141		ug/L
Be	9	3.000	0.000	0.006283	ug/L
V	51	3797.884	0.006	0.164809	ug/L
Cu	63	1038.088	0.004	0.225286	ug/L
Cu	65	457.022	0.002	0.221200	ug/L
Zn	66	1089.094	0.004	0.950817	ug/L
Zn	68	998.080	0.003	1.001030	ug/L
Ge	72	245458.588	245458.588		ug/L
As	75	293.882	0.001	0.192370	ug/L
Se	77	115.002	-0.000	-0.115739	ug/L
Se	82	-25.520	0.000	0.249888	ug/L
Rh	103	299144.572	299144.572		ug/L
Ag	107	19.000	0.000	0.000483	ug/L
Cd	111	2.313	0.000	0.000879	ug/L
Cd	114	12.328	0.000	0.000992	ug/L
In	115	240084.004	240084.004		ug/L
Sb	121	208.008	0.001	0.024041	ug/L
Sb	123	148.374	0.000	0.023238	ug/L
Tl	203	29.000	-0.000	-0.001334	ug/L
Tl	205	68.001	-0.000	-0.001098	ug/L
Pb	208	1265.054	0.002	0.031672	ug/L
Bi	209	324740.028	324740.028		ug/L

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Sample Information

Sample ID: 1002144-08
Autosampler Position: 84
Sample Date/Time: Monday, February 22, 2010 22:13:08
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-08.098
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	345894.049	345894.049				ug/L
	Be	9	7.333	0.000	0.026521	0.016	61.296	ug/L
	V	51	11450.293	0.036	1.159996	0.009	0.746	ug/L
	Cu	63	2101.997	0.008	0.494398	0.013	2.627	ug/L
	Cu	65	1034.419	0.004	0.505810	0.031	6.118	ug/L
	Zn	66	2633.178	0.010	2.451288	0.017	0.693	ug/L
	Zn	68	2243.042	0.008	2.659889	0.149	5.591	ug/L
>	Ge	72	246948.544	246948.544				ug/L
	As	75	380.270	0.001	0.257661	0.040	15.601	ug/L
	Se	77	130.002	0.000	0.031511	0.077	245.052	ug/L
	Se	82	-55.769	0.000	0.028716	0.034	118.520	ug/L
>	Rh	103	295671.359	295671.359				ug/L
	Ag	107	44.001	0.000	0.003868	0.001	34.659	ug/L
	Cd	111	27.910	0.000	0.015447	0.003	18.786	ug/L
	Cd	114	19.882	0.000	0.002759	0.002	88.075	ug/L
>	In	115	239973.606	239973.606				ug/L
	Sb	121	240.673	0.001	0.029894	0.001	4.018	ug/L
	Sb	123	180.876	0.001	0.030381	0.004	14.212	ug/L
	Tl	203	60.668	0.000	0.003028	0.001	35.676	ug/L
	Tl	205	126.002	0.000	0.002369	0.001	26.996	ug/L
	Pb	208	8850.572	0.025	0.359080	0.013	3.748	ug/L
>	Bi	209	327644.189	327644.189				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.540
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.208
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.038
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.552

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	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.861

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	344844.400	344844.400		ug/L
	Be	9	11.000	0.000	0.043863	ug/L
	V	51	11382.448	0.036	1.169977	ug/L
	Cu	63	2127.336	0.006	0.508588	ug/L
	Cu	65	1079.082	0.004	0.537844	ug/L
	Zn	66	2608.505	0.010	2.465010	ug/L
	Zn	68	2087.329	0.008	2.508364	ug/L
>	Ge	72	243418.483	243418.483		ug/L
	As	75	368.877	0.001	0.252913	ug/L
	Se	77	134.003	0.000	0.081886	ug/L
	Se	82	50.404	0.000	0.062574	ug/L
>	Rh	103	298788.343	298788.343		ug/L
	Ag	107	46.001	0.000	0.004077	ug/L
	Cd	111	27.130	0.000	0.014633	ug/L
	Cd	114	26.161	0.000	0.004737	ug/L
>	In	115	238339.808	238339.808		ug/L
	Sb	121	238.006	0.001	0.029720	ug/L
	Sb	123	161.626	0.001	0.029408	ug/L
	Tl	203	53.001	0.000	0.001821	ug/L
	Tl	205	141.003	0.000	0.003088	ug/L
	Pb	208	8982.301	0.025	0.397530	ug/L
>	Bi	209	333784.801	333784.801		ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	350239.888	350239.888		ug/L
	Be	9	7.000	0.000	0.024601	ug/L
	V	51	11543.105	0.036	1.154583	ug/L
	Cu	63	2092.324	0.008	0.483124	ug/L
	Cu	65	990.079	0.004	0.475834	ug/L
	Zn	66	2644.516	0.010	2.432278	ug/L
	Zn	68	2276.386	0.008	2.670075	ug/L
>	Ge	72	249846.984	249846.984		ug/L
	As	75	335.632	0.001	0.220049	ug/L
	Se	77	123.003	-0.000	-0.066508	ug/L
	Se	82	-56.349	0.000	0.029086	ug/L
>	Rh	103	292988.303	292988.303		ug/L
	Ag	107	33.000	0.000	0.002436	ug/L
	Cd	111	33.188	0.000	0.018607	ug/L
	Cd	114	8.633	0.000	0.000043	ug/L
>	In	115	240893.949	240893.949		ug/L
	Sb	121	235.006	0.001	0.029788	ug/L
	Sb	123	202.501	0.001	0.034977	ug/L
	Tl	203	67.001	0.000	0.003903	ug/L
	Tl	205	118.002	0.000	0.001813	ug/L
	Pb	208	8664.088	0.024	0.348486	ug/L
>	Bi	209	327397.328	327397.328		ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	342598.082	342598.082		ug/L
	Be	9	4.000	0.000	0.011310	ug/L
	V	51	11446.324	0.036	1.158448	ug/L
	Cu	63	2098.329	0.008	0.481472	ug/L
	Cu	65	1034.086	0.004	0.503961	ug/L
	Zn	66	2645.516	0.010	2.456575	ug/L
	Zn	68	2358.412	0.008	2.803239	ug/L
>	Ge	72	247583.156	247583.156		ug/L
	As	75	436.402	0.002	0.300021	ug/L
	Se	77	113.003	0.000	0.058172	ug/L
	Se	82	60.553	0.000	0.005491	ug/L
>	Rh	103	296275.431	296275.431		ug/L
	Ag	107	53.001	0.000	0.005091	ug/L
	Cd	111	23.416	0.000	0.012901	ug/L
	Cd	114	22.861	0.000	0.003508	ug/L
>	In	115	240887.280	240887.280		ug/L
	Sb	121	249.007	0.001	0.031173	ug/L
	Sb	123	178.500	0.001	0.029757	ug/L
	Tl	203	62.001	0.000	0.003381	ug/L
	Tl	205	119.002	0.000	0.002093	ug/L
	Pb	208	9015.350	0.026	0.373244	ug/L
>	Bi	209	321740.741	321740.741		ug/L

00559

Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 22, 2010 22:16:22
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.099
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	339798.528	339798.528				ug/L
⌊	Be	9	7976.197	0.023	37.538585	0.680	1.812	ug/L
⌈	V	51	284249.454	1.167	37.577661	0.492	1.310	ug/L
|	Cu	63	151945.696	0.629	39.521684	0.289	0.732	ug/L
|	Cu	65	72130.433	0.298	39.204229	0.467	1.191	ug/L
|	Zn	66	38496.513	0.159	38.303333	0.823	2.149	ug/L
|	Zn	68	28274.469	0.116	38.392928	0.466	1.214	ug/L
|>	Ge	72	241508.676	241508.676				ug/L
|	As	75	49952.416	0.207	39.382174	0.556	1.411	ug/L
|	Se	77	3773.701	0.015	38.269818	0.513	1.340	ug/L
⌊	Se	82	4986.221	0.021	37.921302	1.554	4.098	ug/L
⌈>	Rh	103	292411.719	292411.719				ug/L
|	Ag	107	284257.379	0.972	38.622729	0.264	0.682	ug/L
|	Cd	111	65650.653	0.225	37.718570	0.884	2.345	ug/L
⌊	Cd	114	153119.552	0.524	37.861209	0.490	1.294	ug/L
⌈>	In	115	237562.620	237562.620				ug/L
|	Sb	121	213102.594	0.897	36.235951	1.394	3.848	ug/L
⌊	Sb	123	163439.703	0.688	36.278149	1.508	4.156	ug/L
⌈	Tl	203	274874.237	0.847	38.448645	0.574	1.493	ug/L
|	Tl	205	649065.260	1.999	38.269026	0.227	0.592	ug/L
|	Pb	208	868107.646	2.673	37.806722	0.084	0.221	ug/L
⌊>	Bi	209	324619.026	324619.026				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.856
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.022
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	97.946
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.562

90560

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.949

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	334618.782	334618.782		ug/L
Be	9	8019.680	0.024	36.321168	ug/L
V	51	289884.783	1.169	37.648193	ug/L
Cu	63	153432.823	0.623	39.182534	ug/L
Cu	65	72504.860	0.298	38.888340	ug/L
Zn	66	38248.514	0.158	37.355633	ug/L
Zn	68	26480.853	0.115	37.874829	ug/L
Ge	72	245898.481	245898.481		ug/L
As	75	50063.762	0.203	38.751068	ug/L
Se	77	3787.042	0.015	37.685256	ug/L
Se	82	4851.516	0.020	38.241982	ug/L
Rh	103	294812.891	294812.891		ug/L
Ag	107	286431.090	0.979	38.897254	ug/L
Cd	111	65526.861	0.222	37.359058	ug/L
Cd	114	153995.874	0.523	37.789678	ug/L
In	115	241222.458	241222.458		ug/L
Sb	121	208870.970	0.857	34.630388	ug/L
Sb	123	158662.871	0.658	34.666308	ug/L
Tl	203	275071.130	0.838	37.979088	ug/L
Tl	205	653044.980	1.988	38.008563	ug/L
Pb	208	879870.663	2.674	37.828003	ug/L
Bi	209	328632.042	328632.042		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343286.943	343286.943		ug/L
Be	9	7987.543	0.023	37.204311	ug/L
V	51	278483.999	1.150	37.053532	ug/L
Cu	63	151406.384	0.630	39.637327	ug/L
Cu	65	72427.086	0.302	39.618633	ug/L
Zn	66	38586.327	0.160	38.638791	ug/L
Zn	68	28032.178	0.116	38.308641	ug/L
Ge	72	239934.598	239934.598		ug/L
As	75	49804.388	0.208	39.598683	ug/L
Se	77	3765.030	0.015	38.432442	ug/L
Se	82	4994.512	0.021	38.213804	ug/L
Rh	103	288194.793	288194.793		ug/L
Ag	107	279986.706	0.971	38.509193	ug/L
Cd	111	66444.953	0.231	38.728069	ug/L
Cd	114	153008.193	0.531	38.383017	ug/L
In	115	235558.861	235558.861		ug/L
Sb	121	215443.978	0.914	36.933386	ug/L
Sb	123	163132.953	0.692	36.506980	ug/L
Tl	203	276581.063	0.861	39.088584	ug/L
Tl	205	644856.767	2.007	38.420224	ug/L
Pb	208	869867.697	2.678	37.877820	ug/L
Bi	209	321230.524	321230.524		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	341490.878	341490.878		ug/L
Be	9	7921.466	0.023	37.090378	ug/L
V	51	284288.670	1.181	38.030298	ug/L
Cu	63	150995.782	0.632	39.736201	ug/L
Cu	65	71459.383	0.299	39.293818	ug/L
Zn	66	38654.896	0.161	38.907575	ug/L
Zn	68	28310.275	0.118	38.695323	ug/L
Ge	72	238691.977	238691.977		ug/L
As	75	49899.096	0.209	39.798784	ug/L
Se	77	3769.032	0.015	38.681758	ug/L
Se	82	5112.638	0.022	39.306318	ug/L
Rh	103	294427.474	294427.474		ug/L
Ag	107	284355.383	0.968	38.371730	ug/L
Cd	111	64980.043	0.221	37.070667	ug/L
Cd	114	152356.586	0.517	37.410831	ug/L
In	115	235908.742	235908.742		ug/L
Sb	121	216992.834	0.920	37.144079	ug/L
Sb	123	168533.486	0.714	37.656161	ug/L
Tl	203	272980.529	0.843	38.276273	ug/L
Tl	205	649294.032	2.006	38.378262	ug/L
Pb	208	863794.647	2.668	37.714544	ug/L
Bi	209	323794.512	323794.512		ug/L

00561

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 22:24:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.100
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	334656.631	334656.631				ug/L
⌊	Be	9	1.333	-0.000	-0.000978	0.006	565.310	ug/L
⌈	V	51	2248.830	-0.001	-0.034092	0.005	15.626	ug/L
|	Cu	63	175.004	0.000	0.004553	0.002	54.091	ug/L
|	Cu	65	91.001	0.000	0.004537	0.004	91.998	ug/L
|	Zn	66	148.670	0.000	0.029686	0.015	51.101	ug/L
|	Zn	68	291.342	0.000	0.054176	0.010	19.186	ug/L
|>	Ge	72	241882.648	241882.648				ug/L
|	As	75	-30.554	-0.000	-0.059970	0.011	18.800	ug/L
|	Se	77	125.336	0.000	0.009804	0.072	729.742	ug/L
⌊	Se	82	-47.422	0.000	0.083099	0.141	169.706	ug/L
⌈>	Rh	103	294329.831	294329.831				ug/L
|	Ag	107	50.667	0.000	0.004799	0.001	14.362	ug/L
|	Cd	111	1.406	0.000	0.000385	0.001	307.330	ug/L
⌊	Cd	114	11.494	0.000	0.000740	0.001	109.536	ug/L
⌈>	In	115	237684.167	237684.167				ug/L
|	Sb	121	532.025	0.002	0.079782	0.005	6.151	ug/L
⌊	Sb	123	395.845	0.001	0.078445	0.007	9.272	ug/L
⌈	Tl	203	32.000	-0.000	-0.000812	0.001	78.199	ug/L
|	Tl	205	84.001	0.000	0.000081	0.001	880.161	ug/L
|	Pb	208	1493.742	0.003	0.043456	0.003	5.782	ug/L
⌊>	Bi	209	317335.876	317335.876				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	92.436
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.173
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.589
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.612

00562

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

95.751

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	335825.872	335825.872		ug/L
Be	9	2.000	0.000	0.002171	ug/L
V	51	2226.348	-0.001	0.038026	ug/L
Cu	63	170.004	0.000	0.003435	ug/L
Cu	65	86.001	0.000	0.002021	ug/L
Zn	66	166.004	0.000	0.046680	ug/L
Zn	68	291.009	0.000	0.084280	ug/L
Ge	72	240986.474	240986.474		ug/L
As	75	45.628	-0.000	-0.071926	ug/L
Se	77	117.002	-0.000	-0.072788	ug/L
Se	82	-26.309	0.000	0.240237	ug/L
Rh	103	296385.007	296385.007		ug/L
Ag	107	55.001	0.000	0.006333	ug/L
Cd	111	0.781	-0.000	0.000887	ug/L
Cd	114	8.106	-0.000	-0.000110	ug/L
In	115	237506.880	237506.880		ug/L
Sb	121	523.024	0.002	0.078302	ug/L
Sb	123	411.261	0.002	0.081920	ug/L
Tl	203	36.000	-0.000	-0.000249	ug/L
Tl	205	97.002	0.000	0.000863	ug/L
Pb	208	1432.070	0.003	0.040570	ug/L
Bi	209	317997.548	317997.548		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	332497.028	332497.028		ug/L
Be	9	2.000	0.000	0.002257	ug/L
V	51	2275.484	-0.001	0.029088	ug/L
Cu	63	167.004	0.000	0.002848	ug/L
Cu	65	86.001	0.000	0.002236	ug/L
Zn	66	135.003	0.000	0.017178	ug/L
Zn	68	281.008	0.000	0.043268	ug/L
Ge	72	239898.446	239898.446		ug/L
As	75	28.480	0.000	0.058484	ug/L
Se	77	126.002	0.000	0.048984	ug/L
Se	82	52.459	0.000	0.041522	ug/L
Rh	103	294970.197	294970.197		ug/L
Ag	107	45.001	0.000	0.004021	ug/L
Cd	111	3.348	0.000	0.001487	ug/L
Cd	114	11.588	0.000	0.000828	ug/L
In	115	236890.922	236890.922		ug/L
Sb	121	567.029	0.002	0.085280	ug/L
Sb	123	419.891	0.002	0.083330	ug/L
Tl	203	33.000	-0.000	-0.000688	ug/L
Tl	205	74.001	0.000	0.000542	ug/L
Pb	208	1527.080	0.003	0.044841	ug/L
Bi	209	318730.144	318730.144		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	335846.994	335846.994		ug/L
Be	9	0.000	-0.000	0.007362	ug/L
V	51	2244.858	-0.001	-0.038182	ug/L
Cu	63	188.004	0.000	0.007377	ug/L
Cu	65	101.002	0.000	0.009394	ug/L
Zn	66	148.003	0.000	0.025330	ug/L
Zn	68	302.009	0.000	0.063990	ug/L
Ge	72	244752.024	244752.024		ug/L
As	75	17.574	-0.000	-0.049531	ug/L
Se	77	131.003	0.000	0.053215	ug/L
Se	82	63.498	-0.000	-0.032482	ug/L
Rh	103	291634.291	291634.291		ug/L
Ag	107	52.001	0.000	0.005044	ug/L
Cd	111	1.658	0.000	0.000536	ug/L
Cd	114	14.467	0.000	0.001504	ug/L
In	115	236586.899	236586.899		ug/L
Sb	121	508.023	0.002	0.075788	ug/L
Sb	123	358.383	0.001	0.070086	ug/L
Tl	203	27.000	-0.000	0.001500	ug/L
Tl	205	81.001	-0.000	-0.000089	ug/L
Pb	208	1522.077	0.003	0.045158	ug/L
Bi	209	315279.938	315279.938		ug/L

00563

Sample Information

Sample ID: 1002144-09
Autosampler Position: 85
Sample Date/Time: Monday, February 22, 2010 22:28:05
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-09.101
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	339833.282	339833.282				ug/L
⌊	Be	9	1.667	0.000	0.000476	0.010	2064.134	ug/L
⌈	V	51	2954.560	0.002	0.055120	0.012	22.181	ug/L
|	Cu	63	5728.693	0.023	1.430326	0.099	6.889	ug/L
|	Cu	65	2706.874	0.011	1.407696	0.087	6.165	ug/L
|	Zn	66	830.390	0.003	0.699048	0.035	4.971	ug/L
|	Zn	68	815.055	0.002	0.757325	0.044	5.810	ug/L
|>	Ge	72	244859.248	244859.248				ug/L
|	As	75	392.409	0.001	0.269376	0.021	7.918	ug/L
|	Se	77	144.336	0.000	0.190699	0.090	47.116	ug/L
⌊	Se	82	-50.781	0.000	0.062840	0.145	230.857	ug/L
⌈>	Rh	103	297256.957	297256.957				ug/L
|	Ag	107	53.667	0.000	0.005132	0.001	14.013	ug/L
|	Cd	111	10.976	0.000	0.005786	0.002	30.797	ug/L
⌊	Cd	114	17.555	0.000	0.002179	0.001	57.883	ug/L
⌈>	In	115	240504.727	240504.727				ug/L
|	Sb	121	742.379	0.003	0.114078	0.009	8.104	ug/L
⌊	Sb	123	590.028	0.002	0.120022	0.006	5.217	ug/L
⌈	Tl	203	29.334	-0.000	-0.001402	0.000	31.474	ug/L
|	Tl	205	67.668	-0.000	-0.001104	0.000	13.627	ug/L
|	Pb	208	9252.438	0.026	0.369727	0.013	3.519	ug/L
⌊>	Bi	209	333403.611	333403.611				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.866
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.368
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.569
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.770

00564

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.599

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	337088.887	337088.887		ug/L
	Be	9	0.000	-0.000	-0.007382	ug/L
	V	51	2886.836	0.001	0.044130	ug/L
	Cu	63	5309.025	0.021	1.324841	ug/L
	Cu	65	2516.486	0.010	1.307892	ug/L
	Zn	66	820.056	0.003	0.889830	ug/L
	Zn	68	820.056	0.002	0.785618	ug/L
>	Ge	72	244472.686	244472.686		ug/L
	As	75	379.300	0.001	0.250789	ug/L
	Se	77	135.003	0.000	0.096186	ug/L
	Se	82	-35.348	0.000	0.175954	ug/L
>	Rh	103	298213.832	298213.832		ug/L
	Ag	107	60.001	0.000	0.006954	ug/L
	Cd	111	13.002	0.000	0.009604	ug/L
	Cd	114	23.333	0.000	0.003586	ug/L
>	In	115	239117.564	239117.564		ug/L
	Sb	121	790.062	0.003	0.122844	ug/L
	Sb	123	617.781	0.002	0.126878	ug/L
	Tl	203	34.000	-0.000	-0.000928	ug/L
	Tl	205	72.001	-0.000	0.001004	ug/L
	Pb	208	9254.448	0.029	0.356141	ug/L
>	Bi	209	346080.075	346080.075		ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	339318.936	339318.936		ug/L
	Be	9	4.000	0.000	0.011491	ug/L
	V	51	2871.998	0.002	0.052941	ug/L
	Cu	63	5880.462	0.023	1.446946	ug/L
	Cu	65	2821.586	0.011	1.452146	ug/L
	Zn	66	810.054	0.003	0.868773	ug/L
	Zn	68	788.051	0.002	0.709802	ug/L
>	Ge	72	247663.886	247663.886		ug/L
	As	75	428.478	0.002	0.293815	ug/L
	Se	77	147.003	0.000	0.200872	ug/L
	Se	82	-73.588	0.000	-0.100719	ug/L
>	Rh	103	298363.910	298363.910		ug/L
	Ag	107	50.001	0.000	0.004818	ug/L
	Cd	111	7.373	0.000	0.003731	ug/L
	Cd	114	16.281	0.000	0.001868	ug/L
>	In	115	242208.582	242208.582		ug/L
	Sb	121	753.047	0.003	0.114970	ug/L
	Sb	123	587.852	0.002	0.118582	ug/L
	Tl	203	26.000	-0.000	-0.001801	ug/L
	Tl	205	68.001	-0.000	-0.001031	ug/L
	Pb	208	9238.418	0.028	0.373907	ug/L
>	Bi	209	329044.500	329044.500		ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	343094.043	343094.043		ug/L
	Be	9	1.000	0.000	0.002701	ug/L
	V	51	3024.850	0.002	0.058290	ug/L
	Cu	63	8018.593	0.024	1.519491	ug/L
	Cu	65	2782.570	0.011	1.483249	ug/L
	Zn	66	861.081	0.003	0.737453	ug/L
	Zn	68	836.087	0.002	0.796864	ug/L
>	Ge	72	242441.164	242441.164		ug/L
	As	75	369.449	0.001	0.254523	ug/L
	Se	77	151.003	0.000	0.276028	ug/L
	Se	82	43.427	0.000	0.113788	ug/L
>	Rh	103	295193.131	295193.131		ug/L
	Ag	107	51.001	0.000	0.004824	ug/L
	Cd	111	12.553	0.000	0.008723	ug/L
	Cd	114	13.052	0.000	0.001109	ug/L
>	In	115	240180.038	240180.038		ug/L
	Sb	121	684.040	0.003	0.104418	ug/L
	Sb	123	564.650	0.002	0.114606	ug/L
	Tl	203	28.000	-0.000	-0.001478	ug/L
	Tl	205	63.001	0.000	0.001277	ug/L
	Pb	208	9267.447	0.027	0.380136	ug/L
>	Bi	209	325088.258	325088.258		ug/L

00565

Sample Information

Sample ID: 1002144-10
Autosampler Position: 86
Sample Date/Time: Monday, February 22, 2010 22:31:20
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-10.102
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	341982.104	341982.104				ug/L
[	Be	9	14.000	0.000	0.058129	0.021	36.715	ug/L
[	V	51	15083.814	0.051	1.651050	0.007	0.403	ug/L
[	Cu	63	118399.480	0.483	30.368923	0.220	0.726	ug/L
[	Cu	65	55973.011	0.228	29.999510	0.245	0.816	ug/L
[	Zn	66	66899.507	0.273	65.738750	0.778	1.184	ug/L
[	Zn	68	48721.132	0.198	65.505072	1.735	2.649	ug/L
[>	Ge	72	244807.281	244807.281				ug/L
[	As	75	5968.808	0.024	4.610265	0.066	1.434	ug/L
[	Se	77	139.003	0.000	0.135942	0.131	96.541	ug/L
[	Se	82	-50.589	0.000	0.063593	0.077	120.973	ug/L
[>	Rh	103	297843.943	297843.943				ug/L
[	Ag	107	141.003	0.000	0.016771	0.001	6.530	ug/L
[	Cd	111	329.533	0.001	0.185420	0.013	7.227	ug/L
[	Cd	114	773.122	0.003	0.185588	0.002	1.329	ug/L
[>	In	115	241656.601	241656.601				ug/L
[	Sb	121	144211.348	0.597	24.094945	0.189	0.783	ug/L
[	Sb	123	110062.540	0.455	24.005868	0.301	1.255	ug/L
[	Tl	203	607.699	0.002	0.078621	0.004	5.571	ug/L
[	Tl	205	1467.165	0.004	0.080530	0.001	1.355	ug/L
[	Pb	208	2878348.879	8.764	123.976578	1.139	0.919	ug/L
[>	Bi	209	328388.634	328388.634				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	94.459
[	Be	9.012	
[	V	50.944	
[	Cu	62.930	
[	Cu	64.928	
[	Zn	65.926	
[	Zn	67.925	
[>	Ge	71.922	98.348
[	As	74.922	
[	Se	76.920	
[	Se	81.917	
[>	Rh	102.905	99.766
[	Ag	106.905	
[	Cd	110.904	
[	Cd	113.904	
[>	In	114.904	99.243

00566

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.086

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	345787.466	345787.466		ug/L
Be	9	18.000	0.000	0.075883	ug/L
V	51	15180.328	0.051	1.657504	ug/L
Cr	53	719550.343	0.487	30.809087	ug/L
Cu	65	55899.356	0.228	29.898112	ug/L
Zn	66	66287.824	0.270	65.015580	ug/L
Zn	68	48701.953	0.198	65.353215	ug/L
Ge	72	245253.807	245253.807		ug/L
As	75	5989.486	0.024	4.617651	ug/L
Se	77	148.003	0.000	0.725987	ug/L
Se	82	-49.615	0.000	0.071224	ug/L
Rh	103	299384.507	299384.507		ug/L
Ag	107	137.003	0.000	0.016143	ug/L
Cd	111	337.088	0.001	0.188716	ug/L
Cd	114	772.319	0.003	0.184437	ug/L
In	115	242568.008	242568.008		ug/L
Sb	121	143747.447	0.592	23.924618	ug/L
Sb	123	108982.266	0.449	23.673700	ug/L
Tl	203	632.034	0.002	0.080858	ug/L
Tl	205	1498.171	0.004	0.081020	ug/L
Pb	208	2888642.988	8.673	122.682273	ug/L
Bi	209	332757.758	332757.758		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	344204.616	344204.616		ug/L
Be	9	9.000	0.000	0.034456	ug/L
V	51	14940.227	0.051	1.644214	ug/L
Cr	53	116930.481	0.480	30.178008	ug/L
Cu	65	56150.396	0.230	30.278406	ug/L
Zn	66	67328.482	0.276	66.562668	ug/L
Zn	68	49767.199	0.203	67.310933	ug/L
Ge	72	243317.218	243317.218		ug/L
As	75	6012.087	0.025	4.672389	ug/L
Se	77	144.003	0.000	0.706500	ug/L
Se	82	40.482	0.000	0.136422	ug/L
Rh	103	296884.313	296884.313		ug/L
Ag	107	150.003	0.000	0.018036	ug/L
Cd	111	348.675	0.001	0.195887	ug/L
Cd	114	782.270	0.003	0.188419	ug/L
In	115	241513.906	241513.906		ug/L
Sb	121	143934.152	0.596	24.082392	ug/L
Sb	123	110351.235	0.467	24.082363	ug/L
Tl	203	566.028	0.002	0.073573	ug/L
Tl	205	1467.188	0.004	0.081291	ug/L
Pb	208	2873858.749	8.627	124.864012	ug/L
Bi	209	325500.501	325500.501		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	335974.231	335974.231		ug/L
Be	9	15.000	0.000	0.064040	ug/L
V	51	15150.891	0.051	1.661433	ug/L
Cr	53	118717.617	0.482	30.321878	ug/L
Cu	65	55879.280	0.227	29.821010	ug/L
Zn	66	67084.216	0.272	65.638020	ug/L
Zn	68	47704.244	0.193	63.851087	ug/L
Ge	72	245850.819	245850.819		ug/L
As	75	5904.853	0.024	4.540758	ug/L
Se	77	125.002	0.000	0.614642	ug/L
Se	82	-61.671	0.000	-0.016888	ug/L
Rh	103	297303.008	297303.008		ug/L
Ag	107	136.003	0.000	0.016135	ug/L
Cd	111	302.839	0.001	0.170876	ug/L
Cd	114	784.827	0.003	0.183808	ug/L
In	115	240886.892	240886.892		ug/L
Sb	121	144852.446	0.602	24.297824	ug/L
Sb	123	110874.120	0.460	24.261540	ug/L
Tl	203	625.034	0.002	0.081430	ug/L
Tl	205	1439.158	0.004	0.079280	ug/L
Pb	208	2874744.902	8.792	124.373449	ug/L
Bi	209	326907.641	326907.641		ug/L

20567

Sample Information

Sample ID: 1002144-11
Autosampler Position: 87
Sample Date/Time: Monday, February 22, 2010 22:34:35
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-11.103
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	336723.671	336723.671				ug/L
⌊	Be	9	3.667	0.000	0.010051	0.003	27.166	ug/L
⌈	V	51	5718.485	0.013	0.415587	0.019	4.561	ug/L
|	Cu	63	1660.876	0.006	0.383786	0.001	0.334	ug/L
|	Cu	65	803.053	0.003	0.384331	0.006	1.647	ug/L
|	Zn	66	1737.229	0.007	1.584003	0.023	1.448	ug/L
|	Zn	68	1494.505	0.005	1.667048	0.047	2.848	ug/L
|>	Ge	72	245885.835	245885.835				ug/L
|	As	75	503.517	0.002	0.354184	0.024	6.793	ug/L
|	Se	77	135.669	0.000	0.095316	0.039	41.157	ug/L
⌊	Se	82	-53.451	0.000	0.043237	0.069	159.230	ug/L
⌈>	Rh	103	298508.684	298508.684				ug/L
|	Ag	107	63.001	0.000	0.006339	0.001	19.353	ug/L
|	Cd	111	18.683	0.000	0.010079	0.005	49.336	ug/L
⌊	Cd	114	26.644	0.000	0.004374	0.002	45.258	ug/L
⌈>	In	115	240535.363	240535.363				ug/L
|	Sb	121	356.346	0.001	0.049249	0.004	8.711	ug/L
⌊	Sb	123	278.048	0.001	0.051632	0.006	12.367	ug/L
⌈	Tl	203	44.001	0.000	0.000782	0.001	115.804	ug/L
|	Tl	205	99.668	0.000	0.000907	0.001	65.277	ug/L
|	Pb	208	4801.341	0.013	0.186464	0.001	0.619	ug/L
⌊>	Bi	209	324055.956	324055.956				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.007
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.781
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.989
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.783

00568

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.779

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Units
Li	6	336286.423	336286.423		ug/L
Be	9	4.000	0.000	0.011881	ug/L
V	51	5628.158	*0.013*	*0.474484*	ug/L
Cu	63	1636.204	0.008	0.383336	ug/L
Cu	65	805.053	0.003	0.391628	ug/L
Zn	66	1686.218	0.006	1.556302	ug/L
Zn	68	1510.175	0.005	1.717388	ug/L
Ga	72	242347.049	242347.049		ug/L
As	75	462.044	0.002	0.327440	ug/L
Se	77	136.003	0.000	0.139808	ug/L
Se	82	61.529	0.000	0.022393	ug/L
Rh	103	300231.803	300231.803		ug/L
Ag	107	67.001	0.000	0.008626	ug/L
Cd	111	15.982	0.000	0.008528	ug/L
Cd	114	17.729	0.000	0.002182	ug/L
In	115	241791.058	241791.058		ug/L
Sb	121	370.013	0.001	0.051197	ug/L
Sb	123	298.883	0.001	0.055830	ug/L
Tl	203	41.001	0.000	0.000233	ug/L
Tl	205	92.002	0.000	0.000332	ug/L
Pb	208	4980.707	0.013	0.185800	ug/L
Bi	209	331126.499	331126.499		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Units
Li	6	337452.844	337452.844		ug/L
Be	9	4.000	0.000	0.011586	ug/L
V	51	5651.500	0.012	0.397225	ug/L
Cu	63	1668.216	0.008	0.385234	ug/L
Cu	65	808.054	0.003	0.380341	ug/L
Zn	66	1767.236	0.007	1.591302	ug/L
Zn	68	1481.168	0.006	1.623040	ug/L
Ga	72	249088.197	249088.197		ug/L
As	75	518.825	0.003	0.361043	ug/L
Se	77	136.003	0.000	0.080446	ug/L
Se	82	44.388	0.000	0.114904	ug/L
Rh	103	295839.928	295839.928		ug/L
Ag	107	52.001	0.000	0.004943	ug/L
Cd	111	11.423	0.000	0.008088	ug/L
Cd	114	33.220	0.000	0.008031	ug/L
In	115	237214.578	237214.578		ug/L
Sb	121	368.013	0.001	0.052219	ug/L
Sb	123	289.506	0.001	0.054781	ug/L
Tl	203	40.001	0.000	0.000286	ug/L
Tl	205	99.002	0.000	0.000874	ug/L
Pb	208	4727.645	0.013	0.186795	ug/L
Bi	209	320084.167	320084.167		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Units
Li	6	336432.047	336432.047		ug/L
Be	9	3.000	0.000	0.006899	ug/L
V	51	5875.787	0.014	0.435080	ug/L
Cu	63	1658.208	0.008	0.382780	ug/L
Cu	65	798.053	0.003	0.381024	ug/L
Zn	66	1758.234	0.007	1.802406	ug/L
Zn	68	1482.171	0.006	1.660738	ug/L
Ga	72	246221.260	246221.260		ug/L
As	75	529.682	0.002	0.374088	ug/L
Se	77	133.003	0.000	0.065695	ug/L
Se	82	54.427	0.000	0.037201	ug/L
Rh	103	299458.320	299458.320		ug/L
Ag	107	70.001	0.000	0.007247	ug/L
Cd	111	28.634	0.000	0.015642	ug/L
Cd	114	28.983	0.000	0.004910	ug/L
In	115	242600.453	242600.453		ug/L
Sb	121	330.011	0.001	0.044330	ug/L
Sb	123	248.756	0.001	0.044283	ug/L
Tl	203	51.001	0.000	0.001626	ug/L
Tl	205	109.002	0.000	0.001515	ug/L
Pb	208	4785.670	0.013	0.187798	ug/L
Bi	209	320947.203	320947.203		ug/L

99569

Sample Information

Sample ID: 1002144-12
Autosampler Position: 88
Sample Date/Time: Monday, February 22, 2010 22:37:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-12.104
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	340672.597	340672.597				ug/L
⌊	Be	9	2.333	0.000	0.003598	0.003	76.562	ug/L
⌈	V	51	3059.250	0.002	0.066255	0.008	12.192	ug/L
|	Cu	63	421.350	0.001	0.066583	0.003	3.950	ug/L
|	Cu	65	207.338	0.000	0.065661	0.007	10.504	ug/L
|	Zn	66	853.060	0.003	0.715801	0.041	5.676	ug/L
⌊	Zn	68	816.055	0.002	0.751239	0.053	7.017	ug/L
|>	Ge	72	246452.077	246452.077				ug/L
|	As	75	186.529	0.001	0.108395	0.014	12.961	ug/L
|	Se	77	134.669	0.000	0.081806	0.133	162.350	ug/L
⌊	Se	82	-36.135	0.000	0.172335	0.153	89.056	ug/L
⌈>	Rh	103	298827.784	298827.784				ug/L
|	Ag	107	50.334	0.000	0.004649	0.001	18.470	ug/L
|	Cd	111	1.929	0.000	0.000659	0.002	357.518	ug/L
⌊	Cd	114	8.903	0.000	0.000065	0.000	599.141	ug/L
⌈>	In	115	238787.122	238787.122				ug/L
|	Sb	121	266.008	0.001	0.034379	0.001	2.550	ug/L
⌊	Sb	123	220.250	0.001	0.039290	0.004	9.587	ug/L
⌈	Tl	203	23.667	-0.000	-0.002122	0.000	8.386	ug/L
|	Tl	205	61.001	-0.000	-0.001433	0.001	36.918	ug/L
|	Pb	208	1420.403	0.003	0.037979	0.002	4.297	ug/L
⌊>	Bi	209	328842.862	328842.862				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.098
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.008
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.095
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.065

20570

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.223

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	340303.148	340303.148		ug/L
	Be	9	2.000	0.000	0.002037	ug/L
	V	51	2993.044	0.002	0.057210	ug/L
	Cu	63	412.018	0.001	0.064093	ug/L
	Cu	65	220.006	0.001	0.072315	ug/L
	Zn	66	820.055	0.003	0.682844	ug/L
	Zn	68	772.049	0.002	0.691148	ug/L
>	Ge	72	246893.139	246893.139		ug/L
	As	75	201.012	0.001	0.119415	ug/L
	Se	77	122.002	-0.000	-0.048832	ug/L
	Se	82	-13.396	0.000	0.330810	ug/L
>	Rh	103	297583.330	297583.330		ug/L
	Ag	107	43.001	0.000	0.002701	ug/L
	Cd	111	-2.911	-0.000	-0.002082	ug/L
	Cd	114	7.018	-0.000	-0.000382	ug/L
>	In	115	238978.864	238978.864		ug/L
	Sb	121	271.008	0.001	0.038180	ug/L
	Sb	123	239.125	0.001	0.043413	ug/L
	Tl	203	24.000	0.000	-0.002103	ug/L
	Tl	205	65.001	0.000	-0.001234	ug/L
	Pb	208	1421.070	0.003	0.037483	ug/L
>	Bi	209	331824.843	331824.843		ug/L

Repeat 2

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	339288.445	339288.446		ug/L
	Be	9	3.000	0.000	0.008778	ug/L
	V	51	3091.058	0.002	0.058807	ug/L
	Cu	63	422.017	0.001	0.066322	ug/L
	Cu	65	209.006	0.001	0.066124	ug/L
	Zn	66	844.056	0.003	0.703640	ug/L
	Zn	68	848.058	0.002	0.789702	ug/L
>	Ge	72	247428.947	247428.947		ug/L
	As	75	186.758	0.000	0.092575	ug/L
	Se	77	135.003	0.000	0.079486	ug/L
	Se	82	-54.529	0.000	0.038412	ug/L
>	Rh	103	298789.147	298789.147		ug/L
	Ag	107	52.001	0.000	0.004874	ug/L
	Cd	111	4.348	0.000	0.002025	ug/L
	Cd	114	9.590	0.000	0.000233	ug/L
>	In	115	237420.434	237420.434		ug/L
	Sb	121	259.007	0.001	0.033449	ug/L
	Sb	123	215.124	0.001	0.038429	ug/L
	Tl	203	25.000	0.000	0.001966	ug/L
	Tl	205	51.001	0.000	-0.002033	ug/L
	Pb	208	1397.069	0.003	0.036853	ug/L
>	Bi	209	330551.770	330551.770		ug/L

Repeat 3

	Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	342428.199	342428.199		ug/L
	Be	9	2.000	0.000	0.001978	ug/L
	V	51	3093.650	0.002	0.072749	ug/L
	Cu	63	430.017	0.001	0.069333	ug/L
	Cu	65	193.005	0.000	0.058544	ug/L
	Zn	66	895.066	0.003	0.781120	ug/L
	Zn	68	826.056	0.002	0.772886	ug/L
>	Ge	72	245234.148	245234.149		ug/L
	As	75	191.817	0.001	0.113196	ug/L
	Se	77	147.003	0.000	0.215763	ug/L
	Se	82	40.482	0.000	0.138782	ug/L
>	Rh	103	300110.875	300110.876		ug/L
	Ag	107	56.001	0.000	0.005373	ug/L
	Cd	111	4.348	0.000	0.002014	ug/L
	Cd	114	10.100	0.000	0.000346	ug/L
>	In	115	239982.087	239982.087		ug/L
	Sb	121	268.008	0.001	0.034497	ug/L
	Sb	123	208.502	0.001	0.038028	ug/L
	Tl	203	22.000	0.000	0.002309	ug/L
	Tl	205	67.001	0.000	0.001032	ug/L
	Pb	208	1443.070	0.003	0.039802	ug/L
>	Bi	209	324351.974	324351.974		ug/L

00571

Sample Information

Sample ID: 1002144-13
Autosampler Position: 89
Sample Date/Time: Monday, February 22, 2010 22:41:05
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-13.105
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	346914.837	346914.837				ug/L
⌊	Be	9	0.333	-0.000	-0.005827	0.003	45.655	ug/L
⌈	V	51	2464.136	-0.000	-0.012404	0.009	69.652	ug/L
|	Cu	63	467.020	0.001	0.077906	0.003	4.381	ug/L
|	Cu	65	247.673	0.001	0.086790	0.006	7.152	ug/L
|	Zn	66	927.736	0.003	0.786210	0.019	2.387	ug/L
|	Zn	68	1601.195	0.005	1.799182	0.017	0.960	ug/L
|>	Ge	72	247157.316	247157.316				ug/L
|	As	75	-26.442	-0.000	-0.056042	0.046	81.895	ug/L
|	Se	77	141.336	0.000	0.145367	0.101	69.789	ug/L
⌊	Se	82	-51.597	0.000	0.060106	0.106	176.293	ug/L
⌈>	Rh	103	296732.890	296732.890				ug/L
|	Ag	107	33.334	0.000	0.002419	0.001	30.479	ug/L
|	Cd	111	3.637	0.000	0.001636	0.002	111.710	ug/L
⌊	Cd	114	7.173	-0.000	-0.000343	0.001	213.541	ug/L
⌈>	In	115	241470.822	241470.822				ug/L
|	Sb	121	236.673	0.001	0.028979	0.001	4.528	ug/L
⌊	Sb	123	175.209	0.001	0.028917	0.001	5.102	ug/L
⌈	Tl	203	32.000	-0.000	-0.000973	0.001	138.120	ug/L
|	Tl	205	74.334	-0.000	-0.000647	0.001	142.244	ug/L
|	Pb	208	1274.724	0.002	0.031791	0.002	6.870	ug/L
⌊>	Bi	209	328191.642	328191.642				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.822
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.292
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.394
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.167

00572

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.027

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	349888.701	349888.701		ug/L
Be	9	0.000	0.000	-0.007362	ug/L
V	51	2444.381	-0.001	-0.016111	ug/L
Cu	63	457.019	0.001	0.074948	ug/L
Cu	65	262.007	0.001	0.093861	ug/L
Zn	66	911.067	0.003	0.766856	ug/L
Zn	68	1600.185	0.005	1.790464	ug/L
Ge	72	248001.297	248001.297		ug/L
As	75	1.103	-0.000	-0.035001	ug/L
Se	77	150.003	0.000	0.229468	ug/L
Se	82	-58.647	0.000	0.001898	ug/L
Rh	103	295404.812	295404.812		ug/L
Ag	107	30.000	0.000	0.001994	ug/L
Cd	111	5.534	0.000	0.002727	ug/L
Cd	114	5.598	-0.000	-0.000718	ug/L
In	115	239868.598	239868.598		ug/L
Sb	121	240.008	0.001	0.029834	ug/L
Sb	123	181.249	0.001	0.030529	ug/L
Tl	203	43.001	0.000	0.000477	ug/L
Tl	205	84.001	-0.000	-0.001306	ug/L
Pb	208	1350.083	0.002	0.034240	ug/L
Bi	209	332881.427	332881.427		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343988.498	343988.498		ug/L
Be	9	0.000	-0.000	-0.007362	ug/L
V	51	2515.246	-0.000	-0.002528	ug/L
Cu	63	477.021	0.001	0.081641	ug/L
Cu	65	236.008	0.001	0.082624	ug/L
Zn	66	937.071	0.003	0.804329	ug/L
Zn	68	1600.195	0.005	1.819068	ug/L
Ge	72	244720.987	244720.987		ug/L
As	75	14.663	-0.000	-0.024439	ug/L
Se	77	129.002	0.000	0.032992	ug/L
Se	82	-34.513	0.000	0.182418	ug/L
Rh	103	299241.510	299241.510		ug/L
Ag	107	40.001	0.000	0.003270	ug/L
Cd	111	5.474	0.000	0.002683	ug/L
Cd	114	10.716	0.000	0.000502	ug/L
In	115	242686.804	242686.804		ug/L
Sb	121	229.008	0.001	0.027468	ug/L
Sb	123	174.752	0.001	0.028588	ug/L
Tl	203	23.000	0.000	-0.002176	ug/L
Tl	205	87.001	-0.000	-0.001041	ug/L
Pb	208	1222.053	0.002	0.030048	ug/L
Bi	209	325084.291	325084.291		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	347110.313	347110.313		ug/L
Be	9	1.000	0.000	0.002756	ug/L
V	51	2432.771	-0.001	-0.018871	ug/L
Cu	63	467.020	0.001	0.077128	ug/L
Cu	65	243.007	0.001	0.083498	ug/L
Zn	66	935.071	0.003	0.787446	ug/L
Zn	68	1603.196	0.005	1.788023	ug/L
Ge	72	248749.684	248749.684		ug/L
As	75	195.084	-0.001	0.108685	ug/L
Se	77	145.003	0.000	0.173952	ug/L
Se	82	-60.631	0.000	-0.003982	ug/L
Rh	103	295552.549	295552.549		ug/L
Ag	107	30.000	0.000	0.001992	ug/L
Cd	111	-0.096	0.000	-0.000474	ug/L
Cd	114	5.208	-0.000	-0.000814	ug/L
In	115	241860.088	241860.088		ug/L
Sb	121	241.008	0.001	0.029634	ug/L
Sb	123	169.626	0.001	0.027533	ug/L
Tl	203	30.000	-0.000	0.001219	ug/L
Tl	205	92.002	0.000	0.000406	ug/L
Pb	208	1252.056	0.002	0.031087	ug/L
Bi	209	326849.209	326849.209		ug/L

00573

Sample Information

Sample ID: 1002144-15
Autosampler Position: 90
Sample Date/Time: Monday, February 22, 2010 22:44:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-15.106
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	341201.490	341201.490				ug/L
⌊	Be	9	1.333	-0.000	-0.001126	0.003	235.040	ug/L
⌈	V	51	3799.032	0.005	0.160585	0.011	6.919	ug/L
|	Cu	63	1092.428	0.004	0.236485	0.008	3.259	ug/L
|	Cu	65	545.026	0.002	0.244419	0.014	5.805	ug/L
|	Zn	66	1021.083	0.004	0.875290	0.025	2.861	ug/L
|	Zn	68	926.069	0.003	0.892843	0.035	3.891	ug/L
|>	Ge	72	247686.482	247686.482				ug/L
|	As	75	391.180	0.001	0.264975	0.012	4.457	ug/L
|	Se	77	144.336	0.000	0.174148	0.081	46.579	ug/L
⌊	Se	82	-36.154	0.000	0.174333	0.077	44.117	ug/L
⌈>	Rh	103	299455.214	299455.214				ug/L
|	Ag	107	30.334	0.000	0.001988	0.000	23.543	ug/L
|	Cd	111	1.322	0.000	0.000271	0.004	1420.210	ug/L
⌊	Cd	114	12.634	0.000	0.000960	0.001	118.927	ug/L
⌈>	In	115	240050.227	240050.227				ug/L
|	Sb	121	229.006	0.001	0.027919	0.004	13.135	ug/L
⌊	Sb	123	181.125	0.001	0.030439	0.004	12.371	ug/L
⌈	Tl	203	27.334	-0.000	-0.001572	0.001	50.559	ug/L
|	Tl	205	74.668	-0.000	-0.000596	0.000	23.416	ug/L
|	Pb	208	2567.205	0.006	0.088418	0.002	2.795	ug/L
⌊>	Bi	209	325486.665	325486.665				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.244
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.504
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.306
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.583

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.210

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	334898.330	334898.330		ug/L
Be	9	1.000	-0.000	-0.002587	ug/L
V	51	3771.083	0.006	0.150812	ug/L
Cu	63	1076.082	0.004	0.229806	ug/L
Cu	65	546.029	0.002	0.241251	ug/L
Zn	66	1028.084	0.004	0.867646	ug/L
Zn	68	956.073	0.003	0.915828	ug/L
Ge	72	250780.181	250780.181		ug/L
As	75	397.514	0.001	0.268218	ug/L
Se	77	137.003	0.000	0.081331	ug/L
Se	82	41.568	0.000	0.137523	ug/L
Rh	103	306448.702	306448.702		ug/L
Ag	107	28.000	0.000	0.001580	ug/L
Cd	111	9.348	0.000	0.004706	ug/L
Cd	114	12.946	0.000	0.000843	ug/L
In	115	239944.879	239944.879		ug/L
Sb	121	242.007	0.001	0.030123	ug/L
Sb	123	200.250	0.001	0.034657	ug/L
Tl	203	22.000	-0.000	0.002362	ug/L
Tl	205	78.001	0.000	0.000463	ug/L
Pb	208	2658.214	0.008	0.080794	ug/L
Bi	209	330056.840	330056.840		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344444.781	344444.781		ug/L
Be	9	1.000	-0.000	-0.002719	ug/L
V	51	3811.039	0.006	0.158274	ug/L
Cu	63	1100.088	0.004	0.236237	ug/L
Cu	65	526.025	0.002	0.232082	ug/L
Zn	66	1008.081	0.004	0.854987	ug/L
Zn	68	903.068	0.003	0.852681	ug/L
Ge	72	249572.646	249572.646		ug/L
As	75	408.600	0.001	0.278117	ug/L
Se	77	149.003	0.000	0.209870	ug/L
Se	82	43.403	0.000	0.122748	ug/L
Rh	103	294817.058	294817.058		ug/L
Ag	107	29.000	0.000	0.001870	ug/L
Cd	111	2.132	0.000	-0.001638	ug/L
Cd	114	7.800	-0.000	-0.000173	ug/L
In	115	239981.557	239981.557		ug/L
Sb	121	241.008	0.001	0.029948	ug/L
Sb	123	175.628	0.001	0.029241	ug/L
Tl	203	33.000	0.000	0.000773	ug/L
Tl	205	72.001	-0.000	0.000741	ug/L
Pb	208	2564.208	0.008	0.088598	ug/L
Bi	209	324642.750	324642.750		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344263.348	344263.348		ug/L
Be	9	2.000	0.000	0.001828	ug/L
V	51	3814.976	0.006	0.172888	ug/L
Cu	63	1101.088	0.004	0.244313	ug/L
Cu	65	583.028	0.002	0.256926	ug/L
Zn	66	1029.084	0.004	0.903284	ug/L
Zn	68	920.068	0.003	0.909820	ug/L
Ge	72	242726.820	242726.820		ug/L
As	75	367.426	0.001	0.252503	ug/L
Se	77	147.003	0.000	0.231444	ug/L
Se	82	23.489	0.000	0.262731	ug/L
Rh	103	297299.883	297299.883		ug/L
Ag	107	34.000	0.000	0.002503	ug/L
Cd	111	-3.252	0.000	-0.002258	ug/L
Cd	114	17.256	0.000	0.002108	ug/L
In	115	240224.244	240224.244		ug/L
Sb	121	204.006	0.001	0.025588	ug/L
Sb	123	167.500	0.001	0.027418	ug/L
Tl	203	27.000	-0.000	-0.001579	ug/L
Tl	205	74.001	-0.000	0.000684	ug/L
Pb	208	2479.194	0.008	0.085881	ug/L
Bi	209	321780.808	321780.808		ug/L

00575

Sample Information

Sample ID: 1002144-16
Autosampler Position: 91
Sample Date/Time: Monday, February 22, 2010 22:47:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-16.107
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	344797.070	344797.070				ug/L
⌊	Be	9	4.667	0.000	0.014273	0.003	17.908	ug/L
⌈	V	51	5296.664	0.011	0.367424	0.006	1.553	ug/L
|	Cu	63	1982.962	0.007	0.471439	0.017	3.548	ug/L
|	Cu	65	956.407	0.004	0.471483	0.006	1.249	ug/L
|	Zn	66	1182.776	0.004	1.052711	0.036	3.400	ug/L
|	Zn	68	1102.429	0.003	1.154393	0.015	1.266	ug/L
|>	Ge	72	243374.538	243374.538				ug/L
|	As	75	240.651	0.001	0.152496	0.019	12.675	ug/L
|	Se	77	124.002	-0.000	-0.011616	0.259	2232.611	ug/L
⌊	Se	82	-30.416	0.000	0.211763	0.061	28.806	ug/L
⌈>	Rh	103	297267.587	297267.587				ug/L
|	Ag	107	42.001	0.000	0.003573	0.000	6.381	ug/L
|	Cd	111	17.294	0.000	0.009353	0.001	12.548	ug/L
⌊	Cd	114	10.691	0.000	0.000512	0.001	174.658	ug/L
⌈>	In	115	241441.024	241441.024				ug/L
|	Sb	121	222.339	0.001	0.026573	0.003	12.713	ug/L
⌊	Sb	123	182.918	0.001	0.030596	0.002	7.465	ug/L
⌈	Tl	203	34.667	-0.000	-0.000631	0.002	260.606	ug/L
|	Tl	205	82.001	-0.000	-0.000219	0.000	193.388	ug/L
|	Pb	208	6582.582	0.018	0.259657	0.005	1.735	ug/L
⌊>	Bi	209	329351.997	329351.997				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.237
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.772
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.573
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.155

00576

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.377

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342381.016	342381.016		ug/L
Be	9	4.000	0.000	0.011322	ug/L
V	51	5288.120	0.011	0.361539	ug/L
Cu	63	1920.277	0.007	0.453803	ug/L
Cu	65	970.076	0.004	0.477201	ug/L
Zn	66	1153.105	0.004	1.019882	ug/L
Zn	68	1115.089	0.004	1.166737	ug/L
Ge	72	244158.206	244158.206		ug/L
As	75	253.609	0.001	0.162076	ug/L
Se	77	143.003	0.000	0.180967	ug/L
Se	82	-37.521	0.000	0.159469	ug/L
Rh	103	297038.371	297038.371		ug/L
Ag	107	40.001	0.000	0.003310	ug/L
Cd	111	19.615	0.000	0.010672	ug/L
Cd	114	13.385	0.000	0.001170	ug/L
In	115	242388.647	242388.647		ug/L
Sb	121	246.007	0.001	0.030378	ug/L
Sb	123	193.627	0.001	0.032773	ug/L
Tl	203	48.001	0.000	0.001120	ug/L
Tl	205	78.001	-0.000	-0.000842	ug/L
Pb	208	6600.256	0.018	0.256716	ug/L
Bi	209	334830.341	334830.341		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	345352.071	345352.071		ug/L
Be	9	5.000	0.000	0.015782	ug/L
V	51	5265.300	0.011	0.357788	ug/L
Cu	63	2029.309	0.008	0.486789	ug/L
Cu	65	939.071	0.004	0.466436	ug/L
Zn	66	1170.108	0.004	1.047707	ug/L
Zn	68	1098.085	0.004	1.158184	ug/L
Ge	72	241804.100	241804.100		ug/L
As	75	210.775	0.001	0.130248	ug/L
Se	77	133.003	0.000	0.090683	ug/L
Se	82	-21.262	0.000	0.278777	ug/L
Rh	103	297022.698	297022.698		ug/L
Ag	107	43.001	0.000	0.003711	ug/L
Cd	111	16.590	0.000	0.008963	ug/L
Cd	114	6.494	0.000	0.000607	ug/L
In	115	241073.277	241073.277		ug/L
Sb	121	215.006	0.001	0.025409	ug/L
Sb	123	171.752	0.001	0.028219	ug/L
Tl	203	23.000	-0.000	-0.002140	ug/L
Tl	205	80.001	-0.000	-0.000223	ug/L
Pb	208	6538.222	0.019	0.264588	ug/L
Bi	209	321477.264	321477.264		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346658.123	346658.123		ug/L
Be	9	5.000	0.000	0.015705	ug/L
V	51	5355.572	0.012	0.372935	ug/L
Cu	63	1999.300	0.008	0.479847	ug/L
Cu	65	960.074	0.004	0.471812	ug/L
Zn	66	1225.117	0.005	1.090743	ug/L
Zn	68	1094.085	0.003	1.138258	ug/L
Ge	72	244161.308	244161.308		ug/L
As	75	257.570	0.001	0.165184	ug/L
Se	77	98.002	0.000	-0.308497	ug/L
Se	82	32.468	0.000	0.197044	ug/L
Rh	103	297740.880	297740.880		ug/L
Ag	107	43.001	0.000	0.003698	ug/L
Cd	111	15.877	0.000	0.008428	ug/L
Cd	114	12.195	0.000	0.000874	ug/L
In	115	240881.148	240881.148		ug/L
Sb	121	208.005	0.001	0.023931	ug/L
Sb	123	163.375	0.001	0.030798	ug/L
Tl	203	33.000	-0.000	-0.000872	ug/L
Tl	205	90.001	0.000	0.000207	ug/L
Pb	208	6809.288	0.019	0.258680	ug/L
Bi	209	331748.387	331748.387		ug/L

00577

Sample Information

Sample ID: 1002144-17
Autosampler Position: 92
Sample Date/Time: Monday, February 22, 2010 22:50:51
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-17.108
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	344078.205	344078.205				ug/L
⌊	Be	9	1.667	0.000	0.000377	0.007	1875.235	ug/L
⌈	V	51	9383.274	0.028	0.898117	0.010	1.145	ug/L
|	Cu	63	6302.175	0.025	1.574029	0.023	1.478	ug/L
|	Cu	65	2968.647	0.012	1.544888	0.073	4.698	ug/L
|	Zn	66	3466.876	0.014	3.286472	0.093	2.829	ug/L
|	Zn	68	2789.906	0.010	3.417280	0.050	1.458	ug/L
|>	Ge	72	245394.052	245394.052				ug/L
|	As	75	2341.781	0.009	1.782542	0.068	3.816	ug/L
|	Se	77	133.669	0.000	0.077837	0.109	140.480	ug/L
⌊	Se	82	-32.778	0.000	0.195946	0.105	53.476	ug/L
⌈>	Rh	103	300237.763	300237.763				ug/L
|	Ag	107	62.001	0.000	0.006167	0.002	37.544	ug/L
|	Cd	111	30.580	0.000	0.016689	0.003	15.876	ug/L
⌊	Cd	114	47.181	0.000	0.009276	0.003	32.146	ug/L
⌈>	In	115	241414.036	241414.036				ug/L
|	Sb	121	1010.415	0.004	0.158438	0.006	3.475	ug/L
⌊	Sb	123	762.044	0.003	0.157095	0.011	6.687	ug/L
⌈	Tl	203	51.334	0.000	0.001622	0.001	90.166	ug/L
|	Tl	205	129.336	0.000	0.002460	0.000	19.814	ug/L
|	Pb	208	35698.264	0.106	1.496301	0.054	3.602	ug/L
⌊>	Bi	209	332581.030	332581.030				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.038
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.583
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.568
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.144

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.351

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	345808.229	345808.229		ug/L
Be	9	3.000	0.000	0.008518	ug/L
V	51	9399.318	0.029	0.667883	ug/L
Cu	63	6282.807	0.025	1.547429	ug/L
Cu	65	2880.843	0.012	1.524279	ug/L
Zn	66	3447.988	0.013	3.232939	ug/L
Zn	68	2796.576	0.010	3.387823	ug/L
Ge	72	247823.670	247823.670		ug/L
As	75	2377.267	0.008	1.791268	ug/L
Se	77	123.002	-0.000	-0.048634	ug/L
Se	82	-31.508	0.000	0.207736	ug/L
Rh	103	299891.611	299891.611		ug/L
Ag	107	47.001	0.000	0.004186	ug/L
Cd	111	25.358	0.000	0.013778	ug/L
Cd	114	61.338	0.000	0.012686	ug/L
In	115	240886.353	240886.353		ug/L
Sb	121	972.076	0.004	0.152380	ug/L
Sb	123	703.297	0.003	0.164289	ug/L
Tl	203	51.001	0.000	0.001344	ug/L
Tl	205	130.002	0.000	0.002249	ug/L
Pb	208	35461.986	0.102	1.436276	ug/L
Bi	209	343825.646	343825.646		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344134.348	344134.348		ug/L
Be	9	0.000	-0.000	-0.007382	ug/L
V	51	9330.909	0.028	0.666838	ug/L
Cu	63	6328.886	0.025	1.560589	ug/L
Cu	65	3100.704	0.012	1.625847	ug/L
Zn	66	3584.920	0.014	3.380837	ug/L
Zn	68	2815.583	0.011	3.474800	ug/L
Ge	72	243810.988	243810.988		ug/L
As	75	2408.563	0.010	1.845778	ug/L
Se	77	141.003	0.000	0.161707	ug/L
Se	82	19.356	0.000	0.294336	ug/L
Rh	103	301418.181	301418.181		ug/L
Ag	107	58.001	0.000	0.005606	ug/L
Cd	111	31.843	0.000	0.017328	ug/L
Cd	114	38.772	0.000	0.007813	ug/L
In	115	241791.095	241791.095		ug/L
Sb	121	1040.086	0.004	0.163138	ug/L
Sb	123	789.548	0.003	0.181956	ug/L
Tl	203	62.001	0.000	0.003204	ug/L
Tl	205	137.003	0.000	0.003018	ug/L
Pb	208	35368.841	0.107	1.512088	ug/L
Bi	209	327627.532	327627.532		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342295.038	342295.038		ug/L
Be	9	2.000	0.000	0.001982	ug/L
V	51	9418.589	0.028	0.908129	ug/L
Cu	63	6314.653	0.025	1.564088	ug/L
Cu	65	2844.586	0.011	1.484838	ug/L
Zn	66	3367.842	0.013	3.232848	ug/L
Zn	68	2757.580	0.010	3.388418	ug/L
Ge	72	244347.518	244347.518		ug/L
As	75	2238.514	0.009	1.710584	ug/L
Se	77	137.003	0.000	0.117638	ug/L
Se	82	-47.474	0.000	0.086784	ug/L
Rh	103	299318.518	299318.518		ug/L
Ag	107	81.001	0.000	0.008712	ug/L
Cd	111	34.528	0.000	0.018883	ug/L
Cd	114	41.438	0.000	0.007821	ug/L
In	115	241566.659	241566.659		ug/L
Sb	121	1019.083	0.004	0.159788	ug/L
Sb	123	707.287	0.003	0.146040	ug/L
Tl	203	41.001	0.000	0.000318	ug/L
Tl	205	121.002	0.000	0.002114	ug/L
Pb	208	38066.656	0.108	1.540568	ug/L
Bi	209	326189.814	326189.814		ug/L

00579

Sample Information

Sample ID: 1002144-18
Autosampler Position: 93
Sample Date/Time: Monday, February 22, 2010 22:54:06
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-18.109
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	342342.591	342342.591				ug/L
⌊	Be	9	1.667	0.000	0.000442	0.010	2212.114	ug/L
⌈	V	51	8554.921	0.024	0.783431	0.012	1.565	ug/L
|	Cu	63	7622.808	0.030	1.902093	0.009	0.492	ug/L
|	Cu	65	3628.291	0.014	1.887781	0.017	0.878	ug/L
|	Zn	66	3150.394	0.012	2.959159	0.139	4.714	ug/L
|	Zn	68	2510.800	0.009	3.023154	0.018	0.595	ug/L
|>	Ge	72	246679.517	246679.517				ug/L
|	As	75	2165.463	0.009	1.636996	0.025	1.507	ug/L
|	Se	77	118.336	-0.000	-0.087278	0.131	150.217	ug/L
⌊	Se	82	-25.755	0.000	0.249253	0.127	51.120	ug/L
⌈>	Rh	103	301442.997	301442.997				ug/L
|	Ag	107	56.667	0.000	0.005429	0.001	12.539	ug/L
|	Cd	111	16.740	0.000	0.008911	0.002	24.086	ug/L
⌊	Cd	114	34.800	0.000	0.006260	0.002	35.685	ug/L
⌈>	In	115	245661.198	245661.198				ug/L
|	Sb	121	984.411	0.004	0.151250	0.003	2.290	ug/L
⌊	Sb	123	757.295	0.003	0.153208	0.004	2.392	ug/L
⌈	Tl	203	45.667	0.000	0.000839	0.000	37.101	ug/L
|	Tl	205	94.668	0.000	0.000456	0.000	25.074	ug/L
|	Pb	208	25453.645	0.075	1.058421	0.020	1.917	ug/L
⌊>	Bi	209	333008.779	333008.779				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.559
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	99.100
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.971
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	100.888

00588

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.480

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	340898.610	340898.610		ug/L
Be	9	0.000	0.000	-0.007382	ug/L
V	51	8394.873	0.024	0.788482	ug/L
Cu	63	7803.120	0.030	1.808293	ug/L
Cu	65	3812.950	0.014	1.891788	ug/L
Zn	66	2999.980	0.012	2.830443	ug/L
Zn	68	2504.484	0.009	3.035840	ug/L
Ge	72	245134.824	245134.824		ug/L
As	75	2166.040	0.009	1.647086	ug/L
Se	77	130.002	0.000	0.040788	ug/L
Se	82	-30.474	0.000	0.212750	ug/L
Rh	103	302080.788	302080.788		ug/L
Ag	107	51.001	0.000	0.004887	ug/L
Cd	111	12.331	0.000	0.006437	ug/L
Cd	114	44.098	0.000	0.008467	ug/L
In	115	247382.991	247382.991		ug/L
Sb	121	974.076	0.004	0.148432	ug/L
Sb	123	754.670	0.003	0.181503	ug/L
Tl	203	47.001	0.000	0.000884	ug/L
Tl	205	95.002	0.000	0.000342	ug/L
Pb	208	25566.218	0.073	1.036134	ug/L
Bi	209	341280.638	341280.638		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	340603.381	340603.381		ug/L
Be	9	4.000	0.000	0.011425	ug/L
V	51	8567.546	0.024	0.788275	ug/L
Cu	63	7560.074	0.030	1.891521	ug/L
Cu	65	3583.936	0.014	1.869569	ug/L
Zn	66	3282.782	0.013	3.107378	ug/L
Zn	68	2488.466	0.009	3.002583	ug/L
Ge	72	245988.438	245988.438		ug/L
As	75	2182.815	0.009	1.655013	ug/L
Se	77	105.002	-0.000	0.221248	ug/L
Se	82	6.428	0.000	0.390938	ug/L
Rh	103	302265.974	302265.974		ug/L
Ag	107	61.001	0.000	0.005978	ug/L
Cd	111	19.255	0.000	0.010251	ug/L
Cd	114	25.451	0.000	0.004000	ug/L
In	115	245691.745	245691.745		ug/L
Sb	121	1008.081	0.004	0.156118	ug/L
Sb	123	745.795	0.003	0.150705	ug/L
Tl	203	43.001	0.000	0.000516	ug/L
Tl	205	98.002	0.000	0.000671	ug/L
Pb	208	25386.788	0.073	1.063308	ug/L
Bi	209	330678.437	330678.437		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	345624.802	345624.802		ug/L
Be	9	1.000	-0.000	-0.002736	ug/L
V	51	8702.343	0.025	0.792527	ug/L
Cu	63	7706.231	0.030	1.906468	ug/L
Cu	65	3887.988	0.014	1.901987	ug/L
Zn	66	3158.730	0.012	2.939557	ug/L
Zn	68	2539.477	0.009	3.031040	ug/L
Ge	72	248815.288	248815.288		ug/L
As	75	2148.534	0.008	1.608869	ug/L
Se	77	120.002	-0.000	0.081358	ug/L
Se	82	-40.384	0.000	0.164068	ug/L
Rh	103	299972.229	299972.229		ug/L
Ag	107	58.001	0.000	0.005642	ug/L
Cd	111	18.634	0.000	0.010015	ug/L
Cd	114	34.861	0.000	0.006312	ug/L
In	115	243908.856	243908.856		ug/L
Sb	121	971.076	0.004	0.150201	ug/L
Sb	123	771.420	0.003	0.157416	ug/L
Tl	203	47.001	0.000	0.001136	ug/L
Tl	205	93.002	0.000	0.000467	ug/L
Pb	208	25407.631	0.076	1.075820	ug/L
Bi	209	327057.263	327057.263		ug/L

99581

Sample Information

Sample ID: 1002144-19

Autosampler Position: 94
Sample Date/Time: Monday, February 22, 2010 22:57:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-19.110
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	343052.874	343052.874				ug/L
	Be	9	2.000	0.000	0.001978	0.005	237.132	ug/L
	V	51	13915.641	0.046	1.497281	0.052	3.489	ug/L
	Cu	63	34478.698	0.140	8.813759	0.087	0.991	ug/L
	Cu	65	16233.588	0.066	8.667583	0.037	0.431	ug/L
	Zn	66	1550.851	0.006	1.407921	0.037	2.658	ug/L
	Zn	68	1335.472	0.004	1.460236	0.052	3.578	ug/L
>	Ge	72	244835.192	244835.192				ug/L
	As	75	1496.265	0.006	1.128820	0.054	4.820	ug/L
	Se	77	138.669	0.000	0.132094	0.123	93.198	ug/L
	Se	82	-18.382	0.000	0.301717	0.131	43.423	ug/L
>	Rh	103	293101.965	293101.965				ug/L
	Ag	107	42.334	0.000	0.003697	0.001	30.903	ug/L
	Cd	111	10.776	0.000	0.005764	0.004	75.679	ug/L
	Cd	114	59.356	0.000	0.012558	0.003	22.672	ug/L
>	In	115	240415.961	240415.961				ug/L
	Sb	121	12401.882	0.051	2.073183	0.023	1.090	ug/L
	Sb	123	9362.599	0.039	2.044342	0.042	2.056	ug/L
	Tl	203	31.334	-0.000	-0.001046	0.000	35.082	ug/L
	Tl	205	71.668	-0.000	-0.000806	0.000	57.524	ug/L
	Pb	208	23858.766	0.071	1.006591	0.013	1.268	ug/L
>	Bi	209	327791.180	327791.180				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	94.755
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.359
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.178
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.734

00582

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.906

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342773.172	342773.172		ug/L
Be	9	3.000	0.000	0.008638	ug/L
V	51	13569.821	0.046	1.464588	ug/L
Cu	63	34108.674	0.139	8.713129	ug/L
Cu	65	16175.456	0.066	8.831303	ug/L
Zn	66	1539.181	0.008	1.396888	ug/L
Zn	68	1307.133	0.004	1.421032	ug/L
Ge	72	244976.529	244976.529		ug/L
As	75	1486.408	0.006	1.120313	ug/L
Se	77	125.002	0.000	0.010047	ug/L
Se	82	-10.402	0.000	0.351286	ug/L
Rh	103	293862.919	293862.919		ug/L
Ag	107	39.000	0.000	0.003232	ug/L
Cd	111	10.898	0.000	0.006810	ug/L
Cd	114	46.210	0.000	0.009282	ug/L
In	115	242779.524	242779.524		ug/L
Sb	121	12537.118	0.061	2.075287	ug/L
Sb	123	9316.037	0.038	2.013688	ug/L
Tl	203	30.000	-0.000	0.001303	ug/L
Tl	205	82.001	-0.000	-0.000278	ug/L
Pb	208	23988.935	0.070	0.984803	ug/L
Bi	209	333381.881	333381.881		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	340145.917	340145.917		ug/L
Be	9	2.000	0.000	0.002041	ug/L
V	51	14289.974	0.048	1.555523	ug/L
Cu	63	34482.376	0.141	8.857847	ug/L
Cu	65	16226.872	0.066	8.705986	ug/L
Zn	66	1513.175	0.008	1.378167	ug/L
Zn	68	1314.134	0.004	1.440125	ug/L
Ge	72	243663.394	243663.394		ug/L
As	75	1563.622	0.008	1.186878	ug/L
Se	77	145.009	0.000	0.204625	ug/L
Se	82	36.513	0.000	0.151501	ug/L
Rh	103	293534.831	293534.831		ug/L
Ag	107	52.001	0.000	0.004988	ug/L
Cd	111	3.143	0.000	0.001379	ug/L
Cd	114	87.074	0.000	0.014433	ug/L
In	115	237298.683	237298.683		ug/L
Sb	121	12387.822	0.052	2.064665	ug/L
Sb	123	9458.227	0.040	2.082298	ug/L
Tl	203	30.000	-0.000	0.001208	ug/L
Tl	205	68.001	-0.000	0.000892	ug/L
Pb	208	24033.943	0.072	1.020142	ug/L
Bi	209	325881.291	325881.291		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346239.532	346239.532		ug/L
Be	9	1.000	0.000	-0.002743	ug/L
V	51	13857.028	0.046	1.481731	ug/L
Cu	63	34847.143	0.141	8.870502	ug/L
Cu	65	16298.737	0.066	8.685460	ug/L
Zn	66	1800.186	0.008	1.449929	ug/L
Zn	68	1385.148	0.005	1.519561	ug/L
Ge	72	245875.663	245875.663		ug/L
As	75	1438.788	0.008	1.079187	ug/L
Se	77	148.005	0.000	0.201504	ug/L
Se	82	6.230	0.000	0.392383	ug/L
Rh	103	291908.146	291908.146		ug/L
Ag	107	36.000	0.000	0.002858	ug/L
Cd	111	18.287	0.000	0.010104	ug/L
Cd	114	64.783	0.000	0.013958	ug/L
In	115	241171.675	241171.675		ug/L
Sb	121	12300.706	0.051	2.049597	ug/L
Sb	123	9314.534	0.038	2.027074	ug/L
Tl	203	34.000	-0.000	0.000828	ug/L
Tl	205	65.001	0.000	0.001148	ug/L
Pb	208	23552.422	0.071	1.004827	ug/L
Bi	209	324110.367	324110.367		ug/L

98583

Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Monday, February 22, 2010 23:00:35
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.111
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	341265.989	341265.989				ug/L
⌊	Be	9	7910.458	0.023	37.069701	1.069	2.883	ug/L
⌈	V	51	282110.081	1.161	37.381528	0.736	1.969	ug/L
|	Cu	63	150301.612	0.623	39.182878	0.794	2.026	ug/L
|	Cu	65	72023.015	0.299	39.231516	0.135	0.344	ug/L
|	Zn	66	38795.801	0.161	38.684183	0.623	1.611	ug/L
|	Zn	68	27951.200	0.115	38.035997	0.679	1.784	ug/L
|>	Ge	72	240956.954	240956.954				ug/L
|	As	75	48842.621	0.203	38.589786	0.788	2.042	ug/L
|	Se	77	3724.008	0.015	37.834788	0.486	1.286	ug/L
⌊	Se	82	4959.463	0.021	37.791257	0.592	1.567	ug/L
⌈>	Rh	103	289166.898	289166.898				ug/L
|	Ag	107	284023.920	0.982	39.025359	0.384	0.983	ug/L
|	Cd	111	65487.302	0.227	38.045697	1.045	2.748	ug/L
⌊	Cd	114	152555.504	0.528	38.144829	0.674	1.768	ug/L
⌈>	In	115	234543.541	234543.541				ug/L
|	Sb	121	210559.002	0.898	36.257630	1.429	3.941	ug/L
⌊	Sb	123	163108.495	0.695	36.664271	1.597	4.357	ug/L
⌈	Tl	203	269787.611	0.849	38.536005	0.752	1.951	ug/L
|	Tl	205	643338.367	2.023	38.729679	0.406	1.048	ug/L
|	Pb	208	863315.648	2.714	38.394027	0.399	1.039	ug/L
⌊>	Bi	209	317917.810	317917.810				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.262
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	96.801
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	96.859
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	96.322

00584

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

95.927

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Units
>	Li	6	337754.320	337754.320		ug/L
	Be	9	8008.587	0.024	37.913197	ug/L
	V	51	278021.288	1.139	38.575848	ug/L
	Cu	63	149847.976	0.617	38.782588	ug/L
	Cu	65	72488.897	0.298	39.213544	ug/L
	Zn	66	38680.837	0.156	38.300547	ug/L
	Zn	68	27576.406	0.113	37.258182	ug/L
>	Ge	72	242627.329	242627.329		ug/L
	As	75	48432.120	0.199	38.000679	ug/L
	Se	77	3712.001	0.015	37.438032	ug/L
	Se	82	4907.327	0.020	37.142274	ug/L
>	Rh	103	291656.116	291656.116		ug/L
	Ag	107	263807.508	0.972	38.634520	ug/L
	Cd	111	64724.203	0.222	37.275606	ug/L
	Cd	114	150752.854	0.517	37.388966	ug/L
>	In	115	235613.984	235613.984		ug/L
	Sb	121	203782.024	0.866	34.925407	ug/L
	Sb	123	158238.251	0.663	34.954026	ug/L
	Tl	203	266827.986	0.831	37.741344	ug/L
	Tl	205	551767.860	2.015	38.572348	ug/L
	Pb	208	686711.020	2.685	37.976467	ug/L
>	Bi	209	323382.914	323382.914		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Units
>	Li	6	341618.783	341618.783		ug/L
	Be	9	7998.554	0.023	37.427991	ug/L
	V	51	283220.150	1.166	37.550384	ug/L
	Cu	63	148214.402	0.615	38.658720	ug/L
	Cu	65	71749.270	0.298	39.106412	ug/L
	Zn	66	38438.532	0.159	38.348809	ug/L
	Zn	68	28278.147	0.116	38.508667	ug/L
>	Ge	72	240808.214	240808.214		ug/L
	As	75	49944.266	0.207	39.484784	ug/L
	Se	77	3707.999	0.015	37.688823	ug/L
	Se	82	5024.492	0.021	38.302797	ug/L
>	Rh	103	286435.072	286435.072		ug/L
	Ag	107	261454.787	0.983	39.040127	ug/L
	Cd	111	66908.338	0.234	39.235743	ug/L
	Cd	114	152887.246	0.534	38.581337	ug/L
>	In	115	235093.711	235093.711		ug/L
	Sb	121	210054.929	0.893	36.080517	ug/L
	Sb	123	164660.801	0.700	36.920883	ug/L
	Tl	203	269099.956	0.851	38.630725	ug/L
	Tl	205	647821.983	2.047	39.190476	ug/L
	Pb	208	887340.191	2.741	38.771182	ug/L
>	Bi	209	316268.232	316268.232		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Units
>	Li	6	344424.883	344424.883		ug/L
	Be	9	7726.254	0.022	35.887917	ug/L
	V	51	265088.804	1.180	36.018355	ug/L
	Cu	63	152842.458	0.638	40.096330	ug/L
	Cu	65	71830.077	0.300	39.374581	ug/L
	Zn	66	39268.034	0.164	39.403383	ug/L
	Zn	68	27998.048	0.116	38.343141	ug/L
>	Ge	72	239437.317	239437.317		ug/L
	As	75	48151.477	0.201	38.283986	ug/L
	Se	77	3753.023	0.015	38.377410	ug/L
	Se	82	4946.570	0.021	37.928701	ug/L
>	Rh	103	289410.507	289410.507		ug/L
	Ag	107	267009.458	0.992	39.401330	ug/L
	Cd	111	64829.384	0.224	37.625744	ug/L
	Cd	114	154016.612	0.532	38.474196	ug/L
>	In	115	232922.928	232922.928		ug/L
	Sb	121	217840.053	0.935	37.766988	ug/L
	Sb	123	168428.434	0.723	38.117926	ug/L
	Tl	203	271434.881	0.864	38.235945	ug/L
	Tl	205	630825.289	2.008	38.426211	ug/L
	Pb	208	853896.733	2.717	38.434431	ug/L
>	Bi	209	314092.284	314092.284		ug/L

00585

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Monday, February 22, 2010 23:09:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.112
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	337732.774	337732.774				ug/L
⌊	Be	9	1.667	0.000	0.000543	0.003	511.669	ug/L
⌈	V	51	2239.503	-0.001	-0.035724	0.003	9.065	ug/L
|	Cu	63	192.005	0.000	0.008929	0.004	42.810	ug/L
|	Cu	65	100.668	0.000	0.009757	0.004	44.335	ug/L
|	Zn	66	144.670	0.000	0.025502	0.015	57.239	ug/L
|	Zn	68	289.342	0.000	0.051044	0.017	33.661	ug/L
|>	Ge	72	242172.983	242172.983				ug/L
|	As	75	-8.096	-0.000	-0.042143	0.036	86.425	ug/L
|	Se	77	108.002	-0.000	-0.172708	0.069	39.756	ug/L
⌊	Se	82	-45.503	0.000	0.097732	0.172	175.580	ug/L
⌈>	Rh	103	295409.951	295409.951				ug/L
|	Ag	107	55.334	0.000	0.005400	0.000	8.100	ug/L
|	Cd	111	2.324	0.000	0.000906	0.001	145.675	ug/L
⌊	Cd	114	7.554	-0.000	-0.000241	0.001	334.347	ug/L
⌈>	In	115	237871.388	237871.388				ug/L
|	Sb	121	572.696	0.002	0.086635	0.010	11.174	ug/L
⌊	Sb	123	432.931	0.002	0.086618	0.006	7.044	ug/L
⌈	Tl	203	37.667	-0.000	-0.000109	0.001	833.703	ug/L
|	Tl	205	85.668	0.000	0.000085	0.000	560.050	ug/L
|	Pb	208	1510.744	0.003	0.042927	0.001	3.179	ug/L
⌊>	Bi	209	323565.105	323565.105				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.286
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.289
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.951
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.689

00586

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

97.631

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	338493.086	338493.086		ug/L
Be	9	2.000	0.000	0.002087	ug/L
V	51	2234.082	0.001	-0.038488	ug/L
Cu	63	162.004	0.000	0.008489	ug/L
Cu	65	103.002	0.000	0.011201	ug/L
Zn	66	128.002	0.000	0.006358	ug/L
Zn	68	286.009	0.000	0.047784	ug/L
Ge	72	241379.077	241379.077		ug/L
As	75	32.670	0.000	-0.009801	ug/L
Se	77	113.002	-0.000	-0.116879	ug/L
Se	82	-20.387	0.000	0.286071	ug/L
Rh	103	297326.977	297326.977		ug/L
Ag	107	58.001	0.000	0.006844	ug/L
Cd	111	0.035	0.000	-0.000440	ug/L
Cd	114	10.024	0.000	0.000360	ug/L
In	115	238021.673	238021.673		ug/L
Sb	121	615.033	0.002	0.093757	ug/L
Sb	123	458.264	0.002	0.092188	ug/L
Tl	203	43.001	0.000	0.000546	ug/L
Tl	205	81.001	-0.000	-0.000274	ug/L
Pb	208	1501.078	0.003	0.041398	ug/L
Bi	209	329040.314	329040.314		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	334250.086	334250.086		ug/L
Be	9	2.000	0.000	0.002207	ug/L
V	51	2269.808	-0.001	0.032623	ug/L
Cu	63	165.004	0.000	0.009894	ug/L
Cu	65	92.002	0.000	0.004894	ug/L
Zn	66	149.003	0.000	0.029379	ug/L
Zn	68	279.008	0.000	0.035738	ug/L
Ge	72	242923.138	242923.138		ug/L
As	75	-58.381	-0.000	-0.081680	ug/L
Se	77	101.002	-0.000	-0.249302	ug/L
Se	82	-65.618	0.000	0.051827	ug/L
Rh	103	294749.353	294749.353		ug/L
Ag	107	52.001	0.000	0.004958	ug/L
Cd	111	4.594	0.000	0.002198	ug/L
Cd	114	8.860	0.000	0.000098	ug/L
In	115	237615.391	237615.391		ug/L
Sb	121	595.031	0.002	0.090536	ug/L
Sb	123	436.892	0.002	0.087600	ug/L
Tl	203	30.000	-0.000	-0.001143	ug/L
Tl	205	82.001	0.000	-0.000094	ug/L
Pb	208	1523.078	0.003	0.044026	ug/L
Bi	209	320808.088	320808.088		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	340466.141	340466.141		ug/L
Be	9	1.000	0.000	-0.002668	ug/L
V	51	2214.619	0.001	-0.038068	ug/L
Cu	63	209.005	0.000	0.013334	ug/L
Cu	65	107.002	0.000	0.013177	ug/L
Zn	66	157.003	0.000	0.037788	ug/L
Zn	68	303.009	0.000	0.068829	ug/L
Ge	72	242216.737	242216.737		ug/L
As	75	1.234	0.000	-0.034878	ug/L
Se	77	110.002	0.000	-0.152142	ug/L
Se	82	-50.508	0.000	0.059861	ug/L
Rh	103	294153.524	294153.524		ug/L
Ag	107	55.001	0.000	0.005388	ug/L
Cd	111	2.414	0.000	0.000958	ug/L
Cd	114	3.779	0.000	-0.001159	ug/L
In	115	237977.102	237977.102		ug/L
Sb	121	508.023	0.002	0.075613	ug/L
Sb	123	403.838	0.002	0.080086	ug/L
Tl	203	40.001	0.000	0.000272	ug/L
Tl	205	94.002	0.000	0.000522	ug/L
Pb	208	1508.078	0.003	0.043356	ug/L
Bi	209	320848.931	320848.931		ug/L

99587

Sample Information

Sample ID: 1001399-MS2
Autosampler Position: 95
Sample Date/Time: Monday, February 22, 2010 23:12:17
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001399-MS2.113
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	346609.182	346609.182				ug/L
⌊	Be	9	3867.752	0.011	17.838464	0.265	1.483	ug/L
⌈	V	51	153243.169	0.614	19.772554	0.414	2.093	ug/L
|	Cu	63	106555.654	0.433	27.253383	0.419	1.538	ug/L
|	Cu	65	50176.456	0.204	26.814156	0.344	1.283	ug/L
|	Zn	66	18944.951	0.077	18.480927	0.432	2.337	ug/L
|	Zn	68	13780.753	0.055	18.227795	0.128	0.701	ug/L
|>	Ge	72	245491.625	245491.625				ug/L
|	As	75	24789.148	0.101	19.206696	0.253	1.315	ug/L
|	Se	77	1792.576	0.007	17.189456	0.351	2.043	ug/L
⌊	Se	82	2238.920	0.009	16.991946	0.575	3.382	ug/L
⌈>	Rh	103	295050.933	295050.933				ug/L
|	Ag	107	134632.805	0.456	18.129932	0.375	2.069	ug/L
|	Cd	111	31501.465	0.107	17.933469	0.213	1.189	ug/L
⌊	Cd	114	73920.544	0.251	18.111555	0.022	0.121	ug/L
⌈>	In	115	240424.412	240424.412				ug/L
|	Sb	121	123031.088	0.512	20.662401	0.322	1.557	ug/L
⌊	Sb	123	94946.670	0.395	20.815872	0.321	1.541	ug/L
⌈	Tl	203	134747.502	0.407	18.461014	0.387	2.095	ug/L
|	Tl	205	320137.556	0.966	18.490718	0.478	2.585	ug/L
|	Pb	208	451920.837	1.362	19.272056	0.464	2.407	ug/L
⌊>	Bi	209	331458.086	331458.086				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.737
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.623
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.830
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.737

00588

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

100.012

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	347048.283	347048.283		ug/L
Be	9	3837.089	0.011	17.674758	ug/L
V	51	153807.826	0.611	19.678281	ug/L
Cu	63	106818.884	0.427	26.880833	ug/L
Cu	65	49815.298	0.201	26.446847	ug/L
Zn	66	18788.889	0.076	18.171986	ug/L
Zn	68	13918.881	0.056	18.252296	ug/L
Ge	72	247568.562	247568.562		ug/L
As	75	24856.271	0.098	18.843371	ug/L
Se	77	1768.237	0.007	18.783901	ug/L
Se	82	2174.900	0.009	18.380841	ug/L
Rh	103	297279.042	297279.042		ug/L
Ag	107	132448.006	0.446	17.700377	ug/L
Cd	111	31653.204	0.106	17.884454	ug/L
Cd	114	74581.236	0.251	18.136570	ug/L
In	115	243838.284	243838.284		ug/L
Sb	121	122577.027	0.502	20.286151	ug/L
Sb	123	95210.930	0.390	20.578980	ug/L
Tl	203	135662.468	0.397	18.017913	ug/L
Tl	205	320988.021	0.940	17.984568	ug/L
Pb	208	452812.488	1.325	18.737178	ug/L
Bi	209	341813.843	341813.843		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346866.231	346866.231		ug/L
Be	9	3837.124	0.011	18.143681	ug/L
V	51	156863.141	0.626	20.228408	ug/L
Cu	63	108380.942	0.433	27.304838	ug/L
Cu	65	50257.589	0.204	26.661984	ug/L
Zn	66	18734.777	0.076	18.296294	ug/L
Zn	68	13675.215	0.056	18.089598	ug/L
Ge	72	245434.871	245434.871		ug/L
As	75	24814.803	0.101	19.229881	ug/L
Se	77	1812.248	0.007	17.394981	ug/L
Se	82	2249.866	0.009	17.073530	ug/L
Rh	103	294263.936	294263.936		ug/L
Ag	107	135520.875	0.460	18.298875	ug/L
Cd	111	31094.980	0.106	17.749084	ug/L
Cd	114	73567.866	0.250	18.095557	ug/L
In	115	240175.708	240175.708		ug/L
Sb	121	123720.800	0.515	20.796946	ug/L
Sb	123	94277.536	0.392	20.687866	ug/L
Tl	203	135278.339	0.413	18.731326	ug/L
Tl	205	317880.848	0.969	18.563236	ug/L
Pb	208	453840.122	1.383	19.563624	ug/L
Bi	209	327846.233	327846.233		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	345887.052	345887.052		ug/L
Be	9	3829.084	0.011	17.686856	ug/L
V	51	149288.841	0.603	19.413994	ug/L
Cu	63	107397.436	0.440	27.094877	ug/L
Cu	65	50356.382	0.208	27.131868	ug/L
Zn	66	19290.206	0.079	18.974821	ug/L
Zn	68	13781.352	0.056	18.341493	ug/L
Ge	72	243474.443	243474.443		ug/L
As	75	24894.309	0.102	19.447066	ug/L
Se	77	1797.244	0.007	17.389485	ug/L
Se	82	2291.994	0.010	17.521468	ug/L
Rh	103	293808.821	293808.821		ug/L
Ag	107	135829.536	0.463	18.392744	ug/L
Cd	111	31758.213	0.108	18.166888	ug/L
Cd	114	73522.507	0.250	18.102539	ug/L
In	115	237261.244	237261.244		ug/L
Sb	121	122795.737	0.517	20.895104	ug/L
Sb	123	95361.540	0.402	21.180776	ug/L
Tl	203	133411.702	0.410	18.533805	ug/L
Tl	205	321585.998	0.988	18.934350	ug/L
Pb	208	448809.900	1.380	19.515366	ug/L
Bi	209	325014.081	325014.081		ug/L

99589

Sample Information

Sample ID: 1001399-MSD2
Autosampler Position: 96
Sample Date/Time: Monday, February 22, 2010 23:15:32
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001399-MSD2.114
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	344650.053	344650.053				ug/L
⌊	Be	9	3864.084	0.011	17.923862	0.482	2.689	ug/L
⌈	V	51	152663.450	0.618	19.914493	0.106	0.533	ug/L
|	Cu	63	103316.623	0.425	26.708993	0.428	1.603	ug/L
|	Cu	65	48870.112	0.201	26.398654	0.498	1.886	ug/L
|	Zn	66	18655.521	0.076	18.394515	0.400	2.177	ug/L
|	Zn	68	13714.959	0.055	18.338817	0.098	0.536	ug/L
|>	Ge	72	242862.610	242862.610				ug/L
|	As	75	24011.003	0.099	18.805459	0.481	2.556	ug/L
|	Se	77	1786.241	0.007	17.324628	0.742	4.284	ug/L
⌊	Se	82	2228.646	0.009	17.095001	0.779	4.555	ug/L
⌈>	Rh	103	294858.545	294858.545				ug/L
|	Ag	107	131778.339	0.447	17.754852	0.212	1.195	ug/L
|	Cd	111	30562.693	0.104	17.409647	0.121	0.695	ug/L
⌊	Cd	114	71594.868	0.243	17.553704	0.146	0.831	ug/L
⌈>	In	115	237022.026	237022.026				ug/L
|	Sb	121	116728.197	0.492	19.881459	0.396	1.993	ug/L
⌊	Sb	123	88899.503	0.375	19.767103	0.198	1.002	ug/L
⌈	Tl	203	130038.736	0.396	17.987059	0.528	2.935	ug/L
|	Tl	205	313745.396	0.956	18.292803	0.472	2.582	ug/L
|	Pb	208	443755.747	1.350	19.101135	0.310	1.625	ug/L
⌊>	Bi	209	328313.675	328313.675				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.196
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.566
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.766
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.340

09559

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.063

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346722.356	346722.356		ug/L
Be	9	3788.032	0.011	17.427686	ug/L
V	51	152686.868	0.622	20.019470	ug/L
Cu	63	104700.818	0.433	27.201498	ug/L
Cu	65	49378.581	0.204	26.804563	ug/L
Zn	66	18998.417	0.078	18.825123	ug/L
Zn	68	13567.008	0.056	18.229816	ug/L
Ge	72	241667.252	241667.252		ug/L
As	75	24237.378	0.100	19.075616	ug/L
Se	77	1857.280	0.007	18.158808	ug/L
Se	82	2266.037	0.010	17.455006	ug/L
Rh	103	296848.621	296848.621		ug/L
Ag	107	132838.173	0.448	17.790390	ug/L
Cd	111	30819.981	0.104	17.450857	ug/L
Cd	114	71792.070	0.242	17.485331	ug/L
In	115	236352.368	236352.358		ug/L
Sb	121	113738.527	0.481	19.427588	ug/L
Sb	123	88478.730	0.374	19.728587	ug/L
Tl	203	129805.294	0.383	17.392977	ug/L
Tl	205	312824.986	0.930	17.796548	ug/L
Pb	208	446093.588	1.325	18.748397	ug/L
Bi	209	336171.183	336171.183		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344331.520	344331.520		ug/L
Be	9	3867.086	0.011	17.953525	ug/L
V	51	152118.834	0.618	19.918818	ug/L
Cu	63	101880.011	0.420	26.428562	ug/L
Cu	65	48988.770	0.202	26.548376	ug/L
Zn	66	18818.168	0.078	18.325070	ug/L
Zn	68	13723.307	0.056	18.420088	ug/L
Ge	72	241980.258	241980.258		ug/L
As	75	24286.513	0.100	19.090281	ug/L
Se	77	1758.233	0.007	17.077271	ug/L
Se	82	2292.024	0.010	17.629800	ug/L
Rh	103	292916.190	292916.190		ug/L
Ag	107	129228.770	0.441	17.527088	ug/L
Cd	111	30123.144	0.103	17.273441	ug/L
Cd	114	71797.832	0.245	17.719711	ug/L
In	115	236832.750	236832.750		ug/L
Sb	121	117884.394	0.497	20.057747	ug/L
Sb	123	89793.394	0.378	19.981884	ug/L
Tl	203	131534.344	0.406	18.402203	ug/L
Tl	205	317680.906	0.979	18.735807	ug/L
Pb	208	443978.909	1.367	19.333016	ug/L
Bi	209	324472.258	324472.258		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343898.282	343898.282		ug/L
Be	9	3856.135	0.011	18.390376	ug/L
V	51	153177.529	0.616	19.807392	ug/L
Cu	63	103399.044	0.421	26.498830	ug/L
Cu	65	48262.984	0.197	25.843034	ug/L
Zn	66	18461.987	0.075	18.033361	ug/L
Zn	68	13664.562	0.056	18.366786	ug/L
Ge	72	244870.321	244870.321		ug/L
As	75	23509.120	0.096	18.250579	ug/L
Se	77	1745.231	0.007	16.737703	ug/L
Se	82	2127.877	0.009	16.201394	ug/L
Rh	103	295010.824	295010.824		ug/L
Ag	107	133269.078	0.462	17.947068	ug/L
Cd	111	30744.975	0.104	17.504844	ug/L
Cd	114	71194.701	0.241	17.446070	ug/L
In	115	237880.970	237880.970		ug/L
Sb	121	116781.870	0.498	20.156035	ug/L
Sb	123	88428.385	0.372	19.581036	ug/L
Tl	203	129776.610	0.400	18.165088	ug/L
Tl	205	310930.323	0.958	18.347257	ug/L
Pb	208	441194.744	1.358	19.221984	ug/L
Bi	209	324297.586	324297.586		ug/L

00591

Sample Information

Sample ID: 0B22027-SRD5
Autosampler Position: 97
Sample Date/Time: Monday, February 22, 2010 23:24:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-SRD5.115
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	339201.282	339201.282				ug/L
⌊	Be	9	2.000	0.000	0.001947	0.009	472.572	ug/L
⌈	V	51	4598.205	0.009	0.275529	0.014	4.902	ug/L
|	Cu	63	6990.489	0.028	1.766751	0.025	1.426	ug/L
|	Cu	65	3283.454	0.013	1.729396	0.014	0.826	ug/L
|	Zn	66	462.686	0.001	0.340137	0.015	4.310	ug/L
|	Zn	68	548.360	0.001	0.401865	0.075	18.562	ug/L
|>	Ge	72	243163.836	243163.836				ug/L
|	As	75	318.374	0.001	0.213653	0.057	26.710	ug/L
|	Se	77	134.003	0.000	0.093472	0.113	120.990	ug/L
⌊	Se	82	-40.146	0.000	0.139221	0.254	182.677	ug/L
⌈>	Rh	103	294882.791	294882.791				ug/L
|	Ag	107	89.668	0.000	0.010054	0.002	19.776	ug/L
|	Cd	111	6.903	0.000	0.003518	0.003	87.381	ug/L
⌊	Cd	114	20.541	0.000	0.002950	0.001	35.087	ug/L
⌈>	In	115	237622.519	237622.519				ug/L
|	Sb	121	2644.516	0.011	0.438922	0.004	0.937	ug/L
⌊	Sb	123	2018.968	0.008	0.438631	0.008	1.906	ug/L
⌈	Tl	203	31.000	-0.000	-0.001091	0.001	71.975	ug/L
|	Tl	205	62.334	-0.000	-0.001345	0.000	9.213	ug/L
|	Pb	208	5007.068	0.014	0.193055	0.007	3.460	ug/L
⌊>	Bi	209	327646.414	327646.414				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.691
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.687
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.774
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.586

00592

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.862

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	335566.203	335566.203		ug/L
Be	9	2.000	0.000	0.002170	ug/L
V	51	4536.984	0.009	0.264877	ug/L
Cu	63	6928.428	0.029	1.742222	ug/L
Cu	65	3325.807	0.013	1.743880	ug/L
Zn	66	454.019	0.001	0.329402	ug/L
Zn	68	526.029	0.001	0.370791	ug/L
Ge	72	244311.311	244311.311		ug/L
As	75	293.489	0.001	0.193056	ug/L
Se	77	126.002	0.000	0.003839	ug/L
Se	82	-72.658	-0.000	-0.101329	ug/L
Rh	103	293877.493	293877.493		ug/L
Ag	107	101.002	0.000	0.011610	ug/L
Cd	111	13.103	0.000	0.007068	ug/L
Cd	114	25.308	0.000	0.004137	ug/L
In	115	236598.182	236598.182		ug/L
Sb	121	2630.511	0.011	0.438477	ug/L
Sb	123	1974.788	0.008	0.430744	ug/L
Tl	203	26.000	-0.000	-0.001783	ug/L
Tl	205	84.001	-0.000	-0.001256	ug/L
Pb	208	4847.887	0.013	0.185720	ug/L
Bi	209	326341.214	326341.214		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	334282.553	334282.553		ug/L
Be	9	0.000	-0.000	0.007362	ug/L
V	51	4705.302	0.009	0.280822	ug/L
Cu	63	6975.474	0.029	1.755482	ug/L
Cu	65	3277.786	0.013	1.729001	ug/L
Zn	66	456.019	0.001	0.334168	ug/L
Zn	68	610.032	0.001	0.486974	ug/L
Ge	72	242803.157	242803.157		ug/L
As	75	400.120	0.001	0.278180	ug/L
Se	77	146.003	0.000	0.220531	ug/L
Se	82	4.410	0.000	0.405383	ug/L
Rh	103	292309.056	292309.056		ug/L
Ag	107	94.002	0.000	0.010737	ug/L
Cd	111	3.702	0.000	0.001708	ug/L
Cd	114	17.480	0.000	0.002238	ug/L
In	115	238235.892	238235.892		ug/L
Sb	121	2628.510	0.011	0.435051	ug/L
Sb	123	2063.689	0.008	0.447364	ug/L
Tl	203	37.000	-0.000	0.000243	ug/L
Tl	205	63.001	-0.000	-0.001293	ug/L
Pb	208	5121.788	0.014	0.198788	ug/L
Bi	209	326480.782	326480.782		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	347768.090	347768.090		ug/L
Be	9	4.000	0.000	0.011033	ug/L
V	51	4562.329	0.009	0.271390	ug/L
Cu	63	7067.566	0.029	1.792548	ug/L
Cu	65	3246.770	0.013	1.715308	ug/L
Zn	66	478.021	0.001	0.356839	ug/L
Zn	68	507.023	0.001	0.347830	ug/L
Ge	72	242377.041	242377.041		ug/L
As	75	261.513	0.001	0.168744	ug/L
Se	77	130.002	0.000	0.056048	ug/L
Se	82	43.372	0.000	0.113611	ug/L
Rh	103	298381.625	298381.625		ug/L
Ag	107	74.001	0.000	0.007814	ug/L
Cd	111	3.904	0.000	0.001779	ug/L
Cd	114	18.834	0.000	0.002476	ug/L
In	115	238033.483	238033.483		ug/L
Sb	121	2674.527	0.011	0.443239	ug/L
Sb	123	2018.424	0.008	0.437786	ug/L
Tl	203	30.000	-0.000	0.001237	ug/L
Tl	205	60.001	0.000	0.001488	ug/L
Pb	208	5051.740	0.014	0.194668	ug/L
Bi	209	328117.268	328117.268		ug/L

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Sample Information

Sample ID: 1001399-PS2
Autosampler Position: 98
Sample Date/Time: Monday, February 22, 2010 23:27:19
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001399-PS2.116
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	344149.102	344149.102				ug/L
⌊	Be	9	4016.503	0.012	18.656336	0.195	1.046	ug/L
⌈	V	51	161973.780	0.655	21.087211	0.166	0.788	ug/L
|	Cu	63	110127.603	0.452	28.389463	0.288	1.015	ug/L
|	Cu	65	52669.345	0.216	28.368965	0.211	0.744	ug/L
|	Zn	66	20108.803	0.082	19.778271	0.356	1.798	ug/L
|	Zn	68	14937.753	0.060	19.946660	0.253	1.269	ug/L
|>	Ge	72	243565.865	243565.865				ug/L
|	As	75	26030.612	0.107	20.328134	0.187	0.921	ug/L
|	Se	77	1919.610	0.007	18.654367	0.185	0.989	ug/L
⌊	Se	82	2444.697	0.010	18.652542	0.087	0.464	ug/L
⌈>	Rh	103	295862.835	295862.835				ug/L
|	Ag	107	140767.170	0.476	18.912220	0.676	3.573	ug/L
|	Cd	111	32467.931	0.110	18.437933	0.338	1.833	ug/L
⌊	Cd	114	77262.941	0.261	18.884569	0.379	2.007	ug/L
⌈>	In	115	237033.122	237033.122				ug/L
|	Sb	121	118546.892	0.500	20.196945	0.541	2.678	ug/L
⌊	Sb	123	90526.507	0.382	20.132886	0.471	2.339	ug/L
⌈	Tl	203	138068.783	0.421	19.104070	0.737	3.860	ug/L
|	Tl	205	331442.500	1.010	19.326343	0.449	2.325	ug/L
|	Pb	208	469917.417	1.430	20.234008	0.538	2.658	ug/L
⌊>	Bi	209	328313.164	328313.164				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.058
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.849
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.102
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.344

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Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.063

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	349478.782	349479.782		ug/L
Be	9	4073.202	0.012	18.632188	ug/L
V	51	162813.119	0.600	21.271788	ug/L
Cu	63	109822.356	0.451	26.329878	ug/L
Cu	65	52051.486	0.214	26.132643	ug/L
Zn	66	20240.840	0.083	19.976730	ug/L
Zn	68	14984.820	0.061	20.056404	ug/L
Ge	72	242731.791	242731.791		ug/L
As	75	25803.621	0.106	20.220443	ug/L
Se	77	1693.270	0.007	18.448410	ug/L
Se	82	2429.958	0.010	18.606156	ug/L
Rh	103	303433.978	303433.978		ug/L
Ag	107	140097.986	0.463	18.343017	ug/L
Cd	111	32631.841	0.108	18.083411	ug/L
Cd	114	77733.231	0.256	18.519677	ug/L
In	115	240931.156	240931.156		ug/L
Sb	121	117075.836	0.466	19.617898	ug/L
Sb	123	89727.322	0.372	19.627184	ug/L
Tl	203	136810.463	0.404	18.338475	ug/L
Tl	205	332100.188	0.983	18.807766	ug/L
Pb	208	470133.089	1.390	19.668819	ug/L
Bi	209	337898.926	337898.926		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	338177.668	338177.668		ug/L
Be	9	3908.108	0.012	18.474380	ug/L
V	51	161390.813	0.653	21.040433	ug/L
Cu	63	111182.733	0.456	26.702982	ug/L
Cu	65	52718.341	0.216	26.436758	ug/L
Zn	66	20294.984	0.083	19.990389	ug/L
Zn	68	15048.982	0.061	20.123758	ug/L
Ge	72	243215.851	243215.851		ug/L
As	75	25854.008	0.106	20.219803	ug/L
Se	77	1931.280	0.007	18.804638	ug/L
Se	82	2434.121	0.010	18.600086	ug/L
Rh	103	294572.268	294572.268		ug/L
Ag	107	138810.088	0.472	18.734672	ug/L
Cd	111	32498.040	0.110	18.530535	ug/L
Cd	114	76841.152	0.261	18.657920	ug/L
In	115	235862.843	235862.843		ug/L
Sb	121	119008.399	0.502	20.284397	ug/L
Sb	123	90843.684	0.383	20.212946	ug/L
Tl	203	138028.230	0.422	19.181936	ug/L
Tl	205	334465.843	1.023	19.573529	ug/L
Pb	208	470221.163	1.438	20.318908	ug/L
Bi	209	326998.631	326998.631		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	344789.859	344789.859		ug/L
Be	9	4088.199	0.012	18.862481	ug/L
V	51	161717.308	0.650	20.849418	ug/L
Cu	63	109877.717	0.447	26.135860	ug/L
Cu	65	53240.210	0.217	26.538493	ug/L
Zn	66	19780.578	0.080	19.387892	ug/L
Zn	68	14798.457	0.059	19.880617	ug/L
Ge	72	244749.958	244749.958		ug/L
As	75	26434.210	0.108	20.544368	ug/L
Se	77	1934.261	0.007	18.709863	ug/L
Se	82	2470.018	0.010	18.752384	ug/L
Rh	103	289582.264	289582.264		ug/L
Ag	107	143293.456	0.496	19.686871	ug/L
Cd	111	32273.912	0.111	18.719862	ug/L
Cd	114	77214.441	0.267	18.276108	ug/L
In	115	233308.387	233308.387		ug/L
Sb	121	119588.444	0.512	20.688743	ug/L
Sb	123	91008.516	0.390	20.568648	ug/L
Tl	203	139867.658	0.428	19.610799	ug/L
Tl	205	327761.479	1.024	19.597748	ug/L
Pb	208	468398.018	1.466	20.724298	ug/L
Bi	209	320045.037	320045.037		ug/L

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Sample Information

Sample ID: 1001400-BLK2
Autosampler Position: 99
Sample Date/Time: Monday, February 22, 2010 23:35:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001400-BLK2.117
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	342488.588	342488.588				ug/L
⌊	Be	9	1.333	-0.000	-0.001109	0.003	253.309	ug/L
⌈	V	51	2521.088	-0.000	-0.002386	0.008	329.426	ug/L
|	Cu	63	530.358	0.002	0.095100	0.004	4.156	ug/L
|	Cu	65	245.007	0.001	0.086423	0.007	8.187	ug/L
|	Zn	66	1986.629	0.008	1.834107	0.010	0.572	ug/L
|	Zn	68	1572.523	0.005	1.777659	0.130	7.302	ug/L
|>	Ge	72	245186.653	245186.653				ug/L
|	As	75	5.121	-0.000	-0.031935	0.047	146.712	ug/L
|	Se	77	117.669	-0.000	-0.086528	0.174	201.020	ug/L
⌊	Se	82	-49.818	0.000	0.069810	0.078	112.132	ug/L
⌈>	Rh	103	295524.026	295524.026				ug/L
|	Ag	107	90.668	0.000	0.010168	0.003	31.223	ug/L
|	Cd	111	1.967	0.000	0.000687	0.003	494.824	ug/L
⌊	Cd	114	5.095	-0.000	-0.000848	0.001	147.187	ug/L
⌈>	In	115	239904.622	239904.622				ug/L
|	Sb	121	368.347	0.001	0.051396	0.008	15.242	ug/L
⌊	Sb	123	275.295	0.001	0.051157	0.002	3.424	ug/L
⌈	Tl	203	24.334	-0.000	-0.001999	0.001	33.479	ug/L
|	Tl	205	53.334	-0.000	-0.001859	0.000	15.544	ug/L
|	Pb	208	1239.721	0.002	0.030640	0.004	14.649	ug/L
⌊>	Bi	209	326387.637	326387.637				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.599
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.500
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.989
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.524

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Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	98.482

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	338791.408	338791.408		ug/L
Be	9	7.000	0.000	0.002136	ug/L
V	51	2488.368	-0.000	-0.007712	ug/L
Cu	63	531.025	0.002	0.065633	ug/L
Cu	65	230.005	0.001	0.079008	ug/L
Zn	66	1857.291	0.008	1.624718	ug/L
Zn	68	1494.171	0.006	1.581883	ug/L
Ge	72	243978.207	243978.207		ug/L
As	75	32.466	0.000	0.010493	ug/L
Se	77	113.002	-0.000	-0.129308	ug/L
Se	82	37.544	0.000	0.156088	ug/L
Rh	103	298183.916	298183.916		ug/L
Ag	107	84.001	0.000	0.008228	ug/L
Cd	111	8.348	0.000	0.004316	ug/L
Cd	114	5.746	0.000	-0.000885	ug/L
In	115	241295.924	241295.924		ug/L
Sb	121	425.017	0.001	0.058887	ug/L
Sb	123	268.504	0.001	0.049647	ug/L
Tl	203	24.000	-0.000	-0.002081	ug/L
Tl	205	58.001	-0.000	-0.001636	ug/L
Pb	208	1161.048	0.002	0.029674	ug/L
Bi	209	330404.170	330404.170		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343182.128	343182.128		ug/L
Be	9	1.000	-0.000	-0.002702	ug/L
V	51	2585.505	0.000	0.008842	ug/L
Cu	63	543.028	0.002	0.068589	ug/L
Cu	65	257.007	0.001	0.093086	ug/L
Zn	66	1981.298	0.008	1.832174	ug/L
Zn	68	1579.214	0.006	1.925388	ug/L
Ge	72	244775.819	244775.819		ug/L
As	75	64.001	-0.000	-0.085671	ug/L
Se	77	136.003	0.000	0.104809	ug/L
Se	82	57.380	0.000	0.012939	ug/L
Rh	103	297693.794	297693.794		ug/L
Ag	107	72.001	0.000	0.007588	ug/L
Cd	111	1.048	0.000	0.000172	ug/L
Cd	114	9.874	0.000	0.000311	ug/L
In	115	237165.844	237165.844		ug/L
Sb	121	358.013	0.001	0.050388	ug/L
Sb	123	271.001	0.001	0.050903	ug/L
Tl	203	29.000	-0.000	-0.001258	ug/L
Tl	205	54.001	-0.000	-0.001767	ug/L
Pb	208	1330.081	0.003	0.038456	ug/L
Bi	209	321123.886	321123.886		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	347492.230	347492.230		ug/L
Be	9	1.000	-0.000	0.002780	ug/L
V	51	2609.368	0.000	-0.008088	ug/L
Cu	63	517.024	0.001	0.090797	ug/L
Cu	65	246.007	0.001	0.087169	ug/L
Zn	66	2011.303	0.008	1.845430	ug/L
Zn	68	1544.182	0.006	1.725708	ug/L
Ge	72	246808.934	246808.934		ug/L
As	75	46.898	0.000	0.000356	ug/L
Se	77	104.002	-0.000	-0.235085	ug/L
Se	82	54.529	0.000	0.037402	ug/L
Rh	103	292884.388	292884.388		ug/L
Ag	107	116.002	0.000	0.013708	ug/L
Cd	111	3.497	0.000	-0.002436	ug/L
Cd	114	0.338	-0.000	0.002170	ug/L
In	115	241282.098	241282.098		ug/L
Sb	121	327.011	0.001	0.044133	ug/L
Sb	123	286.379	0.001	0.053022	ug/L
Tl	203	20.000	-0.000	-0.002617	ug/L
Tl	205	46.001	0.000	0.002182	ug/L
Pb	208	1228.053	0.003	0.029888	ug/L
Bi	208	327834.858	327834.858		ug/L

Sample ID: 1001400-BLK2
Report Date/Time: Monday, February 22, 2010 23:37:38

Sample Information

Sample ID: 1001400-BS2
Autosampler Position: 100
Sample Date/Time: Monday, February 22, 2010 23:39:05
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001400-BS2.118
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	346796.336	346796.336				ug/L
⌊	Be	9	3823.061	0.011	17.623809	0.387	2.197	ug/L
⌈	V	51	145315.031	0.588	18.926860	0.150	0.791	ug/L
|	Cu	63	76065.652	0.312	19.639165	0.077	0.393	ug/L
|	Cu	65	35610.238	0.146	19.209203	0.157	0.817	ug/L
|	Zn	66	21118.719	0.086	20.823621	0.203	0.974	ug/L
|	Zn	68	15353.639	0.062	20.557091	0.248	1.208	ug/L
|>	Ge	72	243025.617	243025.617				ug/L
|	As	75	23574.878	0.097	18.448644	0.339	1.838	ug/L
|	Se	77	1832.920	0.007	17.794432	0.380	2.134	ug/L
⌊	Se	82	2309.993	0.010	17.688039	0.193	1.093	ug/L
⌈>	Rh	103	295536.670	295536.670				ug/L
|	Ag	107	138886.795	0.470	18.673281	0.393	2.106	ug/L
|	Cd	111	31222.659	0.106	17.747201	0.420	2.367	ug/L
⌊	Cd	114	74420.571	0.252	18.206753	0.288	1.583	ug/L
⌈>	In	115	237588.837	237588.837				ug/L
|	Sb	121	107921.086	0.454	18.339236	0.422	2.302	ug/L
⌊	Sb	123	82786.466	0.348	18.364319	0.252	1.374	ug/L
⌈	Tl	203	134132.418	0.408	18.538904	0.146	0.788	ug/L
|	Tl	205	319418.952	0.972	18.610230	0.256	1.375	ug/L
|	Pb	208	430613.844	1.309	18.523376	0.100	0.538	ug/L
⌊>	Bi	209	328440.657	328440.657				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.789
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.632
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.993
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.573

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Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.102

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	348080.328	348080.328		ug/L
Be	9	3750.022	0.011	17.221740	ug/L
V	51	144581.268	0.587	18.906204	ug/L
Cu	63	75430.946	0.311	19.552982	ug/L
Cu	65	35272.228	0.145	19.101908	ug/L
Zn	66	21246.788	0.087	21.033486	ug/L
Zn	68	15108.112	0.061	20.304584	ug/L
Ge	72	242086.744	242086.744		ug/L
As	75	23136.703	0.095	18.176054	ug/L
Se	77	1815.249	0.007	17.688802	ug/L
Se	82	2304.788	0.010	17.716831	ug/L
Rh	103	291776.944	291776.944		ug/L
Ag	107	140476.291	0.481	18.127436	ug/L
Cd	111	31818.158	0.108	18.200386	ug/L
Cd	114	74753.680	0.256	18.521337	ug/L
In	115	237821.504	237821.504		ug/L
Sb	121	106736.772	0.446	17.861869	ug/L
Sb	123	81904.603	0.345	18.154846	ug/L
Tl	203	134336.847	0.410	18.601082	ug/L
Tl	205	319334.256	0.974	18.638153	ug/L
Pb	208	427301.724	1.302	18.414104	ug/L
Bi	209	327848.328	327848.328		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346812.562	346812.562		ug/L
Be	9	3889.087	0.011	17.994018	ug/L
V	51	145201.184	0.583	18.788208	ug/L
Cu	63	76791.340	0.315	19.701022	ug/L
Cu	65	35702.380	0.148	19.136310	ug/L
Zn	66	21058.200	0.086	20.828403	ug/L
Zn	68	15457.983	0.062	20.568842	ug/L
Ge	72	244678.216	244678.216		ug/L
As	75	23588.238	0.096	18.341536	ug/L
Se	77	1868.269	0.007	18.216457	ug/L
Se	82	2297.056	0.010	17.481930	ug/L
Rh	103	300003.502	300003.502		ug/L
Ag	107	139300.586	0.464	18.447182	ug/L
Cd	111	31581.113	0.105	17.670472	ug/L
Cd	114	74512.782	0.248	17.955347	ug/L
In	115	239998.727	239998.727		ug/L
Sb	121	108560.637	0.452	18.260829	ug/L
Sb	123	83248.817	0.347	18.280082	ug/L
Tl	203	132840.182	0.406	18.371986	ug/L
Tl	205	314508.889	0.958	18.341188	ug/L
Pb	208	430877.979	1.311	18.546868	ug/L
Bi	209	328232.378	328232.378		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346786.119	346786.119		ug/L
Be	9	3830.086	0.011	17.655699	ug/L
V	51	146162.610	0.589	19.086188	ug/L
Cu	63	75974.889	0.313	19.663910	ug/L
Cu	65	35858.128	0.148	19.389381	ug/L
Zn	66	21053.191	0.086	20.809004	ug/L
Zn	68	15484.843	0.063	20.601178	ug/L
Ge	72	242432.880	242432.880		ug/L
As	75	24000.569	0.099	18.828343	ug/L
Se	77	1798.244	0.007	17.480238	ug/L
Se	82	2328.157	0.010	17.885557	ug/L
Rh	103	294828.564	294828.564		ug/L
Ag	107	136883.504	0.464	18.445208	ug/L
Cd	111	30490.705	0.103	17.370744	ug/L
Cd	114	73986.281	0.251	18.143675	ug/L
In	115	235146.280	235146.280		ug/L
Sb	121	109475.651	0.466	18.795022	ug/L
Sb	123	83208.278	0.354	18.646029	ug/L
Tl	203	135218.216	0.411	18.643844	ug/L
Tl	205	324323.734	0.986	18.850349	ug/L
Pb	208	433861.831	1.316	18.609388	ug/L
Bi	209	329241.265	329241.265		ug/L

Sample ID: 1001400-BS2
Report Date/Time: Monday, February 22, 2010 23:40:53

Sample Information

Sample ID: 1002144-20
Autosampler Position: 101
Sample Date/Time: Monday, February 22, 2010 23:47:36
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-20.119
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	339168.799	339168.799				ug/L
⌊	Be	9	2.000	0.000	0.002079	0.005	228.634	ug/L
⌈	V	51	17484.787	0.061	1.961143	0.035	1.779	ug/L
|	Cu	63	7940.825	0.032	1.993313	0.020	1.025	ug/L
|	Cu	65	3760.361	0.015	1.968206	0.056	2.860	ug/L
|	Zn	66	1120.766	0.004	0.981988	0.017	1.682	ug/L
|	Zn	68	1174.775	0.004	1.239316	0.027	2.184	ug/L
|>	Ge	72	245441.486	245441.486				ug/L
|	As	75	4471.301	0.018	3.435403	0.042	1.231	ug/L
|	Se	77	139.669	0.000	0.138888	0.102	73.142	ug/L
⌊	Se	82	-43.870	0.000	0.114234	0.096	83.667	ug/L
⌈>	Rh	103	300219.320	300219.320				ug/L
|	Ag	107	90.668	0.000	0.009957	0.001	8.748	ug/L
|	Cd	111	8.960	0.000	0.004595	0.003	63.084	ug/L
⌊	Cd	114	8.762	0.000	0.000022	0.001	3681.288	ug/L
⌈>	In	115	241823.424	241823.424				ug/L
|	Sb	121	6717.558	0.028	1.111595	0.021	1.886	ug/L
⌊	Sb	123	5112.252	0.021	1.105551	0.036	3.297	ug/L
⌈	Tl	203	40.001	0.000	0.000132	0.000	156.466	ug/L
|	Tl	205	72.001	-0.000	-0.000789	0.001	95.556	ug/L
|	Pb	208	6147.096	0.017	0.241369	0.010	4.152	ug/L
⌊>	Bi	209	328899.483	328899.483				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.682
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.602
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.562
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.312

99699

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.240

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	339980 303	339980 303		ug/L
Be	9	2 000	0 000	0 002046	ug/L
V	51	17635 436	0 052	1 990496	ug/L
Cu	63	7817 354	0 031	1 970125	ug/L
Cu	65	3632 980	0 015	1 908227	ug/L
Zn	66	1108 087	0 004	0 972126	ug/L
Zn	68	1191.111	0 004	1 268022	ug/L
Ge	72	244417 868	244417 868		ug/L
As	75	4397.948	0 018	3.392801	ug/L
Se	77	148 003	0 000	0 231193	ug/L
Se	82	-39 506	0 000	0.145032	ug/L
Rh	103	300611.194	300611.194		ug/L
Ag	107	93 002	0 000	0 010256	ug/L
Cd	111	2 983	0 000	0 001248	ug/L
Cd	114	8 627	0 000	-0 000493	ug/L
In	115	239882 751	239882 751		ug/L
Sb	121	6788 290	0 028	1 132108	ug/L
Sb	123	5247 224	0 022	1.144008	ug/L
Tl	203	42 001	0 000	0 000298	ug/L
Tl	205	60 001	0 000	-0 001563	ug/L
Pb	208	5989 048	0 016	0 229813	ug/L
Bi	209	335494 446	335494 446		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	339963 051	339963 051		ug/L
Be	9	1 000	0 000	-0 002656	ug/L
V	51	17538 843	0 051	1 970349	ug/L
Cu	63	7963 516	0 032	2 001139	ug/L
Cu	65	3863 077	0 015	2 019903	ug/L
Zn	66	1139 102	0 004	1 001056	ug/L
Zn	68	1156.105	0 004	1 214258	ug/L
Ge	72	245208 214	245208 214		ug/L
As	75	4520 943	0 018	3 477357	ug/L
Se	77	129 002	0 000	0 030050	ug/L
Se	82	33 474	0 000	0 190813	ug/L
Rh	103	300804 149	300804.149		ug/L
Ag	107	98 002	0 000	0 010840	ug/L
Cd	111	11 918	0 000	0 006238	ug/L
Cd	114	12 616	0 000	0 000948	ug/L
In	115	241018 994	241018 994		ug/L
Sb	121	6701 208	0 028	1.112472	ug/L
Sb	123	5078 098	0 021	1.101144	ug/L
Tl	203	38 000	-0 000	0 000100	ug/L
Tl	205	84 001	-0 000	0 000058	ug/L
Pb	208	6221 130	0 017	0 246626	ug/L
Bi	209	326231 762	326231 762		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	337573 044	337573 044		ug/L
Be	9	3 000	0 000	0 008880	ug/L
V	51	17279 883	0 050	1.922583	ug/L
Cu	63	8041 606	0 032	2 008674	ug/L
Cu	65	3795 048	0 015	1 976488	ug/L
Zn	66	1117 098	0 004	0 972782	ug/L
Zn	68	1178 108	0 004	1 235688	ug/L
Ge	72	246700 379	246700 379		ug/L
As	75	4495 012	0 018	3 436080	ug/L
Se	77	142 000	0 000	0 155420	ug/L
Se	82	58 631	0 000	0 007056	ug/L
Rh	103	299342 617	299342 617		ug/L
Ag	107	83 001	0 000	0 008976	ug/L
Cd	111	11.978	0 000	0 006302	ug/L
Cd	114	7 044	-0 000	0 000388	ug/L
In	115	244570 528	244570 528		ug/L
Sb	121	6665 175	0 027	1 090203	ug/L
Sb	123	5013 432	0 020	1 071498	ug/L
Tl	203	40 001	0 000	0 000200	ug/L
Tl	205	72 001	0 000	0 000748	ug/L
Pb	208	6221 108	0 018	0 247868	ug/L
Bi	209	324972 240	324972 240		ug/L

99691

Sample Information

Sample ID: 1001400-MS2
Autosampler Position: 102
Sample Date/Time: Monday, February 22, 2010 23:50:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001400-MS2.120
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	346183.490	346183.490				ug/L
⌊	Be	9	3898.102	0.011	18.004071	0.431	2.395	ug/L
⌈	V	51	162847.006	0.654	21.062679	0.198	0.939	ug/L
|	Cu	63	82864.407	0.337	21.214435	0.410	1.932	ug/L
|	Cu	65	39069.619	0.159	20.897119	0.267	1.279	ug/L
|	Zn	66	18644.822	0.076	18.211032	0.297	1.633	ug/L
⌊	Zn	68	13687.907	0.055	18.127205	0.018	0.100	ug/L
|>	Ge	72	245163.876	245163.876				ug/L
⌈	As	75	28002.585	0.114	21.731127	0.306	1.406	ug/L
⌊	Se	77	1788.242	0.007	17.167375	0.352	2.053	ug/L
⌊	Se	82	2290.953	0.010	17.397791	0.432	2.481	ug/L
⌈>	Rh	103	295630.346	295630.346				ug/L
|	Ag	107	139570.161	0.472	18.755691	0.158	0.840	ug/L
|	Cd	111	31645.838	0.107	17.982509	0.247	1.372	ug/L
⌊	Cd	114	73472.607	0.249	17.972603	0.575	3.202	ug/L
⌈>	In	115	240008.920	240008.920				ug/L
⌈	Sb	121	116231.603	0.484	19.552378	0.275	1.407	ug/L
⌊	Sb	123	89964.500	0.375	19.758031	0.501	2.537	ug/L
⌈	Tl	203	134944.237	0.413	18.748367	0.127	0.678	ug/L
|	Tl	205	322965.092	0.988	18.919323	0.515	2.724	ug/L
|	Pb	208	437767.427	1.338	18.930971	0.229	1.211	ug/L
⌊>	Bi	209	326767.868	326767.868				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.620
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
⌊	Zn	67.925	
|>	Ge	71.922	98.491
⌈	As	74.922	
⌊	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.024
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.566

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.597

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	344196.228	344196.228		ug/L
Be	9	3864.084	0.011	17.946638	ug/L
V	51	184941.104	0.654	21.071580	ug/L
Cu	63	82037.233	0.330	20.741569	ug/L
Cu	65	39288.134	0.158	20.753381	ug/L
Zn	66	18564.275	0.074	17.906877	ug/L
Zn	68	13842.536	0.056	18.106984	ug/L
Ge	72	248204.166	248204.166		ug/L
As	75	27871.114	0.113	21.437840	ug/L
Se	77	1834.254	0.007	17.410874	ug/L
Se	82	2260.863	0.009	18.998324	ug/L
Rh	103	290102.784	290102.784		ug/L
Ag	107	136513.520	0.471	18.698103	ug/L
Cd	111	31526.631	0.109	18.253586	ug/L
Cd	114	74686.682	0.257	18.606568	ug/L
In	115	242254.986	242254.986		ug/L
Sb	121	115433.410	0.478	19.238579	ug/L
Sb	123	88316.386	0.364	19.212787	ug/L
Tl	203	136405.484	0.411	18.652614	ug/L
Tl	205	318286.977	0.959	18.347082	ug/L
Pb	208	439319.251	1.322	18.697148	ug/L
Bi	209	331972.447	331972.447		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	342927.314	342927.314		ug/L
Be	9	3980.137	0.012	18.461025	ug/L
V	51	181329.711	0.648	20.660687	ug/L
Cu	63	83737.814	0.341	21.433538	ug/L
Cu	65	39769.316	0.158	20.732449	ug/L
Zn	66	18985.543	0.076	18.227316	ug/L
Zn	68	13700.263	0.056	18.142141	ug/L
Ge	72	245186.521	245186.521		ug/L
As	75	27978.364	0.114	21.707844	ug/L
Se	77	1749.232	0.007	16.763190	ug/L
Se	82	2350.015	0.010	17.831586	ug/L
Rh	103	296598.412	296598.412		ug/L
Ag	107	142311.097	0.477	18.934561	ug/L
Cd	111	31662.004	0.107	17.922684	ug/L
Cd	114	72213.820	0.242	17.483186	ug/L
In	115	240508.302	240508.302		ug/L
Sb	121	117586.318	0.489	19.739956	ug/L
Sb	123	90643.033	0.377	19.862440	ug/L
Tl	203	135381.901	0.412	18.699791	ug/L
Tl	205	327356.657	0.998	19.063886	ug/L
Pb	208	440604.982	1.339	18.940318	ug/L
Bi	209	328801.798	328801.798		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	351426.930	351426.930		ug/L
Be	9	3870.087	0.011	17.804549	ug/L
V	51	182270.202	0.660	21.256780	ug/L
Cu	63	82818.178	0.341	21.468208	ug/L
Cu	65	39153.408	0.161	21.205847	ug/L
Zn	66	18704.848	0.077	18.499803	ug/L
Zn	68	13520.920	0.055	18.132518	ug/L
Ge	72	242101.941	242101.941		ug/L
As	75	29058.286	0.118	22.047698	ug/L
Se	77	1781.240	0.007	17.328080	ug/L
Se	82	2261.983	0.010	17.393366	ug/L
Rh	103	298188.881	298189.881		ug/L
Ag	107	139885.867	0.468	18.637381	ug/L
Cd	111	31548.878	0.106	17.771057	ug/L
Cd	114	73537.340	0.247	17.826058	ug/L
In	115	237263.472	237263.472		ug/L
Sb	121	115663.083	0.487	19.680600	ug/L
Sb	123	90934.079	0.383	20.196887	ug/L
Tl	203	133065.327	0.416	18.692986	ug/L
Tl	205	323249.642	1.011	19.346980	ug/L
Pb	208	433478.066	1.354	19.155550	ug/L
Bi	209	319729.357	319729.357		ug/L

99693

Sample Information

Sample ID: 1001400-MSD2
Autosampler Position: 103
Sample Date/Time: Monday, February 22, 2010 23:54:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001400-MSD2.121
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	344619.110	344619.110				ug/L
⌊	Be	9	3993.157	0.012	18.526268	0.729	3.935	ug/L
⌈	V	51	163903.694	0.661	21.288585	0.305	1.434	ug/L
⌈	Cu	63	83362.466	0.341	21.425961	0.087	0.406	ug/L
⌊	Cu	65	40274.635	0.165	21.629577	0.334	1.546	ug/L
⌈	Zn	66	19226.370	0.078	18.857447	0.310	1.644	ug/L
⌊	Zn	68	14093.367	0.057	18.750676	0.279	1.490	ug/L
⌈>	Ge	72	244173.077	244173.077				ug/L
⌈	As	75	27763.682	0.114	21.631278	0.301	1.393	ug/L
⌊	Se	77	1858.260	0.007	17.968436	0.195	1.087	ug/L
⌊	Se	82	2362.579	0.010	17.996523	0.573	3.184	ug/L
⌈>	Rh	103	293733.783	293733.783				ug/L
⌈	Ag	107	137224.857	0.467	18.560056	0.286	1.540	ug/L
⌊	Cd	111	31660.294	0.108	18.104678	0.243	1.340	ug/L
⌊	Cd	114	74964.111	0.255	18.449715	0.132	0.716	ug/L
⌈>	In	115	238661.844	238661.844				ug/L
⌈	Sb	121	117706.847	0.493	19.913617	0.417	2.096	ug/L
⌊	Sb	123	89989.892	0.377	19.873073	0.200	1.007	ug/L
⌈	Tl	203	135802.849	0.420	19.061682	0.036	0.191	ug/L
⌈	Tl	205	320959.785	0.992	18.990781	0.110	0.577	ug/L
⌊	Pb	208	440093.820	1.359	19.227312	0.284	1.478	ug/L
⌊>	Bi	209	323415.727	323415.727				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.188
⌊	Be	9.012	
⌈	V	50.944	
⌈	Cu	62.930	
⌊	Cu	64.928	
⌈	Zn	65.926	
⌊	Zn	67.925	
⌈>	Ge	71.922	98.093
⌈	As	74.922	
⌊	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.389
⌈	Ag	106.905	
⌊	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.013

00604

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	97.585

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	346219.600	346219.600		ug/L
Be	9	3978.147	0.011	18.388587	ug/L
V	51	161612.158	0.650	20.937736	ug/L
Cu	63	83183.388	0.338	21.331487	ug/L
Cu	65	39986.059	0.163	21.429874	ug/L
Zn	66	19388.472	0.079	18.973710	ug/L
Zn	68	14254.361	0.057	18.925882	ug/L
Ge	72	244725.125	244725.125		ug/L
As	75	27686.215	0.113	21.506711	ug/L
Se	77	1854.259	0.007	17.883898	ug/L
Se	82	2315.667	0.010	17.811193	ug/L
Rh	103	293124.480	293124.480		ug/L
Ag	107	137408.484	0.469	18.923806	ug/L
Cd	111	32082.031	0.109	18.383675	ug/L
Cd	114	75085.494	0.256	18.613099	ug/L
In	115	240382.171	240382.171		ug/L
Sb	121	118123.467	0.483	19.502488	ug/L
Sb	123	89736.818	0.373	19.674082	ug/L
Tl	203	136528.809	0.419	19.041778	ug/L
Tl	205	323107.417	0.992	18.996492	ug/L
Pb	208	435487.706	1.336	18.903821	ug/L
Bi	209	325483.784	325483.784		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342152.442	342152.442		ug/L
Be	9	4136.238	0.012	19.321295	ug/L
V	51	184688.803	0.667	21.493318	ug/L
Cu	63	83043.774	0.341	21.443918	ug/L
Cu	65	40802.815	0.168	22.015561	ug/L
Zn	66	18374.434	0.075	19.062492	ug/L
Zn	68	13790.437	0.056	18.428406	ug/L
Ge	72	243035.878	243035.878		ug/L
As	75	26873.853	0.115	21.975041	ug/L
Se	77	1836.254	0.007	17.829880	ug/L
Se	82	2314.918	0.010	17.723477	ug/L
Rh	103	294384.875	294384.875		ug/L
Ag	107	139388.728	0.473	18.808567	ug/L
Cd	111	31444.444	0.107	17.942383	ug/L
Cd	114	75485.037	0.256	18.538120	ug/L
In	115	239455.562	239455.562		ug/L
Sb	121	118040.527	0.493	19.901383	ug/L
Sb	123	90284.667	0.377	19.870892	ug/L
Tl	203	135833.737	0.421	19.103784	ug/L
Tl	205	322120.288	0.998	19.067381	ug/L
Pb	208	444016.415	1.374	19.436386	ug/L
Bi	209	322775.920	322775.920		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
U	6	345485.288	345485.288		ug/L
Be	9	3866.086	0.011	17.868912	ug/L
V	51	185410.322	0.665	21.434703	ug/L
Cu	63	83860.239	0.342	21.502478	ug/L
Cu	65	40026.233	0.163	21.443508	ug/L
Zn	66	16918.203	0.077	18.508140	ug/L
Zn	68	14235.313	0.057	18.897642	ug/L
Ge	72	244758.231	244758.231		ug/L
As	75	27550.977	0.112	21.413082	ug/L
Se	77	1864.267	0.007	18.191753	ug/L
Se	82	2456.950	0.010	18.654698	ug/L
Rh	103	293711.992	293711.992		ug/L
Ag	107	134905.381	0.459	18.247808	ug/L
Cd	111	31454.408	0.107	17.957977	ug/L
Cd	114	74341.809	0.253	18.297928	ug/L
In	115	236147.799	236147.799		ug/L
Sb	121	118986.648	0.503	20.338979	ug/L
Sb	123	89948.200	0.381	20.074234	ug/L
Tl	203	135048.002	0.419	19.039488	ug/L
Tl	205	317651.849	0.986	18.878488	ug/L
Pb	208	440777.339	1.367	19.341730	ug/L
Bi	209	321887.497	321887.497		ug/L

99695

Sample Information

Sample ID: 0B22027-SRD6
Autosampler Position: 104
Sample Date/Time: Tuesday, February 23, 2010 00:02:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-SRD6.122
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	340756.696	340756.696				ug/L
	Be	9	1.667	0.000	0.000454	0.010	2149.509	ug/L
	V	51	5330.249	0.011	0.369012	0.018	4.937	ug/L
	Cu	63	1800.245	0.007	0.422147	0.005	1.195	ug/L
	Cu	65	821.722	0.003	0.396918	0.016	4.030	ug/L
	Zn	66	364.013	0.001	0.240509	0.006	2.509	ug/L
	Zn	68	458.019	0.001	0.276131	0.051	18.496	ug/L
>	Ge	72	244427.597	244427.597				ug/L
	As	75	874.876	0.003	0.646037	0.044	6.852	ug/L
	Se	77	133.669	0.000	0.083726	0.141	168.262	ug/L
	Se	82	-37.385	0.000	0.161335	0.055	33.801	ug/L
>	Rh	103	299315.126	299315.126				ug/L
	Ag	107	89.001	0.000	0.009775	0.000	3.219	ug/L
	Cd	111	3.242	0.000	0.001386	0.002	119.361	ug/L
	Cd	114	5.288	-0.000	-0.000815	0.001	83.057	ug/L
>	In	115	239707.708	239707.708				ug/L
	Sb	121	1574.523	0.006	0.254763	0.008	3.092	ug/L
	Sb	123	1149.559	0.005	0.243561	0.006	2.353	ug/L
	Tl	203	26.000	-0.000	-0.001766	0.000	22.633	ug/L
	Tl	205	71.334	-0.000	-0.000793	0.000	54.737	ug/L
	Pb	208	1583.751	0.003	0.045649	0.001	1.210	ug/L
>	Bi	209	325708.123	325708.123				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	94.121
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.195
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.259
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.443

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	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.277

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	340860.800	340860.800		ug/L
Be	9	1.000	-0.000	-0.002666	ug/L
V	51	5308.414	0.012	0.375175	ug/L
Cu	63	1781.240	0.007	0.423333	ug/L
Cu	65	841.058	0.003	0.413230	ug/L
Zn	66	361.013	0.001	0.242186	ug/L
Zn	68	496.022	0.001	0.334616	ug/L
Ge	72	241246.716	241246.716		ug/L
As	75	898.485	0.004	0.872240	ug/L
Se	77	131.003	0.000	0.072908	ug/L
Se	82	-34.341	0.000	0.180027	ug/L
Rh	103	297398.798	297398.798		ug/L
Ag	107	87.001	0.000	0.009583	ug/L
Cd	111	1.354	0.000	0.000346	ug/L
Cd	114	2.372	0.000	-0.001511	ug/L
In	115	239804.024	239804.024		ug/L
Sb	121	1600.198	0.008	0.258834	ug/L
Sb	123	1145.800	0.005	0.242542	ug/L
Tl	203	29.000	-0.000	-0.001371	ug/L
Tl	205	64.001	-0.000	-0.001248	ug/L
Pb	208	1598.086	0.003	0.045888	ug/L
Bi	209	327725.894	327725.894		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	340508.650	340508.650		ug/L
Be	9	0.000	-0.000	-0.007362	ug/L
V	51	5408.711	0.012	0.383347	ug/L
Cu	63	1768.237	0.007	0.418813	ug/L
Cu	65	788.051	0.003	0.381257	ug/L
Zn	66	367.013	0.001	0.245530	ug/L
Zn	68	438.018	0.001	0.253461	ug/L
Ge	72	243002.778	243002.778		ug/L
As	75	804.417	0.003	0.584829	ug/L
Se	77	147.003	0.000	0.229701	ug/L
Se	82	31.372	0.000	0.204084	ug/L
Rh	103	296882.027	296882.027		ug/L
Ag	107	91.001	0.000	0.010138	ug/L
Cd	111	1.658	0.000	0.000619	ug/L
Cd	114	5.381	-0.000	0.000775	ug/L
In	115	238736.688	238736.688		ug/L
Sb	121	1584.191	0.008	0.259688	ug/L
Sb	123	1163.225	0.006	0.249732	ug/L
Tl	203	23.000	-0.000	-0.002170	ug/L
Tl	205	78.001	0.000	-0.000394	ug/L
Pb	208	1563.082	0.003	0.045017	ug/L
Bi	209	324441.925	324441.925		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	341099.839	341099.839		ug/L
Be	9	4.000	0.000	0.011362	ug/L
V	51	5273.621	0.011	0.348513	ug/L
Cu	63	1851.258	0.007	0.426486	ug/L
Cu	65	836.067	0.003	0.396288	ug/L
Zn	66	364.013	0.001	0.233813	ug/L
Zn	68	440.018	0.001	0.240318	ug/L
Ge	72	249033.297	249033.297		ug/L
As	75	923.725	0.004	0.670842	ug/L
Se	77	123.002	0.000	0.051432	ug/L
Se	82	-46.443	0.000	0.099814	ug/L
Rh	103	303866.566	303866.566		ug/L
Ag	107	89.001	0.000	0.009808	ug/L
Cd	111	6.714	0.000	0.003294	ug/L
Cd	114	9.100	0.000	0.000158	ug/L
In	115	242582.412	242582.412		ug/L
Sb	121	1539.181	0.008	0.245678	ug/L
Sb	123	1139.851	0.006	0.238409	ug/L
Tl	203	26.000	0.000	-0.001756	ug/L
Tl	205	72.001	-0.000	-0.000745	ug/L
Pb	208	1589.084	0.003	0.046041	ug/L
Bi	209	324956.550	324956.550		ug/L

99697

Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Tuesday, February 23, 2010 00:05:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.123
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	344449.449	344449.449				ug/L
	Be	9	8033.929	0.023	37.294063	0.160	0.430	ug/L
	V	51	284747.894	1.171	37.720484	0.226	0.599	ug/L
	Cu	63	149591.021	0.620	38.985837	0.516	1.323	ug/L
	Cu	65	72190.725	0.299	39.315714	0.848	2.157	ug/L
	Zn	66	38764.960	0.160	38.641637	0.428	1.108	ug/L
	Zn	68	28183.453	0.116	38.347073	1.085	2.829	ug/L
>	Ge	72	241031.516	241031.516				ug/L
	As	75	49699.173	0.206	39.254633	0.099	0.253	ug/L
	Se	77	3772.033	0.015	38.327442	0.450	1.173	ug/L
	Se	82	4958.091	0.021	37.769688	0.452	1.196	ug/L
>	Rh	103	293203.801	293203.801				ug/L
	Ag	107	283443.190	0.967	38.409555	0.303	0.789	ug/L
	Cd	111	65094.300	0.222	37.293135	0.549	1.473	ug/L
	Cd	114	152786.810	0.521	37.673446	0.288	0.764	ug/L
>	In	115	234762.515	234762.515				ug/L
	Sb	121	215655.405	0.918	37.094899	0.985	2.655	ug/L
	Sb	123	163847.988	0.698	36.790619	1.070	2.909	ug/L
	Tl	203	270854.595	0.840	38.158446	0.366	0.958	ug/L
	Tl	205	643531.194	1.997	38.219079	0.076	0.200	ug/L
	Pb	208	867639.952	2.691	38.063279	0.091	0.240	ug/L
>	Bi	209	322260.374	322260.374				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.141
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	96.831
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	98.212
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	96.412

29698

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
	Bi	208.980

97.237

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	346217.501	346217.501		ug/L
Be	9	8069.639	0.023	37.298336	ug/L
V	51	266006.366	1.165	37.518803	ug/L
Cu	63	148881.270	0.611	38.428764	ug/L
Cu	65	71266.688	0.293	38.443083	ug/L
Zn	66	38866.781	0.158	38.168235	ug/L
Zn	68	27639.849	0.113	37.228298	ug/L
Ge	72	243377.211	243377.211		ug/L
As	75	50037.211	0.205	39.140086	ug/L
Se	77	3760.027	0.015	37.818340	ug/L
Se	82	4938.457	0.021	37.261298	ug/L
Rh	103	295011.806	295011.806		ug/L
Ag	107	283567.581	0.961	38.188274	ug/L
Cd	111	64618.682	0.219	38.791360	ug/L
Cd	114	154245.743	0.523	37.799806	ug/L
In	115	234563.488	234563.488		ug/L
Sb	121	208817.272	0.890	35.987723	ug/L
Sb	123	158385.941	0.675	35.587588	ug/L
Tl	203	275872.673	0.848	38.491878	ug/L
Tl	205	647838.327	1.992	38.131198	ug/L
Pb	208	873823.562	2.686	37.979142	ug/L
Bi	209	325161.573	325161.573		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	343934.038	343934.038		ug/L
Be	9	7990.547	0.023	37.148087	ug/L
V	51	264154.140	1.170	37.678090	ug/L
Cu	63	149856.124	0.622	38.690088	ug/L
Cu	65	72222.003	0.300	39.387244	ug/L
Zn	66	38841.708	0.161	38.754921	ug/L
Zn	68	28211.885	0.116	38.418480	ug/L
Ge	72	240788.636	240788.636		ug/L
As	75	49726.370	0.206	39.315238	ug/L
Se	77	3801.049	0.015	38.870288	ug/L
Se	82	5000.510	0.021	38.124820	ug/L
Rh	103	291183.441	291183.441		ug/L
Ag	107	284031.883	0.975	38.755113	ug/L
Cd	111	65666.931	0.226	37.879803	ug/L
Cd	114	152552.872	0.524	37.876431	ug/L
In	115	235804.782	235804.782		ug/L
Sb	121	219137.872	0.929	37.527588	ug/L
Sb	123	165987.738	0.704	37.108446	ug/L
Tl	203	267556.688	0.832	37.787468	ug/L
Tl	205	643137.640	1.998	38.268456	ug/L
Pb	208	868193.808	2.698	38.160274	ug/L
Bi	209	321844.560	321844.560		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	343196.809	343196.809		ug/L
Be	9	8041.606	0.023	37.466798	ug/L
V	51	264084.178	1.178	37.964560	ug/L
Cu	63	150028.670	0.627	39.440758	ug/L
Cu	65	73063.506	0.306	40.136836	ug/L
Zn	66	38786.409	0.162	39.001756	ug/L
Zn	68	28898.824	0.119	39.394463	ug/L
Ge	72	238928.699	238928.699		ug/L
As	75	49333.938	0.206	39.308598	ug/L
Se	77	3755.024	0.015	38.493689	ug/L
Se	82	4935.306	0.021	37.922947	ug/L
Rh	103	293416.087	293416.087		ug/L
Ag	107	282740.108	0.964	38.265277	ug/L
Cd	111	64997.278	0.222	37.208213	ug/L
Cd	114	151562.014	0.517	37.344100	ug/L
In	115	233929.276	233929.276		ug/L
Sb	121	218811.072	0.936	37.780388	ug/L
Sb	123	167150.287	0.714	37.685814	ug/L
Tl	203	266331.443	0.842	38.215993	ug/L
Tl	205	639617.614	1.999	38.267588	ug/L
Pb	208	861202.487	2.690	38.050421	ug/L
Bi	209	319975.001	319975.001		ug/L

99699

Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Tuesday, February 23, 2010 00:14:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.124
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	337868.537	337868.537				ug/L
⌊	Be	9	2.333	0.000	0.003626	0.005	147.282	ug/L
⌈	V	51	2169.042	-0.001	-0.044790	0.004	8.666	ug/L
|	Cu	63	191.004	0.000	0.008764	0.005	56.336	ug/L
|	Cu	65	95.335	0.000	0.006925	0.002	29.226	ug/L
|	Zn	66	139.669	0.000	0.020712	0.004	17.343	ug/L
|	Zn	68	275.008	0.000	0.032034	0.024	75.819	ug/L
|>	Ge	72	241940.108	241940.108				ug/L
|	As	75	-33.015	-0.000	-0.061719	0.018	29.027	ug/L
|	Se	77	132.003	0.000	0.078974	0.129	163.600	ug/L
⌊	Se	82	-56.180	0.000	0.018022	0.129	717.964	ug/L
⌈>	Rh	103	295974.974	295974.974				ug/L
|	Ag	107	80.335	0.000	0.008751	0.002	22.889	ug/L
|	Cd	111	1.815	0.000	0.000604	0.002	302.535	ug/L
⌊	Cd	114	11.658	0.000	0.000761	0.000	15.986	ug/L
⌈>	In	115	238109.782	238109.782				ug/L
|	Sb	121	543.026	0.002	0.081482	0.006	7.000	ug/L
⌊	Sb	123	409.846	0.002	0.081376	0.010	12.328	ug/L
⌈	Tl	203	35.667	-0.000	-0.000474	0.001	253.410	ug/L
|	Tl	205	79.668	-0.000	-0.000367	0.001	195.876	ug/L
|	Pb	208	1569.415	0.003	0.044157	0.003	6.205	ug/L
⌊>	Bi	209	329884.923	329884.923				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.323
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.196
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.140
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.787

00619

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	99.537

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	331661.017	331661.017		ug/L
Be	9	1.000	-0.000	-0.002540	ug/L
V	51	2177.668	-0.001	-0.048288	ug/L
Cu	63	172.004	0.000	0.003088	ug/L
Cu	65	93.002	0.000	0.004836	ug/L
Zn	66	138.003	0.000	0.016836	ug/L
Zn	68	260.007	0.000	0.005842	ug/L
Ge	72	245881.864	245881.864		ug/L
As	75	-54.023	-0.000	-0.076276	ug/L
Se	77	136.003	0.000	0.119251	ug/L
Se	82	-73.491	0.000	-0.104113	ug/L
Rh	103	295872.412	295872.412		ug/L
Ag	107	73.001	0.000	0.007750	ug/L
Cd	111	2.268	0.000	0.000879	ug/L
Cd	114	12.043	0.000	0.000854	ug/L
In	115	240868.224	240868.224		ug/L
Sb	121	586.030	0.002	0.087660	ug/L
Sb	123	463.816	0.002	0.092120	ug/L
Tl	203	39.000	-0.000	-0.000028	ug/L
Tl	205	89.001	0.000	0.000171	ug/L
Pb	208	1515.076	0.003	0.041743	ug/L
Bi	209	330348.549	330348.549		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339884.157	339884.157		ug/L
Be	9	3.000	0.000	0.008782	ug/L
V	51	2143.079	-0.001	0.045479	ug/L
Cu	63	201.006	0.000	0.011828	ug/L
Cu	65	98.002	0.000	0.008876	ug/L
Zn	66	139.003	0.000	0.021374	ug/L
Zn	68	288.009	0.000	0.053447	ug/L
Ge	72	239593.425	239593.425		ug/L
As	75	-33.421	-0.000	-0.052429	ug/L
Se	77	117.002	0.000	0.055569	ug/L
Se	82	-37.581	0.000	0.153622	ug/L
Rh	103	294287.894	294287.894		ug/L
Ag	107	97.002	0.000	0.011066	ug/L
Cd	111	-1.622	-0.000	-0.001345	ug/L
Cd	114	11.770	0.000	0.000804	ug/L
In	115	239494.073	239494.073		ug/L
Sb	121	518.024	0.002	0.078418	ug/L
Sb	123	370.838	0.001	0.072252	ug/L
Tl	203	26.000	-0.000	-0.001536	ug/L
Tl	205	65.001	-0.000	0.000088	ug/L
Pb	208	1680.090	0.003	0.047136	ug/L
Bi	209	332178.714	332178.714		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	342280.437	342280.437		ug/L
Be	9	3.000	0.000	0.008866	ug/L
V	51	2186.381	-0.001	0.040811	ug/L
Cu	63	200.005	0.000	0.011396	ug/L
Cu	65	95.002	0.000	0.007082	ug/L
Zn	66	142.003	0.000	0.023928	ug/L
Zn	68	277.008	0.000	0.037013	ug/L
Ge	72	240375.046	240375.046		ug/L
As	75	9.802	-0.000	-0.043460	ug/L
Se	77	141.003	0.000	0.183239	ug/L
Se	82	57.458	0.000	0.004556	ug/L
Rh	103	297684.618	297684.618		ug/L
Ag	107	71.001	0.000	0.007437	ug/L
Cd	111	4.779	0.000	0.002277	ug/L
Cd	114	11.160	0.000	0.000823	ug/L
In	115	232959.060	232959.060		ug/L
Sb	121	527.025	0.002	0.080371	ug/L
Sb	123	396.388	0.002	0.078757	ug/L
Tl	203	42.001	0.000	0.000441	ug/L
Tl	205	65.001	0.000	-0.001183	ug/L
Pb	208	1543.079	0.003	0.043582	ug/L
Bi	209	327130.506	327130.506		ug/L

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Sample Information

Sample ID: 1001400-PS2
Autosampler Position: 105
Sample Date/Time: Tuesday, February 23, 2010 00:17:35
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1001400-PS2.125
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	341791.999	341791.999				ug/L
⌊	Be	9	4124.899	0.012	19.292511	0.232	1.202	ug/L
⌈	V	51	167754.042	0.675	21.751750	0.669	3.077	ug/L
|	Cu	63	85691.492	0.350	21.979115	0.375	1.707	ug/L
|	Cu	65	40612.200	0.166	21.763573	0.260	1.196	ug/L
|	Zn	66	19922.616	0.081	19.500111	0.207	1.063	ug/L
|	Zn	68	14740.344	0.059	19.583358	0.202	1.033	ug/L
|>	Ge	72	244716.135	244716.135				ug/L
|	As	75	28988.820	0.118	22.537786	0.260	1.154	ug/L
|	Se	77	1869.263	0.007	18.040984	0.188	1.041	ug/L
⌊	Se	82	2402.337	0.010	18.255444	0.424	2.320	ug/L
⌈>	Rh	103	299017.806	299017.806				ug/L
|	Ag	107	142640.003	0.477	18.958705	0.557	2.940	ug/L
|	Cd	111	32575.147	0.109	18.303066	0.404	2.206	ug/L
⌊	Cd	114	76971.132	0.257	18.610720	0.231	1.243	ug/L
⌈>	In	115	241134.757	241134.757				ug/L
|	Sb	121	113688.738	0.471	19.035730	0.525	2.758	ug/L
⌊	Sb	123	85916.351	0.356	18.778377	0.247	1.317	ug/L
⌈	Tl	203	139476.998	0.426	19.331098	0.561	2.904	ug/L
|	Tl	205	333622.407	1.018	19.490974	0.538	2.762	ug/L
|	Pb	208	452129.978	1.379	19.502689	0.505	2.590	ug/L
⌊>	Bi	209	327728.712	327728.712				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.407
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.311
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.159
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	99.029

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Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	98.887

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	342699.002	342699.002		ug/L
Be	9	4126.232	0.012	19.232546	ug/L
V	51	171462.338	0.999	22.522987	ug/L
Cu	63	86117.886	0.344	22.366986	ug/L
Cu	65	40618.569	0.168	22.040980	ug/L
Zn	66	19824.118	0.081	19.450741	ug/L
Zn	68	14512.874	0.059	19.524208	ug/L
Ge	72	241861.389	241861.389		ug/L
As	75	28921.726	0.119	22.768773	ug/L
Se	77	1863.262	0.007	18.221461	ug/L
Se	82	2423.990	0.010	18.940832	ug/L
Rh	103	304707.519	304707.519		ug/L
Ag	107	141002.514	0.463	18.384293	ug/L
Cd	111	32368.208	0.106	17.840930	ug/L
Cd	114	77412.934	0.254	18.398288	ug/L
In	115	241612.976	241612.976		ug/L
Sb	121	110563.686	0.457	18.476810	ug/L
Sb	123	84958.743	0.351	18.531108	ug/L
Tl	203	139727.816	0.412	18.887012	ug/L
Tl	205	335209.523	0.988	18.908224	ug/L
Pb	208	454581.509	1.336	18.932338	ug/L
Bi	209	339250.610	339250.610		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	339226.706	339226.706		ug/L
Be	9	4052.180	0.012	19.096472	ug/L
V	51	165541.306	0.962	21.321656	ug/L
Cu	63	84812.391	0.344	21.615982	ug/L
Cu	65	40794.569	0.166	21.725219	ug/L
Zn	66	20277.945	0.082	19.727672	ug/L
Zn	68	14998.881	0.060	19.808668	ug/L
Ge	72	246228.504	246228.504		ug/L
As	75	28806.986	0.117	22.256220	ug/L
Se	77	1882.267	0.007	18.054778	ug/L
Se	82	2355.987	0.010	17.802025	ug/L
Rh	103	298856.896	298856.896		ug/L
Ag	107	142884.389	0.478	18.994566	ug/L
Cd	111	32881.338	0.110	18.480292	ug/L
Cd	114	77826.548	0.260	18.826403	ug/L
In	115	243411.315	243411.315		ug/L
Sb	121	115208.793	0.473	19.107536	ug/L
Sb	123	88731.502	0.358	18.778139	ug/L
Tl	203	138821.388	0.430	19.531241	ug/L
Tl	205	330387.421	1.024	19.594793	ug/L
Pb	208	449467.448	1.391	19.662498	ug/L
Bi	209	322657.756	322657.756		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	343250.288	343250.288		ug/L
Be	9	4197.275	0.012	19.548618	ug/L
V	51	168238.483	0.988	21.410407	ug/L
Cu	63	86144.200	0.349	21.954386	ug/L
Cu	65	40423.484	0.164	21.524560	ug/L
Zn	66	19866.786	0.080	19.321920	ug/L
Zn	68	14708.277	0.058	19.417166	ug/L
Ge	72	246258.513	246258.513		ug/L
As	75	29238.748	0.119	22.588384	ug/L
Se	77	1862.261	0.007	17.846712	ug/L
Se	82	2427.038	0.010	18.323477	ug/L
Rh	103	293489.004	293489.004		ug/L
Ag	107	144032.089	0.491	19.497254	ug/L
Cd	111	32478.884	0.111	18.567975	ug/L
Cd	114	75671.913	0.256	18.639483	ug/L
In	115	236379.980	236379.980		ug/L
Sb	121	115265.733	0.483	19.521041	ug/L
Sb	123	86058.808	0.361	19.025882	ug/L
Tl	203	139881.786	0.436	19.765042	ug/L
Tl	205	335270.278	1.043	19.999908	ug/L
Pb	208	452330.985	1.408	19.892233	ug/L
Bi	209	321277.572	321277.572		ug/L

99613

Sample Information

Sample ID: 1002144-21
Autosampler Position: 106
Sample Date/Time: Tuesday, February 23, 2010 00:26:06
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-21.126
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	338024.694	338024.694				ug/L
⌊	Be	9	1.667	0.000	0.000436	0.007	1635.845	ug/L
⌈	V	51	2034.761	-0.002	-0.065445	0.008	12.896	ug/L
|	Cu	63	4145.577	0.016	1.025677	0.008	0.810	ug/L
|	*Cu*	*65*	*1998.300*	*0.008*	*1.029663*	*0.027*	*2.633*	*ug/L*
|	Zn	66	2926.295	0.011	2.766933	0.042	1.530	ug/L
|	Zn	68	2902.953	0.011	3.586169	0.161	4.495	ug/L
|>	Ge	72	244390.742	244390.742				ug/L
|	As	75	136.574	0.000	0.070557	0.021	29.217	ug/L
|	Se	77	131.003	0.000	0.055249	0.205	370.643	ug/L
⌊	Se	82	-35.810	0.000	0.172451	0.046	26.611	ug/L
⌈>	Rh	103	299762.436	299762.436				ug/L
|	Ag	107	90.668	0.000	0.009970	0.002	16.596	ug/L
|	Cd	111	8.330	0.000	0.004265	0.003	67.601	ug/L
⌊	Cd	114	14.818	0.000	0.001489	0.002	118.905	ug/L
⌈>	In	115	239930.756	239930.756				ug/L
|	Sb	121	4549.827	0.019	0.755371	0.006	0.815	ug/L
⌊	Sb	123	3413.596	0.014	0.740820	0.027	3.655	ug/L
⌈	Tl	203	27.000	-0.000	-0.001633	0.000	14.725	ug/L
|	Tl	205	62.001	-0.000	-0.001346	0.000	22.501	ug/L
|	Pb	208	6802.652	0.019	0.271813	0.011	4.137	ug/L
⌊>	Bi	209	326498.879	326498.879				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	93.366
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	98.180
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.409
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.534

Sb	120.904	
Sb	122.904	
Tl	202.972	
Tl	204.975	
Pb	207.977	
Bi	208.980	98.516

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	331223.883	331223.883		ug/L
Be	9	0.000	-0.000	-0.007362	ug/L
V	51	2111.602	0.002	-0.067288	ug/L
Cu	63	4154.249	0.016	1.020091	ug/L
Cu	65	1955.287	0.008	0.998743	ug/L
Zn	66	2977.650	0.012	2.796281	ug/L
Zn	68	2793.574	0.010	3.409898	ug/L
Ge	72	246188.148	246188.148		ug/L
As	75	167.328	0.000	0.063663	ug/L
Se	77	137.003	0.000	0.107023	ug/L
Se	82	-34.638	0.000	0.183018	ug/L
Rh	103	298448.586	298448.586		ug/L
Ag	107	77.001	0.000	0.006280	ug/L
Cd	111	13.983	0.000	0.007504	ug/L
Cd	114	19.279	0.000	0.002614	ug/L
In	115	239724.383	239724.383		ug/L
Sb	121	4566.506	0.019	0.756833	ug/L
Sb	123	3538.408	0.015	0.766920	ug/L
Tl	203	28.000	-0.000	-0.001618	ug/L
Tl	205	58.001	-0.000	-0.001684	ug/L
Pb	208	6756.282	0.018	0.260317	ug/L
Bi	209	337181.188	337181.188		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339401.734	339401.734		ug/L
Be	9	2.000	0.000	0.002082	ug/L
V	51	2034.466	-0.002	0.084908	ug/L
Cu	63	4174.261	0.016	1.035220	ug/L
Cu	65	2015.304	0.008	1.040883	ug/L
Zn	66	2939.634	0.012	2.786105	ug/L
Zn	68	3000.660	0.011	3.726080	ug/L
Ge	72	243896.486	243896.486		ug/L
As	75	115.088	0.000	0.064048	ug/L
Se	77	109.002	-0.000	-0.170444	ug/L
Se	82	-42.480	0.000	0.122188	ug/L
Rh	103	300323.542	300323.542		ug/L
Ag	107	103.002	0.000	0.011588	ug/L
Cd	111	4.288	0.000	0.001978	ug/L
Cd	114	6.379	-0.000	-0.000652	ug/L
In	115	239814.332	239814.332		ug/L
Sb	121	4565.504	0.019	0.756018	ug/L
Sb	123	3291.288	0.014	0.714898	ug/L
Tl	203	25.000	-0.000	0.001881	ug/L
Tl	205	64.001	0.000	0.001200	ug/L
Pb	208	6758.308	0.019	0.272338	ug/L
Bi	209	323581.280	323581.280		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	343448.486	343448.486		ug/L
Be	9	3.000	0.000	0.006807	ug/L
V	51	1958.013	0.002	0.074142	ug/L
Cu	63	4108.222	0.016	1.021719	ug/L
Cu	65	2024.307	0.008	1.049362	ug/L
Zn	66	2881.602	0.011	2.718413	ug/L
Zn	68	2914.624	0.011	3.622529	ug/L
Ge	72	243087.583	243087.583		ug/L
As	75	127.329	0.000	0.063861	ug/L
Se	77	147.003	0.000	0.229167	ug/L
Se	82	30.301	0.000	0.212137	ug/L
Rh	103	302515.201	302515.201		ug/L
Ag	107	92.002	0.000	0.010043	ug/L
Cd	111	8.719	0.000	0.003311	ug/L
Cd	114	18.796	0.000	0.002406	ug/L
In	115	240453.564	240453.564		ug/L
Sb	121	4517.473	0.019	0.748263	ug/L
Sb	123	3411.093	0.014	0.738642	ug/L
Tl	203	28.000	-0.000	-0.001400	ug/L
Tl	205	64.001	0.000	0.001143	ug/L
Pb	208	6893.367	0.020	0.282788	ug/L
Bi	209	318754.182	318754.182		ug/L

00615

Sample Information

Sample ID: 1002144-22
Autosampler Position: 107
Sample Date/Time: Tuesday, February 23, 2010 00:29:22
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-22.127
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	338139.154	338139.154				ug/L
	Be	9	1.000	-0.000	-0.002659	0.005	177.055	ug/L
	V	51	4906.168	0.010	0.308271	0.027	8.878	ug/L
	Cu	63	3480.549	0.013	0.848165	0.019	2.206	ug/L
	Cu	65	1709.889	0.007	0.867715	0.036	4.104	ug/L
	Zn	66	2391.091	0.009	2.221896	0.060	2.694	ug/L
	Zn	68	1951.286	0.007	2.278168	0.062	2.710	ug/L
>	Ge	72	246177.304	246177.304				ug/L
	As	75	236.828	0.001	0.147523	0.016	10.742	ug/L
	Se	77	131.003	0.000	0.045437	0.090	198.804	ug/L
	Se	82	-50.862	0.000	0.063626	0.110	172.524	ug/L
>	Rh	103	296874.736	296874.736				ug/L
	Ag	107	76.001	0.000	0.008131	0.001	8.640	ug/L
	Cd	111	3.374	0.000	0.001491	0.002	161.060	ug/L
	Cd	114	16.983	0.000	0.002049	0.001	55.318	ug/L
>	In	115	241836.866	241836.866				ug/L
	Sb	121	3247.104	0.013	0.531830	0.017	3.289	ug/L
	Sb	123	2506.045	0.010	0.537087	0.018	3.282	ug/L
	Tl	203	35.667	-0.000	-0.000467	0.001	246.857	ug/L
	Tl	205	90.668	0.000	0.000297	0.000	129.310	ug/L
	Pb	208	11840.272	0.034	0.486837	0.011	2.266	ug/L
>	Bi	209	328475.711	328475.711				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	93.398
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.898
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.441
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	99.317

00616

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

99.112

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	333982.088	333982.088		ug/L
Be	9	0.000	-0.000	0.007382	ug/L
V	51	5129.608	0.010	0.336951	ug/L
Cu	63	3498.881	0.014	0.851398	ug/L
Cu	65	1783.240	0.007	0.908068	ug/L
Zn	66	2474.432	0.009	2.242842	ug/L
Zn	68	1900.272	0.007	2.207139	ug/L
Ge	72	246408.583	246408.583		ug/L
As	75	252.984	0.001	0.158788	ug/L
Se	77	141.003	0.000	0.148883	ug/L
Se	82	-35.482	0.000	0.177035	ug/L
Rh	103	296589.229	296589.229		ug/L
Ag	107	74.001	0.000	0.007873	ug/L
Cd	111	7.087	0.000	0.003563	ug/L
Cd	114	20.920	0.000	0.003012	ug/L
In	115	242564.398	242564.398		ug/L
Sb	121	3232.784	0.013	0.527744	ug/L
Sb	123	2422.067	0.010	0.517166	ug/L
Tl	203	43.001	0.000	0.000448	ug/L
Tl	205	93.002	0.000	0.000338	ug/L
Pb	208	11898.987	0.034	0.479982	ug/L
Bi	209	334498.312	334498.312		ug/L

Repeat 2

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	340775.911	340775.911		ug/L
Be	9	1.000	0.000	-0.002688	ug/L
V	51	4656.798	0.009	0.282438	ug/L
Cu	63	3515.900	0.014	0.865080	ug/L
Cu	65	1635.204	0.008	0.835673	ug/L
Zn	66	2301.394	0.008	2.154378	ug/L
Zn	68	1984.290	0.007	2.318958	ug/L
Ge	72	244015.448	244015.448		ug/L
As	75	242.083	0.001	0.153178	ug/L
Se	77	127.002	0.000	0.015798	ug/L
Se	82	51.419	0.000	0.056944	ug/L
Rh	103	296936.211	296936.211		ug/L
Ag	107	72.001	0.000	0.007584	ug/L
Cd	111	-1.257	0.000	0.001130	ug/L
Cd	114	18.168	0.000	0.002336	ug/L
In	115	243324.053	243324.053		ug/L
Sb	121	3176.738	0.013	0.516740	ug/L
Sb	123	2550.978	0.010	0.543436	ug/L
Tl	203	38.000	0.000	0.000087	ug/L
Tl	205	96.009	0.000	0.000660	ug/L
Pb	208	11597.737	0.034	0.480968	ug/L
Bi	209	325458.704	325458.704		ug/L

Repeat 3

Analyte	Mass	Mass. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339879.483	339879.483		ug/L
Be	9	2.000	0.000	0.002064	ug/L
V	51	4922.101	0.009	0.305424	ug/L
Cu	63	3428.857	0.013	0.828060	ug/L
Cu	65	1711.222	0.007	0.861412	ug/L
Zn	66	2437.447	0.008	2.268468	ug/L
Zn	68	1988.297	0.007	2.308368	ug/L
Ge	72	248108.871	248108.871		ug/L
As	75	215.458	0.001	0.129828	ug/L
Se	77	125.002	-0.000	0.026348	ug/L
Se	82	-65.686	-0.000	0.042102	ug/L
Rh	103	297098.787	297098.787		ug/L
Ag	107	62.001	0.000	0.006828	ug/L
Cd	111	4.313	0.000	0.002019	ug/L
Cd	114	11.858	0.000	0.000800	ug/L
In	115	239832.147	239832.147		ug/L
Sb	121	3331.810	0.014	0.551905	ug/L
Sb	123	2545.101	0.010	0.550859	ug/L
Tl	203	26.000	-0.000	0.001762	ug/L
Tl	205	83.001	0.000	0.000105	ug/L
Pb	208	12028.092	0.035	0.499581	ug/L
Bi	209	325469.118	325469.118		ug/L

00617

Sample Information

Sample ID: 1002144-23
Autosampler Position: 108
Sample Date/Time: Tuesday, February 23, 2010 00:32:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-23.128
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	340684.206	340684.206				ug/L
⌊	Be	9	1.333	-0.000	-0.001056	0.007	687.827	ug/L
⌈	V	51	3882.775	0.005	0.176848	0.007	3.697	ug/L
|	Cu	63	558.694	0.002	0.102452	0.002	1.988	ug/L
|	Cu	65	256.007	0.001	0.092442	0.005	5.263	ug/L
|	Zn	66	811.721	0.003	0.679798	0.038	5.609	ug/L
⌊	Zn	68	783.718	0.002	0.714195	0.054	7.571	ug/L
|>	Ge	72	245011.473	245011.473				ug/L
|	As	75	257.346	0.001	0.164174	0.037	22.499	ug/L
|	Se	77	132.336	0.000	0.065544	0.010	15.881	ug/L
⌊	Se	82	-49.425	0.000	0.071548	0.182	254.658	ug/L
⌈>	Rh	103	297744.977	297744.977				ug/L
|	Ag	107	59.001	0.000	0.005835	0.001	14.955	ug/L
|	Cd	111	4.542	0.000	0.002139	0.003	142.788	ug/L
⌊	Cd	114	13.780	0.000	0.001254	0.001	104.209	ug/L
⌈>	In	115	239313.472	239313.472				ug/L
|	Sb	121	281.342	0.001	0.036872	0.003	7.995	ug/L
⌊	Sb	123	208.502	0.001	0.036577	0.004	9.808	ug/L
⌈	Tl	203	26.334	-0.000	-0.001724	0.000	17.936	ug/L
|	Tl	205	59.001	-0.000	-0.001516	0.001	74.028	ug/L
|	Pb	208	886.364	0.001	0.015258	0.001	7.231	ug/L
⌊>	Bi	209	326721.498	326721.498				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.101
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
⌊	Zn	67.925	
|>	Ge	71.922	98.430
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.733
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	98.281

00618

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.583

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	342813.018	342813.018		ug/L
Be	9	0.000	0.000	-0.007352	ug/L
V	51	3919.081	0.008	0.178053	ug/L
Cu	63	569.028	0.002	0.104084	ug/L
Cu	65	253.007	0.001	0.088875	ug/L
Zn	66	852.081	0.003	0.723588	ug/L
Zn	68	748.048	0.002	0.664808	ug/L
Ge	72	246725.218	246725.218		ug/L
As	75	286.860	0.001	0.188487	ug/L
Se	77	134.003	0.000	0.073186	ug/L
Se	82	21.265	0.000	0.281788	ug/L
Rh	103	295871.371	295871.371		ug/L
Ag	107	66.001	0.000	0.006820	ug/L
Cd	111	4.788	0.000	0.002014	ug/L
Cd	114	8.798	0.000	0.000052	ug/L
In	115	242002.079	242002.079		ug/L
Sb	121	275.006	0.001	0.036286	ug/L
Sb	123	215.502	0.001	0.037807	ug/L
Tl	203	25.000	-0.000	0.002012	ug/L
Tl	205	53.001	0.000	-0.001988	ug/L
Pb	208	897.032	0.001	0.014431	ug/L
Bi	209	338092.611	338092.611		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	339698.208	339698.208		ug/L
Be	9	3.000	0.000	0.006887	ug/L
V	51	3921.663	0.008	0.182988	ug/L
Cu	63	549.027	0.002	0.100173	ug/L
Cu	65	250.007	0.001	0.088397	ug/L
Zn	66	784.061	0.003	0.653815	ug/L
Zn	68	817.086	0.002	0.780678	ug/L
Ge	72	244867.190	244867.190		ug/L
As	75	284.270	0.001	0.185643	ug/L
Se	77	131.003	0.000	0.053985	ug/L
Se	82	64.561	0.000	-0.040508	ug/L
Rh	103	298139.836	298139.836		ug/L
Ag	107	54.001	0.000	0.006156	ug/L
Cd	111	0.768	-0.000	-0.000881	ug/L
Cd	114	12.936	0.000	0.001049	ug/L
In	115	237019.115	237019.115		ug/L
Sb	121	268.008	0.001	0.035067	ug/L
Sb	123	188.501	0.001	0.032587	ug/L
Tl	203	26.000	-0.000	0.001783	ug/L
Tl	205	45.001	-0.000	0.002341	ug/L
Pb	208	869.030	0.001	0.014521	ug/L
Bi	209	325598.836	325598.836		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	342540.392	342540.392		ug/L
Be	9	1.000	0.000	0.002693	ug/L
V	51	3807.801	0.008	0.169782	ug/L
Cu	63	556.027	0.002	0.103080	ug/L
Cu	65	265.008	0.001	0.098052	ug/L
Zn	66	789.061	0.003	0.662010	ug/L
Zn	68	789.081	0.002	0.727202	ug/L
Ge	72	243842.018	243842.018		ug/L
As	75	201.219	0.001	0.121522	ug/L
Se	77	132.003	0.000	0.068783	ug/L
Se	82	62.428	0.000	-0.029633	ug/L
Rh	103	299123.728	299123.728		ug/L
Ag	107	57.001	0.000	0.006531	ug/L
Cd	111	10.103	0.000	0.005254	ug/L
Cd	114	19.606	0.000	0.002661	ug/L
In	115	238819.223	238819.223		ug/L
Sb	121	301.009	0.001	0.040274	ug/L
Sb	123	221.502	0.001	0.039637	ug/L
Tl	203	28.000	-0.000	-0.001397	ug/L
Tl	205	79.001	-0.000	-0.000238	ug/L
Pb	208	893.030	0.001	0.016332	ug/L
Bi	209	318473.047	318473.047		ug/L

99619

Sample Information

Sample ID: 1002144-24
Autosampler Position: 109
Sample Date/Time: Tuesday, February 23, 2010 00:35:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-24.129
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	344819.091	344819.091				ug/L
	Be	9	1.333	-0.000	-0.001186	0.003	222.661	ug/L
	V	51	4031.973	0.006	0.197497	0.006	3.271	ug/L
	Cu	63	711.043	0.002	0.141861	0.004	2.703	ug/L
	Cu	65	325.344	0.001	0.129904	0.004	3.210	ug/L
	Zn	66	832.724	0.003	0.702111	0.016	2.260	ug/L
	Zn	68	799.053	0.002	0.736638	0.039	5.272	ug/L
>	Ge	72	244564.542	244564.542				ug/L
	As	75	314.138	0.001	0.209640	0.095	45.459	ug/L
	Se	77	135.336	0.000	0.100686	0.181	179.916	ug/L
	Se	82	-36.802	0.000	0.165302	0.115	69.362	ug/L
>	Rh	103	298491.688	298491.688				ug/L
	Ag	107	51.334	0.000	0.004790	0.001	22.114	ug/L
	Cd	111	-1.222	-0.000	-0.001114	0.001	118.243	ug/L
	Cd	114	11.614	0.000	0.000719	0.001	203.191	ug/L
>	In	115	240132.270	240132.270				ug/L
	Sb	121	232.673	0.001	0.028525	0.002	7.513	ug/L
	Sb	123	194.709	0.001	0.033426	0.003	8.769	ug/L
	Tl	203	30.667	-0.000	-0.001119	0.000	30.128	ug/L
	Tl	205	68.001	-0.000	-0.001000	0.000	23.862	ug/L
	Pb	208	1260.389	0.002	0.031523	0.001	3.896	ug/L
>	Bi	209	326300.319	326300.319				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.243
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.250
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	99.983
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.617

00620

	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.456

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	340784.379	340784.379		ug/L
	Be	9	1.000	0.000	-0.002888	ug/L
	V	51	4013.808	0.006	0.200882	ug/L
	Cu	63	702.042	0.002	0.141487	ug/L
	Cu	65	313.010	0.001	0.125088	ug/L
	Zn	66	838.068	0.003	0.716161	ug/L
	Zn	68	810.064	0.002	0.763287	ug/L
>	Ge	72	241984.044	241984.044		ug/L
	As	75	444.742	0.002	0.314380	ug/L
	Se	77	149.003	0.000	0.257079	ug/L
	Se	82	-23.442	0.000	0.282645	ug/L
>	Rh	103	301318.087	301318.087		ug/L
	Ag	107	57.001	0.000	0.005478	ug/L
	Cd	111	1.476	0.000	0.000405	ug/L
	Cd	114	18.172	0.000	0.002273	ug/L
>	In	115	240610.823	240610.823		ug/L
	Sb	121	247.007	0.001	0.030887	ug/L
	Sb	123	201.827	0.001	0.034856	ug/L
	Tl	203	29.000	0.000	-0.001442	ug/L
	Tl	205	74.001	0.000	0.000740	ug/L
	Pb	208	1258.058	0.002	0.030129	ug/L
>	Bi	209	333580.282	333580.282		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	346984.902	346984.902		ug/L
	Be	9	1.000	-0.000	0.002753	ug/L
	V	51	4033.582	0.006	0.190086	ug/L
	Cu	63	737.045	0.002	0.145884	ug/L
	Cu	65	335.011	0.001	0.132553	ug/L
	Zn	66	848.068	0.003	0.705288	ug/L
	Zn	68	824.064	0.002	0.754583	ug/L
>	Ge	72	248109.976	248109.976		ug/L
	As	75	213.341	0.001	0.127997	ug/L
	Se	77	118.002	0.000	0.087808	ug/L
	Se	82	33.340	0.000	0.194487	ug/L
>	Rh	103	296725.728	296725.728		ug/L
	Ag	107	55.001	0.000	0.005324	ug/L
	Cd	111	2.682	0.000	0.001038	ug/L
	Cd	114	10.654	0.000	0.000508	ug/L
>	In	115	237167.276	237167.276		ug/L
	Sb	121	227.006	0.001	0.028046	ug/L
	Sb	123	201.124	0.001	0.035387	ug/L
	Tl	203	33.000	0.000	-0.000788	ug/L
	Tl	205	84.001	0.000	0.001209	ug/L
	Pb	208	1264.058	0.002	0.031986	ug/L
>	Bi	209	324348.838	324348.838		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	346887.990	346887.990		ug/L
	Be	9	2.000	0.000	0.001882	ug/L
	V	51	4048.734	0.006	0.201784	ug/L
	Cu	63	694.041	0.002	0.138222	ug/L
	Cu	65	328.011	0.001	0.132082	ug/L
	Zn	66	812.064	0.003	0.684902	ug/L
	Zn	68	783.048	0.002	0.692073	ug/L
>	Ge	72	243599.805	243599.805		ug/L
	As	75	264.331	0.001	0.186581	ug/L
	Se	77	139.003	0.000	0.142787	ug/L
	Se	82	53.623	0.000	0.038874	ug/L
>	Rh	103	297433.269	297433.269		ug/L
	Ag	107	42.001	0.000	0.003570	ug/L
	Cd	111	2.481	-0.000	0.001808	ug/L
	Cd	114	6.016	0.000	0.000825	ug/L
>	In	115	242718.913	242718.913		ug/L
	Sb	121	224.008	0.001	0.026662	ug/L
	Sb	123	181.375	0.001	0.030084	ug/L
	Tl	203	30.000	0.000	0.001146	ug/L
	Tl	205	68.001	0.000	0.001050	ug/L
	Pb	208	1261.058	0.002	0.032448	ug/L
>	Bi	209	320981.839	320981.839		ug/L

20621

Sample Information

Sample ID: 1002144-25
Autosampler Position: 110
Sample Date/Time: Tuesday, February 23, 2010 00:39:09
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\1002144-25.130
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	344975.220	344975.220				ug/L
	Be	9	2.000	0.000	0.001909	0.005	244.670	ug/L
	V	51	11082.378	0.035	1.122892	0.034	3.006	ug/L
	Cu	63	1956.287	0.007	0.460937	0.006	1.203	ug/L
	Cu	65	922.069	0.003	0.449445	0.006	1.292	ug/L
	Zn	66	2043.646	0.008	1.890813	0.037	1.937	ug/L
	Zn	68	1686.549	0.006	1.932378	0.048	2.478	ug/L
>	Ge	72	245113.573	245113.573				ug/L
	As	75	1530.968	0.006	1.153983	0.080	6.972	ug/L
	Se	77	142.003	0.000	0.165148	0.101	60.909	ug/L
	Se	82	-19.983	0.000	0.289564	0.195	67.188	ug/L
>	Rh	103	298555.677	298555.677				ug/L
	Ag	107	56.001	0.000	0.005408	0.001	18.657	ug/L
	Cd	111	4.384	0.000	0.002039	0.002	91.300	ug/L
	Cd	114	17.166	0.000	0.002061	0.002	86.997	ug/L
>	In	115	238966.250	238966.250				ug/L
	Sb	121	686.040	0.003	0.105380	0.004	3.514	ug/L
	Sb	123	488.308	0.002	0.098446	0.006	6.155	ug/L
	Tl	203	34.334	-0.000	-0.000589	0.001	230.633	ug/L
	Tl	205	86.001	0.000	0.000070	0.001	1342.846	ug/L
	Pb	208	5361.837	0.015	0.209923	0.006	2.632	ug/L
>	Bi	209	325523.817	325523.817				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	95.286
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	98.471
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.004
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.138

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	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

98.222

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	350864.804	350864.804		ug/L
Be	9	2.000	0.000	0.001758	ug/L
V	51	10983.249	0.035	1.114175	ug/L
Cu	63	1864.280	0.007	0.464058	ug/L
Cu	65	932.070	0.003	0.456878	ug/L
Zn	66	7000.300	0.008	1.852434	ug/L
Zn	68	1698.218	0.008	1.950173	ug/L
Ge	72	244583.391	244583.391		ug/L
As	75	1562.101	0.006	1.173354	ug/L
Se	77	152.003	0.000	0.271588	ug/L
Se	82	-17.301	0.000	0.309879	ug/L
Rh	103	300991.813	300991.813		ug/L
Ag	107	65.001	0.000	0.006640	ug/L
Cd	111	8.253	0.000	0.004188	ug/L
Cd	114	25.884	0.000	0.004130	ug/L
In	115	242908.556	242908.556		ug/L
Sb	121	677.038	0.003	0.101989	ug/L
Sb	123	475.266	0.002	0.063818	ug/L
Tl	203	28.000	0.000	0.001568	ug/L
Tl	205	86.001	0.000	0.000024	ug/L
Pb	208	5349.821	0.014	0.204988	ug/L
Bi	209	331733.728	331733.728		ug/L

Repeat 2

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	342362.143	342362.143		ug/L
Be	9	3.000	0.000	0.006852	ug/L
V	51	10849.832	0.034	1.084348	ug/L
Cu	63	1946.286	0.007	0.454533	ug/L
Cu	65	920.069	0.003	0.444581	ug/L
Zn	66	2063.319	0.008	1.894631	ug/L
Zn	68	1658.209	0.008	1.878149	ug/L
Ge	72	247000.490	247000.490		ug/L
As	75	1631.779	0.006	1.222988	ug/L
Se	77	134.003	0.000	0.071633	ug/L
Se	82	4.731	0.000	0.473104	ug/L
Rh	103	295582.781	295582.781		ug/L
Ag	107	53.001	0.000	0.005084	ug/L
Cd	111	2.582	0.000	0.001048	ug/L
Cd	114	12.511	0.000	0.000973	ug/L
In	115	236106.388	236106.388		ug/L
Sb	121	701.041	0.003	0.109318	ug/L
Sb	123	513.394	0.002	0.105304	ug/L
Tl	203	30.000	0.000	0.001174	ug/L
Tl	205	102.002	0.000	0.001058	ug/L
Pb	208	5300.814	0.015	0.208874	ug/L
Bi	209	323200.490	323200.490		ug/L

Repeat 3

Analyte	Mass	Mass Intensity	Net Intensity	Concentration	Report Unit
Li	6	341898.713	341898.713		ug/L
Be	9	1.000	0.000	-0.002685	ug/L
V	51	11304.053	0.036	1.160184	ug/L
Cu	63	1958.286	0.007	0.464222	ug/L
Cu	65	914.068	0.003	0.447889	ug/L
Zn	66	2087.320	0.008	1.925375	ug/L
Zn	68	1704.220	0.008	1.968814	ug/L
Ge	72	243756.836	243756.836		ug/L
As	75	1409.023	0.006	1.065607	ug/L
Se	77	140.003	0.000	0.152244	ug/L
Se	82	47.380	0.000	0.086616	ug/L
Rh	103	299092.456	299092.456		ug/L
Ag	107	50.001	0.000	0.004802	ug/L
Cd	111	2.318	0.000	0.000882	ug/L
Cd	114	13.102	0.000	0.001050	ug/L
In	115	237885.806	237885.806		ug/L
Sb	121	580.038	0.003	0.104854	ug/L
Sb	123	476.266	0.002	0.098217	ug/L
Tl	203	45.001	0.000	0.000984	ug/L
Tl	205	70.001	-0.000	0.000820	ug/L
Pb	208	5434.676	0.015	0.215898	ug/L
Bi	209	321837.231	321837.231		ug/L

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Sample Information

Sample ID: 0B22027-CCV
Autosampler Position: 2
Sample Date/Time: Tuesday, February 23, 2010 00:42:24
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCV.131
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	340707.617	340707.617				ug/L
⌊	Be	9	7986.542	0.023	37.482626	0.380	1.013	ug/L
⌈	V	51	286716.954	1.173	37.794609	0.133	0.351	ug/L
|	Cu	63	152477.853	0.629	39.542762	0.565	1.428	ug/L
|	Cu	65	72160.731	0.298	39.101675	0.301	0.769	ug/L
|	Zn	66	39033.424	0.161	38.718185	0.601	1.553	ug/L
|	Zn	68	28320.652	0.116	38.339984	0.545	1.420	ug/L
|>	Ge	72	242221.332	242221.332				ug/L
|	As	75	49707.000	0.205	39.068620	0.351	0.899	ug/L
|	Se	77	3842.072	0.015	38.866557	0.951	2.448	ug/L
⌊	Se	82	4925.003	0.021	37.339228	0.958	2.567	ug/L
⌈>	Rh	103	293808.184	293808.184				ug/L
|	Ag	107	283173.279	0.964	38.295525	0.292	0.764	ug/L
|	Cd	111	64548.919	0.220	36.901614	0.156	0.422	ug/L
⌊	Cd	114	153503.994	0.522	37.776760	0.512	1.356	ug/L
⌈>	In	115	237694.516	237694.516				ug/L
|	Sb	121	212406.270	0.893	36.081917	0.809	2.242	ug/L
⌊	Sb	123	162985.433	0.685	36.141770	0.852	2.357	ug/L
⌈	Tl	203	269406.583	0.841	38.210363	0.301	0.789	ug/L
|	Tl	205	644003.479	2.012	38.504317	0.634	1.646	ug/L
|	Pb	208	863426.118	2.696	38.130752	0.364	0.955	ug/L
⌊>	Bi	209	320120.115	320120.115				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.107
⌊	Be	9.012	
⌈	V	50.944	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	97.309
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	98.414
|	Ag	106.905	
|	Cd	110.904	
⌊	Cd	113.904	
⌈>	In	114.904	97.616

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	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

96.591

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Units
Li	6	343091.946	343091.946		ug/L
Be	9	7949.501	0.023	37.047922	ug/L
V	51	268582.808	1.177	37.887760	ug/L
Cu	63	153418.821	0.836	39.810184	ug/L
Cu	65	71637.152	0.298	38.939433	ug/L
Zn	66	39394.730	0.163	39.199813	ug/L
Zn	68	28291.169	0.116	38.419366	ug/L
Ge	72	241458.738	241458.738		ug/L
As	75	49944.170	0.207	39.377748	ug/L
Se	77	3905.108	0.016	39.650439	ug/L
Se	82	4863.338	0.020	38.989156	ug/L
Rh	103	297834.384	297834.384		ug/L
Ag	107	265187.804	0.958	38.068372	ug/L
Cd	111	65311.923	0.219	38.856436	ug/L
Cd	114	153211.336	0.515	37.215449	ug/L
In	115	236018.753	236018.753		ug/L
Sb	121	208433.346	0.870	35.148108	ug/L
Sb	123	157880.987	0.668	35.261498	ug/L
Tl	203	270808.364	0.946	38.363787	ug/L
Tl	205	652428.070	2.038	39.010183	ug/L
Pb	208	871663.506	2.722	38.498434	ug/L
Bi	209	320086.860	320086.860		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Units
Li	6	339428.984	339428.984		ug/L
Be	9	7992.549	0.024	37.650634	ug/L
V	51	267720.257	1.169	37.644716	ug/L
Cu	63	151098.931	0.819	38.892534	ug/L
Cu	65	72366.354	0.295	38.916828	ug/L
Zn	66	38643.837	0.158	39.043800	ug/L
Zn	68	28105.488	0.114	37.780131	ug/L
Ge	72	244024.758	244024.758		ug/L
As	75	49590.097	0.203	38.988976	ug/L
Se	77	3788.032	0.015	37.907870	ug/L
Se	82	4863.353	0.020	36.806066	ug/L
Rh	103	294512.891	294512.891		ug/L
Ag	107	263100.980	0.961	38.191378	ug/L
Cd	111	65008.418	0.221	37.074287	ug/L
Cd	114	154374.583	0.524	37.895462	ug/L
In	115	238282.428	238282.428		ug/L
Sb	121	215787.530	0.905	36.565935	ug/L
Sb	123	163843.564	0.687	36.201586	ug/L
Tl	203	268549.816	0.934	37.982322	ug/L
Tl	205	636811.580	1.974	37.793582	ug/L
Pb	208	868348.062	2.696	38.121789	ug/L
Bi	209	322026.184	322026.184		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Units
Li	6	339801.922	339801.922		ug/L
Be	9	8017.577	0.024	37.749321	ug/L
V	51	265837.801	1.175	37.841348	ug/L
Cu	63	152918.008	0.833	39.625569	ug/L
Cu	65	72488.687	0.300	39.449867	ug/L
Zn	66	39081.907	0.161	38.911842	ug/L
Zn	68	28588.289	0.117	38.840426	ug/L
Ge	72	241179.500	241179.500		ug/L
As	75	49586.733	0.205	39.141141	ug/L
Se	77	3852.077	0.015	39.141262	ug/L
Se	82	5048.317	0.021	38.423462	ug/L
Rh	103	289277.268	289277.268		ug/L
Ag	107	261231.243	0.972	38.625828	ug/L
Cd	111	63329.414	0.218	36.772121	ug/L
Cd	114	152926.052	0.529	38.219349	ug/L
In	115	238782.368	238782.368		ug/L
Sb	121	218017.933	0.904	36.631712	ug/L
Sb	123	167431.788	0.701	36.982247	ug/L
Tl	203	269081.548	0.845	38.384979	ug/L
Tl	205	643672.777	2.022	38.709205	ug/L
Pb	208	850286.798	2.670	37.771025	ug/L
Bi	209	318247.310	318247.310		ug/L

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Sample Information

Sample ID: 0B22027-CCB
Autosampler Position: 1
Sample Date/Time: Tuesday, February 23, 2010 00:50:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B22027.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B22027\0B22027-CCB.132
Tuning File: C:\Elandata\Tuning\22FEB2010_6020A_C.tun
Optimization File: C:\Elandata\Optimize\22feb2010_6020a.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	337434.279	337434.279				ug/L
	Be	9	1.000	-0.000	-0.002644	0.005	177.921	ug/L
	V	51	2240.794	-0.001	-0.034030	0.005	15.221	ug/L
	Cu	63	180.004	0.000	0.006076	0.004	59.992	ug/L
	Cu	65	93.335	0.000	0.006088	0.008	135.618	ug/L
	Zn	66	141.003	0.000	0.022512	0.010	44.993	ug/L
	Zn	68	296.342	0.000	0.062773	0.020	31.818	ug/L
>	Ge	72	240974.828	240974.828				ug/L
	As	75	-37.419	-0.000	-0.065420	0.015	23.554	ug/L
	Se	77	136.336	0.000	0.130456	0.036	27.621	ug/L
	Se	82	-39.044	0.000	0.144665	0.073	50.417	ug/L
>	Rh	103	299094.058	299094.058				ug/L
	Ag	107	64.334	0.000	0.006512	0.002	36.168	ug/L
	Cd	111	5.785	0.000	0.002821	0.002	75.843	ug/L
	Cd	114	4.470	-0.000	-0.001011	0.001	104.253	ug/L
>	In	115	239704.660	239704.660				ug/L
	Sb	121	584.030	0.002	0.087744	0.009	10.501	ug/L
	Sb	123	465.309	0.002	0.092981	0.003	3.645	ug/L
	Tl	203	32.334	-0.000	-0.000804	0.001	132.770	ug/L
	Tl	205	82.001	-0.000	-0.000095	0.001	1000.168	ug/L
	Pb	208	1498.076	0.003	0.042990	0.002	5.439	ug/L
>	Bi	209	320571.882	320571.882				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	93.203
	Be	9.012	
	V	50.944	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	96.808
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	100.185
	Ag	106.905	
	Cd	110.904	
	Cd	113.904	
>	In	114.904	98.442

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	Sb	120.904
	Sb	122.904
	Tl	202.972
	Tl	204.975
	Pb	207.977
>	Bi	208.980

96.727

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	335480.480	335480.480		ug/L
Be	9	0.000	-0.000	-0.007362	ug/L
V	51	2258.612	-0.001	-0.028080	ug/L
Cu	63	190.004	0.000	0.008248	ug/L
Cu	65	102.002	0.000	0.011414	ug/L
Zn	66	137.003	0.000	0.020210	ug/L
Zn	68	305.010	0.000	0.078512	ug/L
Ge	72	238129.662	238129.662		ug/L
As	75	-21.888	-0.000	-0.053348	ug/L
Se	77	132.003	0.000	0.101540	ug/L
Se	82	38.474	0.000	0.148148	ug/L
Rh	103	297267.579	297267.579		ug/L
Ag	107	84.001	0.000	0.009187	ug/L
Cd	111	1.414	0.000	0.000379	ug/L
Cd	114	-0.576	-0.000	-0.002228	ug/L
In	115	239865.848	239865.848		ug/L
Sb	121	628.034	0.002	0.086100	ug/L
Sb	123	461.768	0.002	0.092116	ug/L
Tl	203	24.000	-0.000	-0.003022	ug/L
Tl	205	81.001	-0.000	-0.000186	ug/L
Pb	208	1466.074	0.003	0.041029	ug/L
Bi	209	323680.844	323680.844		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	336863.688	336863.688		ug/L
Be	9	1.000	-0.000	-0.002615	ug/L
V	51	2220.854	-0.001	-0.036372	ug/L
Cu	63	183.004	0.000	0.008887	ug/L
Cu	65	101.002	0.000	0.010271	ug/L
Zn	66	132.003	0.000	0.013733	ug/L
Zn	68	300.009	0.000	0.068144	ug/L
Ge	72	240682.134	240682.134		ug/L
As	75	59.273	0.000	0.082778	ug/L
Se	77	140.003	0.000	0.170623	ug/L
Se	82	-29.309	0.000	0.217358	ug/L
Rh	103	301468.294	301468.294		ug/L
Ag	107	58.001	0.000	0.006604	ug/L
Cd	111	8.594	0.000	0.004388	ug/L
Cd	114	7.070	-0.000	-0.000092	ug/L
In	115	242358.374	242358.374		ug/L
Sb	121	608.032	0.002	0.090723	ug/L
Sb	123	487.518	0.002	0.098718	ug/L
Tl	203	35.000	-0.000	0.000083	ug/L
Tl	205	66.001	-0.000	-0.000081	ug/L
Pb	208	1536.080	0.003	0.045678	ug/L
Bi	209	316233.756	316233.756		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	339988.688	339988.688		ug/L
Be	9	2.000	0.000	0.002046	ug/L
V	51	2243.016	-0.001	-0.037625	ug/L
Cu	63	187.004	0.000	0.002084	ug/L
Cu	65	77.001	-0.000	0.003423	ug/L
Zn	66	154.003	0.000	0.033564	ug/L
Zn	68	284.009	0.000	0.040663	ug/L
Ge	72	244112.688	244112.688		ug/L
As	75	31.114	-0.000	0.060136	ug/L
Se	77	137.003	0.000	0.119004	ug/L
Se	82	48.349	0.000	0.071490	ug/L
Rh	103	298548.300	298548.300		ug/L
Ag	107	51.001	0.000	0.004747	ug/L
Cd	111	7.348	0.000	0.003718	ug/L
Cd	114	6.915	-0.000	0.000413	ug/L
In	115	236792.757	236792.757		ug/L
Sb	121	518.024	0.002	0.077408	ug/L
Sb	123	446.841	0.002	0.090107	ug/L
Tl	203	38.000	-0.000	-0.000027	ug/L
Tl	205	99.002	0.000	0.000602	ug/L
Pb	208	1490.078	0.003	0.042363	ug/L
Bi	209	321821.249	321821.249		ug/L

00627

TriMatrix Laboratories, Inc.

Alk 3.5
Cont-d. DB23007
Bc

Metals Laboratory Instrument Run Sequence

Instrument #: 14 | Data File: DB23010
Date: 2-23-10 | Calibration BLK/ICB/CCB: 1% HNO3 LOT#1109060
Analyst: DC | 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	1000901-BLK3				35/51				
2/18	BS3				36/52				
3/19	1002004-01				37/53				
4/20	MS5				38/54				
5/21	MSD5				39/55				
6/22	SCD1				40/56				
7/23	PS5				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	MS6				49/65				
16/32	MSD6				50/66				
17/33	SCD2				51/67				
18/34	DS6				52/68				
19/35	-09				53/69				
20/36	10				54/70				
21/37	-11				55/71				
22/38	-12				56/72				
23/39					57/73				
24/40					58/74				
25/41					59/75				
26/42					60/76				
27/43					61/77				
28/44					62/78				
29/45					63/79				
30/46					64/80				
31/47					65/81				
32/48					66/82				
33/49					67/83				
34/50					68/84				

Instrument Tuning Report

File Name: 23FEB2010_6020A_A.tun
File Path: C:\Elandata\Tuning

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
Li	7.016	7.026	1530	2025	0.859	
Co	58.933	58.979	14192	2005	0.851	
In	114.904	114.927	27848	2000	0.839	
Ba	137.905	137.929	33459	1990	0.860	
Ce	139.905	139.929	33948	1985	0.872	
Tl	204.975	204.927	49818	1980	0.851	

Report Date/Time: Tuesday, February 23, 2010 08:08:39

00629

Daily Performance Report

Sample ID: 0010896
Sample Date/Time: Tuesday, February 23, 2010 08:10:19
Sample Description:
Method File: C:\elandata\Method\6020A_Daily.mth
Dataset File: C:\elandata\Dataset\daily performance\0010896.2577
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac
Dual Detector Mode: Dual

Acq. Dead Time(ns): 70
Current Dead Time (ns): 70

Number of Replicates: 6

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Li	7.0	4859.0	4858.988	219.158	4.5
	Co	58.9	105661.9	105661.940	1706.837	1.6
	In	114.9	245251.0	245251.035	2144.528	0.9
	Tl	205.0	182295.8	182295.790	2593.039	1.4
⌈>	Ba	137.9	216080.5	216080.458	3573.371	1.7
⌊	Ba++	69.0	2774.4	0.013	0.000	1.3
⌈>	Ce	139.9	278051.7	278051.721	4895.084	1.8
⌊	CeO	155.9	7627.1	0.027	0.000	1.4
	Bkgd	220.0	4.3	4.333	1.366	31.5

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	4551.450	4551.450
Co	59	104336.502	104336.502
In	115	245970.221	245970.221
Tl	205	183420.153	183420.153
Ba	138	218439.038	218439.038
Ba++	69	2762.534	0.013
Ce	140	274514.625	274514.625
CeO	156	7329.759	0.027
Bkgd	220	2.000	2.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5110.828	5110.828
Co	59	104483.630	104483.630
In	115	243227.648	243227.648
Tl	205	184552.773	184552.773
Ba	138	210068.108	210068.108
Ba++	69	2751.530	0.013
Ce	140	280501.620	280501.620
CeO	156	7757.210	0.028
Bkgd	220	4.000	4.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	4731.567	4731.567
Co	59	105544.050	105544.050
In	115	245879.628	245879.628
Tl	205	179906.466	179906.466
Ba	138	213840.457	213840.457
Ba++	69	2736.524	0.013
Ce	140	278160.691	278160.691
CeO	156	7619.061	0.027
Bkgd	220	5.000	5.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	4816.623	4816.623
Co	59	104119.368	104119.368
In	115	242035.903	242035.903

Tl	205	185621.949	185621.949
Ba	138	216913.763	216913.763
Ba++	69	2765.535	0.013
Ce	140	273671.167	273671.167
CeO	156	7573.012	0.028
Bkgd	220	6.000	6.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	5110.828	5110.828
Co	59	108166.850	108166.850
In	115	247399.580	247399.580
Tl	205	180900.094	180900.094
Ba	138	217265.794	217265.794
Ba++	69	2824.558	0.013
Ce	140	286550.769	286550.769
CeO	156	7960.433	0.028
Bkgd	220	5.000	5.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	4832.634	4832.634
Co	59	107321.238	107321.238
In	115	246993.227	246993.227
Tl	205	179373.306	179373.306
Ba	138	219955.590	219955.590
Ba++	69	2805.551	0.013
Ce	140	274911.458	274911.458
CeO	156	7522.960	0.027
Bkgd	220	4.000	4.000

Sample/Batch Report

User Name: Administrator
Computer Name: ELAN6000_22
Sample File: C:\Elandata\Sample\0B23010.sam
Report Date/Time: Tuesday, February 23, 2010 08:14:07

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
17		1000901-BLK3		Sample					
18		1000901-BS3		Sample					
19		1002004-01		Sample					
20		1000901-MS5		Sample					
21		1000901-MSD5		Sample					
22		0B23010-SRD1		Sample					
23		1000901-PS5		Sample					
24		1002004-02		Sample					
25		1002004-03		Sample					
26		1002004-04		Sample					
27		1002004-05		Sample					
28		1002004-06		Sample					
29		1002004-07		Sample					
30		1002004-08		Sample					
31		1000901-MS6		Sample					
32		1000901-MSD6		Sample					
33		0B23010-SRD2		Sample					
34		1000901-PS6		Sample					
35		1002004-09		Sample					
36		1002004-10		Sample					
37		1002004-11		Sample					
38		1002004-12		Sample					

Sample Information

Sample ID: 0B23010-CAL1
Autosampler Position: 1
Sample Date/Time: Tuesday, February 23, 2010 08:15:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\0B23010-CAL1.001
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	241466.083					ug/L
⌊	Be	9	2.667					ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	240451.558			ug/L
⌊	Be	9	0.000			ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	243502.372			ug/L
⌊	Be	9	2.000			ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	240444.321			ug/L
⌊	Be	9	6.000			ug/L

29633

Sample Information

Sample ID: 0B23010-CAL2
Autosampler Position: 3
Sample Date/Time: Tuesday, February 23, 2010 08:17:28
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\0B23010-CAL2.002
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	228963.512	228963.512				ug/L
⌊	Be	9	30.667	0.000	0.200000	0.048	24.018	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	222587.135	222587.135		ug/L
Be	9	34.000	0.000	0.229207	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	239008.230	239008.230		ug/L
Be	9	24.000	0.000	0.144568	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	225297.170	225297.170		ug/L
Be	9	34.000	0.000	0.226236	ug/L

20634

Sample Information

Sample ID: 0B23010-CAL3
Autosampler Position: 4
Sample Date/Time: Tuesday, February 23, 2010 08:19:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\0B23010-CAL3.003
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	223176.886	223176.886				ug/L
	Be	9	134.669	0.001	0.998341	0.034	3.395	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	215997.667	215997.667		ug/L
	Be	9	137.003	0.001	1.035228	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	229983.684	229983.684		ug/L
	Be	9	134.003	0.001	0.958679	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	221888.306	221888.306		ug/L
	Be	9	133.003	0.001	0.991217	ug/L

Sample Information

Sample ID: 0B23010-CAL4
Autosampler Position: 5
Sample Date/Time: Tuesday, February 23, 2010 08:22:22
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\0B23010-CAL4.004
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	228323.001	228323.001				ug/L
⌊	Be	9	1444.494	0.006	10.006177	0.431	4.307	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	230082.175	230082.175		ug/L
⌊	Be	9	1521.177	0.007	10.456288	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	229521.568	229521.568		ug/L
⌊	Be	9	1393.160	0.006	9.600027	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	225366.288	225366.288		ug/L
⌊	Be	9	1419.155	0.006	9.860235	ug/L

90636

Sample Information

Sample ID: 0B23010-CAL5
Autosampler Position: 6
Sample Date/Time: Tuesday, February 23, 2010 08:24:49
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\0B23010-CAL5.005
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	227065.131	227065.131				ug/L
⌊	Be	9	2804.579	0.012	19.909436	0.279	1.400	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	216296.666	216296.666		ug/L
⌊	Be	9	2738.562	0.013	20.216169	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	230643.666	230643.666		ug/L
⌊	Be	9	2615.583	0.012	19.671558	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	232255.873	232255.873		ug/L
⌊	Be	9	2858.601	0.012	19.840581	ug/L

00637

Sample Information

Sample ID: 0B23010-CAL6
Autosampler Position: 7
Sample Date/Time: Tuesday, February 23, 2010 08:27:13
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\0B23010-CAL6.006
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	221088.307	221088.307				ug/L
⌊	Be	9	6758.270	0.031	49.886406	1.061	2.126	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	204280.982	204280.982		ug/L
⌊	Be	9	6330.888	0.031	50.533728	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	238015.171	238015.171		ug/L
⌊	Be	9	7043.541	0.030	48.662143	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	222988.788	222988.788		ug/L
⌊	Be	9	6900.400	0.031	50.463348	ug/L

00638

Sample Information

Sample ID: 0B23010-CAL7
Autosampler Position: 8
Sample Date/Time: Tuesday, February 23, 2010 08:29:39
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\0B23010-CAL7.007
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	223736.060	223736.060				ug/L
[	Be	9	13771.736	0.062	100.094185	1.308	1.307	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	
[	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	230434.256	230434.256		ug/L
[	Be	9	13973.795	0.061	98.587982	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	220857.658	220857.658		ug/L
[	Be	9	13587.238	0.062	100.753848	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	219916.262	219916.262		ug/L
[	Be	9	13654.175	0.062	100.940748	ug/L

00639

Quantitative Analysis Calibration Report

File Name:
File Path:
Calibration Type: External Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Li	6.015	Linear Thru Zero	0.00	0.00	0.000000
Be	9.012	Linear Thru Zero	0.00	0.00	0.999994

Method Equation

Analyte	Mass	Corrections

00640

Sample Information

Sample ID: 0B23010-SCV1
Autosampler Position: 2
Sample Date/Time: Tuesday, February 23, 2010 08:32:05
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\0B23010-SCV1.008
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	222849.376	222849.376				ug/L
[	Be	9	5381.748	0.024	39.252279	0.401	1.023	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	92.290
[	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	215180.200	215180.200		ug/L
[	Be	9	5184.933	0.024	39.183132	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	224184.341	224184.341		ug/L
[	Be	9	5474.152	0.024	39.890788	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	229203.588	229203.588		ug/L
[	Be	9	5486.181	0.024	38.922836	ug/L

Sample Information

Sample ID: 0B23010-CCB
Autosampler Position: 1
Sample Date/Time: Tuesday, February 23, 2010 08:34:30
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\0B23010-CCB.009
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	215160.686	215160.686				ug/L
⌊	Be	9	1.667	-0.000	-0.005418	0.016	288.389	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	89.106
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	214400.258	214400.258		ug/L
⌊	Be	9	0.000	-0.000	-0.017958	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	216503.308	216503.308		ug/L
⌊	Be	9	4.000	0.000	0.012088	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	214578.493	214578.493		ug/L
⌊	Be	9	1.000	-0.000	-0.010380	ug/L

00642

Sample Information

Sample ID: 0B23010-CRL1
Autosampler Position: 4
Sample Date/Time: Tuesday, February 23, 2010 08:36:56
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\0B23010-CRL1.010
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	220303.974	220303.974				ug/L
⌊	Be	9	140.003	0.001	1.015791	0.103	10.097	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	91.236
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	217722.560	217722.550		ug/L
⌊	Be	9	133.003	0.001	0.980307	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	223381.388	223381.388		ug/L
⌊	Be	9	130.002	0.001	0.928367	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	219808.004	219808.004		ug/L
⌊	Be	9	155.003	0.001	1.129688	ug/L

00643

Sample Information

Sample ID: 0B23010-IFA1
Autosampler Position: 10
Sample Date/Time: Tuesday, February 23, 2010 08:39:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\0B23010-IFA1.011
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	218932.475	218932.475				ug/L
⌊	Be	9	1.000	-0.000	-0.010599	0.007	69.825	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	90.668
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	223438.040	223438.040		ug/L
⌊	Be	9	1.000	-0.000	-0.010599	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	219737.895	219737.895		ug/L
⌊	Be	9	2.000	-0.000	-0.003158	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	213623.490	213623.490		ug/L
⌊	Be	9	0.000	0.000	0.017858	ug/L

Sample Information

Sample ID: 0B23010-IFB1
Autosampler Position: 11
Sample Date/Time: Tuesday, February 23, 2010 08:41:51
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\0B23010-IFB1.012
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	219723.332	219723.332				ug/L
⌊	Be	9	2733.217	0.012	20.214362	0.668	3.305	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	90.996
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	219998.745	219998.745		ug/L
Be	9	2826.587	0.013	20.868546	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	214384.804	214384.804		ug/L
Be	9	2671.528	0.012	20.244819	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	224786.446	224786.446		ug/L
Be	9	2702.536	0.012	19.531820	ug/L

00645

Sample Information

Sample ID: 0B23010-CCV
Autosampler Position: 2
Sample Date/Time: Tuesday, February 23, 2010 08:44:17
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\0B23010-CCV.013
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	223766.471	223766.471				ug/L
⌊	Be	9	5281.004	0.024	38.360702	0.541	1.409	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	92.670
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	220861.739	220861.739		ug/L
⌊	Be	9	5284.992	0.024	38.779778	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	225297.170	225297.170		ug/L
⌊	Be	9	5232.988	0.023	37.750398	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	225340.508	225340.508		ug/L
⌊	Be	9	5348.083	0.024	38.561631	ug/L

Sample Information

Sample ID: 0B23010-CCB
Autosampler Position: 1
Sample Date/Time: Tuesday, February 23, 2010 08:46:42
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\0B23010-CCB.014
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	234458.170	234458.170				ug/L
	Be	9	0.667	-0.000	-0.013240	0.004	31.004	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	97.098
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	217688.567	217688.567		ug/L
Be	9	1.000	-0.000	-0.010488	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	242430.821	242430.821		ug/L
Be	9	0.000	-0.000	-0.017958	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	243254.122	243254.122		ug/L
Be	9	1.000	-0.000	-0.011273	ug/L

00647

Sample Information

Sample ID: 1000901-BLK3
Autosampler Position: 17
Sample Date/Time: Tuesday, February 23, 2010 08:49:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\1000901-BLK3.015
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	215920.060	215920.060				ug/L
	Be	9	1.333	-0.000	-0.008015	0.011	141.282	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	89.420
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	219087.769	219087.769		ug/L
	Be	9	3.000	0.000	0.004319	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	215088.922	215088.922		ug/L
	Be	9	1.000	-0.000	-0.010397	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	213823.490	213823.490		ug/L
	Be	9	0.000	-0.000	-0.017958	ug/L

00648

Sample Information

Sample ID: 1000901-BS3
Autosampler Position: 18
Sample Date/Time: Tuesday, February 23, 2010 08:51:02
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\1000901-BS3.016
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	220206.621	220206.621				ug/L
	Be	9	2452.446	0.011	18.088041	0.307	1.696	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	91.196
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	216878.344	216878.344		ug/L
	Be	9	2377.419	0.011	17.798616	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	224280.284	224280.284		ug/L
	Be	9	2541.477	0.011	18.409576	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
>	Li	6	219383.238	219383.238		ug/L
	Be	9	2439.441	0.011	18.058831	ug/L

00643

Sample Information

Sample ID: 1002004-01
Autosampler Position: 19
Sample Date/Time: Tuesday, February 23, 2010 08:52:58
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\1002004-01.017
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	218187.270	218187.270				ug/L
[	Be	9	4.000	0.000	0.012087	0.027	224.641	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[>	Li	6.015	90.359
[	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	214095.310	214095.310		ug/L
[	Be	9	3.000	0.000	0.004827	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	216482.986	216482.986		ug/L
[	Be	9	8.000	0.000	0.042133	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	223983.808	223983.808		ug/L
[	Be	9	1.000	-0.000	-0.010868	ug/L

00650

Sample Information

Sample ID: 1000901-MS5
Autosampler Position: 20
Sample Date/Time: Tuesday, February 23, 2010 08:54:54
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\1000901-MS5.018
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	212036.451	212036.451				ug/L
⌊	Be	9	2557.817	0.012	19.594600	0.320	1.633	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	87.812
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	207337.204	207337.204		ug/L
⌊	Be	9	2458.447	0.012	19.246800	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	211077.428	211077.428		ug/L
⌊	Be	9	2582.493	0.012	19.876539	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	217684.720	217684.720		ug/L
⌊	Be	9	2634.512	0.012	19.660380	ug/L

00651

Sample Information

Sample ID: 1000901-MSD5
Autosampler Position: 21
Sample Date/Time: Tuesday, February 23, 2010 08:56:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\1000901-MSD5.019
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	212614.050	212614.050				ug/L
	Be	9	2560.818	0.012	19.566926	0.146	0.746	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	88.051
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	212566.312	212555.312		ug/L
Be	9	2581.492	0.012	19.730561	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	213430.856	213430.856		ug/L
Be	9	2584.488	0.012	19.519983	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	211856.983	211856.983		ug/L
Be	9	2536.476	0.012	19.450236	ug/L

00652

Sample Information

Sample ID: 0B23010-SRD1
Autosampler Position: 22
Sample Date/Time: Tuesday, February 23, 2010 08:58:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\0B23010-SRD1.020
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	219612.515	219612.515				ug/L
⌊	Be	9	2.000	-0.000	-0.002565	0.016	618.015	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	90.950
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	208414.824	208414.824		ug/L
⌊	Be	9	4.000	0.000	0.013708	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	224053.956	224053.956		ug/L
⌊	Be	9	2.000	0.000	-0.003443	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	229388.766	229388.766		ug/L
⌊	Be	9	0.000	-0.000	0.017858	ug/L

00653

Sample Information

Sample ID: 1000901-PS5
Autosampler Position: 23
Sample Date/Time: Tuesday, February 23, 2010 09:00:44
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\1000901-PS5.021
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	221788.200	221788.200				ug/L
⌊	Be	9	2722.213	0.012	19.941128	0.689	3.458	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	91.851
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	221045.333	221046.333		ug/L
⌊	Be	9	2738.562	0.012	20.127417	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	222481.214	222481.214		ug/L
⌊	Be	9	2628.508	0.012	19.177843	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	221828.084	221828.084		ug/L
⌊	Be	9	2801.577	0.013	20.518334	ug/L

00654

Sample Information

Sample ID: 1002004-02
Autosampler Position: 24
Sample Date/Time: Tuesday, February 23, 2010 09:02:42
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\1002004-02.022
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	219196.217	219196.217				ug/L
	Be	9	4.000	0.000	0.011764	0.007	63.338	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	90.777
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	223313.288	223313.288		ug/L
Be	9	5.000	0.000	0.018450	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	209384.077	209384.077		ug/L
Be	9	4.000	0.000	0.013108	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	224911.286	224911.286		ug/L
Be	9	3.000	0.000	0.003732	ug/L

20655

Sample Information

Sample ID: 1002004-03
Autosampler Position: 25
Sample Date/Time: Tuesday, February 23, 2010 09:04:40
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\1002004-03.023
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	228859.442	228859.442				ug/L
⌊	Be	9	2.667	0.000	0.000980	0.004	408.857	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	94.779
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	225629.297	225629.297		ug/L
⌊	Be	9	2.000	-0.000	0.000538	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	239825.203	239825.203		ug/L
⌊	Be	9	3.000	0.000	0.002374	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	221124.734	221124.734		ug/L
⌊	Be	9	3.000	0.000	0.004103	ug/L

20655

Sample Information

Sample ID: 1002004-04
Autosampler Position: 26
Sample Date/Time: Tuesday, February 23, 2010 09:06:37
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\1002004-04.024
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	218007.937	218007.937				ug/L
⌊	Be	9	2.333	-0.000	-0.000550	0.004	774.521	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	90.285
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	225867.506	225867.506		ug/L
⌊	Be	9	2.000	-0.000	-0.000540	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	209579.253	209579.253		ug/L
⌊	Be	9	2.000	-0.000	-0.002440	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	218677.052	218677.052		ug/L
⌊	Be	9	3.000	0.000	0.004330	ug/L

90657

Sample Information

Sample ID: 0B23010-CCV
Autosampler Position: 2
Sample Date/Time: Tuesday, February 23, 2010 09:08:32
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\0B23010-CCV.025
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	218151.781	218151.781				ug/L
⌊	Be	9	5378.745	0.025	40.081732	0.609	1.521	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	90.345
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	213774.922	213774.922		ug/L
⌊	Be	9	5357.082	0.025	40.729975	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	221981.093	221981.093		ug/L
⌊	Be	9	5397.092	0.024	39.520402	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	218718.328	218718.328		ug/L
⌊	Be	9	5382.081	0.029	39.994821	ug/L

00658

Sample Information

Sample ID: 0B23010-CCB
Autosampler Position: 1
Sample Date/Time: Tuesday, February 23, 2010 09:10:58
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\0B23010-CCB.026
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	220316.475	220316.475				ug/L
⌊	Be	9	1.333	-0.000	-0.007695	0.012	158.069	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	91.241
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	205843.919	205843.919		ug/L
⌊	Be	9	3.000	0.000	0.008741	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	225716.083	225716.083		ug/L
⌊	Be	9	0.000	0.000	-0.017958	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	229388.413	229388.413		ug/L
⌊	Be	9	1.000	-0.000	-0.010888	ug/L

Sample Information

Sample ID: 1002004-05
Autosampler Position: 27
Sample Date/Time: Tuesday, February 23, 2010 09:13:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\1002004-05.027
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	216609.885	216609.885				ug/L
⌊	Be	9	2.333	-0.000	-0.000396	0.005	1168.885	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	89.706
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	213016.762	213016.762		ug/L
⌊	Be	9	3.000	0.000	0.004943	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	215728.374	215728.374		ug/L
⌊	Be	9	2.000	-0.000	-0.002883	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	221084.519	221084.519		ug/L
⌊	Be	9	2.000	-0.000	-0.003248	ug/L

00660

Sample Information

Sample ID: 1002004-06
Autosampler Position: 28
Sample Date/Time: Tuesday, February 23, 2010 09:15:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\1002004-06.028
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	212208.026	212208.026				ug/L
⌊	Be	9	13.000	0.000	0.081556	0.022	27.101	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	87.883
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	212221.603	212221.603		ug/L
⌊	Be	9	10.000	0.000	0.058884	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	215498.488	215498.488		ug/L
⌊	Be	9	16.000	0.000	0.102774	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	208908.978	208908.978		ug/L
⌊	Be	9	13.000	0.000	0.083231	ug/L

00661

Sample Information

Sample ID: 1002004-07
Autosampler Position: 29
Sample Date/Time: Tuesday, February 23, 2010 09:17:14
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\1002004-07.029
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	214706.579	214706.579				ug/L
⌊	Be	9	0.333	-0.000	-0.015456	0.004	28.037	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	88.918
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	210297.927	210297.927		ug/L
⌊	Be	9	0.000	-0.000	-0.017958	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	218647.588	218647.588		ug/L
⌊	Be	9	1.000	-0.000	0.010452	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	217174.228	217174.228		ug/L
⌊	Be	9	0.000	-0.000	-0.017958	ug/L

00662

Sample Information

Sample ID: 1002004-08
Autosampler Position: 30
Sample Date/Time: Tuesday, February 23, 2010 09:19:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\1002004-08.030
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	209300.610	209300.610				ug/L
⌊	Be	9	0.667	-0.000	-0.012697	0.009	71.760	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	86.679
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	211197.913	211197.913		ug/L
⌊	Be	9	0.000	-0.000	-0.017958	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	210632.577	210632.577		ug/L
⌊	Be	9	0.000	0.000	-0.017958	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	208071.340	208071.340		ug/L
⌊	Be	9	2.000	0.000	0.002176	ug/L

00663

Sample Information

Sample ID: 1000901-MS6
Autosampler Position: 31
Sample Date/Time: Tuesday, February 23, 2010 09:21:05
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\1000901-MS6.031
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[>	Li	6	219786.906	219786.906				ug/L
[	Be	9	2442.442	0.011	18.058982	0.595	3.292	ug/L

QC Calculated Values

	Analyte	*Mass*	*Int Std % Recovery*
[>	Li	6.015	91.022
[	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	221717.704	221717.704		ug/L
[	Be	9	2391.424	0.011	17.520521	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	214732.008	214732.008		ug/L
[	Be	9	2471.452	0.011	18.697087	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[>	Li	6	222911.007	222911.007		ug/L
[	Be	9	2464.450	0.011	17.958328	ug/L

9866

Sample Information

Sample ID: 1000901-MSD6
Autosampler Position: 32
Sample Date/Time: Tuesday, February 23, 2010 09:23:01
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\1000901-MSD6.032
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	209441.934	209441.934				ug/L
⌊	Be	9	2470.785	0.012	19.168109	0.439	2.290	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	86.738
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	208946.071	208946.071		ug/L
⌊	Be	9	2486.466	0.012	19.534832	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	209343.486	209343.486		ug/L
⌊	Be	9	2455.457	0.012	19.267607	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	212037.248	212037.248		ug/L
⌊	Be	9	2438.441	0.011	18.681787	ug/L

90665

Sample Information

Sample ID: 0B23010-SRD2
Autosampler Position: 33
Sample Date/Time: Tuesday, February 23, 2010 09:24:58
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\0B23010-SRD2.033
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	231692.867	231692.867				ug/L
⌊	Be	9	2.000	-0.000	-0.003996	0.007	169.050	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	95.953
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	229956.857	229956.857		ug/L
⌊	Be	9	1.000	-0.000	-0.010856	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	229391.478	229391.478		ug/L
⌊	Be	9	2.000	-0.000	-0.003781	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	236730.267	236730.267		ug/L
⌊	Be	9	3.000	0.000	0.002848	ug/L

00666

Sample Information

Sample ID: 1000901-PS6
Autosampler Position: 34
Sample Date/Time: Tuesday, February 23, 2010 09:26:55
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\1000901-PS6.034
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	212805.211	212805.211				ug/L
⌊	Be	9	2633.512	0.012	20.105324	0.120	0.598	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	88.130
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	212998.512	212998.512		ug/L
⌊	Be	9	2649.616	0.013	20.237218	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	216580.588	216580.588		ug/L
⌊	Be	9	2668.534	0.012	20.001831	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	209136.634	209136.634		ug/L
⌊	Be	9	2584.453	0.012	20.076823	ug/L

00667

Sample Information

Sample ID: 1002004-09
Autosampler Position: 35
Sample Date/Time: Tuesday, February 23, 2010 09:28:52
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\1002004-09.035
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	219871.317	219871.317				ug/L
⌊	Be	9	3.333	0.000	0.006748	0.005	70.087	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	91.057
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	220185.367	220185.367		ug/L
⌊	Be	9	3.000	0.000	0.004187	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	223784.707	223784.707		ug/L
⌊	Be	9	3.000	0.000	0.003841	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	215843.678	215843.678		ug/L
⌊	Be	9	4.000	0.000	0.012204	ug/L

99668

Sample Information

Sample ID: 1002004-10
Autosampler Position: 36
Sample Date/Time: Tuesday, February 23, 2010 09:30:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\1002004-10.036
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	208119.278	208119.278				ug/L
⌊	Be	9	3.000	0.000	0.005405	0.008	139.087	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	86.190
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	202571.294	202571.294		ug/L
⌊	Be	9	2.000	-0.000	-0.001900	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	209324.866	209324.866		ug/L
⌊	Be	9	4.000	0.000	0.013115	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	212481.583	212481.583		ug/L
⌊	Be	9	3.000	0.000	0.005003	ug/L

00669

Sample Information

Sample ID: 0B23010-CCV
Autosampler Position: 2
Sample Date/Time: Tuesday, February 23, 2010 09:32:47
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\0B23010-CCV.037
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	220421.241	220421.241				ug/L
⌊	Be	9	5353.394	0.024	39.479996	0.959	2.429	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	91.285
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	211338.837	211338.837		ug/L
⌊	Be	9	5173.928	0.024	39.780981	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	225202.244	225202.244		ug/L
⌊	Be	9	5576.231	0.025	40.244822	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	224724.543	224724.543		ug/L
⌊	Be	9	5310.028	0.024	38.404208	ug/L

99670

Sample Information

Sample ID: 0B23010-CCB
Autosampler Position: 1
Sample Date/Time: Tuesday, February 23, 2010 09:35:12
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\0B23010-CCB.038
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	218916.804	218916.804				ug/L
⌊	Be	9	0.667	-0.000	-0.012879	0.009	68.312	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	90.662
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	218140.008	218140.008		ug/L
⌊	Be	9	0.000	-0.000	-0.017968	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	213426.735	213426.735		ug/L
⌊	Be	9	2.000	0.000	0.002720	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	225183.672	225183.672		ug/L
⌊	Be	9	0.000	-0.000	-0.017968	ug/L

Sample Information

Sample ID: 1002004-11
Autosampler Position: 37
Sample Date/Time: Tuesday, February 23, 2010 09:37:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\1002004-11.039
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
>	Li	6	219065.319	219065.319				ug/L
	Be	9	2.667	0.000	0.001885	0.005	241.169	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
>	Li	6.015	90.723
	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	221736.236	221736.236		ug/L
Be	9	2.000	0.000	0.003291	ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	210417.388	210417.388		ug/L
Be	9	3.000	0.000	0.005226	ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Li	6	225043.351	225043.351		ug/L
Be	9	3.000	0.000	0.003719	ug/L

00672

Sample Information

Sample ID: 1002004-12
Autosampler Position: 38
Sample Date/Time: Tuesday, February 23, 2010 09:39:35
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\1002004-12.040
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	219343.059	219343.059				ug/L
⌊	Be	9	0.667	-0.000	-0.012998	0.009	66.099	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	90.838
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	219299.729	219299.729		ug/L
⌊	Be	9	0.000	-0.000	-0.017958	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	220180.212	220180.212		ug/L
⌊	Be	9	0.000	-0.000	-0.017958	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	218549.237	218549.237		ug/L
⌊	Be	9	2.000	0.000	-0.003077	ug/L

99673

Sample Information

Sample ID: 0B23010-CCV
Autosampler Position: 2
Sample Date/Time: Tuesday, February 23, 2010 09:41:31
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\0B23010-CCV.041
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	235729.085	235729.085				ug/L
⌊	Be	9	5353.394	0.023	36.901982	0.619	1.678	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	97.624
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	230837.980	230837.980		ug/L
⌊	Be	9	5139.900	0.022	36.188252	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	235415.887	235415.887		ug/L
⌊	Be	9	5391.088	0.023	37.219183	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	240933.398	240933.398		ug/L
⌊	Be	9	5529.184	0.023	37.298510	ug/L

00674

Sample Information

Sample ID: 0B23010-CCB
Autosampler Position: 1
Sample Date/Time: Tuesday, February 23, 2010 09:43:56
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\0B23010.sam
Method File: C:\elandata\Method\TriMatrix Aqueous_6020a_114.mth
Dataset File: C:\Elandata\DataSet\0B23010\0B23010-CCB.042
Tuning File: C:\Elandata\Tuning\23FEB2010_6020A_A.tun
Optimization File: C:\Elandata\Optimize\23FEB2010_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈>	Li	6	214862.677	214862.677				ug/L
⌊	Be	9	2.000	-0.000	-0.002995	0.013	422.368	ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈>	Li	6.015	88.983
⌊	Be	9.012	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	219872.999	219872.999		ug/L
⌊	Be	9	4.000	0.000	0.011611	ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	214839.158	214839.158		ug/L
⌊	Be	9	1.000	-0.000	-0.010388	ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈>	Li	6	209775.903	209775.903		ug/L
⌊	Be	9	1.000	-0.000	0.010208	ug/L

99675

TriMatrix Laboratories, Inc.

SulTRAC

Project: Plainwell Mill

SDG: PM011110B

USEPA-7470A

SAMPLE ID SUMMARY

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110B

Client: SulTRAC

Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-SO-56394-CB-011110-003	1002004-01
S-SS-56394-EV-011210-011	1002004-02
S-SO-56394-CB-011210-015	1002004-03
S-SS-56394-EV-011310-021	1002004-04
S-SO-56394-CB-011410-033	1002004-05
SD-SO-56394-CB-011410-033	1002004-06
S-SO-56394-CB-011410-046	1002004-07
S-SO-56394-CB-011410-041	1002004-08
S-SO-56394-DR-011310-1011	1002004-09
S-SO-56394-CB-011310-028	1002004-10
S-SO-56394-CB-011410-040	1002004-11
S-SO-56394-CB-011310-026	1002004-12

00677

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-011110-003

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/11/10 15:35
Solids: 0.00
Laboratory ID: 1002004-01

SDG: PM011110B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/04/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1000992

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.000080	mg/L	1	0.00020	0.000061	J	02/05/10 08:42

00678

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SS-56394-EV-011210-011

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/12/10 11:20
Solids: 0.00
Laboratory ID: 1002004-02

SDG: PM011110B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/23/10 14:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001587

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/24/10 10:01

00679

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-011210-015

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/12/10 16:00
Solids: 0.00
Laboratory ID: 1002004-03

SDG: PM011110B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/04/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1000992

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/05/10 08:57

00688

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SS-56394-EV-011310-021

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 11:35
Solids: 0.00
Laboratory ID: 1002004-04

SDG: PM011110B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/23/10 14:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001587

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/24/10 10:05

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-011410-033

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 09:05
Solids: 0.00
Laboratory ID: 1002004-05

SDG: PM011110B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/23/10 14:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001587

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/24/10 10:10

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

SD-SO-56394-CB-011410-033

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 09:07
Solids: 0.00
Laboratory ID: 1002004-06

SDG: PM011110B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/04/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1000992

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.000080	mg/L	1	0.00020	0.000061	J	02/05/10 09:02

00683

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-011410-046

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 12:25
Solids: 0.00
Laboratory ID: 1002004-07

SDG: PM011110B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/23/10 14:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001587

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/24/10 10:15

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 11:20
Solids: 0.00
Laboratory ID: 1002004-08

SDG: PM011110B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/04/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1000992

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.000079	mg/L	1	0.00020	0.000061	J	02/05/10 09:07

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-DR-011310-1011

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 13:25
Solids: 0.00
Laboratory ID: 1002004-09

SDG: PM011110B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/04/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1000992

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/05/10 09:35

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-011310-028

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 16:30
Solids: 0.00
Laboratory ID: 1002004-10

SDG: PM011110B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/04/10 13:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1000992

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00025	mg/L	1	0.00020	0.000061		02/05/10 09:40

09687

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-011410-040

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 10:25
Solids: 0.00
Laboratory ID: 1002004-11

SDG: PM011110B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/23/10 14:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001587

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/24/10 10:20

00688

INORGANIC ANALYSIS DATA SHEET
USEPA-7470A

S-SO-56394-CB-011310-026

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 15:20
Solids: 0.00
Laboratory ID: 1002004-12

SDG: PM011110B
Project: Plainwell Mill
Preparation: 7470A SPLP Digestion
Prepared: 02/23/10 14:00
Initial/Final: 30 mL / 30 mL
QC Batch: 1001587

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
7439-97-6	Mercury, SPLP	0.00020	mg/L	1	0.00020	0.000061	U	02/24/10 10:35

00589

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B08009

SDG: PM011110B
Project: Plainwell Mill
Instrument: 216
Calibration: 0B08007

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B08009-CAL2	f05wt-a2-007	02/05/10 07:33
Cal Standard	0B08009-CAL3	f05wt-a2-010	02/05/10 07:38
Cal Standard	0B08009-CAL4	f05wt-a2-013	02/05/10 07:43
Cal Standard	0B08009-CAL5	f05wt-a2-016	02/05/10 07:47
Cal Standard	0B08009-CAL6	f05wt-a2-019	02/05/10 07:52
Cal Standard	0B08009-CAL1	f05wt-a2-022	02/05/10 07:58
Secondary Cal Check	0B08009-SCV1	f05wt-a2-025	02/05/10 08:04
Calibration Check	0B08009-CCV1	f05wt-a2-025	02/05/10 08:04
Calibration Blank	0B08009-CCB1	f05wt-a2-028	02/05/10 08:08
MRL Check	0B08009-CRL1	f05wt-a2-031	02/05/10 08:13
Calibration Check	0B08009-CCV2	f05wt-a2-034	02/05/10 08:18
Calibration Blank	0B08009-CCB2	f05wt-a2-037	02/05/10 08:23
Blank	1000992-BLK1	f05wt-a2-040	02/05/10 08:28
LCS	1000992-BS1	f05wt-a2-046	02/05/10 08:38
S-SO-56394-CB-011110-003	1002004-01	f05wt-a2-049	02/05/10 08:42
S-SO-56394-CB-011110-003	1000992-MS1	f05wt-a2-052	02/05/10 08:47
S-SO-56394-CB-011110-003	1000992-MSD1	f05wt-a2-055	02/05/10 08:52
S-SO-56394-CB-011210-015	1002004-03	f05wt-a2-058	02/05/10 08:57
SD-SO-56394-CB-011410-033	1002004-06	f05wt-a2-061	02/05/10 09:02
S-SO-56394-CB-011410-041	1002004-08	f05wt-a2-064	02/05/10 09:07
S-SO-56394-CB-011410-041	1000992-MS2	f05wt-a2-067	02/05/10 09:12
Calibration Check	0B08009-CCV3	f05wt-a2-070	02/05/10 09:17
Calibration Blank	0B08009-CCB3	f05wt-a2-073	02/05/10 09:21
S-SO-56394-CB-011410-041	1000992-MSD2	f05wt-a2-076	02/05/10 09:30
S-SO-56394-DR-011310-1011	1002004-09	f05wt-a2-079	02/05/10 09:35
S-SO-56394-CB-011310-028	1002004-10	f05wt-a2-082	02/05/10 09:40
Calibration Check	0B08009-CCV4	f05wt-a2-103	02/05/10 10:27
Calibration Blank	0B08009-CCB4	f05wt-a2-106	02/05/10 10:32

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B24046

SDG: PM011110B
Project: Plainwell Mill
Instrument: 114
Calibration: 0B24012

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0B24046-CAL1	f24wt-a2-001	02/24/10 07:22
Cal Standard	0B24046-CAL2	f24wt-a2-004	02/24/10 07:26
Cal Standard	0B24046-CAL3	f24wt-a2-007	02/24/10 07:31
Cal Standard	0B24046-CAL4	f24wt-a2-010	02/24/10 07:36
Cal Standard	0B24046-CAL5	f24wt-a2-013	02/24/10 07:41
Cal Standard	0B24046-CAL6	f24wt-a2-016	02/24/10 07:46
Secondary Cal Check	0B24046-SCV1	f24wt-a2-019	02/24/10 07:51
Calibration Check	0B24046-CCV1	f24wt-a2-019	02/24/10 07:51
Calibration Blank	0B24046-CCB1	f24wt-a2-022	02/24/10 07:56
MRL Check	0B24046-CRL1	f24wt-a2-025	02/24/10 08:01
Calibration Check	0B24046-CCV2	f24wt-a2-064	02/24/10 09:04
Calibration Blank	0B24046-CCB2	f24wt-a2-067	02/24/10 09:09
Blank	1001587-BLK1	f24wt-a2-076	02/24/10 09:46
LCS	1001587-BS1	f24wt-a2-082	02/24/10 09:56
S-SS-56394-EV-011210-011	1002004-02	f24wt-a2-085	02/24/10 10:01
S-SS-56394-EV-011310-021	1002004-04	f24wt-a2-088	02/24/10 10:05
S-SO-56394-CB-011410-033	1002004-05	f24wt-a2-091	02/24/10 10:10
S-SO-56394-CB-011410-046	1002004-07	f24wt-a2-094	02/24/10 10:15
S-SO-56394-CB-011410-040	1002004-11	f24wt-a2-097	02/24/10 10:20
Calibration Check	0B24046-CCV3	f24wt-a2-100	02/24/10 10:25
Calibration Blank	0B24046-CCB3	f24wt-a2-103	02/24/10 10:30
S-SO-56394-CB-011310-026	1002004-12	f24wt-a2-106	02/24/10 10:35
Calibration Check	0B24046-CCV4	f24wt-a2-136	02/24/10 11:25
Calibration Blank	0B24046-CCB4	f24wt-a2-139	02/24/10 11:30
Calibration Check	0B24046-CCV5	f24wt-a2-172	02/24/10 12:25
Calibration Blank	0B24046-CCB5	f24wt-a2-175	02/24/10 12:30

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B08009
Instrument ID:216
Control Limt: +/- 10.00%
Calibration: 0B08007

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B08009-CCV1	Mercury	3.00	3.02	101	ug/L	02/05/10 08:04
0B08009-CCV2	Mercury	2.00	2.08	104	ug/L	02/05/10 08:18
0B08009-CCV3	Mercury	2.00	1.97	99	ug/L	02/05/10 09:17
0B08009-CCV4	Mercury	2.00	1.79	90	ug/L	02/05/10 10:27

* Values outside of QC limits

00592

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B24046
Instrument ID: 114
Control Limt: +/- 10.00%
Calibration: 0B24012

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0B24046-CCV1	Mercury	3.00	3.10	103	ug/L	02/24/10 07:51
0B24046-CCV2	Mercury	2.00	2.08	104	ug/L	02/24/10 09:04
0B24046-CCV3	Mercury	2.00	2.02	101	ug/L	02/24/10 10:25
0B24046-CCV4	Mercury	2.00	2.10	105	ug/L	02/24/10 11:25
0B24046-CCV5	Mercury	2.00	2.13	106	ug/L	02/24/10 12:25

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B08009
Instrument: 216
Laboratory ID: 0B08009-SCV1
Calibration: 0B08007

Analyte	Expected	Found	% R	QC Limit	Units
Mercury	3.00	3.02	101	90-110	ug/L

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0B24046
Instrument: 114
Laboratory ID: 0B24046-SCV1
Calibration: 0B24012

Analyte	Expected	Found	% R	QC Limit	Units
Mercury	3.00	3.10	103	90-110	ug/L

* Values outside of QC limits

00695

CRDL STANDARD

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Sequence: 0B08009

SDG: PM011110B

Project: Plainwell Mill

Instrument ID: 216

Calibration: 0B08007

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B08009-CRL1	Mercury	0.200	0.158	79	ug/L	50 - 150

* Values outside of QC limits

CRDL STANDARD

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110B

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0B24046

Instrument ID: 114

Calibration: 0B24012

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0B24046-CRL1	Mercury	0.200	0.197	99	ug/L	50 - 150

* Values outside of QC limits

BLANKS
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B08009

SDG: PM011110B
Project: Plainwell Mill
Instrument ID: 216
Calibration: 0B08007

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B08009-CCB1	Mercury	0.034	0.20	0.061	ug/L	U	02/05/10 08:08
0B08009-CCB2	Mercury	0.052	0.20	0.061	ug/L	U	02/05/10 08:23
0B08009-CCB3	Mercury	0.071	0.20	0.061	ug/L	J	02/05/10 09:21
0B08009-CCB4	Mercury	0.0057	0.20	0.061	ug/L	U	02/05/10 10:32

* Values outside of QC limits

BLANKS
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0B24046

SDG: PM011110B
Project: Plainwell Mill
Instrument ID: 114
Calibration: 0B24012

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0B24046-CCB1	Mercury	-0.00058	0.20	0.061	ug/L	U	02/24/10 07:56
0B24046-CCB2	Mercury	0.025	0.20	0.061	ug/L	U	02/24/10 09:09
0B24046-CCB3	Mercury	0.0085	0.20	0.061	ug/L	U	02/24/10 10:30
0B24046-CCB4	Mercury	0.017	0.20	0.061	ug/L	U	02/24/10 11:30
0B24046-CCB5	Mercury	0.038	0.20	0.061	ug/L	U	02/24/10 12:30

* Values outside of QC limits

QC BATCH SUMMARY
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B

Client: SulTRAC
Project: Plainwell Mill

QC Batch: 1000992
QC Batch Matrix: Soil
Preparation: 7470A SPLP Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000992-BLK1	02/04/10 13:00	
LCS	1000992-BS1	02/04/10 13:00	
S-SO-56394-CB-011110-003	1000992-MS1	02/04/10 13:00	
S-SO-56394-CB-011410-041	1000992-MS2	02/04/10 13:00	
S-SO-56394-CB-011110-003	1000992-MSD1	02/04/10 13:00	
S-SO-56394-CB-011410-041	1000992-MSD2	02/04/10 13:00	
S-SO-56394-CB-011110-003	1002004-01	02/04/10 13:00	
S-SO-56394-CB-011210-015	1002004-03	02/04/10 13:00	
SD-SO-56394-CB-011410-033	1002004-06	02/04/10 13:00	
S-SO-56394-CB-011410-041	1002004-08	02/04/10 13:00	
S-SO-56394-DR-011310-1011	1002004-09	02/04/10 13:00	
S-SO-56394-CB-011310-028	1002004-10	02/04/10 13:00	

QC BATCH SUMMARY
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
QC Batch: 1001587
QC Batch Matrix: Soil
Preparation: 7470A SPLP Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1001587-BLK1	02/23/10 14:00	
LCS	1001587-BS1	02/23/10 14:00	
S-SS-56394-EV-011210-011	1002004-02	02/23/10 14:00	
S-SS-56394-EV-011310-021	1002004-04	02/23/10 14:00	
S-SO-56394-CB-011410-033	1002004-05	02/23/10 14:00	
S-SO-56394-CB-011410-046	1002004-07	02/23/10 14:00	
S-SO-56394-CB-011410-040	1002004-11	02/23/10 14:00	
S-SO-56394-CB-011310-026	1002004-12	02/23/10 14:00	

METHOD BLANK DATA SHEET
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000992-BLK1
File ID: f05wt-a2-040
Prepared: 02/04/10 13:00
Preparation: 7470A SPLP Digestion
Initial/Final: 30 mL / 30 mL
Analyzed: 02/05/10 08:28
Instrument: 216
QC Batch: 1000992
Sequence: 0B08009
Calibration: 0B08007

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7439-97-6	Mercury, SPLP	0.000061	0.00020	0.000069	mg/L	J

METHOD BLANK DATA SHEET
USEPA-7470A

Laboratory:	TriMatrix Laboratories, Inc.			SDG:	PM011110B
Client:	SulTRAC			Project:	Plainwell Mill
Matrix:	Soil	Laboratory ID:	1001587-BLK1	File ID:	f24wt-a2-076
Prepared:	02/23/10 14:00	Preparation:	7470A SPLP Digestion	Initial/Final:	30 mL / 30 mL
Analyzed:	02/24/10 09:46	Instrument:	114		
QC Batch:	1001587	Sequence:	0B24046	Calibration:	0B24012

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
7439-97-6	Mercury, SPLP	0.000061	0.00020	0.00020	mg/L	U

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011110-003

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110B

Project: Plainwell Mill

Preparation: 7470A SPLP Digestion

Initial/Final: 30 mL / 30 mL

Laboratory ID: 1000992-MS1

QC Batch: 1000992

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Mercury, SPLP	0.00200	0.0000803	0.00310	151 *	80 - 120	mg/L

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

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011110-003

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110B

Project: Plainwell Mill

Preparation: 7470A SPLP Digestion

Initial/Final: 30 mL / 30 mL

Laboratory ID: 1000992-MSD1

QC Batch: 1000992

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Mercury, SPLP	0.00200	0.00288	140 *	8	20	80 - 120	mg/L

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

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011410-041

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110B

Project: Plainwell Mill

Preparation: 7470A SPLP Digestion

Initial/Final: 30 mL / 30 mL

Laboratory ID: 1000992-MS2

QC Batch: 1000992

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Mercury, SPLP	0.00200	0.0000790	0.00278	135 *	80 - 120	mg/L

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

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011410-041

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110B

Project: Plainwell Mill

Preparation: 7470A SPLP Digestion

Initial/Final: 30 mL / 30 mL

Laboratory ID: 1000992-MSD2

QC Batch: 1000992

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Mercury, SPLP	0.00200	0.00295	143 *	6	20	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-7470A

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Preparation: 7470A SPLP Digestion
Initial/Final: 30 mL / 30 mL
Laboratory ID: 1000992-BS1
QC Batch: 1000992
Sequence: 0B08009

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Mercury, SPLP	0.00200	0.00199	99	80 - 120	mg/L

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

* Values outside of QC limits

00708

LCS / LCS DUPLICATE RECOVERY

USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

Laboratory ID: 1001587-BS1

SDG: PM011110B

Project: Plainwell Mill

Preparation: 7470A SPLP Digestion

Initial/Final: 30 mL / 30 mL

QC Batch: 1001587

Sequence: 0B24046

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Mercury, SPLP	0.00200	0.00260	130 *	80 - 120	mg/L

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

* Values outside of QC limits

HOLDING TIME SUMMARY
USEPA-7470A

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110B

Client: SulTRAC

Project: Plainwell Mill

Analyte: Mercury

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SO-56394-CB-011110-003	01/11/10	01/14/10	02/02/10	02/04/10	2	NA	02/05/10	3	28	
S-SS-56394-EV-011210-011	01/12/10	01/14/10	02/02/10	02/23/10	21	NA	02/24/10	22	28	
S-SO-56394-CB-011210-015	01/12/10	01/14/10	02/02/10	02/04/10	2	NA	02/05/10	3	28	
S-SS-56394-EV-011310-021	01/13/10	01/14/10	02/02/10	02/23/10	21	NA	02/24/10	22	28	
S-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/23/10	21	NA	02/24/10	22	28	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10	02/02/10	02/04/10	2	NA	02/05/10	3	28	
S-SO-56394-CB-011410-046	01/14/10	01/14/10	02/02/10	02/23/10	21	NA	02/24/10	22	28	
S-SO-56394-CB-011410-041	01/14/10	01/14/10	02/02/10	02/04/10	2	NA	02/05/10	3	28	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10	02/02/10	02/04/10	2	NA	02/05/10	3	28	
S-SO-56394-CB-011310-028	01/13/10	01/14/10	02/02/10	02/04/10	2	NA	02/05/10	3	28	
S-SO-56394-CB-011410-040	01/14/10	01/14/10	02/02/10	02/23/10	21	NA	02/24/10	22	28	
S-SO-56394-CB-011310-026	01/13/10	01/14/10	02/02/10	02/23/10	21	NA	02/24/10	22	28	

00719

Metals, Soil, 7470A SPLP Digestion

Batch comments:

MAS 02/04/10 1:00-3:00PM
INST#218@93.9C#222
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client: Source ID	Client: Spike ID	Client: uL Spike	Comments
1000992-BLK1		Feb-04-10 13:00	MAS	30	30				
1000992-BS1		Feb-04-10 13:00	MAS	30	30		9100898	60	
1000992-MS1		Feb-04-10 13:00	MAS	30	30	1002004-01	9100898	60	
1000992-MS2		Feb-04-10 13:00	MAS	30	30	1002004-08	9100898	60	
1000992-MSD1		Feb-04-10 13:00	MAS	30	30	1002004-01	9100898	60	
1000992-MSD2		Feb-04-10 13:00	MAS	30	30	1002004-08	9100898	60	
1002004-01 *Hg SPLP 7470A*	A 01	Feb-04-10 13:00	MAS	30	30	SulTRAC			
1002004-03 *Hg SPLP 7470A*	A 01	Feb-04-10 13:00	MAS	30	30	SulTRAC			
1002004-06 *Hg SPLP 7470A*	A 01	Feb-04-10 13:00	MAS	30	30	SulTRAC			
1002004-08 *Hg SPLP 7470A*	C 01	Feb-04-10 13:00	MAS	30	30	SulTRAC			
1002004-09 *Hg SPLP 7470A*	A 01	Feb-04-10 13:00	MAS	30	30	SulTRAC			
1002004-10 *Hg SPLP 7470A*	A 01	Feb-04-10 13:00	MAS	30	30	SulTRAC			

Comments:

Analyst Initials:

Metals, Soil, 7470A SPLP Digestion

Batch comments:
MAS 02/23/10 2:00-4:00PM
INST#218@93.9C#222
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client: Source ID	Client: Spike ID	Client: uL Spike	Comments
1001587-BLK1		Feb-23-10 14:00	MAS	30	30				
1001587-BS1		Feb-23-10 14:00	MAS	30	30		9100898	60	
1002004-02	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002004-04	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002004-05	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002004-07	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002004-11	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002004-12	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002038-05	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002038-09	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002038-10	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002038-11	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									
1002038-13	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
Hg SPLP 7470A									

Comments:

Analyst Initials:

Metals, Soil, 7470A SPLP Digestion

Batch comments:
MAS 02/23/10 2:00-4:00PM
INST#218@93.9C#222
HOTBLOCK VESSEL LOT#A909LS164

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1002038-15 *Hg SPLP 7470A*	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
1002038-18 *Hg SPLP 7470A*	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
1002038-20 *Hg SPLP 7470A*	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
1002144-06 *Hg SPLP 7470A*	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
1002144-08 *Hg SPLP 7470A*	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
1002144-09 *Hg SPLP 7470A*	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
1002144-11 *Hg SPLP 7470A*	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
1002144-12 *Hg SPLP 7470A*	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			
1002144-13 *Hg SPLP 7470A*	A 01	Feb-23-10 14:00	MAS	30	30	SulTRAC			

Comments:	Analyst Initials:

2/8 Due 2-8

OB08009 solp Calib OB08007
OB08010 tclp
OB08011 wtr Calib OB08009
OB08019 wtr 245.1

TriMatrix Laboratories, Inc.

Metals Laboratory Instrument Run Sequence Hg Aqueous

Instrument #: 216
Date: 2-5-10
Analyst: KLW
SnCl #: 9120943

Data File: FOSwt-AZ
Calibration BLK/ICB/CCB: 0.5% HNO3 LOT#1109060
Std/SCV prep date/analyst: 1-4-10 /KW

Standards/SCV prepped daily
Autosampler Position:

1. BLK/ICB/CCB/9020503
2. STD1/CRL/0.2 ug/L 9100899
3. STD2/0.5 ug/ L 9100900
4. STD3/1.0 ug/L 9100901
5. STD4/CCV/2.0 ug/L 9100902
6. STD5/5.0 ug/L 9100903
7. SCV/3.0 ug/L 9100904

Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor	Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor
11	1000992-BLK1				45	1000997-BLK1			
12	LOW BS				46	LOW BS			
13	BS1				47	BS1			
14	1002004-01				48	1002051-01			
15	1000992-MS1				wtr 49	1000997-MS1			
16	MSD1				4MD 50	MSD1			
17	1002004-03				51	1002051-02			
18	06				52	03			
19	08				53	04			
20	1000992-MS2				54	05			
21	MSD2				wtr 55	1000998-BLK1			
22	1002004-09				245.1 56	LOW BS			
(23)	1002004-10				57	BS1			
24	1000993-BLK1				58	1001379-01			
25	LOW BS				59	-02			
26	BS1				60	03			
27	~~1001377-01 (2x)~~				61	1000998-MS1			
28	1002011-01				62	MSD1			
29	1000993-MS1				~~63~~	~~1001277-01~~			
30	MSD1				64	63. 1001277-01	5	25	5
31	1002027-01				wtr 65	64. 1000996-BLK1			
32	-02				~~66~~	65. LOW-BS			
33	1002049-01				~~67~~	66. BS1			
34	02				~~68~~	67. 1002032-01			
35	1002052-01				~~69~~				
(36)	02				70				
37	1000995-BLK1				71				
38	LOW BS				72				
39	BS1				73				
40	1002044-01				74				
41	1000996-BLK1				75				
42	LOW-BS				76				
43	BS1				77				
44	1002032-01				78				

solp sample 1MD

tclp waste

Calibration Report -

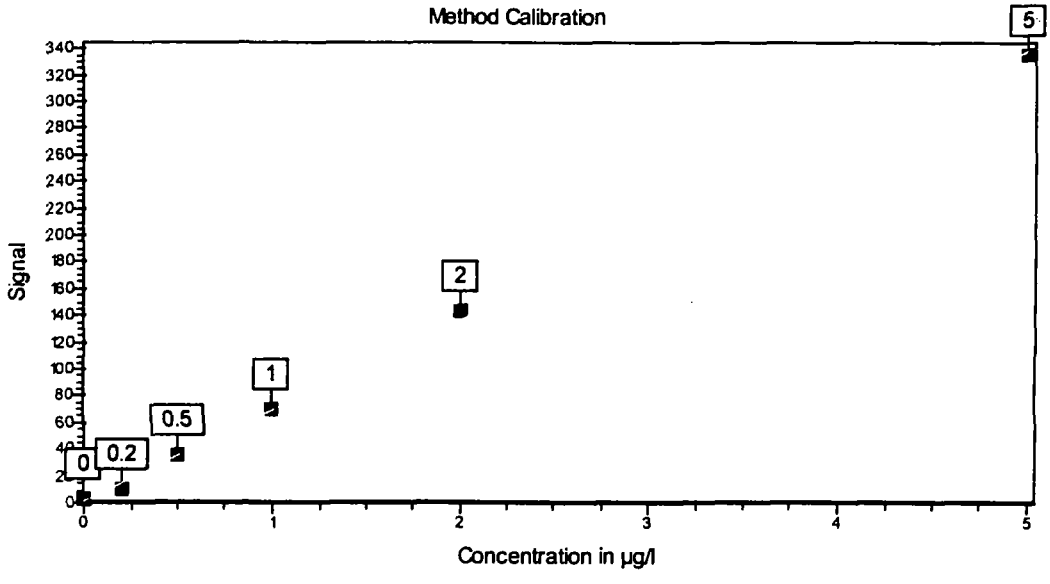
General Details

Measured By :

Calibration #:	Calibration 1
Fit Type :	Least Squares
Unit :	µg/l
Slope :	67.324104
Y Intercept :	2.148626
Correlation Coefficient :	0.999490
Reslope %:	

Definition of Standards

Include	*Pos*	*Runs*	*Conc*	*Pk Ht*	*Pk Area*	*Res %*	*Res Conc*	*Date/Time*
No	1	2	0.000	9.449375	202.846451	0.000000	0.084938	05 Feb 2010 07:28
Yes	2	2	0.200	10.807525	128.466248	-35.692436	-0.071385	05 Feb 2010 07:33
Yes	3	2	0.500	35.225109	636.618530	-1.739553	-0.008698	05 Feb 2010 07:38
Yes	4	2	1.000	69.670860	1167.299072	0.294292	0.002943	05 Feb 2010 07:43
Yes	5	2	2.000	143.927032	2204.245850	5.295427	0.105909	05 Feb 2010 07:47
Yes	6	2	5.000	336.128235	5418.583984	-0.784537	-0.039227	05 Feb 2010 07:52
Yes	1	2	0.000	2.852702	-153.524902	0.000000	0.010458	05 Feb 2010 07:58



KLV

00715

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f05wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
1	2	Cal	0.000		0.000	3.2152	-27.9947	0.1335	2.3052	71.70	---	---		D	TriMatrix Mercury	05 Feb 2010 07:22
---	1/2	---	---	---	0.000	4.8452	107.5331	-0.5106	---	---	---	---			TriMatrix Mercury	05 Feb 2010 07:20
---	2/2	---	---	---	0.000	1.5852	-183.5226	0.7776	---	---	---	---			TriMatrix Mercury	05 Feb 2010 07:22
1	2	Cal	0.000	newcal	0.000	9.4494	202.8465	0.4449	0.2909	3.08	---	---	I,N	C1	TriMatrix Mercury	05 Feb 2010 07:28
---	1/2	---	---	---	0.000	9.2437	167.1748	0.2303	---	---	---	---		D	TriMatrix Mercury	05 Feb 2010 07:26
---	2/2	---	---	---	0.000	9.6550	238.5181	0.6595	---	---	---	---		D	TriMatrix Mercury	05 Feb 2010 07:28
2	2	Cal	0.200		0.200	10.8075	128.4662	-0.7930	4.6698	43.21	---	---		C1	TriMatrix Mercury	05 Feb 2010 07:33
---	1/2	---	---	---	0.200	7.5055	54.4450	-1.5544	---	---	---	---		C1	TriMatrix Mercury	05 Feb 2010 07:31
---	2/2	---	---	---	0.200	14.1096	202.4875	-0.0316	---	---	---	---		C1	TriMatrix Mercury	05 Feb 2010 07:33
3	2	Cal	0.500		0.500	35.2251	638.6185	0.7009	2.5191	7.15	---	---		C1	TriMatrix Mercury	05 Feb 2010 07:38
---	1/2	---	---	---	0.500	33.4438	736.7230	2.8187	---	---	---	---		C1	TriMatrix Mercury	05 Feb 2010 07:35
---	2/2	---	---	---	0.500	37.0064	536.5141	-1.4169	---	---	---	---		C1	TriMatrix Mercury	05 Feb 2010 07:38
4	2	Cal	1.000		1.000	69.6709	1167.2991	-0.5526	0.3917	0.56	---	---		C1	TriMatrix Mercury	05 Feb 2010 07:43
---	1/2	---	---	---	1.000	69.9477	1077.8512	-1.0946	---	---	---	---		C1	TriMatrix Mercury	05 Feb 2010 07:40
---	2/2	---	---	---	1.000	69.3940	1256.7471	-0.0107	---	---	---	---		C1	TriMatrix Mercury	05 Feb 2010 07:43
5	2	Cal	2.000		2.000	143.9270	2204.2458	-3.8402	4.1911	2.91	---	---		C1	TriMatrix Mercury	05 Feb 2010 07:47
---	1/2	---	---	---	2.000	140.9632	2170.8721	-1.2853	---	---	---	---		C1	TriMatrix Mercury	05 Feb 2010 07:45
---	2/2	---	---	---	2.000	146.8908	2237.6196	-6.3950	---	---	---	---		C1	TriMatrix Mercury	05 Feb 2010 07:47
6	2	Cal	5.000		5.000	336.1282	5418.5840	-2.0751	2.4895	0.74	---	---		C1	TriMatrix Mercury	05 Feb 2010 07:52
---	1/2	---	---	---	5.000	337.8908	5546.8569	-2.9970	---	---	---	---		C1	TriMatrix Mercury	05 Feb 2010 07:50
---	2/2	---	---	---	5.000	334.3657	5290.3115	-1.1532	---	---	---	---		C1	TriMatrix Mercury	05 Feb 2010 07:52
1	2	Cal	0.000		0.000	2.8527	-153.5249	-0.8593	0.2411	8.45	---	---		C1	TriMatrix Mercury	05 Feb 2010 07:58
---	1/2	---	---	---	0.000	2.6822	13.2757	1.1657	---	---	---	---		C1	TriMatrix Mercury	05 Feb 2010 07:56
---	2/2	---	---	---	0.000	3.0232	-320.3255	-2.8843	---	---	---	---		C1	TriMatrix Mercury	05 Feb 2010 07:58
7	2	Sample	scv		3.015	205.1407	3317.3040	-0.7249	0.0192	0.64	1.00	---		C1	TriMatrix Mercury	05 Feb 2010 08:04
---	1/2	---	---	---	3.029	206.0550	3442.0557	0.0669	---	---	1.00	---		C1	TriMatrix Mercury	05 Feb 2010 08:01
---	2/2	---	---	---	3.002	204.2265	3192.5520	-1.5167	---	---	1.00	---		C1	TriMatrix Mercury	05 Feb 2010 08:04
1	2	Sample	ccb		0.034	4.4626	63.3343	1.1916	0.0037	10.68	1.00	---		C1	TriMatrix Mercury	05 Feb 2010 08:08
---	1/2	---	---	---	0.032	4.2878	-59.7655	-0.1636	---	---	1.00	---		C1	TriMatrix Mercury	05 Feb 2010 08:06
---	2/2	---	---	---	0.037	4.6374	186.4342	2.5668	---	---	1.00	---		C1	TriMatrix Mercury	05 Feb 2010 08:08
2	2	Sample	crl		0.158	12.7703	60.4082	1.8453	0.0709	44.94	1.00	---		C1	TriMatrix Mercury	05 Feb 2010 08:13
---	1/2	---	---	---	0.108	9.3949	-146.4321	3.2002	---	---	1.00	---		C1	TriMatrix Mercury	05 Feb 2010 08:11
---	2/2	---	---	---	0.208	16.1456	267.2484	0.4905	---	---	1.00	---		C1	TriMatrix Mercury	05 Feb 2010 08:13

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f05wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
5	2	Sample	ccv		2.075	141.8607	2480.9417	1.3958	0.1176	5.67	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 08:18
—	1/2	—	—	—	2.158	147.4607	2673.4092	2.4730	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 08:16
—	2/2	—	—	—	1.992	136.2608	2288.4741	0.3186	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 08:18
1	2	Sample	ccb		0.052	5.6783	-96.9839	-3.9598	0.0582	111.08	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 08:23
—	1/2	—	—	—	0.094	8.4507	-152.9000	-7.7233	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 08:20
—	2/2	—	—	—	0.011	2.9058	-41.0678	-0.1964	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 08:23
11	2	Sample	1000992-blk1		0.069	6.7904	97.9473	0.3251	0.0505	73.18	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 08:28
—	1/2	—	—	—	0.105	9.1924	328.7576	2.9657	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 08:25
—	2/2	—	—	—	0.033	4.3885	-132.8631	-2.3155	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 08:28
12	2	Sample	low bs		0.545	38.8301	770.7017	2.4108	0.0738	13.55	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 08:33
—	1/2	—	—	—	0.597	42.3437	821.8113	3.7287	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 08:30
—	2/2	—	—	—	0.493	35.3166	719.5922	1.0930	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 08:33
13	2	Sample	1000992-bs1		1.988	135.9620	2086.3364	-3.2815	0.1830	9.21	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 08:38
—	1/2	—	—	—	2.117	144.6726	2204.3123	-7.2213	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 08:35
—	2/2	—	—	—	1.858	127.2514	1968.3605	0.6583	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 08:38
14	2	Sample	1002004-01		0.080	7.5535	11.1755	-2.7898	0.0426	53.11	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 08:42
—	1/2	—	—	—	0.050	5.5238	-17.2226	-0.8527	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 08:40
—	2/2	—	—	—	0.110	9.5833	39.5736	-4.7269	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 08:42
15	2	Sample	1000992-ms1		3.101	210.9298	3386.4441	-4.1423	0.0647	2.09	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 08:47
—	1/2	—	—	—	3.055	207.8492	3420.9641	-0.3376	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 08:45
—	2/2	—	—	—	3.147	214.0105	3351.9243	-7.9469	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 08:47
16	2	Sample	1000992-msd1		2.876	195.7508	3100.1340	-3.7036	0.0398	1.38	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 08:52
—	1/2	—	—	—	2.848	193.8579	3182.2407	-1.3800	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 08:50
—	2/2	—	—	—	2.904	197.6436	3018.0271	-6.0272	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 08:52
17	2	Sample	1002004-03		0.026	3.9084	-14.9425	-0.0593	0.0493	188.76	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 08:57
—	1/2	—	—	—	-0.009	1.5596	-172.8565	0.2471	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 08:54
—	2/2	—	—	—	0.061	6.2573	142.9715	-0.3657	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 08:57
18	2	Sample	1002004-06		0.080	7.5562	91.3089	1.6859	0.0440	54.83	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:02
—	1/2	—	—	—	0.049	5.4596	-36.3031	2.9036	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 08:59
—	2/2	—	—	—	0.111	9.6529	218.9209	0.4683	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:02
19	2	Sample	1002004-08		0.079	7.4653	46.3663	-1.2056	0.0537	68.06	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:07
—	1/2	—	—	—	0.041	4.9066	-143.6168	-2.8550	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:04
—	2/2	—	—	—	0.117	10.0240	236.3493	0.4439	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:07

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f05wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
20	2	Sample	1000992-ms2		2.779	189.2127	3071.0137	-0.7064	0.0973	3.50	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:12
—	1/2	—	—	—	2.710	184.5806	3120.3062	-0.5524	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:09
—	2/2	—	—	—	2.847	193.8448	3021.7212	-0.8604	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:12
5	2	Sample	ccv		1.974	135.0201	2155.9192	-1.7323	0.0009	0.05	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:17
—	1/2	—	—	—	1.974	135.0358	2202.3240	-1.5460	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:14
—	2/2	—	—	—	1.973	135.0044	2109.5144	-1.9185	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:17
1	2	Sample	ccb		0.071	6.9379	50.2536	-0.5676	0.0752	105.72	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:21
—	1/2	—	—	—	0.018	3.3575	-297.8603	-3.3060	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:19
—	2/2	—	—	—	0.124	10.5183	398.3875	2.1708	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:21
21	2	Sample	1000992-msd2		2.946	200.5020	3556.4722	3.4267	0.0316	1.07	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:30
—	1/2	—	—	—	2.969	202.0069	3577.9026	4.1983	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:28
—	2/2	—	—	—	2.924	198.9971	3535.0415	2.6551	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:30
22	2	Sample	1002004-09		0.028	4.0121	88.6814	0.8438	0.0631	228.12	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:35
—	1/2	—	—	—	-0.017	1.0063	-70.4593	0.2784	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:33
—	2/2	—	—	—	0.072	7.0179	247.8221	1.4092	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:35
23	2	Sample	1002004-10		0.246	18.7143	223.6880	-0.0946	0.0866	35.20	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:40
—	1/2	—	—	—	0.307	22.8375	328.9324	-0.5313	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:38
—	2/2	—	—	—	0.185	14.5912	118.4437	0.3422	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:40
24	2	Sample	1000993-blk1		0.072	6.9858	17.8665	-2.9609	0.0827	115.12	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:45
—	1/2	—	—	—	0.130	10.9234	85.7645	-4.4907	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:42
—	2/2	—	—	—	0.013	3.0482	-50.0315	-1.4311	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:45
25	2	Sample	low bs		0.579	41.1327	504.9489	-3.3064	0.0663	11.45	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:50
—	1/2	—	—	—	0.626	44.2877	498.8641	-6.9987	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:47
—	2/2	—	—	—	0.532	37.9777	511.0338	0.3859	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:50
26	2	Sample	1000993-bs1		2.182	149.0454	2358.7805	-0.8215	0.0437	2.00	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:55
—	1/2	—	—	—	2.151	146.9663	2352.0151	-2.0520	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:52
—	2/2	—	—	—	2.213	151.1246	2365.5459	0.4090	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 09:55
28	2	Sample	1002011-01		0.027	3.9432	39.3359	1.3068	0.0300	112.41	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:12
—	1/2	—	—	—	0.048	5.3696	189.8545	3.0117	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:10
—	2/2	—	—	—	0.005	2.5168	-111.1826	-0.3982	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:12
29	2	Sample	1000993-ms1		1.909	130.6636	2132.3572	-3.2267	0.0364	1.91	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:17
—	1/2	—	—	—	1.935	132.3974	2295.9526	-0.3059	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:15
—	2/2	—	—	—	1.883	128.9299	1968.7616	-6.1475	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:17

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f05wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
30	2	Sample	1000993-msd1		1.958	133.9598	2235.7866	0.2757	0.0461	2.35	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:22
—	1/2	—	—	—	1.925	131.7658	2185.3816	1.0507	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:20
—	2/2	—	—	—	1.990	136.1538	2286.1917	-0.4994	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:22
5	2	Sample	ccv		1.792	122.7656	2009.9286	0.8484	0.1280	7.15	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:27
—	1/2	—	—	—	1.701	116.6700	1923.9418	1.0369	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:25
—	2/2	—	—	—	1.882	128.8611	2095.9155	0.6600	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:27
1	2	Sample	ccb		0.006	2.5349	-118.3109	-0.0792	0.0244	424.95	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:32
—	1/2	—	—	—	-0.012	1.3741	-203.7713	-0.6143	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:29
—	2/2	—	—	—	0.023	3.6957	-32.8504	0.4560	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:32
31	2	Sample	1002027-01		0.048	5.3783	-50.4957	-1.4428	0.0221	46.07	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:39
—	1/2	—	—	—	0.064	6.4303	-12.7519	-2.1177	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:36
—	2/2	—	—	—	0.032	4.3262	-88.2394	-0.7679	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:39
32	2	Sample	1002027-02		-0.007	1.6614	-66.6946	0.4057	0.0075	-103.13	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:44
—	1/2	—	—	—	-0.002	2.0167	34.6881	1.7804	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:41
—	2/2	—	—	—	-0.013	1.3060	-168.0773	-0.9690	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:44
33	2	Sample	1002049-01		0.438	31.6595	422.8025	-0.9760	0.0307	7.00	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:49
—	1/2	—	—	—	0.460	33.1205	550.6780	-0.3618	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:46
—	2/2	—	—	—	0.417	30.1985	294.9270	-1.5903	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:49
34	2	Sample	1002049-02		0.030	4.1545	77.1840	1.1199	0.0521	174.74	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:54
—	1/2	—	—	—	0.067	6.6331	231.2178	1.5932	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:51
—	2/2	—	—	—	-0.007	1.6760	-76.8497	0.6485	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:54
35	2	Sample	1002052-01		0.083	7.7281	12.6227	-2.5628	0.0538	64.89	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:59
—	1/2	—	—	—	0.121	10.2884	47.5324	-3.8397	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:56
—	2/2	—	—	—	0.045	5.1679	-22.2870	-1.2859	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 10:59
36	2	Sample	1002052-02		0.550	39.1481	683.3046	1.0019	0.1256	22.85	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 11:04
—	1/2	—	—	—	0.461	33.1704	576.5661	1.2171	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 11:01
—	2/2	—	—	—	0.638	45.1258	790.0430	0.7867	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 11:04
37	2	Sample	1000995-blk1		0.134	11.1573	106.1952	-1.6470	0.0468	35.00	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 11:09
—	1/2	—	—	—	0.101	8.9281	-109.2339	-4.0516	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 11:06
—	2/2	—	—	—	0.167	13.3866	321.6242	0.7577	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 11:09
38	2	Sample	low bs		0.442	31.8931	528.7489	0.2211	0.0688	15.56	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 11:14
—	1/2	—	—	—	0.393	28.6194	464.5066	0.5582	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 11:11
—	2/2	—	—	—	0.490	35.1668	592.9913	-0.1160	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 11:14

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f05wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
39	2	Sample	1000995-bs1		21.358	1440.0787	49969.3125	0.4310	—	—	1.00	Over Range		C1	TriMatrix Mercury	05 Feb 2010 11:16
—	1/2	—	—	—	21.358	1440.0787	49969.3125	0.4310	—	—	1.00	Over Range		C1	TriMatrix Mercury	05 Feb 2010 11:16
40	2	Sample	4002044-01		2.922	198.8478	-10294.2861	-72.6109	4.0570	138.86	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 11:21
—	1/2	—	—	—	5.790	391.9831	-19777.9316	-139.5092	—	—	1.00	Extrapolated		C1	TriMatrix Mercury	05 Feb 2010 11:18
—	2/2	—	—	—	0.053	5.7126	-810.6398	-5.7126	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 11:21
5	2	Sample	ccv		1.910	130.7510	1995.1847	-2.7903	0.0546	2.86	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 11:26
—	1/2	—	—	—	1.872	128.1511	1816.3190	-3.8155	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 11:23
—	2/2	—	—	—	1.949	133.3508	2174.0503	-1.7651	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 11:26
1	2	Sample	ccb		0.014	3.1153	-79.1897	-0.8071	0.0264	183.86	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 11:31
—	1/2	—	—	—	-0.004	1.8585	-225.9601	-1.6918	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 11:28
—	2/2	—	—	—	0.033	4.3721	67.5808	0.0775	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 11:31
45	2	Sample	1000997-blk1		0.101	8.9299	107.8375	-0.4965	0.0568	56.44	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 11:57
—	1/2	—	—	—	0.141	11.6360	41.5024	-0.9497	—	—	1.00	—	W	C1	TriMatrix Mercury	05 Feb 2010 11:55
—	2/2	—	—	—	0.061	6.2237	174.1727	-0.0433	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 11:57
46	2	Sample	low bs		0.512	36.6307	674.5591	-0.5494	0.0187	3.65	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:02
—	1/2	—	—	—	0.499	35.7417	654.9288	0.4556	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:00
—	2/2	—	—	—	0.525	37.5197	694.1896	-1.5543	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:02
47	2	Sample	1000997-bs1		1.909	130.6677	2097.5164	0.0241	0.0994	5.21	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:07
—	1/2	—	—	—	1.839	125.9340	1978.9813	-1.5714	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:05
—	2/2	—	—	—	1.979	135.4015	2216.0515	1.6196	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:07
48	2	Sample	1002051-01		0.028	4.0217	18.4513	-0.4746	0.0185	66.67	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:12
—	1/2	—	—	—	0.015	3.1386	38.0588	0.5444	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:10
—	2/2	—	—	—	0.041	4.9048	-1.1563	-1.4936	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:12
49	2	Sample	1000997-ms1		1.976	135.1949	2252.8853	0.1606	0.0855	4.33	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:17
—	1/2	—	—	—	2.037	139.2665	2412.9185	1.0366	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:15
—	2/2	—	—	—	1.916	131.1232	2092.8521	-0.7153	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:17
50	2	Sample	1000997-msd1		3.863	262.2190	4273.4263	-1.5720	0.0827	2.14	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:22
—	1/2	—	—	—	3.921	266.1569	4348.9863	-0.1634	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:20
—	2/2	—	—	—	3.804	258.2812	4197.8667	-2.9807	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:22
51	2	Sample	1002051-02		0.017	3.2684	-54.0777	1.3409	0.0215	129.01	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:27
—	1/2	—	—	—	0.001	2.2469	-245.2030	0.1717	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:25
—	2/2	—	—	—	0.032	4.2900	137.0476	2.5101	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:27
52	2	Sample	1002051-03		0.077	7.3415	232.8118	1.5836	0.0305	39.60	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:32

Redigest

Double spike?

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f05wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
—	1/2	—	—	—	0.056	5.8873	80.9197	-0.1342	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:30
—	2/2	—	—	—	0.099	8.7956	384.7039	3.3013	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:32
5	2	Sample	ccv		1.829	125.2900	2013.0750	-0.1713	0.1298	7.09	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:37
—	1/2	—	—	—	1.921	131.4669	2205.3984	0.7498	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:35
—	2/2	—	—	—	1.737	119.1131	1820.7513	-1.0924	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:37
1	2	Sample	ccb		0.063	6.4178	-66.2248	-4.5036	0.0969	152.74	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:42
—	1/2	—	—	—	-0.005	1.8069	-122.3098	-1.8069	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:40
—	2/2	—	—	—	0.132	11.0288	-10.1399	-7.2003	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:42
53	2	Sample	1002051-04		-0.011	1.4366	-107.9119	0.0208	0.0024	-22.94	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:50
—	1/2	—	—	—	-0.009	1.5521	-148.5127	0.1167	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:47
—	2/2	—	—	—	-0.012	1.3210	-67.3111	-0.0751	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:50
54	2	Sample	1002051-05		0.044	5.1361	77.8667	1.4552	0.0013	2.96	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:55
—	1/2	—	—	—	0.043	5.0736	59.8327	1.6166	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:53
—	2/2	—	—	—	0.045	5.1986	95.9007	1.2938	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:55
55	2	Sample	1000998-blk1		0.007	2.6428	-13.9369	0.3268	0.0187	254.63	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:00
—	1/2	—	—	—	0.021	3.5326	0.4600	-0.4980	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 12:58
—	2/2	—	—	—	-0.006	1.7530	-28.3339	1.1515	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:00
56	2	Sample	low bs		0.524	37.4598	567.3349	-2.5571	0.0670	12.77	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:05
—	1/2	—	—	—	0.572	40.6483	634.7178	-5.0946	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:03
—	2/2	—	—	—	0.477	34.2712	499.9521	-0.0196	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:05
57	2	Sample	1000998-bs1		1.934	132.3813	2160.2122	1.1002	0.1148	5.93	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:10
—	1/2	—	—	—	1.853	126.9181	1896.1519	0.6024	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:08
—	2/2	—	—	—	2.016	137.8446	2424.2727	1.5979	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:10
58	2	Sample	1001379-01		0.648	45.7808	646.6545	0.6173	0.0187	2.89	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:15
—	1/2	—	—	—	0.661	46.6708	694.6386	-0.3009	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:13
—	2/2	—	—	—	0.635	44.8908	598.6703	1.5356	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:15
59	2	Sample	1001379-02		0.058	6.0683	70.0465	-0.2763	0.0030	5.10	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:20
—	1/2	—	—	—	0.060	6.2097	140.8248	0.4760	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:18
—	2/2	—	—	—	0.056	5.9269	-0.7317	-1.0285	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:20
60	2	Sample	1001379-03		0.044	5.1132	82.8996	1.9388	0.0461	104.62	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:26
—	1/2	—	—	—	0.077	7.3063	219.9947	2.7288	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:23
—	2/2	—	—	—	0.011	2.9201	-54.1955	1.1489	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:26
61	2	Sample	1000998-ms1		1.922	131.5333	2114.4688	-1.6036	0.0399	2.08	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:31

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f05wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
—	1/2	—	—	—	1.950	133.4351	2201.4304	0.5232	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:28
—	2/2	—	—	—	1.894	129.6316	2027.5070	-3.7304	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:31
62	2	Sample	1000998-msd1		2.007	137.2356	2304.9363	1.2134	0.0062	0.31	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:36
—	1/2	—	—	—	2.002	136.9408	2395.8398	3.3788	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:33
—	2/2	—	—	—	2.011	137.5305	2214.0327	-0.9520	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:36
5	2	Sample	ccv		1.955	133.7867	2206.8259	0.4866	0.0190	0.97	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:45
—	1/2	—	—	—	1.969	134.6928	2279.0862	0.3208	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:42
—	2/2	—	—	—	1.942	132.8806	2134.5657	0.6524	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:45
1	2	Sample	ccb		0.047	5.2842	10.7970	0.4912	0.0070	14.95	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:50
—	1/2	—	—	—	0.051	5.6157	-11.2416	0.6730	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:47
—	2/2	—	— 3 KW 2-8-10	—	0.042	4.9527	32.8355	0.3095	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:50
63	2	Sample	1001277-01 5x		1.346	92.7609	1475.4111	-1.8271	0.0787	5.85	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:55
—	1/2	—	—	—	1.402	96.5080	1574.8606	-2.3695	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:52
—	2/2	—	—	—	1.290	89.0139	1375.9615	-1.2847	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:55
5	2	Sample	ccv		1.916	131.1125	2126.7998	0.0243	0.0734	3.83	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 14:00
—	1/2	—	—	—	1.864	127.6167	2097.0383	1.2413	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 13:57
—	2/2	—	—	—	1.967	134.6084	2156.5615	-1.1927	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 14:00
1	2	Sample	ccb		0.035	4.5164	-297.0797	-4.5021	0.0786	223.59	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 14:05
—	1/2	—	—	—	0.091	8.2599	-469.5138	-8.2599	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 14:02
—	2/2	—	—	—	-0.020	0.7729	-124.6456	-0.7442	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 14:05
23	2	Sample	1002004-10		0.300	22.3691	282.0322	-1.2244	0.0060	2.00	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 14:21
—	1/2	—	—	—	0.305	22.6557	328.2592	-1.4182	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 14:19
—	2/2	—	—	—	0.296	22.0825	235.8053	-1.0325	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 14:21
38	2	Sample	1002052-02		0.639	45.1930	803.0231	0.0899	0.0992	15.52	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 14:26
—	1/2	—	—	—	0.710	49.9158	1113.7568	2.7499	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 14:24
—	2/2	—	—	—	0.569	40.4701	492.2893	-2.5701	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 14:26
64	2	Sample	1000998-blk1		0.074	7.1288	199.2411	1.6721	0.0807	109.11	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 14:32
—	1/2	—	—	—	0.131	10.9710	383.8005	3.2276	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 14:29
—	2/2	—	—	—	0.017	3.2866	14.6816	0.1166	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 14:32
65	2	Sample	low bs		0.443	32.0008	503.5660	0.3418	0.0116	2.61	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 14:37
—	1/2	—	—	—	0.452	32.5518	440.9704	-1.4848	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 14:34
—	2/2	—	—	—	0.435	31.4498	566.1616	2.1683	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 14:37
66	2	Sample	1000998-bs1		2.101	143.5918	2445.6648	1.3413	0.1158	5.51	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 14:42

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f05wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
—	1/2	—	—	—	2.183	149.1028	2797.8979	4.8657	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 14:39
—	2/2	—	—	—	2.019	138.0807	2093.4316	-2.1832	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 14:42
67	2	Sample	1002032-01		0.411	29.7961	449.7459	1.7529	0.0173	4.20	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 14:47
—	1/2	—	—	—	0.423	30.6178	321.8079	0.4843	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 14:44
—	2/2	—	—	—	0.398	28.9744	577.6839	3.0216	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 14:47
5	2	Sample	ccv		1.961	134.1595	2169.0212	0.1875	0.1237	6.31	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 14:52
—	1/2	—	—	—	1.873	128.2692	1945.5331	-0.6101	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 14:49
—	2/2	—	—	—	2.048	140.0498	2392.5093	0.9850	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 14:52
1	2	Sample	ccb		0.061	6.2538	191.5117	2.0948	0.0768	125.90	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 14:57
—	1/2	—	—	—	0.007	2.5992	-18.4243	0.6884	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 14:54
—	2/2	—	—	—	0.115	9.9085	401.4478	3.5012	—	—	1.00	—		C1	TriMatrix Mercury	05 Feb 2010 14:57

2/25 due 2/25

TriMatrix Laboratories, Inc.

tclp 0B24045
sp'p 0B24046 cal ID:
wtr 0B24047 0B24012

Metals Laboratory Instrument Run Sequence Hg Aqueous

Instrument #: 216
Date: 2-24-10
Analyst: DSL
SnCl #: 9120943

Data File: F24wt92
Calibration BLK/ICB/CCB: 0.5% HNO3 LOT#1109060
Std/SCV prep date/analyst: DSL 2-23-10

Standards/SCV prepped daily
Autosampler Position:

1. BLK/ICB/CCB/9020503
2. STD1/CRL/0.2 ug/L 9100899
3. STD2/0.5 ug/ L 9100900
4. STD3/1.0 ug/L 9100901
5. STD4/CCV/2.0 ug/L 9100902
6. STD5/5.0 ug/L 9100903
7. SCV/3.0 ug/L 9100904

Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor	Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor
11	1001586-blk1				45	1002144-13			
12	lowbs				46	1001588-blk1			
13	bs1				47	lowbs			
14	1002246-01				48	bs1			
15	-04				49	1002144-15			
16	-05				50	1001589-blk1			
17	1002247-01				51	lowbs			
18	-02				52	bs1			
19	-03				53	1002241-01			
20	1002251-01				54	-02			
21	MS1				55	-03			
22	MSD1				56	-04			
23	1001587-blk1				57	-05			
24	lowbs				58	-06			
25	bs1				59	-07			
26	1002004-02				60	-08			
27	-04				61	-09			
28	-05				62	-10			
29	-07				63	-11			
30	-11				64	-12			
31	-12				65	-13			
32	1002038-05				66	-14			
33	-09				67	1002265-01			
34	-10				68	-02			
35	-11				69	-03			
36	-13				70	-04			
37	-15				71	MS1			
38	-18				72	MSD1			
39	-20				73	-05			
40	1002144-06				74	-06			
41	-08				75				
42	-09				76				
43	-11				77				
44	-12				78				

tclp wst

sp'p soil

wtr

sp'p soil

Calibration Report -

General Details

Measured By :

Calibration #: Default

Fit Type : Least Squares

Unit : µg/l

Slope : 59.617680

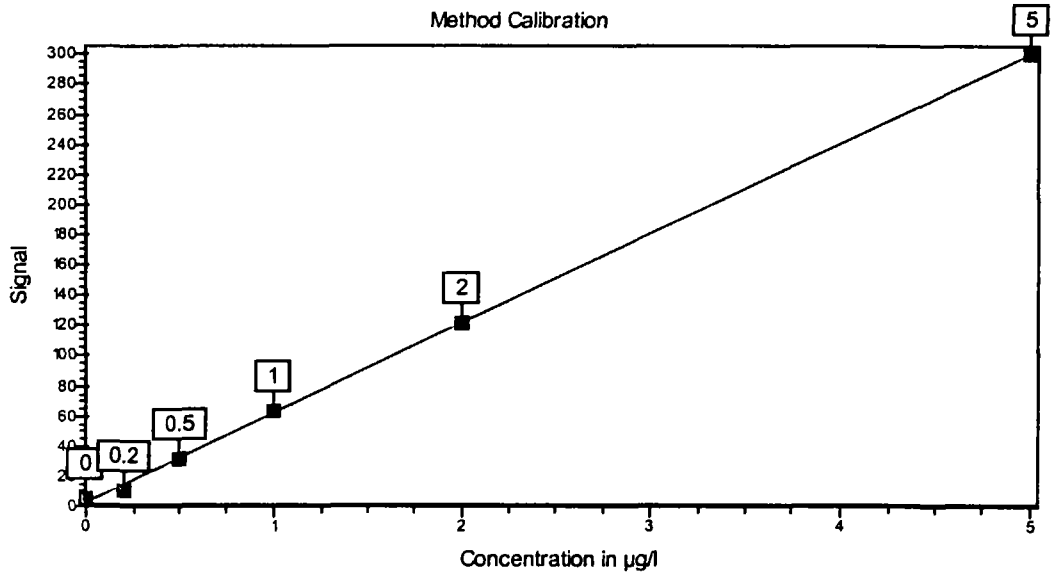
Y Intercept : 2.370774

Correlation Coefficient : 0.999850

Reslope %:

Definition of Standards

Include	*Pos*	*Runs*	*Conc*	*Pk Ht*	*Pk Area*	*Res %*	*Res Conc*	*Date/Time*
Yes	1	2	0.00	4.790260	203.348526	0.000000	0.040583	24 Feb 2010 07:22
Yes	2	2	0.20	10.970352	116.742065	-27.877283	-0.055755	24 Feb 2010 07:26
Yes	3	2	0.50	31.652922	486.605194	-1.766899	-0.008834	24 Feb 2010 07:31
Yes	4	2	1.00	63.053497	1118.731812	1.786456	0.017865	24 Feb 2010 07:36
Yes	5	2	2.00	122.261978	1934.834351	0.550042	0.011001	24 Feb 2010 07:41
Yes	6	2	5.00	300.169464	4911.672852	-0.097189	-0.004859	24 Feb 2010 07:46



Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f24wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
1	2	Cal	0.00		0.000	4.7903	203.3485	2.4343	1.7417	36.36	—	—		D	TriMatrix Mercury	24 Feb 2010 07:22
—	1/2	—	—	—	0.000	6.0218	242.1943	1.9134	—	—	—	—			TriMatrix Mercury	24 Feb 2010 07:19
—	2/2	—	—	—	0.000	3.5587	164.5027	2.9552	—	—	—	—			TriMatrix Mercury	24 Feb 2010 07:22
2	2	Cal	0.20		0.200	10.9704	116.7421	0.7180	2.8480	25.96	—	—		D	TriMatrix Mercury	24 Feb 2010 07:26
—	1/2	—	—	—	0.200	12.9842	141.1090	-0.0760	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:24
—	2/2	—	—	—	0.200	8.9565	92.3751	1.5121	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:26
3	2	Cal	0.50		0.500	31.6529	486.6052	-0.7889	2.7840	8.80	—	—		D	TriMatrix Mercury	24 Feb 2010 07:31
—	1/2	—	—	—	0.500	33.6215	622.6989	0.3504	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:29
—	2/2	—	—	—	0.500	29.6843	350.5115	-1.9282	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:31
4	2	Cal	1.00		1.000	63.0535	1118.7318	2.6886	1.9788	3.14	—	—		D	TriMatrix Mercury	24 Feb 2010 07:36
—	1/2	—	—	—	1.000	64.4526	1178.1458	3.3019	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:34
—	2/2	—	—	—	1.000	61.6544	1059.3180	2.0753	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:36
5	2	Cal	2.00		2.000	122.2620	1934.8344	0.2090	0.3505	0.29	—	—		D	TriMatrix Mercury	24 Feb 2010 07:41
—	1/2	—	—	—	2.000	122.5098	1939.4254	0.1250	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:38
—	2/2	—	—	—	2.000	122.0142	1930.2434	0.2930	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:41
6	2	Cal	5.00		5.000	300.1695	4911.6729	-1.1086	4.2674	1.42	—	—		D	TriMatrix Mercury	24 Feb 2010 07:46
—	1/2	—	—	—	5.000	297.1525	4691.4497	-2.4807	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:43
—	2/2	—	—	—	5.000	303.1864	5131.8955	0.2636	—	—	—	—		D	TriMatrix Mercury	24 Feb 2010 07:46
7	2	Sample	scv		3.103	187.3866	2946.9004	-0.3775	0.0193	0.62	1.00	—		D	TriMatrix Mercury	24 Feb 2010 07:51
—	1/2	—	—	—	3.117	188.2019	2928.6658	-0.5630	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 07:49
—	2/2	—	—	—	3.090	186.5714	2965.1348	-0.1919	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 07:51
1	2	Sample	ccb		-0.001	2.3362	-56.2785	-0.5613	0.0381	-6567.07	1.00	—		D	TriMatrix Mercury	24 Feb 2010 07:56
—	1/2	—	—	—	-0.028	0.7305	-71.4872	0.2258	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 07:54
—	2/2	—	—	—	0.026	3.9419	-41.0697	-1.3483	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 07:56
2	2	Sample	crl		0.197	14.1259	239.9289	1.0077	0.0109	5.51	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:01
—	1/2	—	—	—	0.189	13.6678	261.5014	1.4174	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 07:58
—	2/2	—	—	—	0.205	14.5840	218.3564	0.5981	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:01
5	2	Sample	ccv		2.139	129.8728	2081.3052	-2.2741	0.0968	4.53	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:06
—	1/2	—	—	—	2.070	125.7909	2060.8208	0.1100	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:03
—	2/2	—	—	—	2.207	133.9548	2101.7893	-4.6582	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:06
1	2	Sample	ccb		-0.014	1.5649	-125.2782	-1.1823	0.0085	-63.21	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:10
—	1/2	—	—	—	-0.007	1.9250	-138.3642	-1.2125	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:08
—	2/2	—	—	—	-0.020	1.2047	-112.1922	-1.1522	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:10

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f24wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
11	2	Sample	1001586-blk1		0.014	3.1883	-71.4856	-0.5375	0.0143	104.47	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:15
—	1/2	—	—	—	0.004	2.5844	-85.0007	-0.9147	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:13
—	2/2	—	—	—	0.024	3.7922	-57.9705	-0.1603	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:15
12	2	Sample	low bs		0.493	31.7491	528.0969	0.7741	0.0309	6.28	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:20
—	1/2	—	—	—	0.471	30.4448	484.3763	-0.6073	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:18
—	2/2	—	—	—	0.515	33.0534	571.8174	2.1554	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:20
13	2	Sample	1001586-bs1		2.153	130.7469	2037.2052	-2.7071	0.0236	1.10	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:25
—	1/2	—	—	—	2.137	129.7513	2025.8981	-2.1228	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:23
—	2/2	—	—	—	2.170	131.7424	2048.5125	-3.2915	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:25
14	2	Sample	1002246-01		0.289	19.6189	363.6899	0.6884	0.0914	31.61	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:30
—	1/2	—	—	—	0.225	15.7641	238.5337	0.3256	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:28
—	2/2	—	—	—	0.354	23.4737	488.8461	1.0512	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:30
15	2	Sample	1002246-04		0.039	4.6977	149.1355	2.6221	0.0468	119.94	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:35
—	1/2	—	—	—	0.072	6.6713	330.9247	5.6475	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:32
—	2/2	—	—	—	0.006	2.7242	-32.6537	-0.4033	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:35
16	2	Sample	1002246-05		0.085	7.4453	-11.7533	-5.1130	0.1049	123.24	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:40
—	1/2	—	—	—	0.159	11.8675	48.4768	-7.4212	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:37
—	2/2	—	—	—	0.011	3.0230	-71.9834	-2.8048	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:40
17	2	Sample	1002247-01		-0.017	1.3325	-83.9205	-0.2676	0.0139	-80.01	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:44
—	1/2	—	—	—	-0.027	0.7451	-69.2113	-0.6159	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:42
—	2/2	—	—	—	-0.008	1.9200	-98.6298	0.0806	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:44
18	2	Sample	1002247-02		0.041	4.7876	68.2252	-0.3672	0.0075	18.43	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:49
—	1/2	—	—	—	0.035	4.4727	146.7567	0.9418	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:47
—	2/2	—	—	—	0.046	5.1026	-10.3064	-1.6762	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:49
19	2	Sample	1002247-03		0.030	4.1854	13.1122	-0.9811	0.0016	5.34	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:54
—	1/2	—	—	—	0.032	4.2539	17.0299	0.1073	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:52
—	2/2	—	—	—	0.029	4.1168	9.1944	-2.0695	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:54
20	2	Sample	1002251-01		0.021	3.6446	25.0902	0.5772	0.0309	144.41	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:59
—	1/2	—	—	—	0.043	4.9453	58.9082	0.9140	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:57
—	2/2	—	—	—	0.000	2.3439	-8.7278	0.2405	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 08:59
5	2	Sample	ccv		2.079	126.2890	1954.8170	-3.0422	0.0350	1.68	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:04
—	1/2	—	—	—	2.103	127.7630	1952.2544	-6.9162	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:02
—	2/2	—	—	—	2.054	124.8150	1957.3795	0.8317	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:04

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f24wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
1	2	Sample	ccb		0.025	3.8783	-33.9493	-0.7082	0.0160	63.42	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:09
—	1/2	—	—	—	0.014	3.2022	61.9661	0.2804	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:07
—	2/2	—	—	—	0.037	4.5544	-129.8647	-1.6967	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:09
21	2	Sample	1001586-ms1		2.072	125.9197	2071.7727	0.4154	0.0520	2.51	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:36
—	1/2	—	—	—	2.109	128.1117	2160.5408	-0.1871	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:34
—	2/2	—	—	—	2.036	123.7277	1983.0045	1.0179	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:36
22	2	Sample	1001586-msd1		2.016	122.5364	1938.6262	-0.2602	0.0303	1.50	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:41
—	1/2	—	—	—	2.037	123.8142	2054.7195	2.0880	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:38
—	2/2	—	—	—	1.994	121.2586	1822.5328	-2.6084	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:41
23	2	Sample	1001587-blk1		-0.008	1.8860	-78.1533	0.5161	0.0215	-264.36	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:46
—	1/2	—	—	—	0.007	2.7922	-39.9139	1.0724	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:43
—	2/2	—	—	—	-0.023	0.9798	-116.3928	-0.0403	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:46
24	2	Sample	low bs		0.537	34.3889	610.5920	0.8056	0.0383	7.13	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:51
—	1/2	—	—	—	0.564	36.0030	709.9149	1.4779	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:48
—	2/2	—	—	—	0.510	32.7748	511.2692	0.1333	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:51
25	2	Sample	1001587-bs1		2.603	157.5657	2522.1248	-0.1463	0.0578	2.22	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:56
—	1/2	—	—	—	2.644	160.0033	2653.7324	0.5347	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:53
—	2/2	—	—	—	2.562	155.1281	2390.5168	-0.8273	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:56
26	2	Sample	1002004-02		0.016	3.3171	-77.9197	0.0717	0.0040	24.99	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:01
—	1/2	—	—	—	0.013	3.1499	-154.0128	-1.1860	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 09:58
—	2/2	—	—	—	0.019	3.4844	-1.8266	1.3293	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:01
27	2	Sample	1002004-04		0.021	3.6519	30.6380	0.0246	0.0069	32.29	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:05
—	1/2	—	—	—	0.017	3.3594	112.7449	2.4322	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:03
—	2/2	—	—	—	0.026	3.9444	-51.4689	-2.3829	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:05
28	2	Sample	1002004-05		-0.007	1.9335	44.0896	1.5618	0.0276	-376.39	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:10
—	1/2	—	—	—	-0.027	0.7697	-58.9971	0.7740	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:08
—	2/2	—	—	—	0.012	3.0973	147.1764	2.3496	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:10
29	2	Sample	1002004-07		-0.004	2.1095	-69.8295	-1.2412	0.0085	-195.06	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:15
—	1/2	—	—	—	0.002	2.4699	-143.9898	-2.4699	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:13
—	2/2	—	—	—	-0.010	1.7492	4.3308	-0.0126	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:15
30	2	Sample	1002004-11		0.009	2.9217	-75.4519	-0.1761	0.0154	166.21	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:20
—	1/2	—	—	—	-0.002	2.2742	-207.3023	-1.2332	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:18
—	2/2	—	—	—	0.020	3.5693	56.3985	0.8809	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:20

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f24wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
5	2	Sample	ccv		2.024	123.0360	2033.2252	-0.2422	0.1199	5.92	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:25
—	1/2	—	—	—	1.939	117.9835	1984.1786	-1.1051	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:23
—	2/2	—	—	—	2.109	128.0885	2102.2717	0.6207	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:25
1	2	Sample	ccb		0.009	2.8776	-23.0132	-0.2879	0.0108	127.13	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:30
—	1/2	—	—	—	0.016	3.3333	-36.7018	-0.0115	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:28
—	2/2	—	—	—	0.001	2.4220	-9.3246	-0.5643	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:30
31	2	Sample	1002004-12		0.005	2.6737	-66.5012	-0.1403	0.0270	531.39	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:35
—	1/2	—	—	—	0.024	3.8119	1.1681	1.0965	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:32
—	2/2	—	—	—	-0.014	1.5355	-134.1704	-1.3771	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:35
32	2	Sample	1002038-05		-0.008	1.8655	-42.6289	0.4054	0.0086	-100.97	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:40
—	1/2	—	—	—	-0.015	1.5047	-142.1436	-0.7557	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:37
—	2/2	—	—	—	-0.002	2.2263	56.8858	1.5666	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:40
33	2	Sample	1002038-09		0.050	5.3752	122.4902	1.2675	0.0185	36.62	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:45
—	1/2	—	—	—	0.063	6.1533	181.3583	1.6622	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:42
—	2/2	—	—	—	0.037	4.5972	63.6220	0.8728	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:45
34	2	Sample	1002038-10		0.052	5.4413	163.6052	1.4231	0.0120	23.31	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:50
—	1/2	—	—	—	0.060	5.9473	245.7499	3.1323	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:47
—	2/2	—	—	—	0.043	4.9353	81.4604	-0.2860	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:50
35	2	Sample	1002038-11		0.033	4.3106	-22.8306	-2.1690	0.0197	60.64	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:55
—	1/2	—	—	—	0.046	5.1424	-112.3703	-4.6453	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:52
—	2/2	—	—	—	0.019	3.4788	66.7091	0.3074	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:55
36	2	Sample	1002038-13		0.021	3.6337	-59.2657	-1.8103	0.0048	22.76	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:00
—	1/2	—	—	—	0.018	3.4304	24.0546	-0.0366	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 10:57
—	2/2	—	—	—	0.025	3.8370	-142.5860	-3.5840	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:00
37	2	Sample	1002038-15		0.003	2.5369	-27.2894	0.8493	0.0299	1074.13	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:05
—	1/2	—	—	—	0.024	3.7989	-90.9200	-0.5370	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:02
—	2/2	—	—	—	-0.018	1.2749	36.3412	2.2357	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:05
38	2	Sample	1002038-18		0.028	4.0478	103.9402	1.5236	0.0537	190.73	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:10
—	1/2	—	—	—	-0.010	1.7860	-26.2854	0.7037	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:07
—	2/2	—	—	—	0.066	6.3097	234.1658	2.3435	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:10
39	2	Sample	1002038-20		0.010	2.9677	-8.3705	0.6917	0.0305	304.67	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:15
—	1/2	—	—	—	0.032	4.2537	-69.4204	-1.1025	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:12
—	2/2	—	—	—	-0.012	1.6817	52.6794	2.4859	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:15

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f24wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
40	2	Sample	1002144-06		0.036	4.5468	36.0499	-0.7408	0.0307	84.01	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:20
—	1/2	—	—	—	0.015	3.2542	37.5325	-0.6165	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:17
—	2/2	—	—	—	0.058	5.8395	34.5673	-0.8651	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:20
5	2	Sample	ccv		2.095	127.2963	2178.5647	2.2307	0.0247	1.18	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:25
—	1/2	—	—	—	2.078	126.2540	2243.1355	3.2752	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:22
—	2/2	—	—	—	2.113	128.3386	2113.9939	1.1862	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:25
1	2	Sample	ccb		0.017	3.4012	-84.0269	-1.3599	0.0665	384.74	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:30
—	1/2	—	—	—	0.064	6.2045	-22.3744	-4.0806	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:27
—	2/2	—	—	—	-0.030	0.5979	-145.6795	1.3607	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:30
41	2	Sample	1002144-08		0.030	4.1517	61.1176	0.5806	0.0222	74.18	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:35
—	1/2	—	—	—	0.046	5.0859	148.2133	0.8501	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:32
—	2/2	—	—	—	0.014	3.2176	-25.9782	0.3112	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:35
42	2	Sample	1002144-09		0.037	4.5581	219.1639	3.5585	0.0473	128.90	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:40
—	1/2	—	—	—	0.003	2.5645	60.8121	2.0016	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:37
—	2/2	—	—	—	0.070	6.5517	377.5158	5.1155	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:40
43	2	Sample	1002144-11		0.038	4.6439	7.7893	-1.8995	0.0400	104.97	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:45
—	1/2	—	—	—	0.010	2.9566	8.1694	0.1230	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:42
—	2/2	—	—	—	0.066	6.3312	7.4091	-3.9219	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:45
44	2	Sample	1002144-12		-0.006	1.9931	-138.8969	-1.1353	0.0102	-160.95	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:50
—	1/2	—	—	—	-0.014	1.5632	-41.5903	0.1523	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:47
—	2/2	—	—	—	0.001	2.4230	-236.2035	-2.4230	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:50
45	2	Sample	1002144-13		0.042	4.9011	106.5118	1.6325	0.0052	12.18	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:55
—	1/2	—	—	—	0.046	5.1190	173.4751	2.6290	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:52
—	2/2	—	—	—	0.039	4.6832	39.5485	0.6361	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:55
46	2	Sample	1001588-blk1		0.020	3.5448	-51.7205	-0.6192	0.0382	193.83	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:00
—	1/2	—	—	—	-0.007	1.9357	-75.4082	-0.8600	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 11:57
—	2/2	—	—	—	0.047	5.1540	-28.0328	-0.3785	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:00
47	2	Sample	low bs		0.258	17.7464	281.1864	-0.7283	0.0232	8.99	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:05
—	1/2	—	—	—	0.274	18.7241	260.2099	-1.7194	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:02
—	2/2	—	—	—	0.242	16.7687	302.1629	0.2628	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:05
48	2	Sample	1001588-bs1		2.086	126.7188	1853.4427	1.9933	0.0226	1.09	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:10
—	1/2	—	—	—	2.070	125.7639	1782.3051	5.4578	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:07
—	2/2	—	—	—	2.102	127.6737	1924.5806	-1.4712	—	—	1.00	—		D	TriMatrix Mercury.	24 Feb 2010 12:10

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f24wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
49	2	Sample	1002144-15		0.028	4.0163	-49.7726	-1.4622	0.0896	252.01	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:15
—	1/2	—	—	—	-0.022	1.0840	-117.9830	-0.1774	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:13
—	2/2	—	—	—	0.077	6.9486	18.4378	-2.7471	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:15
50	2	Sample	1001589-blk1		0.007	2.7993	-33.1173	0.3173	0.0460	640.00	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:20
—	1/2	—	—	—	-0.025	0.8600	-133.5597	0.1935	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:18
—	2/2	—	—	—	0.040	4.7386	67.3251	0.4411	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:20
5	2	Sample	ccv		2.127	129.1504	2094.5981	1.0037	0.0373	1.75	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:25
—	1/2	—	—	—	2.153	130.7240	2129.7886	1.6079	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:23
—	2/2	—	—	—	2.100	127.5769	2059.4077	0.3996	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:25
1	2	Sample	ccb		0.038	4.6617	-169.0377	-4.5176	0.0554	144.21	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:30
—	1/2	—	—	—	0.078	6.9977	-121.1008	-6.7095	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:27
—	2/2	—	—	—	-0.001	2.3256	-216.9746	-2.3256	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:30
51	2	Sample	low bs		0.504	32.4336	511.8835	-0.1553	0.0459	9.11	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:51
—	1/2	—	—	—	0.472	30.4970	439.7731	-1.0223	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:48
—	2/2	—	—	—	0.537	34.3701	583.9938	0.7118	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:51
52	2	Sample	1001589-bs1		2.148	130.4026	1993.4584	-1.7355	0.0234	1.09	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:56
—	1/2	—	—	—	2.164	131.3910	2101.4824	-1.9942	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:53
—	2/2	—	—	—	2.131	129.4143	1885.4344	-1.4768	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:56
53	2	Sample	1002241-01		0.032	4.3009	170.3019	2.6919	0.0271	83.81	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:01
—	1/2	—	—	—	0.052	5.4447	274.9802	4.2857	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 12:58
—	2/2	—	—	—	0.013	3.1570	65.6235	1.0982	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:01
54	2	Sample	1002241-02		0.052	5.4918	146.5327	0.1790	0.0009	1.69	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:06
—	1/2	—	—	—	0.053	5.5291	299.8955	3.9109	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:04
—	2/2	—	—	—	0.052	5.4544	-6.8302	-3.5530	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:06
55	2	Sample	1002241-03		-0.004	2.1326	-32.9730	-0.1890	0.0075	-188.01	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:11
—	1/2	—	—	—	0.001	2.4492	-79.9090	-0.3544	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:09
—	2/2	—	—	—	-0.009	1.8161	13.9630	-0.0236	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:11
56	2	Sample	1002241-04		0.050	5.3625	-20.4719	-2.4386	0.0177	35.32	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:16
—	1/2	—	—	—	0.063	6.1098	-119.3383	-6.0840	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:14
—	2/2	—	—	—	0.038	4.6153	78.3945	1.2067	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:16
57	2	Sample	1002241-05		0.017	3.4004	35.7133	0.4461	0.0292	168.95	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:21
—	1/2	—	—	—	-0.003	2.1703	-43.3919	0.4021	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:19
—	2/2	—	—	—	0.038	4.6304	114.8185	0.4901	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:21

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Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
58	2	Sample	1002241-06		0.022	3.6724	-28.0490	-1.2906	0.0252	115.49	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:26
—	1/2	—	—	—	0.004	2.6095	-55.7675	-0.7390	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:24
—	2/2	—	—	—	0.040	4.7353	-0.3305	-1.8421	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:26
59	2	Sample	1002241-07		-0.018	1.3054	-78.6012	-0.4639	0.0037	-20.45	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:31
—	1/2	—	—	—	-0.015	1.4594	-114.8300	-0.9905	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:29
—	2/2	—	—	—	-0.020	1.1513	-42.3725	0.0628	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:31
60	2	Sample	1002241-08		0.018	3.4441	-82.7345	-2.6698	0.0437	242.45	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:37
—	1/2	—	—	—	0.049	5.2843	-26.9462	-3.9926	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:34
—	2/2	—	—	—	-0.013	1.6040	-138.5228	-1.3469	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:37
5	2	Sample	ccv		1.872	113.9972	1227.5530	-11.3112	0.0843	4.50	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:45
—	1/2	—	—	—	1.813	110.4427	688.1531	-20.0117	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:43
—	2/2	—	—	—	1.932	117.5516	1766.9528	-2.6107	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:45
1	2	Sample	ccb		0.004	2.6232	9.9984	0.1435	0.0176	414.48	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:50
—	1/2	—	—	—	-0.008	1.8833	69.0919	0.7619	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:48
—	2/2	—	—	—	0.017	3.3632	-49.0952	-0.4750	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:50
61	2	Sample	1002241-09		0.001	2.4403	-72.5186	-0.4773	0.0183	1564.48	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:55
—	1/2	—	—	—	-0.012	1.6707	-2.4163	0.5011	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:53
—	2/2	—	—	—	0.014	3.2100	-142.6210	-1.4558	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:55
62	2	Sample	1002241-10		0.018	3.4141	93.0979	2.0902	0.0147	84.09	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:00
—	1/2	—	—	—	0.007	2.7937	27.5095	1.5209	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 13:58
—	2/2	—	—	—	0.028	4.0345	158.6863	2.6595	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:00
63	2	Sample	1002241-11		0.019	3.5144	2.7222	0.5777	0.0495	258.12	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:06
—	1/2	—	—	—	-0.016	1.4270	-133.6824	0.3226	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:03
—	2/2	—	—	—	0.054	5.6018	139.1269	0.8329	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:06
64	2	Sample	1002241-12		-0.003	2.2105	12.6705	0.9252	0.0150	-557.64	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:11
—	1/2	—	—	—	0.008	2.8426	22.8610	0.7329	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:08
—	2/2	—	—	—	-0.013	1.5783	2.4800	1.1178	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:11
65	2	Sample	1002241-13		0.000	2.3933	23.3034	0.9783	0.0175	4622.38	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:16
—	1/2	—	—	—	-0.012	1.6567	80.6328	4.3196	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:13
—	2/2	—	—	—	0.013	3.1299	-34.0259	-2.3630	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:16
66	2	Sample	1002241-14		0.014	3.1804	-33.7152	0.0906	0.0394	290.01	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:21
—	1/2	—	—	—	0.041	4.8408	-74.7873	-1.7119	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:18
—	2/2	—	—	—	-0.014	1.5201	7.3589	1.8931	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:21

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f24wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
67	2	Sample	1002265-01		0.007	2.7618	66.9859	2.0946	0.0288	438.95	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:26
—	1/2	—	—	—	0.027	3.9756	212.8950	3.1275	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:24
—	2/2	—	—	—	-0.014	1.5481	-78.9232	1.0617	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:28
68	2	Sample	1002265-02		0.067	6.3551	74.8634	-1.8008	0.0195	29.17	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:31
—	1/2	—	—	—	0.053	5.5333	101.5021	0.1164	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:29
—	2/2	—	—	—	0.081	7.1768	48.2247	-3.7179	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:31
69	2	Sample	1002265-03		0.026	3.9304	56.1281	0.6727	0.0248	94.89	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:37
—	1/2	—	—	—	0.044	4.9770	40.8488	0.2844	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:34
—	2/2	—	—	—	0.009	2.8839	71.4073	1.0609	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:37
70	2	Sample	1002265-04		0.015	3.2701	10.7847	0.8959	0.0302	200.49	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:42
—	1/2	—	—	—	0.036	4.5450	16.5322	1.4191	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:39
—	2/2	—	—	—	-0.006	1.9952	5.0372	0.3727	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:42
5	2	Sample	ccv		1.939	117.9704	1870.1300	0.6804	0.0246	1.27	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:47
—	1/2	—	—	—	1.956	119.0066	1878.0604	-0.8125	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:44
—	2/2	—	—	—	1.922	116.9341	1862.1996	2.1733	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:47
1	2	Sample	ccb		0.000	2.3871	-29.5055	0.8058	0.0298	10882.23	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:52
—	1/2	—	—	—	0.021	3.6441	61.4265	0.4744	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:49
—	2/2	—	—	—	-0.021	1.1301	-120.4375	1.1372	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:52
71	2	Sample	1001589-ms1		2.131	129.4089	1889.3834	-1.4804	0.0273	1.28	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:57
—	1/2	—	—	—	2.112	128.2571	1937.8174	-0.7552	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:54
—	2/2	—	—	—	2.150	130.5607	1840.9493	-2.2056	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:57
72	2	Sample	1001589-msd1		2.062	125.3189	1927.8970	-0.7056	0.0280	1.36	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:02
—	1/2	—	—	—	2.082	126.4997	1975.5284	-0.5983	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 14:59
—	2/2	—	—	—	2.042	124.1381	1880.2655	-0.8129	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:02
73	2	Sample	1002265-05		0.061	6.0137	150.8841	0.1872	0.1036	169.56	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:07
—	1/2	—	—	—	-0.012	1.6459	-47.2200	-0.2859	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:05
—	2/2	—	—	—	0.134	10.3815	348.9882	0.6603	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:07
74	2	Sample	1002265-06		-0.003	2.1699	-184.9605	-1.2331	0.0005	-14.36	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:12
—	1/2	—	—	—	-0.003	2.1903	-291.6844	-1.0162	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:10
—	2/2	—	—	—	-0.004	2.1495	-78.2366	-1.4500	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:12
75	2	Sample	1001587-bs1		2.574	155.8115	2295.2600	-2.9180	0.0995	3.86	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:18
—	1/2	—	—	—	2.644	160.0043	2345.6409	-5.4634	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:15
—	2/2	—	—	—	2.503	151.6187	2244.8792	-0.3727	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:18

Analysis Report - Filename: C:\PROGRA~1\MILLEN~1\Results\f24wt-a2.rsf

Pos	Runs	Type	Name	ID / Action	Conc	Pk Ht	Pk Area	Baseline	SD	RSD	Dil Factor	Message	Flag	Cal	Method	Date/Time
5	2	Sample	ccv		1.903	115.8084	1851.6333	0.0059	0.0439	2.31	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:23
—	1/2	—	—	—	1.934	117.6582	1760.9413	-2.0286	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:20
—	2/2	—	—	—	1.872	113.9585	1942.3253	2.0404	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:23
1	2	Sample	ccb		0.033	4.3299	109.4777	1.1568	0.0268	81.49	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:28
—	1/2	—	—	—	0.052	5.4588	248.0560	3.2874	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:26
—	2/2	—	—	—	0.014	3.2009	-29.1006	-0.9738	—	—	1.00	—		D	TriMatrix Mercury	24 Feb 2010 15:28

TRIMATRIX LABORATORIES

SECTION - D

INORGANIC – WET CHEMISTRY

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

TriMatrix Laboratories, Inc.

SulTRAC

Project: Plainwell Mill

SDG: PM011110B

USEPA-9014

90736

SAMPLE ID SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill

Client Sample Id:	Lab Sample Id:
S-SS-56394-EV-011210-011	1001277-01
S-SO-56394-CB-011210-015	1001277-02
S-SS-56394-EV-011310-021	1001277-03
S-SO-56394-CB-011410-033	1001277-04
SD-SO-56394-CB-011410-033	1001277-05
S-SO-56394-CB-011410-041	1001277-06
S-SO-56394-DR-011310-1011	1001277-07
S-SO-56394-CB-011310-028	1001277-08

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SS-56394-EV-011210-011

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/12/10 11:20
Solids: 0.00
Laboratory ID: 1001277-01

SDG: PM011110B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/20/10 08:25
Initial/Final: 50 g / 50 mL
QC Batch: 1000563

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.0050	mg/L	1	0.0050	0.0022	U	01/25/10 10:53

00738

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-011210-015

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/12/10 16:00
Solids: 0.00
Laboratory ID: 1001277-02

SDG: PM011110B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/20/10 08:25
Initial/Final: 50 g / 50 mL
QC Batch: 1000563

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.0050	mg/L	1	0.0050	0.0022	U	01/25/10 10:53

00739

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SS-56394-EV-011310-021

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 11:35
Solids: 0.00
Laboratory ID: 1001277-03

SDG: PM011110B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/20/10 08:25
Initial/Final: 50 g / 50 mL
QC Batch: 1000563

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.0050	mg/L	1	0.0050	0.0022	U	01/25/10 11:00

00748

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-011410-033

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 09:05
Solids: 0.00
Laboratory ID: 1001277-04

SDG: PM011110B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/22/10 07:00
Initial/Final: 50 g / 50 mL
QC Batch: 1000563

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.0050	mg/L	1	0.0050	0.0022	U	01/25/10 11:49

00741

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

SD-SO-56394-CB-011410-033

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 09:07
Solids: 0.00
Laboratory ID: 1001277-05

SDG: PM011110B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/20/10 08:25
Initial/Final: 50 g / 50 mL
QC Batch: 1000563

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.0050	mg/L	1	0.0050	0.0022	U	01/25/10 11:00

00742

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-011410-041

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/14/10 11:20
Solids: 0.00
Laboratory ID: 1001277-06

SDG: PM011110B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/20/10 08:25
Initial/Final: 50 g / 50 mL
QC Batch: 1000563

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.0050	mg/L	1	0.0050	0.0022	U	01/25/10 11:00

00743

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-DR-011310-1011

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 13:25
Solids: 0.00
Laboratory ID: 1001277-07

SDG: PM011110B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/20/10 08:25
Initial/Final: 50 g / 50 mL
QC Batch: 1000563

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.0050	mg/L	1	0.0050	0.0022	U	01/25/10 11:00

00744

INORGANIC ANALYSIS DATA SHEET
USEPA-9014

S-SO-56394-CB-011310-028

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Matrix: Soil
Sampled: 01/13/10 16:30
Solids: 0.00
Laboratory ID: 1001277-08

SDG: PM011110B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Prepared: 01/20/10 08:25
Initial/Final: 50 g / 50 mL
QC Batch: 1000563

CAS No.	Analyte	Conc.	Units	Dil. Factor	MRL	MDL	Q	Analyzed
57-12-5	Cyanide, SPLP	0.0050	mg/L	1	0.0050	0.0022	U	01/25/10 11:00

00745

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A27027

SDG: PM011110B
Project: Plainwell Mill
Instrument: 298
Calibration: 0A27003

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0A27027-CAL1	012510cnm-001	01/25/10 10:21
Cal Standard	0A27027-CAL2	012510cnm-002	01/25/10 10:21
Cal Standard	0A27027-CAL3	012510cnm-003	01/25/10 10:21
Cal Standard	0A27027-CAL4	012510cnm-004	01/25/10 10:21
Cal Standard	0A27027-CAL5	012510cnm-005	01/25/10 10:21
Cal Standard	0A27027-CAL6	012510cnm-006	01/25/10 10:21
Cal Standard	0A27027-CAL7	012510cnm-007	01/25/10 10:21
Calibration Check	0A27027-CCV1	012510cnm-008	01/25/10 10:53
Calibration Blank	0A27027-CCB1	012510cnm-009	01/25/10 10:53
High Cal Check	0A27027-HCV1	012510cnm-011	01/25/10 10:53
Low Cal Check	0A27027-LCV1	012510cnm-012	01/25/10 10:53
MRL Check	0A27027-CRL1	012510cnm-013	01/25/10 10:53
Blank	1000563-BLK1	012510cnm-014	01/25/10 10:53
S-SS-56394-EV-011210-011	1001277-01	012510cnm-015	01/25/10 10:53
S-SO-56394-CB-011210-015	1001277-02	012510cnm-016	01/25/10 10:53
S-SS-56394-EV-011310-021	1001277-03	012510cnm-017	01/25/10 11:00
Calibration Check	0A27027-CCV2	012510cnm-018	01/25/10 11:00
Calibration Blank	0A27027-CCB2	012510cnm-019	01/25/10 11:00
SD-SO-56394-CB-011410-033	1001277-05	012510cnm-020	01/25/10 11:00
S-SO-56394-CB-011410-041	1001277-06	012510cnm-021	01/25/10 11:00
S-SO-56394-DR-011310-1011	1001277-07	012510cnm-022	01/25/10 11:00
S-SO-56394-CB-011310-028	1001277-08	012510cnm-023	01/25/10 11:00
Calibration Check	0A27027-CCV3	012510cnm-026	01/25/10 11:08
Calibration Blank	0A27027-CCB3	012510cnm-027	01/25/10 11:08
Blank	1000563-BLK2	012510cnm-055	01/25/10 11:38
LCS	1000563-BS3	012510cnm-058	01/25/10 11:38
LCS	1000563-BS4	012510cnm-059	01/25/10 11:38
S-SO-56394-CB-011410-033	1001277-04	012510cnm-075	01/25/10 11:49
LCS	1000563-BS1	012510cnm-085	01/25/10 12:38
LCS	1000563-BS2	012510cnm-086	01/25/10 12:38
S-SO-56394-CB-011410-041	1000563-MS1	012510cnm-087	01/25/10 12:38
S-SO-56394-CB-011410-041	1000563-MSD1	012510cnm-088	01/25/10 12:38

00746

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A27027

SDG: PM011110B
Project: Plainwell Mill
Instrument: 298
Calibration: 0A27003

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0A27027-CCV4	012510cnm-089	01/25/10 13:03
Calibration Blank	0A27027-CCB4	012510cnm-090	01/25/10 13:03

00747

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A27027
Instrument ID: 298
Control Limt: +/- 15.00%
Calibration: 0A27003

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
0A27027-CCV1	Cyanide	0.100	0.100	100	mg/L	01/25/10 10:53
0A27027-CCV2	Cyanide	0.100	0.0983	98	mg/L	01/25/10 11:00
0A27027-CCV3	Cyanide	0.100	0.0992	99	mg/L	01/25/10 11:08
0A27027-CCV4	Cyanide	0.100	0.101	101	mg/L	01/25/10 13:03

* Values outside of QC limits

00748

LOW-CONCENTRATION CALIBRATION VERIFICATION

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A27027
Instrument: 298
Laboratory ID: 0A27027-LCV1
Calibration: 0A27003

Analyte	Expected	Found	% Drift	QC Limit	Units
Cyanide	0.0500	0.0502	0.4		mg/L

* Values outside of QC limits

00749

HIGH-CONCENTRATION CALIBRATION VERIFICATION

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Sequence: 0A27027
Instrument: 298
Laboratory ID: 0A27027-HCV1
Calibration: 0A27003

Analyte	Expected	Found	% Drift	QC Limit	Units
Cyanide	0.100	0.102	1.6		mg/L

* Values outside of QC limits

00750

CRDL STANDARD

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110B

Client: SulTRAC

Project: Plainwell Mill

Sequence: 0A27027

Instrument ID: 298

Calibration: 0A27003

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0A27027-CRL1	Cyanide	0.00500	0.00415	83	mg/L	0 - 200

* Values outside of QC limits

00751

BLANKS
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
Client: SulTRAC
Sequence: 0A27027

SDG: PM011110B
Project: Plainwell Mill
Instrument ID: 298
Calibration: 0A27003

Lab Sample ID	Analyte	Found	MRL	MDL	Units	C	Analyzed
0A27027-CCB1	Cyanide	-0.000080	0.0050	0.0022	mg/L	U	01/25/10 10:53
0A27027-CCB2	Cyanide	-0.00046	0.0050	0.0022	mg/L	U	01/25/10 11:00
0A27027-CCB3	Cyanide	-0.00066	0.0050	0.0022	mg/L	U	01/25/10 11:08
0A27027-CCB4	Cyanide	-0.00041	0.0050	0.0022	mg/L	U	01/25/10 13:03

* Values outside of QC limits

00752

QC BATCH SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc. SDG: PM011110B

Client: SulTRAC Project: Plainwell Mill

QC Batch: 1000563 QC Batch Matrix: Soil Preparation: 9010B Cyanide Distillation

Sample Name	Lab Sample ID	Date Prepared	Observations
Blank	1000563-BLK1	01/20/10 08:25	
Blank	1000563-BLK2	01/22/10 07:00	
LCS	1000563-BS1	01/20/10 08:25	
LCS	1000563-BS2	01/20/10 08:25	
LCS	1000563-BS3	01/22/10 07:00	
LCS	1000563-BS4	01/22/10 07:00	
S-SO-56394-CB-011410-041	1000563-MS1	01/20/10 08:25	
S-SO-56394-CB-011410-041	1000563-MSD1	01/20/10 08:25	
S-SS-56394-EV-011210-011	1001277-01	01/20/10 08:25	only run if total CN is >=0.09Jmg/kg
S-SO-56394-CB-011210-015	1001277-02	01/20/10 08:25	only run if total CN is >=0.09Jmg/kg
S-SS-56394-EV-011310-021	1001277-03	01/20/10 08:25	only run if total CN is >=0.09Jmg/kg
S-SO-56394-CB-011410-033	1001277-04	01/22/10 07:00	only run if total CN is >=0.09Jmg/kg
SD-SO-56394-CB-011410-033	1001277-05	01/20/10 08:25	only run if total CN is >=0.09Jmg/kg
S-SO-56394-CB-011410-041	1001277-06	01/20/10 08:25	only run if total CN is >=0.09Jmg/kg
S-SO-56394-DR-011310-1011	1001277-07	01/20/10 08:25	only run if total CN is >=0.09Jmg/kg
S-SO-56394-CB-011310-028	1001277-08	01/20/10 08:25	only run if total CN is >=0.09Jmg/kg

00753

METHOD BLANK DATA SHEET
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000563-BLK1
File ID: 012510cnm-014
Prepared: 01/20/10 08:25
Preparation: 9010B Cyanide Distillatic
Initial/Final: 50 g / 50 mL
Analyzed: 01/25/10 10:53
Instrument: 298
QC Batch: 1000563
Sequence: 0A27027
Calibration: 0A27003

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
57-12-5	Cyanide, SPLP	0.0022	0.0050	0.0050	mg/L	U

00754

METHOD BLANK DATA SHEET
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.
SDG: PM011110B
Client: SulTRAC
Project: Plainwell Mill
Matrix: Soil
Laboratory ID: 1000563-BLK2
File ID: 012510cnm-055
Prepared: 01/22/10 07:00
Preparation: 9010B Cyanide Distillatic
Initial/Final: 50 g / 50 mL
Analyzed: 01/25/10 11:38
Instrument: 298
QC Batch: 1000563
Sequence: 0A27027
Calibration: 0A27003

CAS No.	Analyte	MDL	MRL	Concentration	Unit	Q
57-12-5	Cyanide, SPLP	0.0022	0.0050	0.0050	mg/L	U

00755

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011410-041

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110B

Project: Plainwell Mill

Preparation: 9010B Cyanide Distillation

Initial/Final: 50 g / 50 mL

Laboratory ID: 1000563-MS1

QC Batch: 1000563

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Cyanide, SPLP	0.100	ND	0.0970	97	75 - 123	mg/L

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

* Values outside of QC limits

00756

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

S-SO-56394-CB-011410-041

USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

Client: SulTRAC

Matrix: Soil

SDG: PM011110B

Project: Plainwell Mill

Preparation: 9010B Cyanide Distillation

Initial/Final: 50 g / 50 mL

Laboratory ID: 1000563-MSD1

QC Batch: 1000563

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Cyanide, SPLP	0.100	0.0977	98	0.7	20	75 - 123	mg/L

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

* Values outside of QC limits

00757

LCS / LCS DUPLICATE RECOVERY
USEPA-9014

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

Laboratory ID: 1000563-BS1

SDG: PM011110B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Initial/Final: 50 g / 50 mL
QC Batch: 1000563
Sequence: 0A27027

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Cyanide, SPLP	0.100	0.0970	97	90 - 110	mg/L

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

* Values outside of QC limits

00758

LCS / LCS DUPLICATE RECOVERY
USEPA-9014

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

Laboratory ID: 1000563-BS2

SDG: PM011110B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Initial/Final: 50 g / 50 mL
QC Batch: 1000563
Sequence: 0A27027

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Cyanide, SPLP	0.0400	0.0383	96	90 - 110	mg/L

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

* Values outside of QC limits

00759

LCS / LCS DUPLICATE RECOVERY
USEPA-9014

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

Laboratory ID: 1000563-BS3

SDG: PM011110B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Initial/Final: 50 g / 50 mL
QC Batch: 1000563
Sequence: 0A27027

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Cyanide, SPLP	0.100	0.0980	98	90 - 110	mg/L

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

* Values outside of QC limits

00750

LCS / LCS DUPLICATE RECOVERY
USEPA-9014

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

Laboratory ID: 1000563-BS4

SDG: PM011110B
Project: Plainwell Mill
Preparation: 9010B Cyanide Distillation
Initial/Final: 50 g / 50 mL
QC Batch: 1000563
Sequence: 0A27027

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Cyanide, SPLP	0.0400	0.0385	96	90 - 110	mg/L

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

* Values outside of QC limits

00761

HOLDING TIME SUMMARY
USEPA-9014

Laboratory: TriMatrix Laboratories, Inc.

SDG: PM011110B

Client: SulTRAC

Project: Plainwell Mill

Analyte: Cyanide

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
S-SS-56394-EV-011210-011	01/12/10	01/14/10	01/19/10	01/20/10	1	NA	01/25/10	6	14	
S-SO-56394-CB-011210-015	01/12/10	01/14/10	01/19/10	01/20/10	1	NA	01/25/10	6	14	
S-SS-56394-EV-011310-021	01/13/10	01/14/10	01/19/10	01/20/10	1	NA	01/25/10	6	14	
S-SO-56394-CB-011410-033	01/14/10	01/14/10	01/21/10	01/22/10	1	NA	01/25/10	4	14	
SD-SO-56394-CB-011410-033	01/14/10	01/14/10	01/19/10	01/20/10	1	NA	01/25/10	6	14	
S-SO-56394-CB-011410-041	01/14/10	01/14/10	01/19/10	01/20/10	1	NA	01/25/10	6	14	
S-SO-56394-DR-011310-1011	01/13/10	01/14/10	01/19/10	01/20/10	1	NA	01/25/10	6	14	
S-SO-56394-CB-011310-028	01/13/10	01/14/10	01/19/10	01/20/10	1	NA	01/25/10	6	14	

00762

Inorganic - Wet Chemistry, Soil, Jan-25-10

Instrument = 298, Calibration = 0A27003

Sequence Analyses:
Cyanide SPLP 9014

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
0A27027-CAL1	QC		0010767		CAL STANDARD	
0A27027-CAL2	QC		0010768		CAL STANDARD	
0A27027-CAL3	QC		0010765		CAL STANDARD	
0A27027-CAL4	QC		0010764		CAL STANDARD	
0A27027-CAL5	QC		0010763		CAL STANDARD	
0A27027-CAL6	QC		0010762		CAL STANDARD	
0A27027-CAL7	QC		0010761		CAL STANDARD	
0A27027-CCV1	QC		0010762		CALIBRATION CHECK	
0A27027-CCB1	QC		0010767		CALIBRATION BLANK	
0A27027-HCV1	QC		0010757		HIGH CAL CHECK	
0A27027-LCV1	QC		0010758		LOW CAL CHECK	
0A27027-CRL1	QC		0010766		MRL CHECK	
1000563-BLK1	QC				BLANK	
1001277-01	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
1001277-02	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
1001277-03	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
0A27027-CCV2	QC		0010762		CALIBRATION CHECK	
0A27027-CCB2	QC		0010767		CALIBRATION BLANK	
1001277-05	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
1001277-06	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
1001277-07	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
1001277-08	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
0A27027-CCV3	QC		0010762		CALIBRATION CHECK	
0A27027-CCB3	QC		0010767		CALIBRATION BLANK	
1000563-BLK2	QC				BLANK	
1000563-BS3	QC				LCS	
1000563-BS4	QC				LCS	
1001277-04	Cyanide SPLP 9014	A 02			SulTRAC	only run if total CN is >=0.09Jmg/kg
1000563-BS1	QC				LCS	
1000563-BS2	QC				LCS	
1000563-MS1	QC				MATRIX SPIKE	
1000563-MSD1	QC				MATRIX SPIKE DUP	
0A27027-CCV4	QC		0010762		CALIBRATION CHECK	
0A27027-CCB4	QC		0010767		CALIBRATION BLANK	

Comments:	Analyst Initials:

TriMatrix Laboratories, Inc.

1-27-10 2-12-10

PREPARATION BATCH 1000563

due 01/28/10

Printed: 1/22/2010 6:21:52AM

Inorganic - Wet Chemistry, Soil, 9010B Cyanide Distillation

(No Surrogate)

4,4D

Batch Comments: (none)

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1001277	Cyanide SPLP 9014				

Lab Number	*Contain*	*Prepared*	*By*	*Initial (g)*	*Final (mL)*	*uL Surrogate*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1000563-BLK1		Jan-20-10 08:25	LMA	50	50					BLANK	
1000563-BS1		Jan-20-10 08:25	LMA	50	50			0010379	50	LCS	
1000563-BS2		Jan-20-10 08:25	LMA	50	50			0010379	20	LCS	
1000563-MS1		Jan-20-10 08:25	LMA	50	50		1001277-06	0010379	50	MATRIX SPIKE	
1000563-MSD1		Jan-20-10 08:25	LMA	50	50		1001277-06	0010379	50	MATRIX SPIKE DUP	
1001277-01	A 01	Jan-20-10 08:25	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1001277-02	A 01	Jan-20-10 08:25	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1001277-03	A 01	Jan-20-10 08:25	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1001277-05	A 01	Jan-20-10 08:25	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1001277-06	A 01	Jan-20-10 08:25	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1001277-07	A 01	Jan-20-10 08:25	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1001277-08	A 01	Jan-20-10 08:25	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg

Comments:
pH 7 12w/NaOH checked for interferences Reagents INK 10.55-13, INK 10.45-7, INK 9.66-16, INK 10.44-6

Analyst Initials:

TriMatrix Laboratories, Inc.

due 01/28/10

PREPARATION BATCH 1000563

Printed: 1/22/2010 6:31:27AM

Inorganic - Wet Chemistry, Soil, 9010B Cyanide Distillation

(No Surrogate)

Batch Comments: (none)

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1001277	Cyanide SPLP 9014				

Lab Number	*Contain*	*Prepared*	*By*	*Initial (g)*	*Final (mL)*	*uL Surrogate*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1000563-BLK1		Jan-20-10 08:25	LMA	50	50					BLANK	
1000563-BS1		Jan-20-10 08:25	LMA	50	50			0010379	50	LCS	
1000563-BS2		Jan-20-10 08:25	LMA	50	50			0010379	20	LCS	
1000563-MS1		Jan-20-10 08:25	LMA	50	50		1001277-06	0010379	50	MATRIX SPIKE	
1000563-MSD1		Jan-20-10 08:25	LMA	50	50		1001277-06	0010379	50	MATRIX SPIKE DUP	
1001277-01	A 01	Jan-20-10 08:25	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1001277-02	A 01	Jan-20-10 08:25	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1001277-03	A 01	Jan-20-10 08:25	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1001277-05	A 01	Jan-20-10 08:25	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1001277-06	A 01	Jan-20-10 08:25	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1001277-07	A 01	Jan-20-10 08:25	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1001277-08	A 01	Jan-20-10 08:25	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg
1000563-BLK2		Jan-22-10 07:00	LMA	50	50					BLANK	
1000563-BS3		Jan-22-10 07:00	LMA	50	50			0010706	50	LCS	
1000563-BS4		Jan-22-10 07:00	LMA	50	50			0010706	20	LCS	
1001277-04	A 01	Jan-22-10 07:00	LMA	50	50					SulTRAC	only run if total CN is >=0.09Jmg/kg

Comments: pH>12w/NaOH checked for interferences Reagents INC10.55-14, INC9.166-16, INC10.45-7, INR10.44-7

Analyst Initials:

Calibration results AquaKem 6.5 Page: 1

Laboratory inst#298
Konelab User

25.01.2010 10:30

Test CN

10:100m-1:50µl

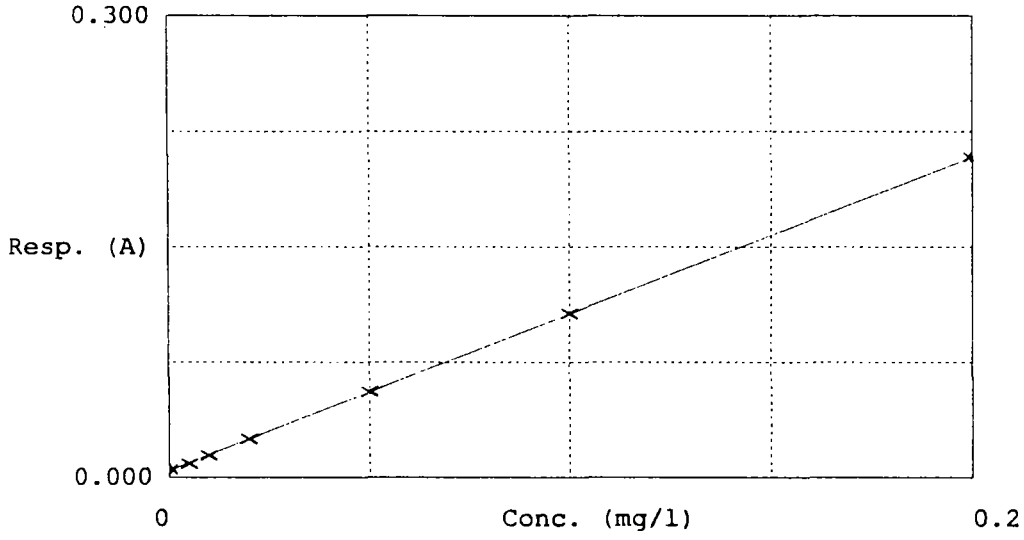
Accepted 25.01.2010 10:30

Factor 0.981
Bias 0.005

Reagents
INR10.55-15
INR9.88-2
INR10.46-9
INR10.3-2

Coeff. of det. 0.999965

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors	Element
1	CN- 0	0.005	0.00069	0.00000		0010767
2	CN- 0.005	0.009	0.00440	0.00500		0010766
3	CN- 0.01	0.014	0.00956	0.01000		0010765
4	CN- 0.02	0.025	0.02012	0.02000		0010764
5	CN- 0.05	0.056	0.05019	0.05000		0010763
6	CN- 0.1	0.107	0.10012	0.10000		0010762
7	CN- 0.2	0.208	0.19992	0.20000		0010761

HCV 0010757
~~0010758~~ 0010758

Laboratory inst#298
Konelab User

Date : 2010-01-25
Time : 13.46

Test CN
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Man.dilut
CN CCV	0.1001	0.107	2010-01-25 10.53		
CN CCB	-0.0001	0.004	2010-01-25 10.53		
blk	-0.0003	0.004	2010-01-25 10.53		
hcv	0.1016	0.108	2010-01-25 10.53		
lcv	0.0502	0.056	2010-01-25 10.53		
crl	0.0042	0.009	2010-01-25 10.53		
blk 1/20	-0.0001	0.004	2010-01-25 10.53		
1001277-01	0.0001	0.005	2010-01-25 10.53		
1001277-02	0.0003	0.005	2010-01-25 10.53		
1001277-03	0.0002	0.005	2010-01-25 11.00		
CN CCV	0.0983	0.105	2010-01-25 11.00		
CN CCB	-0.0005	0.004	2010-01-25 11.00		
1001277-05	-0.0004	0.004	2010-01-25 11.00		
1001277-06	-0.0001	0.004	2010-01-25 11.00		
1001277-07	0.0002	0.005	2010-01-25 11.00		
1001277-08	0.0012	0.006	2010-01-25 11.00		
mblk 1/21	-0.0002	0.004	2010-01-25 11.00		
1001254-03	0.0052	0.010	2010-01-25 11.08		
CN CCV	0.0992	0.106	2010-01-25 11.08		
CN CCB	-0.0007	0.004	2010-01-25 11.08		
1001254-04	0.0014	0.006	2010-01-25 11.08		
1001254-05	0.0108	0.016	2010-01-25 11.08		
1001254-06	0.0044	0.009	2010-01-25 11.08		
1001254-07	0.0008	0.005	2010-01-25 11.08		
1001254-08	0.0008	0.005	2010-01-25 11.08		
1001254-09	0.0018	0.006	2010-01-25 11.08		
1001254-10	0.0053	0.010	2010-01-25 11.08		
mblk 1/22	-0.0005	0.004	2010-01-25 11.15		
mbs1 1/22	0.0939	0.100	2010-01-25 11.15		
CN CCV	0.0989	0.105	2010-01-25 11.15		
CN CCB	-0.0000	0.004	2010-01-25 11.15		
1001286-01	0.0046	0.009	2010-01-25 11.15		
1001286-02	0.0036	0.008	2010-01-25 11.15		
1001286-03	0.0001	0.005	2010-01-25 11.15		
1001286-04	0.0206	0.026	2010-01-25 11.22		
1001286-05	0.0782	0.084	2010-01-25 11.23		
CN CCV	0.0996	0.106	2010-01-25 11.23		
CN CCB	-0.0004	0.004	2010-01-25 11.23		
1001286-06	0.0054	0.010	2010-01-25 11.23		
1001286-08	0.0083	0.013	2010-01-25 11.23		
1001286-09	0.0246	0.030	2010-01-25 11.23		
1001286-10	0.0140	0.019	2010-01-25 11.23		
1001286-11	0.0136	0.018	2010-01-25 11.23		
1001286-12	0.1377	0.145	2010-01-25 11.30		
CN CCV	0.1019	0.108	2010-01-25 11.30		
CN CCB	-0.0002	0.004	2010-01-25 11.30		
mblk 1/15	-0.0007	0.004	2010-01-25 11.30		
blk 1/22	-0.0003	0.004	2010-01-25 11.38		
CN CCV	0.1022	0.109	2010-01-25 11.38		
CN CCB	-0.0002	0.004	2010-01-25 11.38		
bs1 1/22	0.0980	0.104	2010-01-25 11.38		

Laboratory inst#298
Konelab User

Date : 2010-01-25
Time : 13.46

Test CN
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Man.dilut
bs2 1/22	0.0385	0.044	2010-01-25 11.38		
1001268-01	0.0003	0.005	2010-01-25 11.38		
1001268-01ms	0.1007	0.107	2010-01-25 11.45		
1001268-01msd	0.0989	0.105	2010-01-25 11.45		
1001268-02	0.0002	0.005	2010-01-25 11.45		
1001268-03	-0.0002	0.004	2010-01-25 11.45		
1001268-04	-0.0002	0.004	2010-01-25 11.45		
1001243-01	0.0030	0.008	2010-01-25 11.45		
1001243-08	0.0032	0.008	2010-01-25 11.45		
CN CCV	0.1013	0.108	2010-01-25 11.45		
CN CCB	-0.0003	0.004	2010-01-25 11.45		
1001270-02	0.0076	0.012	2010-01-25 11.45		
1001270-03	0.0018	0.006	2010-01-25 11.45		
1001272-01	-0.0003	0.004	2010-01-25 11.49		
1001272-02	-0.0000	0.005	2010-01-25 11.49		
blk splp	-0.0002	0.004	2010-01-25 11.49		
1001277-04	-0.0005	0.004	2010-01-25 11.49		
CN CCV	0.1093	0.116	2010-01-25 11.52		
CN CCB	-0.0005	0.004	2010-01-25 11.52		
mbs2 1/22	0.0480	0.053	2010-01-25 12.04		
CN CCV	0.1068	0.113	2010-01-25 12.07		
CN CCB	-0.0004	0.004	2010-01-25 12.07		
CN CCV	0.1017	0.108	2010-01-25 12.38		
CN CCB	-0.0005	0.004	2010-01-25 12.38		
1/21 mbs1	0.0968	0.103	2010-01-25 12.38		
1/21 mbs2	0.0467	0.052	2010-01-25 12.38		
1/20 bs1	0.0970	0.103	2010-01-25 12.38		
1/20 bs2	0.0383	0.044	2010-01-25 12.38		
ms 1001277-06	0.0970	0.103	2010-01-25 12.38		
msd 1001277-06	0.0977	0.104	2010-01-25 12.38		
CN CCV	0.1015	0.108	2010-01-25 13.03		
CN CCB	-0.0004	0.004	2010-01-25 13.03		
mdl 1	0.0045	0.009	2010-01-25 13.03		
mdl 2	0.0043	0.009	2010-01-25 13.03		
mdl 3	0.0043	0.009	2010-01-25 13.03		
mdl 4	0.0041	0.009	2010-01-25 13.03		
mdl 5	0.0044	0.009	2010-01-25 13.03		
mdl 6	0.0042	0.009	2010-01-25 13.03		
mdl 7	0.0041	0.009	2010-01-25 13.03		
mdl verification	0.0043	0.009	2010-01-25 13.03		
mblk 1/25	-0.0008	0.004	2010-01-25 13.03		
CN CCV	0.1006	0.107	2010-01-25 13.11		
CN CCB	-0.0001	0.004	2010-01-25 13.11		
1001286-13	0.0055	0.010	2010-01-25 13.11		
1001286-13ms	0.1049	0.111	2010-01-25 13.11		
1001286-13msd	0.1091	0.116	2010-01-25 13.11		
1001286-14	0.0035	0.008	2010-01-25 13.11		
1001286-15	0.0271	0.032	2010-01-25 13.11		
1001286-16	0.0852	0.091	2010-01-25 13.11		
1001295-01	0.0369	0.042	2010-01-25 13.11		
1001295-02	0.0225	0.027	2010-01-25 13.16		

Laboratory inst#298
Konelab User

Date : 2010-01-25
Time : 13.46

Test CN
Unit mg/l

Sample ID:	Result	Resp.	Date and Time	Dilut	Man.dilut
1001295-03	0.0110	0.016	2010-01-25 13.16		
CN CCV	0.1037	0.110	2010-01-25 13.16		
CN CCB	-0.0001	0.004	2010-01-25 13.16		
1001286-07	-0.0153	-0.011	2010-01-25 13.16		
1001286-07ms	0.0928	0.099	2010-01-25 13.16		
1001286-07msd	0.0900	0.096	2010-01-25 13.16		
mbs1 1/25	0.0988	0.105	2010-01-25 13.25		
1/25 mbs2	0.0508	0.056	2010-01-25 13.40		
CN CCV	0.0998	0.106	2010-01-25 13.43		
CN CCB	-0.0003	0.004	2010-01-25 13.43		